Appendix A

Initial Study, Notice of Preparation, and Scoping Comments

NOTICE OF PREPARATION
of a Draft Environmental Impact Report and
Notice of Public Scoping Meeting

Project: Palisade Santee Commerce Center

Project Case Files: Environmental Impact Report AEIS2023-3; Conditional Use Permit P2023-1; Development Review Permit DR2023-2

Project Proponent: North Palisade Opco, LLC

Project Location: 10990 N. Woodside Avenue, Santee CA (APN 381-070-52)

Environmental Impact Report: The City of Santee (City) is preparing an Environmental Impact Report (EIR) for the Palisade Santee Commerce Center (proposed project) located on a 13.5-acre site in the Light Industrial (IL) zone. The City will be the lead agency under the California Environmental Quality Act (CEQA) for the project. This Notice of Preparation (NOP) describes the Palisade Santee Commerce Center that will be analyzed in the EIR and identifies areas of probable environmental effects of the proposed project.

As specified in the CEQA Guidelines, the NOP will be circulated for a 30-day scoping period. Agencies, organizations, and interested members of the public are invited to provide input on the scope of the environmental analysis. If you are a responsible or trustee agency, the views of your agency are requested as to the scope and content of the environmental information which is germane to your agency's statutory responsibilities in connection with the proposed project. In the event that no response or well justified request for additional time is received by any responsible agency or trustee agency by the end of the review period, we presume that these agencies have no response. Comments may be submitted in writing during the review period and addressed to:

Michael Coyne, Principal Planner
Planning & Building Department
10601 Magnolia Avenue
Santee, CA 92071
mcoyne@cityofsanteeca.gov
(619) 258-4100 ext. 160

The NOP comment period begins on **September 8, 2023,** and closes at **5:00 p.m. on October 9, 2023**. All comments concerning the scope of the EIR must be submitted in writing to Michael Coyne, Principal Planner, prior to the close of the public comment period as noted above. Please indicate a contact person in your comment. The City will consider all written comments received during the noticed public scoping period in the preparation of the EIR.

Public Scoping Meeting: The City will hold a scoping meeting to provide an opportunity for agency staff and interested members of the public to submit comments, either written or verbal, on the scope of the environmental issues to be addressed in the EIR. The public scoping meeting will be held on September 26, 2023 at City Hall, 10601 Magnolia Avenue, Santee, CA 92071 in the Council Chambers, from 5:30 PM to 7:00 PM. All parties are welcome to attend and are encouraged to recommend environmental issues, mitigation measures, and alternatives to the project that they believe should be addressed in the Draft EIR.

Proposed Project Location and Adjacent Land Uses: The Palisade Santee Commerce Center project site consists of approximately 13.5 acres of land located in the southwestern portion of the City of Santee (City) in eastern San Diego County. The project site is located at 10990 N. Woodside Avenue and is bound by the San Diego River to the north; industrial buildings to the east and west; and by industrial buildings, Wheatlands Avenue, and California State Route (SR) 67 to the south. Regional access to the project site is provided via SR 67 located approximately 0.1 mile south of the project site and local access to the site is provided via N. Woodside Avenue.

Project Description: The project site is currently developed with a two-screen, drive-in theatre and a building containing restrooms, concession facilities, and a projection house, which collectively are in the process of ceasing operations. The project consists of redevelopment of the project site as a commerce center with an approximately 300,145 square foot (gross area, inclusive of mezzanines and 10,000 sf of office space) one-story industrial building. The building would be up to 50 feet in height and would accommodate warehousing and distribution, manufacturing, assembly, and/or research and development operations, and related office uses. In addition to the industrial building, the project would include up to 42 dock-high doors, four grade-level doors, two truck courts, and up to 301 passenger-vehicle parking spaces, 30- and 40-foot-wide fire access lanes along the building perimeter, landscaping, and fencing along portions of the developed perimeter with automated gates at certain driveway locations. The project would also include associated utility, stormwater treatment, and roadway improvements. The project is consistent with the site's existing land use designation (IL-Light Industrial) and zoning (Light Industrial-IL).

Requested Entitlements: The proposed project requires a Development Review Permit. A Conditional Use Permit (CUP) is being requested to increase the allowable building height from 40 feet to 50 feet.

Project Alternatives: The Draft EIR will evaluate a reasonable range of project alternatives, including the required No Project Alternative.

Potential Environmental Effect Areas: The Draft EIR will describe the reasonably foreseeable and potentially significant adverse effects of the proposed project (both direct and indirect). The Draft EIR will also evaluate the cumulative impacts of the project when considered in conjunction with other related past, present, and reasonably foreseeable

future projects. The EIR will evaluate, at a minimum, the following environmental topic areas and mitigation measures would be identified as necessary to reduce potentially significant effects:

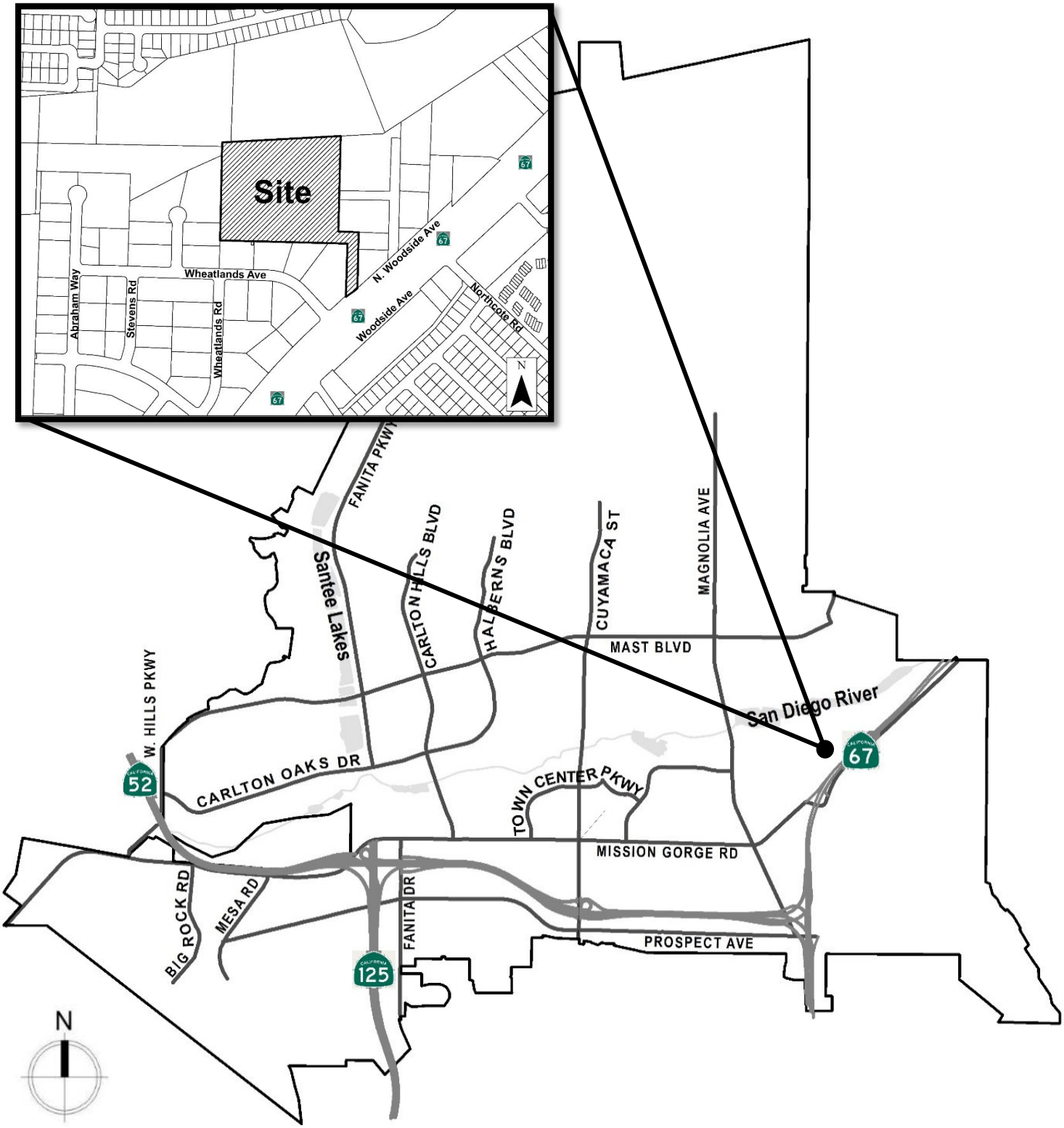
- Aesthetics/Visual
- Air Quality
- Biological Resources
- Cultural, Tribal Cultural and Paleontological Resources
- Energy
- Greenhouse Gas Emissions
- Growth Inducement
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise
- Public Services
- Transportation
- Utilities and Service Systems
- Wildfire

Based on the existing conditions present at the proposed project site and a review of the proposed project, it has been determined that effects related to Agriculture and Forestry Resources, Geology and Soils, Mineral Resources, Population and Housing, and Recreation would not be significant. Therefore, these issues would be summarized in the *Effects Found Not to Be Significant* section of the EIR.

As environmental documentation for this project is completed, it will be available for review at the City's Planning & Building Department located in Building 4 at Santee City Hall, 10601 Magnolia Avenue, Santee CA 92071, and online at:

https://www.cityofsanteeca.gov/services/project-environmental-review

Site Location Map



NOTICE OF PREPARATION

TO:	State Clearinghouse P.O. Box 3044 Sacramento, CA 95812-3044	FROM:	City of Santee 10601 Magnolia Avenue Santee, CA 92071

SUBJECT: Notice of Preparation of a Draft Environmental Impact Report

The City of Santee will be the Lead Agency and will prepare an environmental impact report for the project identified below. We need to know the views of your agency as to the scope and content of the environmental information which is germane to your agency's statutory responsibilities in connection with the proposed project. Your agency will need to use the EIR prepared by our agency when considering your permit or other approval for the project.

The Project description, location, and the potential environmental effects are contained in the attached materials.

☐	A copy of the Initial Study IS attached.
☒	A copy of the Initial Study IS NOT attached.
☒	The proposed project IS considered a project of statewide, regional or areawide significance.
☐	The proposed project IS NOT considered a project of statewide, regional or areawide significance.
☐	The proposed project WILL affect highways or other facilities under the jurisdiction of the State Department of Transportation.
☒	The proposed project WILL NOT affect highways or other facilities under the jurisdiction of the State Department of Transportation.
☒	A scoping meeting WILL be held by the Lead Agency.
☐	A scoping meeting WILL NOT be held by the Lead Agency.

If the project meets the criteria requiring the scoping meeting, or if the agency voluntarily elects to hold such a meeting, the date, time and location of the scoping meeting are as follows:

Date: 09/26/2023	Time: 5:30pm-7:00pm	Location: Santee City Hall Council Chambers, 10601 Magnolia Ave. Santee, CA 92071

Due to the time limits mandated by State law, your response must be sent at the earliest possible date, but not later than 30 days after receipt of this notice.

Please send your response to Michael Coyne, Principal Planner via email at mcoyne@cityofsanteeca.gov or to the following address: City of Santee, 10601 Magnolia Avenue, Santee, CA 92071. We will need the name of a contact person in your agency.

Project Title:	Palisade Santee Commerce Center
Project Location – Specific: Identify street address and cross street or attach a map showing project site (preferably a U.S.G.S. 15' or 7 ½' topographical map identified by quadrangle name):	10990 N. Woodside Avenue Nearest cross street is Wheatlands Avenue
Project Description:	The project site is currently developed with a two-screen, drive-in theatre and a building containing restrooms, concession facilities, and a projection house, which collectively are in the process of ceasing operations. The project consists of redevelopment of the 13.5-acre project site as a commerce center with an approximately 300,145 square foot (gross area, inclusive of mezzanines and 10,000 sf of office space), one-story industrial building. The building would be up to 50 feet in height and would accommodate warehousing and distribution, manufacturing, assembly, and/or research and development operations, and related office uses. In addition to the industrial building, the project would include up to 42 dock-high doors, four grade-level doors, two truck courts, and up to 301 passenger-vehicle parking spaces, 30- and 40-foot-wide fire access lanes along the building perimeter, landscaping, and fencing along portions of the developed perimeter with automated gates at certain driveway locations. The project would also include associated utility, stormwater treatment, and roadway improvements. The project is consistent with the site's existing land use designation (IL-Light Industrial) and zoning (Light Industrial-IL). The CUP is proposed to increase the allowable building height from 40 feet to 50 feet.
Project Applicant (if any):	North Palisade Opco, LLC
California Environmental Protection Agency Hazardous Waste List (if applicable):	None

Date: September 8, 2023	Signature:	M. Coyne
	Name:	Michael Coyne, AICP
	Title:	Principal Planner
	Telephone:	(619) 258-4100 ext. 160

Consulting firm retained to prepare draft EIR (if applicable):

Name:	Dudek
Address:	2280 Historic Decatur Road
City/State/Zip:	San Diego, CA 92106
Contact Person:	Kristen Stoner, Project Manager

Reference: California Code of Regulations, Title 14, (CEQA Guidelines) Sections 15082(a), 15103, 15375.

Questions EIR Scoping Meeting – Palisade Santee Commerce Development

September 26, 2023

Operations

Will there be cars and parking on the north, northwest and northeast side of the building? What is the buffer of this parking /circulation to the State's SD River Conservancy property/reserve?

Will there be loading docks on the north, northwest, and northeast side of the building?

What will the anticipated hours of operation for the project site?

Will this be a M-F operation?

What noise studies is anticipated due to the noise that will be generated?

What are the boundaries /buffers of the development footprint as it relates to the river?

Are there any known bird nesting sites in the area?

What visual screening will be done for the building on the North (river) side? e.g., height of landscaping/trees that will be used.

The request for CUP due to increased height - Is this increase for all the buildings within the footprint or only specific areas of the development?

The Santee Noise Ordinance is not changing, correct?

How many project alternatives other than no project will be studied?

During Construction

What are the hours of operations. Will there be a need to stop due to bird's nesting season?

Will construction be allowed to work on weekends?

What are the mitigation measures planned for habitat during construction?

- Stacey LoMedico

LOZEAU DRURY LLP
T 510.836.4200
F 510.836.4205
1939 Harrison Street, Ste. 150
Oakland, CA 94612
www.lozeaudrury.com
rebecca@lozeaudrury.com

Via Email

September 27, 2023

Michael Coyne, Planner
Planning & Building Department
City of Santee
10601 Magnolia Ave.
Santee, CA 92071
mcoyne@cityofsanteeca.gov

Sandi Sawa, Director
Planning & Building Department
City of Santee
10601 Magnolia Ave.
Santee, CA 92071
ssawa@cityofsanteeca.gov

Annette Fagan Ortiz, City Clerk
City Clerk's Office
City of Santee
10601 Magnolia Ave.
Santee, CA 92071
clerk@cityofsanteeca.gov

Re: CEQA and Land Use Notice Request for Palisade Santee Commerce Center (Environmental Impact Report AEIS2023-3; Conditional Use Permit P2023-1; Development Review Permit DR2023-2)

Dear Mr. Coyne. Ms. Sawa, and Ms. Fagan Ortiz:

I am writing on behalf of Supporters Alliance for Environmental Responsibility ("SAFER") regarding the Palisade Santee Commerce Center (Environmental Impact Report AEIS2023-3; Conditional Use Permit P2023-1; Development Review Permit DR2023-2), including all actions related or referring to the proposed construction of a 300,145 square foot one-story industrial building., located at 10990 N. Woodside Avenue (APN 381-070-52) in the City of Santee ("Project").

We hereby request that the City of Santee ("City") send by electronic mail, if possible or U.S. mail to our firm at the address below notice of any and all actions or hearings related to activities undertaken, authorized, approved, permitted, licensed, or certified by the City and any of its subdivisions, and/or supported, in whole or in part, through contracts, grants, subsidies, loans or other forms of assistance from the City, including, but not limited to the following:

- Notice of any public hearing in connection with the Project as required by California Planning and Zoning Law pursuant to Government Code Section 65091.
- Any and all notices prepared for the Project pursuant to the California Environmental Quality Act ("CEQA"), including, but not limited to:
  - Notices of any public hearing held pursuant to CEQA.
  - Notices of determination that an Environmental Impact Report ("EIR") is required for the Project, prepared pursuant to Public Resources Code Section 21080.4.

- Notices of any scoping meeting held pursuant to Public Resources Code Section 21083.9.
- Notices of preparation of an EIR or a negative declaration for the Project, prepared pursuant to Public Resources Code Section 21092.
- Notices of availability of an EIR or a negative declaration for the Project, prepared pursuant to Public Resources Code Section 21152 and Section 15087 of Title 14 of the California Code of Regulations.
- Notices of approval and/or determination to carry out the Project, prepared pursuant to Public Resources Code Section 21152 or any other provision of law.
- Notices of any addenda prepared to a previously certified or approved EIR.
- Notices of approval or certification of any EIR or negative declaration, prepared pursuant to Public Resources Code Section 21152 or any other provision of law.
- Notices of determination that the Project is exempt from CEQA, prepared pursuant to Public Resources Code section 21152 or any other provision of law.
- Notice of any Final EIR prepared pursuant to CEQA.
- Notice of determination, prepared pursuant to Public Resources Code Section 21108 or Section 21152.

Please note that we are requesting notices of CEQA actions and notices of any public hearings to be held under any provision of Title 7 of the California Government Code governing California Planning and Zoning Law. **This request is filed pursuant to Public Resources Code Sections 21092.2 and 21167(f), and Government Code Section 65092**, which require local counties to mail such notices to any person who has filed a written request for them with the clerk of the agency's governing body.

Please send notice by electronic mail or U.S. Mail to:

Rebecca Davis
Madeline Dawson
Layne Fajeau
Lozeau Drury LLP
1939 Harrison Street, Suite 150
Oakland, CA 94612
rebecca@lozeaudrury.com
madeline@lozeaudrury.com
layne@lozeaudrury.com

Please call if you have any questions. Thank you for your attention to this matter.

Sincerely,

Layne Fajeau
Lozeau | Drury LLP

California Department of Transportation

DISTRICT 11
4050 TAYLOR STREET, MS-240
SAN DIEGO, CA 92110
(619) 709-5152 | FAX (619) 688-4299 TTY 711
www.dot.ca.gov

GOVERNOR'S OFFICE OF PLANNING AND RESEARCH
Sep 18 2023
STATE OF CALIFORNIA

September 18, 2023

11-SD-67
PM 3.054
Palisade Santee Commerce Center
NOP/SCH# 2023090144

Mr. Michael Coyne
Principal Planner
City of Santee
10601 Magnolia Avenue
Santee, CA 92071

Dear Mr. Coyne:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the Notice of Preparation of a Draft EIR (NOP) for the Palisade Santee Commerce Center located near State Route 67 (SR-67). The mission of Caltrans is to provide a safe and reliable transportation network that serves all people and respects the environment. The Local Development Review (LDR) Program reviews land use projects and plans to ensure consistency with our mission and state planning priorities.

Safety is one of Caltrans' strategic goals. Caltrans strives to make the year 2050 the first year without a single death or serious injury on California's roads. We are striving for more equitable outcomes for the transportation network's diverse users. To achieve these ambitious goals, we will pursue meaningful collaboration with our partners. We encourage the implementation of new technologies, innovations, and best practices that will enhance the safety on the transportation network. These pursuits are both ambitious and urgent, and their accomplishment involves a focused departure from the status quo as we continue to institutionalize safety in all our work.

Caltrans is committed to prioritizing projects that are equitable and provide meaningful benefits to historically underserved communities, to ultimately improve transportation accessibility and quality of life for people in the communities we serve.

We look forward to working with the City of Santee in areas where the City of Santee and Caltrans have joint jurisdiction to improve the transportation network and connections between various modes of travel, with the goal of improving the experience of those who use the transportation system.

Caltrans has the following comments:

Traffic Impact Study
A Vehicle Miles of Travel (VMT) based Traffic Impact Study (TIS) should be provided for this project. Please use the Governor's Office of Planning and Research Guidance to identify VMT related impacts.[1]

The TIS may also need to identify the proposed project's near-term and long-term safety or operational issues, on or adjacent any existing or proposed State facilities.

Hydrology and Drainage Studies
On all plans, show Caltrans' Right of Way (R/W). Caltrans generally does not allow development projects to impact hydraulics within the State's R/W. Any modification to the existing Caltrans drainage and/or increase in runoff to State facilities will not be allowed. Early coordination with Caltrans is recommended.

Complete Streets and Mobility Network
Caltrans views all transportation improvements as opportunities to improve safety, access and mobility for all travelers in California and recognizes bicycle, pedestrian and transit modes as integral elements of the transportation network. Caltrans supports improved transit accommodation through the provision of Park and Ride facilities, improved bicycle and pedestrian access and safety improvements, signal prioritization for transit, bus on shoulders, ramp improvements, or other enhancements that promotes a complete and integrated transportation network. Early coordination with Caltrans, in locations that may affect both Caltrans and the City of Santee, is encouraged.

To reduce greenhouse gas emissions and achieve California's Climate Change target, Caltrans is implementing Complete Streets and Climate Change policies into State Highway Operations and Protection Program (SHOPP) projects to meet multi-modal mobility needs. Caltrans looks forward to working with the City of Santee to evaluate potential Complete Streets projects.

[1] California Governor's Office of Planning and Research (OPR) 2018. "Technical Advisory on Evaluating Transportation Impacts in CEQA." https://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf

Bicycle, pedestrian, and public transit access during construction is important. Mitigation to maintain bicycle, pedestrian, and public transit access during construction is in accordance with Caltrans' goals and policies.

Land Use and Smart Growth
Caltrans recognizes there is a strong link between transportation and land use. Development can have a significant impact on traffic and congestion on State transportation facilities. In particular, the pattern of land use can affect both local vehicle miles traveled and the number of trips. Caltrans supports collaboration with local agencies to work towards a safe, functional, interconnected, multi-modal transportation network integrated through applicable "smart growth" type land use planning and policies.

The City of Santee should continue to coordinate with Caltrans to implement necessary improvements at intersections and interchanges where the agencies have joint jurisdiction.

Hauling/Traffic Control Plan
The California Department of Transportation (Caltrans) has discretionary authority with respect to highways under its jurisdiction and may, upon application and if good cause appears, issue a special permit to operate or move a vehicle or combination of vehicles or special mobile equipment of a size or weight of vehicle or load exceeding the maximum limitations specified in the California Vehicle Code. The Caltrans Transportation Permits Issuance Branch is responsible for the issuance of these special transportation permits for oversize/overweight vehicles on the State Highway network. Additional information is provided online at:
http://www.dot.ca.gov/trafficops/permits/index.html.

A Traffic Control Plan is to be submitted to Caltrans District 11, including the interchanges at SR-67/North Woodside Avenue, at least 30 days prior to the start of any construction. Traffic shall not be unreasonably delayed. The plan shall also outline suggested detours to use during closures, including routes and signage.

Potential impacts to the highway facilities (SR-67) and traveling public from the detour, demolition and other construction activities should be discussed and addressed before work begins.

Noise
The applicant must be informed that in accordance with 23 Code of Federal Regulations (CFR) 772, the Department of Transportation (Caltrans) is not responsible for existing or future traffic noise impacts associated with the existing configuration of SR-67.

Glare
The proximity of the project site to SR-67 raises some concerns regarding potential glare that could pose a potential risk to motorists traveling on SR-67. The project's potential glare characteristics should be considered as part of the City of Santee Permit approval. Caltrans would want to ensure that all lighting, including reflected sunlight and reflected night lighting, within this project should be placed and/or shielded so as not to be hazardous to vehicles traveling on SR-67.

Environmental
Caltrans welcomes the opportunity to be a Responsible Agency under the California Environmental Quality Act (CEQA), as we have some discretionary authority of a portion of the project that is in Caltrans' R/W through the form of an encroachment permit process. We look forward to the coordination of our efforts to ensure that Caltrans can adopt the alternative and/or mitigation measure for our R/W. We would appreciate meeting with you to discuss the elements of the EIR that Caltrans will use for our subsequent environmental compliance.

An encroachment permit will be required for any work within the Caltrans' R/W prior to construction. As part of the encroachment permit process, the applicant must provide approved final environmental documents for this project, corresponding technical studies, and necessary regulatory and resource agency permits. Specifically, CEQA determination or exemption. The supporting documents must address all environmental impacts within the Caltrans' R/W and address any impacts from avoidance and/or mitigation measures.

We recommend that this project specifically identifies and assesses potential impacts caused by the project or impacts from mitigation efforts that occur within Caltrans' R/W that includes impacts to the natural environment, infrastructure including but not limited to highways, roadways, structures, intelligent transportation systems elements, on-ramps and off-ramps, and appurtenant features including but not limited to fencing, lighting, signage, drainage, guardrail, slopes and landscaping. Caltrans is interested in any additional mitigation measures identified for the project's draft Environmental Document.

Broadband
Caltrans recognizes that teleworking and remote learning lessen the impacts of traffic on our roadways and surrounding communities. This reduces the amount of VMT and decreases the amount of greenhouse gas (GHG) emissions and other pollutants. The availability of affordable and reliable, high-speed broadband is a key component in supporting travel demand management and reaching the state's transportation and climate action goals.

Mitigation
Caltrans endeavors that any direct and cumulative impacts to the State Highway network be eliminated or reduced to a level of insignificance pursuant to the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) standards.

Right-of-Way
Per Business and Profession Code 8771, perpetuation of survey monuments by a licensed land surveyor is required, if they are being destroyed by any construction.

Any work performed within Caltrans' R/W will require discretionary review and approval by Caltrans and an encroachment permit will be required for any work within the Caltrans' R/W prior to construction.

Additional information regarding encroachment permits may be obtained by contacting the Caltrans Permits Office at (619) 688-6158 or emailing D11.Permits@dot.ca.gov or by visiting the website at https://dot.ca.gov/programs/traffic-operations/ep. Early coordination with Caltrans is strongly advised for all encroachment permits.

If you have any questions or concerns, please contact Sandy Vazquez, LDR Coordinator, at (619) 987-3580 or by e-mail sent to Sandra.Vazquez@dot.ca.gov.

Sincerely,

Maurice A. Eaton

MAURICE EATON
Branch Chief
Local Development Review

NATIVE AMERICAN HERITAGE COMMISSION

Governor's Office of Planning & Research

September 11 2023

STATE CLEARINGHOUSE

September 9, 2023

Michael Coyne
City of Santee
10601 Magnolia Avenue
Santee, CA 92071

Re: 2023090144, Palisade Santee Commerce Center Project, San Diego County

Dear Mr. Coyne:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements**. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Sara Dutschke
Miwok

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Laurena Bolden
Serrano

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Vacant

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok, Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

a. A brief description of the project.

b. The lead agency contact information.

c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).

d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

a. Alternatives to the project**.**

b. Recommended mitigation measures**.**

c. Significant effects**.** (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

a. Type of environmental review necessary.

b. Significance of the tribal cultural resources.

c. Significance of the project's impacts on tribal cultural resources.

d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

a. Whether the proposed project has a significant impact on an identified tribal cultural resource.

b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:

a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.

b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.

a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.

b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.

c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Pricilla.Torres-Fuentes@nahc.ca.gov.

Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

cc: State Clearinghouse

Appendix B

Air Quality and Greenhouse Gas Emission Technical Report

Air Quality and Greenhouse Gas Emissions Technical Report

Palisade Santee Commerce Center Project

City of Santee, California

MARCH 2025

Prepared for:

NORTH PALISADES PARTNERS
130 Factory Place, Suite 105
Los Angeles, California 90013
Contact: William Jacobs, Senior Development Manager

Prepared by:

DUDEK

605 Third Street
Encinitas, California 92024

Printed on 30% post-consumer recycled material.

Table of Contents

SECTION **PAGE NO.**

Acronyms and Abbreviations v

Executive Summary vii

1 Introduction 1
- 1.1 Report Purpose and Scope 1
- 1.2 Project Location 1
- 1.3 Project Description 1
- 1.4 Project Design Features 1

2 Air Quality 5
- 2.1 Environmental Setting 5
  - 2.1.1 Climate and Topography 5
  - 2.1.2 San Diego Air Basin Climatology 5
  - 2.1.3 Sensitive Receptors 6
  - 2.1.4 Pollutants and Effects 6
- 2.2 Regulatory Setting 10
  - 2.2.1 Federal 10
  - 2.2.2 State 11
  - 2.2.3 Local 14
- 2.3 Regional and Local Air Quality 18
  - 2.3.1 SDAB Attainment Designation 18
  - 2.3.2 Air Quality Monitoring Data 19
- 2.4 Significance Criteria and Methodology 21
  - 2.4.1 Thresholds of Significance 21
  - 2.4.2 Approach and Methodology 23
- 2.5 Impact Analysis 30
  - 2.5.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan? 30
  - 2.5.2 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard? 31
  - 2.5.3 Would the Project expose sensitive receptors to substantial pollutant concentrations? 34
  - 2.5.4 Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? 39

3 Greenhouse Gas Emissions 41
3.1 Environmental Setting 41
3.1.1 Climate Change Overview 41
3.1.2 Greenhouse Gases and other Climate Forcing Substances 41
3.1.3 Global Warming Potential 43
3.1.4 Sources of Greenhouse Gas Emissions 44
3.1.5 Potential Effects of Climate Change 46
3.2 Regulatory Setting 50
3.2.1 Federal 50
3.2.2 State 52
3.2.3 Local 63
3.3 Significance Criteria and Methodology 63
3.3.1 Thresholds of Significance 63
3.3.2 Approach and Methodology 64
3.4 Impact Analysis 66
4 References 71

TABLES

1 Ambient Air Quality Standards 11
2 SDAB Attainment Designation 19
3 Local Ambient Air Quality Data 20
4 SDAPCD Air Quality Significance Thresholds 21
5 Construction Scenario Assumptions 23
6 AERMOD Principal Parameters 25
7 Operational Truck Trip Distance 27
8 Operational Health Risk Assessment American Meteorological Society/U.S. Environmental Protection Agency Regulatory Model Operational Principal Parameters 29
9 Estimated Maximum Daily Construction Criteria Air Pollutant Emissions 32
10 Estimated Maximum Daily Operational Criteria Air Pollutant Emissions 33
11 Construction Activity Health Risk Assessment Results - Unmitigated 37
12 Operational Health Risk Assessment Results - Unmitigated 37
13 Combined Construction and Operational Health Risk Assessment Results - Unmitigated 38
14 Six Top GHG Producer Countries 44
15 GHG Emissions Sources in California 45
16 San Diego County GHG Emissions by Sectors 45
17 City of Santee Community-Wide GHG Emissions by Sectors for 2013 46
18 Estimated Annual Construction GHG Emissions 67

19 Summary of Estimated Annual GHG Emissions 67
20 Sustainable Santee Action Plan Project Checklist 68

APPENDICES

A CalEEMod Outputs and Estimated Emissions
B Health Risk Assessment Output Files
C CAP Consistency Checklist

INTENTIONALLY LEFT BLANK

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AB	Assembly Bill
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CARB	California Air Resources Board
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CO	carbon monoxide
DPM	diesel particulate matter
EPA	U.S. Environmental Protection Agency
g/L	grams per liter
HAP	hazardous air pollutant
kWh	kilowatt-hour
LOS	level of service
NAAQS	National Ambient Air Quality Standards
NO	nitric oxide
NO_2	nitrogen dioxide
NO_x	oxides of nitrogen
O_3	ozone
$PM_{2.5}$	fine particulate matter
PM_{10}	coarse particulate matter
RAQS	Regional Air Quality Strategy
SANDAG	San Diego Association of Governments
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDG&E	San Diego Gas & Electric Company
SIP	state implementation plan
SO_2	sulfur dioxide
SO_x	sulfur oxides
TAC	toxic air contaminant
VOC	volatile organic compound

INTENTIONALLY LEFT BLANK

Executive Summary

The purpose of this technical report is to assess the potential air quality impacts associated with implementation of the Palisade Santee Commerce Center Project (Project). This assessment uses the significance thresholds in Appendix G of the California Environmental Quality Act Guidelines.

Project Overview

The Project site is located at 10990 N. Woodside Avenue, is bound by the San Diego River to the north, in the City of Santee, California in East County region of San Diego County on an approximate 13.66-acre site.

The proposed Project includes the demolition of all existing on-site structures (see Section 3.2, Environmental Setting) and the construction of a 300,145 square foot industrial/warehousing building. The Project would include 290,145 square feet of warehouse space and 10,000 square feet of office space, as well as associated improvements including loading docks, trailer stalls, passenger vehicle parking spaces, and street, sidewalk, and landscape improvements. This building is designed to be used primarily to support warehousing operations.

Project Design Features

The Project would implement construction and operational project design features (PDFs) intended to reduce emissions of criteria air pollutants and toxic air contaminants (TACs) and Greenhouse Gas (GHG) Emissions. The Project would implement **PDF-AQ-1through PDF-AQ-5 and PDF-GHG-1 through PDF-GHG-11**, as follow:

PDF-AQ-1: Prior to the start of construction activities and issuance of grading permits, the Project applicant, or its designee, shall ensure that all 75 horsepower or greater diesel-powered equipment are powered with California Air Resources Board (CARB)-certified Tier 4 Interim engines or better.

PDF-AQ-2: Require the cargo handling equipment utilized during facility operations after the completion of construction to include forklifts (forklifts and pallet jacks) and yard tractors operating with Tier 4 Interim engines or better.

PDF-AQ-3: During all grading and site preparation activities, the on-site construction superintendent shall ensure implementation of standard best management practices as required by the San Diego Air Pollution Control District (SDAPCD) Rules 50, 51, 52, 54, and 55, Fugitive Dust Control.

PDF-AQ-4: During all grading and site preparation activities, the on-site construction superintendent shall ensure implementation of applicable California Department of Resources Recycling and Recovery (CalRecycle) Sustainable (Green) Building Program Measures, as specified on the CalRecycle website.

PDF-AQ-5: The Project shall apply only coatings that meet the requirements of San Diego Air Pollution Control District's (SDAPCD) Rule 67.0.1, Architectural Coatings.

PDF-GHG-1: Per the Sustainable Santee Action Plan Checklist, the Project will include 450 kW of solar PV based on 3 kW per 2,000 SF of building area.

PDF-GHG-2: Per the Sustainable Santee Action Plan Checklist the Project will meet or exceed CALGreen Tier 2 Standards in effect at the time of the building permit application to the satisfaction of the Director of Director of Planning and Building. Documentation shall be provided to the City demonstrating that the Project meets this requirement prior to the issuance of the building permit.

PDF-GHG-3: Per the Sustainable Santee Action Plan Checklist the Project utilizes tree planting for shade and energy efficiency such as tree planting in parking lots and streetscapes. Landscaping will be installed in the passenger parking area and around portions of the buildings as well as site frontages, including trees, shrubs and cover. See Figure 3-9 of the Landscape Plan.

PDF-GHG-4: Per the Sustainable Santee Action Plan Checklist, roof structures will be designed to include "cool roofs" materials with a minimum aged reflectance and thermal emittance values equal to or greater than the current CALGreen Table A5.106.11.3, Tier 1.

PDF-GHG-5: Per the Sustainable Santee Action Plan Checklist, proposed Project streets will include sidewalks, crosswalks, and other infrastructure that promotes non-motorized transportation options. The Project will include street, sidewalk, and landscape improvements.

PDF-GHG-6: Per the Sustainable Santee Action Plan Checklist, electric vehicle chargers will be installed in all new commercial developments. The Project includes 16 EVCS (EV Capable Stall with EVSE).

PDF-GHG-7: Per the Sustainable Santee Action Plan Checklist, for new industrial and other Land Uses employing 200 or more employees, chargers shall be installed for 5 percent of the total parking spaces. The Project includes 301 total parking spaces (301 x 0.05 = 15 spaces). The Project includes 16 EVCS with EVSE.

PDF-GHG-8: Per the Sustainable Santee Action Plan Checklist, the Project will reduce waste at landfills. The Project will include storage areas for recyclables and green waste as well as food waste.

PDF-GHG-9: The Project shall utilize high-efficiency equipment and fixtures consistent with the current California Green Building Standards Code and Title 24 of the California Code of Regulations.

PDF-GHG-10: The Project shall comply with the Santee Water Efficient Landscape Ordinance. The ordinance promotes water conservation and efficiency by imposing various requirements related to evapotranspiration rates, irrigation efficiency, and plant factors.

PDF-GHG-11: The Project shall comply with Chapters 9.02 and 9.04 of the Santee Municipal Code that pertain to solid waste management and demolition and construction debris recycling.

Air Quality

The air quality impact analysis evaluated the potential for adverse impacts to air quality due to construction and operational emissions resulting from the Project. Impacts were evaluated for their significance based on the San Diego Air Pollution Control District (SDAPCD) mass daily criteria air pollutant thresholds of significance. Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards (criteria) for outdoor concentrations to protect public health. Criteria air pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), and lead. Pollutants that are evaluated include volatile organic compounds (VOCs) (also referred to as reactive organic gases), oxides of nitrogen (NO_x), CO, sulfur oxides (SO_x), PM_{10}, and $PM_{2.5}$. VOCs and NO_x are important because they are precursors to O_3.

Air Quality Plan Consistency

If a project proposes development that is greater than that anticipated in the local plan and the growth projections set by the San Diego Association of Governments (SANDAG), the project might be in conflict with the State Implementation Plan and Regional Air Quality Strategy, and therefore may contribute to a potentially significant cumulative impact on air quality. The Project was deemed to be consistent with the current air quality plan, because it is consistent with the current land use and zoning designation, and the anticipated growth associated with the Project does not exceed that projected by SANDAG. In addition, the Project would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations. Based on these considerations, impacts related to the Project's potential to conflict with or obstruct implementation of the applicable air quality plan would be less than significant.

Construction Criteria Air Pollutant Emissions

Construction of the Project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road haul trucks, vendor trucks, and worker vehicle trips). As demonstrated with the analysis within, the maximum daily construction emissions would not exceed the SDAPCD significance thresholds for VOCs, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$ during construction. Therefore, the Project construction would have a less than significant impact.

Operational Criteria Air Pollutant Emissions

The analysis herein assumed an operational year of 2025. Operation of the Project would generate operational criteria air pollutants from mobile sources (vehicles), cargo handling equipment, area sources (consumer product use, architectural coatings, and landscape maintenance equipment), and energy (natural gas) and routine maintenance of the fire-water pump engine. Maximum operational emissions would not exceed the SDAPCD operational significance thresholds for VOCs, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$. Therefore, the Project operation would have a less than significant impact.

Cumulative Impacts

The potential for a project to result in a cumulatively considerable impact, per the SDAPCD guidance and thresholds, is based on the project's potential to exceed the project-specific daily thresholds. Because maximum construction and operational emissions would not exceed the SDAPCD significance thresholds for VOCs, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$, the Project would not result in a cumulatively considerable increase in criteria air pollutants.

Exposure of Sensitive Receptors

As mentioned above, construction and operational activities would not generate emissions in excess of the SDAPCD site-specific mass daily thresholds; therefore, site-specific construction and operational impacts of the Project would be less than significant. A health risk assessment (HRA) was also conducted to determine the potential impacts of exposure to diesel particulate matter (DPM), which is a TAC, at existing proximate sensitive receptors in the Project vicinity from both construction and operation of the Project. The results of the HRA demonstrate that TAC exposure from diesel exhaust emissions would not result in cancer risk above the 10 in 1 million threshold, nor a Chronic Hazard Index greater than 1.0. Therefore, impacts to sensitive receptors would be less than significant.

The County's CO hotspot screening guidance (County of San Diego 2007) was followed to determine whether the Project would require a site-specific hotspot analysis. As presented in the Transportation Impact Study (Appendix I), with the exception of the Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection, all study area roadway segments and intersections would continue to operate at satisfactory levels of service (LOS D or better) under Near Term plus Project conditions. However, implementation of improvement measures, including measures required by the Sustainable Santee Action Plan Project Consistency Checklist, would result in the level of service of D or better for the Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection. Therefore, the Project would not generate traffic that would contribute to potential adverse traffic impacts that may result in the formation of CO hotspots and no hotspot analysis is required. Based on these considerations, the Project would not expose sensitive receptors to substantial CO concentrations; impacts based on CO exposure would be less than significant.

Other Emissions

Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application, which would disperse rapidly from the Project site and generally occur at magnitudes that would not affect substantial numbers of people. Impacts associated with odors during construction would be less than significant. The Project would be a warehouse development that would not include land uses with sources that have the potential to generate substantial odors, and impacts associated with odors during operation would be less than significant.

Greenhouse Gas Emissions

Global climate change is primarily considered a cumulative impact but must also be evaluated on a project-level under CEQA. A project contributes to this potential impact through its incremental emissions combined with the cumulative increase of all other sources of greenhouse gas (GHG) emissions. GHGs are gases that absorb infrared radiation in the atmosphere. Principal GHGs regulated under state and federal law and regulations include carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O). GHG emissions are measured in metric tons of CO_2 equivalent (MT CO_2e), which account for weighted global warming potential (GWP) factors for CH_4 and N_2O.

Project Impacts

Construction of the Project would result in GHG emissions primarily associated with the use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. The Project would generate operational GHG emissions from area sources (landscape maintenance), energy sources (electricity consumption and natural gas combustion), mobile sources (vehicle trips), cargo handling equipment, routine maintenance of the emergency fire-water pump engine, water supply and wastewater treatment, and solid waste. Estimated annual Project-generated operational emissions in 2025, plus amortized Project construction emissions would be approximately 4,402 MT CO_2e per year. As discussed in Section 3.4 of this report, the Project operational emissions in 2025 plus amortized Project construction emissions are provided for informational uses only.

As discussed above in Section 3.2.3, the Sustainable Santee Action Plan Project Consistency Checklist (Checklist) is intended to be a tool for development projects to demonstrate consistency with Santee's (City's) Sustainable Santee Action Plan, which is a qualified greenhouse gas (GHG) emissions reduction plan in accordance with California Environmental Quality Act (CEQA) Guidelines Section 15183.5. This Checklist has been developed as part of the Sustainable Santee Action Plan implementation and monitoring process and will support the achievement of individual GHG reduction measures as well as the City's overall GHG reduction goals. As shown in Table 20, the Project is consistent with the Sustainable Santee Action Plan Checklist adopted by the City to ensure that the emission targets identified in the Sustainable Santee Action Plan are achieved. The Sustainable Santee Action Plan determined that a project consistent with the Checklist would not generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment Therefore, the Project would not generate GHG emissions that may have a significant impact on the environment; impacts would be less than significant.

INTENTIONALLY LEFT BLANK

1 Introduction

1.1 Report Purpose and Scope

The purpose of this technical report is to assess the potential air quality and greenhouse gas (GHG) emissions impacts associated with construction and operation of the Palisade Santee Commerce Center Project (Project). This analysis uses the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.) and the emissions-based significance thresholds recommended by the San Diego Air Pollution Control District (SDAPCD) and other applicable thresholds of significance.

1.2 Project Location

The Project site is located at 10990 N. Woodside Avenue, is bound by the San Diego River to the north, in the City of Santee, California in East County region of San Diego County on an approximate 13.66-acre site.

The City's General Plan designates the Project site for Light Industrial uses and the site is zoned for Light Industrial, per the City's Zoning Code. The proposed Project would be consistent with Chapter 13.14 of the City's Municipal Code, which states that allowed industrial and related uses include warehousing/distribution, assembly and light manufacturing, repair facilities, and business parks, including corporate offices (City of Santee 2017; City of Santee 2020). This zoning is consistent with the Light Industrial land use designation of the General Plan (City of Santee 2017; City of Santee 2020).

1.3 Project Description

The proposed Project includes the demolition of all existing on-site structures (see Section 3.2, Environmental Setting) and the construction of a 300,145 gross square foot industrial/warehousing building. The Project would include 290,145 square feet of warehouse space and 10,000 square feet of office space, as well as associated improvements including loading docks, trailer stalls, passenger vehicle parking spaces, and street, sidewalk, and landscape improvements. This building is designed to be used primarily to support warehousing operations.

Loading docks would be provided on the north and south sides of the proposed building with a total of 42 truck terminals. Access to the Project site would be maintained and improved as necessary with existing access points from Woodside Avenue. Development of the Project would include associated landscaping, stormwater features and 301 parking spaces for employee/visitor parking.

1.4 Project Design Features

The Project would implement both construction-related and operational project design features (PDFs) intended to reduce emissions of criteria air pollutants, toxic air contaminants (TACs), and Greenhouse Gas (GHG) Emissions.

The Project would implement the following Project Design Features (PDFs).

PDF-AQ-1: Prior to the start of construction activities and issuance of grading permits, the Project applicant, or its designee, shall ensure that all 75 horsepower or greater diesel-powered

equipment are powered with California Air Resources Board (CARB)-certified Tier 4 Interim engines or better.

PDF-AQ-2: Require the cargo handling equipment utilized during facility operations after the completion of construction to include forklifts (forklifts and pallet jacks) and yard tractors operating with Tier 4 Interim engines or better.

PDF-AQ-3: During all grading and site preparation activities, the on-site construction superintendent shall ensure implementation of standard best management practices as required by the San Diego Air Pollution Control District (SDAPCD) Rules 50, 51, 52, 54, and 55, Fugitive Dust Control.

PDF-AQ-4: During all grading and site preparation activities, the on-site construction superintendent shall ensure implementation of applicable California Department of Resources Recycling and Recovery (CalRecycle) Sustainable (Green) Building Program Measures, as specified on the CalRecycle website.

PDF-AQ-5: The Project shall apply only coatings that meet the requirements of San Diego Air Pollution Control District's (SDAPCD) Rule 67.0.1, Architectural Coatings.

PDF-GHG-1: Per the Sustainable Santee Action Plan Checklist, the Project will include 450 kW of solar PV based on 3 kW per 2,000 SF of building area.

PDF-GHG-2: Per the Sustainable Santee Action Plan Checklist the Project will meet or exceed CALGreen Tier 2 Standards in effect at the time of the building permit application. Documentation shall be provided to the City demonstrating that the Project meets this requirement prior to the issuance of the building permit.

PDF-GHG-3: Per the Sustainable Santee Action Plan Checklist, the Project utilizes tree planting for shade and energy efficiency such as tree planting in parking lots and streetscapes. Landscaping will be installed in the passenger parking area and around portions of the buildings as well as site frontages, including trees, shrubs and cover. See Figure 3-9 of the Landscape Plan.

PDF-GHG-4: Per the Sustainable Santee Action Plan Checklist, roof structures will be designed to include "cool roofs" materials with a minimum aged reflectance and thermal emittance values equal to or greater than the current CALGreen Table A5.106.11.3, Tier 1.

PDF-GHG-5: Per the Sustainable Santee Action Plan Checklist, proposed Project streets will include sidewalks, crosswalks, and other infrastructure that promotes non-motorized transportation options. The Project will include street, sidewalk, and landscape improvements.

PDF-GHG-6: Per the Sustainable Santee Action Plan Checklist, electric vehicle chargers will be installed in all new commercial developments. The Project includes 16 EVCS (EV Capable Stall with EVSE).

PDF-GHG-7: Per the Sustainable Santee Action Plan Checklist, for new industrial and other Land Uses employing 200 or more employees, chargers shall be installed for 5 percent of the total parking spaces**.** The Project includes 301 total parking spaces (301 x 0.05 = 15 spaces). The Project includes 16 EVCS with EVSE.

PDF-GHG-8: Per the Sustainable Santee Action Plan Checklist, the Project will reduce waste at landfills. The Project will include storage areas for recyclables and green waste as well as food waste.

PDF-GHG-9: The Project shall utilize high-efficiency equipment and fixtures consistent with the current California Green Building Standards Code and Title 24 of the California Code of Regulations.

PDF-GHG-10: The Project shall comply with the Santee Water Efficient Landscape Ordinance. The ordinance promotes water conservation and efficiency by imposing various requirements related to evapotranspiration rates, irrigation efficiency, and plant factors.

PDF-GHG-11: The Project shall comply with Chapters 9.02 and 9.04 of the Santee Municipal Code that pertain to solid waste management and demolition and construction debris recycling.

INTENTIONALLY LEFT BLANK

2 Air Quality

2.1 Environmental Setting

2.1.1 Climate and Topography

The weather of the San Diego region, as in most of Southern California, is influenced by the Pacific Ocean and its semi-permanent high-pressure systems that result in dry, warm summers and mild, occasionally wet winters. The average temperature ranges (in degrees Fahrenheit) from the mid-40s to the high 90s. Most of the region's precipitation falls from November to April, with infrequent (approximately 10%) precipitation during the summer. The average seasonal precipitation along the coast is approximately 10 inches; the amount increases with elevation as moist air is lifted over the mountains (WRCC 2016). This usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds.

The topography in the San Diego region varies greatly, from beaches on the west to mountains and desert on the east; along with local meteorology, it influences the dispersal and movement of pollutants in the basin. The mountains to the east prohibit dispersal of pollutants in that direction and help trap them in inversion layers.

The interaction of ocean, land, and the Pacific High Pressure Zone maintains clear skies for much of the year and influences the direction of prevailing winds (westerly to northwesterly). Local terrain is often the dominant factor inland, and winds in inland mountainous areas tend to blow through the valleys during the day and down the hills and valleys at night.

2.1.2 San Diego Air Basin Climatology

The Project area is located within the San Diego Air Basin (SDAB) and is subject to the SDAPCD guidelines and regulations. The SDAB is one of 15 air basins that geographically divide the State of California. The SDAB is currently classified as a federal nonattainment area for ozone (O_3) and a state nonattainment area for particulate matter less than 10 microns (PM_{10}), particulate matter less than 2.5 microns ($PM_{2.5}$), and O_3.

The SDAB experiences frequent temperature inversions. Subsidence inversions occur during the warmer months as descending air associated with the Pacific High Pressure Zone meets cool marine air. The boundary between the two layers of air creates a temperature inversion that traps pollutants. The other type of inversion, a radiation inversion, develops on winter nights when air near the ground cools by heat radiation and air aloft remains warm. The shallow inversion layer formed between these two air masses also can trap pollutants. As the pollutants become more concentrated in the atmosphere, photochemical reactions occur that produce O_3, which contributes to the formation of smog. Smog is a combination of smoke and other particulates, O_3, hydrocarbons, oxides of nitrogen (NO_x) and other chemically reactive compounds which, under certain conditions of weather and sunlight, may result in a murky brown haze that causes adverse health effects (CARB 2022a).

Light daytime winds, predominantly from the west, further aggravate the condition by driving air pollutants inland, toward the mountains. During the fall and winter, air quality problems are created due to carbon monoxide (CO) and NO_x emissions. CO concentrations are generally higher in the morning and late evening. In the morning, CO levels are elevated due to cold temperatures and the large number of motor vehicles traveling. Higher CO levels during the late evenings are a result of stagnant atmospheric conditions trapping CO in the area. Since CO is

produced almost entirely from automobiles, the highest CO concentrations in the SDAB are associated with heavy traffic. Nitrogen dioxide (NO_2) levels are also generally higher during fall and winter days.

Under certain conditions, atmospheric oscillation results in the offshore transport of air from the Los Angeles region to San Diego County. This often produces high O_3 concentrations, as measured at air pollutant monitoring stations within San Diego County. The transport of air pollutants from Los Angeles to San Diego has also occurred within the stable layer of the elevated subsidence inversion, where high levels of O_3 are transported.

2.1.3 Sensitive Receptors

Air quality varies as a direct function of the quantity of pollutants emitted into the atmosphere, the size and topography of the air basin, and the prevailing meteorological conditions. Air quality problems arise when the rate of pollutant emissions exceeds the rate of dispersion.

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution, as identified by the California Air Resources Board (CARB), include children, older adults, and people with cardiovascular and chronic respiratory diseases. According to the SDAPCD, sensitive receptors are those who are especially susceptible to adverse health effects from exposure to toxic air contaminants, such as children, the elderly, and the ill. Sensitive receptors include residences, schools (grades Kindergarten through 12), libraries, day care centers, nursing homes, retirement homes, health clinics, and hospitals within 2 kilometers of the facility (SDAPCD 2022a). The closest sensitive receptors to the Project site are single-family residences to the north of the site and north of the San Diego River and single and multifamily residential units south of the Project site and south of Highway 67.

2.1.4 Pollutants and Effects

Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. The federal and state standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort. Pollutants of concern include O_3, NO_2, CO, sulfur dioxide (SO_2), PM_{10}, $PM_{2.5}$, and lead. These pollutants are discussed in the following paragraphs.[1] In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants.

Ozone (O_3). O_3 is a strong-smelling, pale blue, reactive, toxic chemical gas consisting of three oxygen atoms. It is a secondary pollutant formed in the atmosphere by a photochemical process involving the sun's energy and O_3 precursors. These precursors are mainly NO_x and VOCs. The maximum effects of precursor emissions on O_3 concentrations usually occur several hours after they are emitted and many miles from the source. Meteorology and terrain play major roles in O_3 formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. O_3 exists in the upper atmosphere

[1] The following descriptions of health effects for each of the criteria air pollutants associated with project construction and operations are based on the U.S. Environmental Protection Agency's "Six Common Air Pollutants" (EPA 2017a) and the California Air Resources Board's "Glossary of Air Pollutant Terms" (CARB 2017) published information.

O_3 layer (stratospheric O_3) and at the Earth's surface in the troposphere.[2] The O_3 that the U.S. Environmental Protection Agency (EPA) and the CARB regulate as a criteria air pollutant is produced close to the ground level, where people live, exercise, and breathe. Ground-level O_3 is a harmful air pollutant that causes numerous adverse health effects and is thus considered "bad" O_3. Stratospheric, or "good," O_3 occurs naturally in the upper atmosphere, where it reduces the amount of ultraviolet light (i.e., solar radiation) entering the Earth's atmosphere. Without the protection of the beneficial stratospheric O_3 layer, plant and animal life would be seriously harmed.

O_3 in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes (EPA 2013). These health problems are particularly acute in sensitive receptors such as the sick, the elderly, and young children.

Nitrogen Dioxide (NO_2). NO_2 is a brownish, highly reactive gas that is present in all urban atmospheres. The major mechanism for the formation of NO_2 in the atmosphere is the oxidation of the primary air pollutant nitric oxide (NO), which is a colorless, odorless gas. NO_x plays a major role, together with VOCs, in the atmospheric reactions that produce O_3. NO_x is formed from fuel combustion under high temperature or pressure. In addition, NO_x is an important precursor to acid rain and may affect both terrestrial and aquatic ecosystems. The two major emissions sources are transportation and stationary fuel combustion sources such as electric utility and industrial boilers.

NO_2 can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections (EPA 2016a).

Carbon Monoxide (CO). CO is a colorless, odorless gas formed by the incomplete combustion of hydrocarbon, or fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, such as the Project location, automobile exhaust accounts for the majority of CO emissions. CO is a non-reactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions—primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, which is a typical situation at dusk in urban areas from November to February. The highest levels of CO typically occur during the colder months of the year, when inversion conditions are more frequent.

In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions.

Sulfur Dioxide (SO_2). SO_2 is a colorless, pungent gas formed primarily from incomplete combustion of sulfur-containing fossil fuels. The main sources of SO_2 are coal and oil used in power plants and industries; as such, the highest levels of SO_2 are generally found near large industrial complexes. In recent years, SO_2 concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO_2 and limits on the sulfur content of fuels.

[2] The troposphere is the layer of the Earth's atmosphere nearest to the surface of the Earth. The troposphere extends outward about 5 miles at the poles and about 10 miles at the equator.

SO_2 is an irritant gas that attacks the throat and lungs and can cause acute respiratory symptoms and diminished ventilator function in children. When combined with particulate matter, SO_2 can injure lung tissue and reduce visibility and the level of sunlight. SO_2 can also yellow plant leaves and erode iron and steel.

Particulate Matter (PM). Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. $PM_{2.5}$ and PM_{10} represent fractions of particulate matter. Coarse particulate matter (PM_{10}) consists of particulate matter that is 10 microns or less in diameter and is about 1/7 the thickness of a human hair. Major sources of PM_{10} include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Fine particulate matter ($PM_{2.5}$) consists of particulate matter that is 2.5 microns or less in diameter and is roughly 1/28 the diameter of a human hair. $PM_{2.5}$ results from fuel combustion (e.g., from motor vehicles and power generation and industrial facilities), residential fireplaces, and woodstoves. In addition, $PM_{2.5}$ can be formed in the atmosphere from gases such as sulfur oxides (SO_x), NO_x, and VOCs.

$PM_{2.5}$ and PM_{10} pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. $PM_{2.5}$ and PM_{10} can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances such as lead, sulfates, and nitrates can cause lung damage directly or be absorbed into the blood stream, causing damage elsewhere in the body. Additionally, these substances can transport adsorbed gases such as chlorides or ammonium into the lungs, also causing injury. Whereas PM_{10} tends to collect in the upper portion of the respiratory system, $PM_{2.5}$ is so tiny that it can penetrate deeper into the lungs and damage lung tissue. Suspended particulates also damage and discolor surfaces on which they settle and produce haze and reduce regional visibility.

People with influenza, people with chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death as a result of breathing particulate matter. People with bronchitis can expect aggravated symptoms from breathing in particulate matter. Children may experience a decline in lung function due to breathing in PM_{10} and $PM_{2.5}$ (EPA 2009).

Lead. Lead in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline; the manufacturing of batteries, paints, ink, ceramics, and ammunition; and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phaseout of leaded gasoline reduced the overall inventory of airborne lead by nearly 95%. With the phaseout of leaded gasoline, secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emissions sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including IQ performance, psychomotor performance, reaction time, and growth. Children are highly susceptible to the effects of lead.

Volatile Organic Compounds (VOCs). Hydrocarbons are organic gases that are formed from hydrogen and carbon and sometimes other elements. Hydrocarbons that contribute to formation of O_3 are referred to and regulated as Volatile Organic Compounds (VOCs) (also referred to as reactive organic gases). Combustion engine exhaust, oil refineries, and fossil-fueled power plants are the sources of hydrocarbons. Other sources of hydrocarbons include evaporation from petroleum fuels, solvents, dry-cleaning solutions, and paint.

The primary health effects of VOCs result from the formation of O_3 and its related health effects. High levels of VOCs in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered TACs.

Non-Criteria Pollutants

Toxic Air Contaminants (TACs). A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic noncancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In the State of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years.

Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources such as automobiles; and area sources such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Diesel Particulate Matter (DPM). DPM is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. More than 90% of DPM is less than 1 micrometer in diameter (about 1/70th the diameter of a human hair), and thus is a subset of $PM_{2.5}$ (CARB 2022b). DPM is typically composed of carbon particles ("soot," also called black carbon) and numerous organic compounds, including over 40 known cancer-causing organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2022b). CARB classified "particulate emissions from diesel-fueled engines" (i.e., DPM) as a TAC in August 1998 (17 CCR 93000). DPM is emitted from a broad range of diesel engines: on-road diesel engines of trucks, buses, and cars and off-road diesel engines including locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70% of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000). Because it is part of $PM_{2.5}$, DPM also contributes to the same non-cancer health effects as $PM_{2.5}$ exposure. These effects include premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children.

Several studies suggest that exposure to DPM may also facilitate development of new allergies (CARB 2022b). Those most vulnerable to non-cancer health effects are children whose lungs are still developing and the elderly who often have chronic health problems.

Odorous Compounds. Odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting and headache). The ability to detect odors varies considerably among the population and overall is quite subjective. People may have different reactions to the same odor. An odor that is offensive to one person may be perfectly acceptable to another (e.g., coffee roaster). An unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. In a phenomenon known as odor fatigue, a person can become desensitized to almost any odor, and recognition may only occur with an alteration in the intensity. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receptors.

Valley Fever. Coccidioidomycosis, more commonly known as "Valley Fever," is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. The ecologic factors that appear to be most conducive to survival and replication of the spores are high summer temperatures, mild winters, sparse rainfall, and alkaline, sandy soils.

The County is not considered a highly endemic region for Valley Fever, as the latest report from the County of San Diego Health and Human Services Agency Public Health Services indicated the County has 8.3 cases per 100,000 people (County of San Diego 2019). In the zip code area of the Project site, the case rate is reported as between 5.0-7.6 cases per 100,000 people (County of San Diego 2021).

2.2 Regulatory Setting

2.2.1 Federal

Criteria Pollutants

The federal Clean Air Act (CAA), passed in 1970 and last amended in 1990, forms the basis for the national air pollution control effort. The United States Environmental Protection Agency (EPA) is responsible for implementing most aspects of the CAA, including the setting of National Ambient Air Quality Standards (NAAQS) for major air pollutants, hazardous air pollutant (HAP) standards, approval of state attainment plans, motor vehicle emission standards, stationary source emission standards and permits, acid rain control measures, stratospheric O_3 protection, and enforcement provisions.

NAAQS are established by the EPA for "criteria pollutants" under the CAA, which are O_3, CO, NO_2, SO_2, PM_{10}, $PM_{2.5}$, and lead. The NAAQS describe acceptable air quality conditions designed to protect the health and welfare of the citizens of the nation. The CAA requires the EPA to reassess the NAAQS at least every 5 years to determine whether adopted standards are adequate to protect public health based on current scientific evidence. States with areas that exceed the NAAQS must prepare a state implementation plan (SIP) that demonstrates how those areas will attain the standards within mandated time frames.

Hazardous Air Pollutants

The 1977 CAA Amendments required the EPA to identify national emission standards for hazardous air pollutants to protect the public health and welfare. HAPs include certain volatile organic chemicals, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 CAA Amendments, which expanded the control program for HAPs, 189 substances and chemical families were identified as HAPs.

2.2.2 State

Criteria Pollutants

The California Clean Air Act was adopted in 1988 and establishes the state's air quality goals, planning mechanisms, regulatory strategies, and standards of progress. Under the California Clean Air Act, the task of air quality management and regulation has been legislatively granted to CARB, with subsidiary responsibilities assigned to air quality management districts and air pollution control districts at the regional and county levels. CARB is responsible for ensuring implementation of the California Clean Air Act, responding to the CAA, and regulating emissions from motor vehicles and consumer products. Pursuant to the authority granted to it, CARB has established California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS.

The NAAQS and CAAQS are presented in Table 1.

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]	National Standards[b]	
		Concentration[c]	Primary[c,d]	Secondary[c,e]
O_3	1 hour	0.09 ppm (180 µg/m³)	—	Same as primary standard[f]
	8 hours	0.070 ppm (137 µg/m³)	0.070 ppm (137 µg/m³)[f]	
NO_2[g]	1 hour	0.18 ppm (339 µg/m³)	0.100 ppm (188 µg/m³)	Same as primary standard
	Annual arithmetic mean	0.030 ppm (57 µg/m³)	0.053 ppm (100 µg/m³)	
CO	1 hour	20 ppm (23 mg/m³)	35 ppm (40 mg/m³)	None
	8 hours	9.0 ppm (10 mg/m³)	9 ppm (10 mg/m³)	
SO_2[h]	1 hour	0.25 ppm (655 µg/m³)	0.075 ppm (196 µg/m³)	—
	3 hours	—	—	0.5 ppm (1,300 µg/m³)
	24 hours	0.04 ppm (105 µg/m³)	0.14 ppm (for certain areas)[g]	—
	Annual	—	0.030 ppm (for certain areas)[g]	—
PM_{10}[i]	24 hours	50 µg/m³	150 µg/m³	Same as primary standard
	Annual arithmetic mean	20 µg/m³	—	

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]	National Standards[b]	
		Concentration[c]	Primary[c,d]	Secondary[c,e]
$PM_{2.5}$[i]	24 hours	—	35 µg/m³	Same as primary standard
	Annual arithmetic mean	12 µg/m³	12.0 µg/m³	15.0 µg/m³
Lead[j, k]	30-day average	1.5 µg/m³	—	—
	Calendar quarter	—	1.5 µg/m³ (for certain areas)[k]	Same as primary standard
	Rolling 3-month average	—	0.15 µg/m³	
Hydrogen sulfide	1 hour	0.03 ppm (42 µg/m³)	—	—
Vinyl chloride[j]	24 hours	0.01 ppm (26 µg/m³)	—	—
Sulfates	24- hours	25 µg/m³	—	—
Visibility reducing particles	8 hour (10:00 a.m. to 6:00 p.m. PST)	Insufficient amount to produce an extinction coefficient of 0.23 per kilometer due to the number of particles when the relative humidity is less than 70%	—	—

Source: CARB 2016.

Notes: O_3 = ozone; ppm = parts per million by volume; µg/m³ = micrograms per cubic meter; NO_2 = nitrogen dioxide; CO = carbon monoxide; mg/m³= milligrams per cubic meter; SO_2 = sulfur dioxide; PM_{10} = particulate matter with an aerodynamic diameter less than or equal to 10 microns; $PM_{2.5}$ = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns.

a California standards for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, suspended particulate matter (PM_{10}, $PM_{2.5}$), and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. CAAQS are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

b National standards (other than O_3, NO_2, SO_2, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than 1. For $PM_{2.5}$, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.

c Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based on a reference temperature of 25°Celsius (°C) and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

d National Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.

e National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

f On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

g To attain the national 1-hour standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of ppm. To directly compare the national 1-hour standard to the California standards, the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

h On June 2, 2010, a new 1-hour SO_2 standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the national 1-hour standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until 1 year after an

area is designated for the 2010 standard, except that in areas designated nonattainment of the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

[i] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m³ were also retained. The form of the annual primary and secondary standards is the annual mean averaged over 3 years.

[j] CARB has identified lead and vinyl chloride as TACs with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[k] The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until 1 year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

Sulfates. Salts of sulfuric acid. Sulfates are the fully oxidized form of sulfur, which typically occur in combination with metals or hydrogen ions. Sulfates are produced from reactions of SO_2 in the atmosphere and can result in respiratory impairment, as well as reduced visibility. Sulfates occur as microscopic particles (aerosols) resulting from fossil fuel and biomass combustion. They increase the acidity of the atmosphere and form acid rain.

Vinyl Chloride. Vinyl chloride is a colorless gas with a mild, sweet odor, which has been detected near landfills, sewage plants, and hazardous waste sites, due to the microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in air can cause nervous system effects, such as dizziness, drowsiness, and headaches. Long-term exposure through inhalation can cause liver damage, including liver cancer.

Hydrogen Sulfide. Hydrogen sulfide is a colorless and flammable gas that has a characteristic odor of rotten eggs. Sources of hydrogen sulfide include geothermal power plants, petroleum refineries, sewers, and sewage treatment plants. Exposure to hydrogen sulfide can result in nuisance odors, as well as headaches and breathing difficulties at higher concentrations.

Visibility-Reducing Particles. Visibility-reducing particles are any particles in the air that obstruct the range of visibility. Effects of reduced visibility can include obscuring the viewshed of natural scenery, reducing airport safety, and discouraging tourism. Sources of visibility-reducing particles are the same as for $PM_{2.5}$.

Toxic Air Contaminants

The state Air Toxics Program was established in 1983 under AB 1807 (Tanner). The California TAC list identifies more than 700 pollutants, of which carcinogenic and noncarcinogenic toxicity criteria have been established for a subset of these pollutants pursuant to the California Health and Safety Code. In accordance with AB 2728, the state list includes the (federal) HAPs. The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588) seeks to identify and evaluate risk from air toxics sources; however, AB 2588 does not regulate air toxics emissions. TAC emissions from individual facilities are quantified and prioritized. "High-priority" facilities are required to perform a health risk assessment (HRA), and if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings.

In 2000, CARB approved a comprehensive Diesel Risk Reduction Plan to reduce diesel emissions from both new and existing diesel-fueled vehicles and engines. The regulation was anticipated to result in an 80% decrease in statewide diesel health risk in 2020 compared with the diesel risk in 2000. Additional regulations apply to new trucks and diesel fuel, including the On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation, the On-Road Heavy Duty (New) Vehicle Program, the In-Use Off-Road Diesel Vehicle Regulation, and the New Off-Road Compression-Ignition (Diesel) Engines and Equipment program. All of these regulations and programs have timetables by which

manufacturers must comply and existing operators must upgrade their diesel powered equipment. Several Airborne Toxic Control Measures that reduce diesel emissions including In-Use Off-Road Diesel-Fueled Fleets (13 CCR § 2449 et seq.) and In-Use On-Road Diesel-Fueled Vehicles (13 CCR § 2025).

California Health and Safety Code Section 41700

This section of the Health and Safety Code states that a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any of those persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. This section also applies to sources of objectionable odors.

2.2.3 Local

San Diego Air Pollution Control District

While CARB is responsible for the regulation of mobile emission sources within the state, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. The Project site is located within the SDAB and is subject to the guidelines and regulations of SDAPCD.

In San Diego County, O_3 and particulate matter are the pollutants of main concern, since exceedances of CAAQS for those pollutants are experienced here in most years. For this reason, the SDAB has been designated as a nonattainment area for the state PM_{10}, $PM_{2.5}$, and O_3 standards. The SDAB is also a federal O_3 attainment (maintenance) area for 1997 8-hour O_3 standard, a O_3 nonattainment area for the 2008 8-hour O_3 standard, and a CO maintenance area (western and central part of the SDAB only). The Project area is in the CO maintenance area.

San Diego Association of Governments

SANDAG is the regional planning agency for the County and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. SANDAG serves as the federally designated metropolitan planning organization for the County. With respect to air quality planning and other regional issues, SANDAG has prepared San Diego Forward: The Regional Plan (Regional Plan) for the San Diego region (SANDAG 2015). The Regional Plan combines the big-picture vision for how the San Diego region will grow over the next 35 years with an implementation program to help make that vision a reality. The Regional Plan, which includes the Federally mandated Regional Transportation Plan (RTP) and state required Sustainable Communities Strategy (SCS), is built on an integrated set of public policies, strategies, and investments to maintain, manage, and improve the transportation system so that it meets the diverse needs of the San Diego region through 2050.

With respect to air quality, the Regional Plan sets the policy context in which SANDAG participates and responds to the SDAPCD ’s air quality plans and builds on plan processes that are designed to meet health-based criteria pollutant standards in several ways (SANDAG 2015). First, it complements air quality plans by providing guidance and incentives for public agencies to consider best practices that support the technology-based control measures in air quality plans. Second, the Regional Plan emphasizes the need for better coordination of land use and transportation planning, which heavily influence the emissions inventory from the transportation sectors of the

economy. This also minimizes land use conflicts, such as residential development near freeways, industrial areas, or other sources of air pollution.

On February 26, 2021, SANDAG's Board of Directors adopted the final 2021 Regional Transportation Improvement Program (RTIP). The 2021 RTIP covers 5 fiscal years (FY 2021 through FY 2025) and incrementally implements the SANDAG 2019 Federal Regional Transportation Plan. The 2021 RTIP is designed to implement the region's overall strategy for providing mobility and improving the safety, condition, and efficiency of the transportation system while reducing transportation related air pollution. The 2021 RTIP incrementally implements San Diego Forward: The 2019 Federal Regional Transportation Plan, the long-range transportation plan for the San Diego region approved by the SANDAG Board of Directors on October 25, 2019.

Federal Attainment Plans

In December 2016, the SDAPCD adopted an update to the Eight-Hour Ozone Attainment Plan for San Diego County (2008 O_3 NAAQS). The 2016 Final Eight-Hour Ozone Attainment Plan for San Diego County indicates that local controls and state programs would allow the region to reach attainment of the federal 8-hour O_3 standard (1997 O_3 NAAQS) by 2018 (SDAPCD 2016b). In this plan, SDAPCD relies on the Regional Air Quality Strategy (RAQS) to demonstrate how the region will comply with the federal O_3 standard. The RAQS details how the region will manage and reduce O_3 precursors (NO_x and VOCs) by identifying measures and regulations intended to reduce these pollutants. The control measures identified in the RAQS generally focus on stationary sources; however, the emissions inventories and projections in the RAQS address all potential sources, including those under the authority of CARB and EPA. Incentive programs for reduction of emissions from heavy-duty diesel vehicles, off-road equipment, and school buses are also established in the RAQS.

Currently, the County is designated as moderate nonattainment for the 2008 O_3 NAAQS and maintenance for the 1997 O_3 NAAQS. As documented in the 2016 Final Eight-Hour Ozone Attainment Plan for San Diego County, the County has a likely chance of obtaining attainment due to the transition to low emission cars, stricter new source review rules, and continuing the requirement of general conformity for military growth and the San Diego International Airport. SDAPCD will also continue emission control measures including ongoing implementation of existing regulations in ozone precursor reduction to stationary and area-wide sources, subsequent inspections of facilities and sources, and the adoption of laws requiring Best Available Retrofit Control Technology for control of emissions (SDAPCD 2016b).

State Attainment Plans

The SDAPCD and the San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the SDAB. The RAQS for the SDAB was initially adopted in 1991 and is updated on a triennial basis, most recently in 2020 (SDAPCD 2020). Approved by the District Board on October 14, 2020, and the California Air Resources Board on November 19, 2020, the plan was submitted by CARB on January 8, 2021 for EPA's consideration as a revision to the California State Implementation Plan (SIP) for attaining the ozone standards. The RAQS outlines SDAPCD's plans and control measures designed to attain the state air quality standards for O_3. The RAQS relies on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in the County and the cities in the County, to forecast future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends,

and land use plans developed by the County and the cities in the County as part of the development of their general plans (SANDAG 2017a, 2017b).

In January 2021, CARB submitted for EPA's consideration the revised California SIP. On July 12, 2021, the San Diego 2020 SIP was found complete by EPA. Under the Clean Air Act, the EPA has twelve months from the completeness date to take a final action on the 2020 SIP. As discussed in the 2020 RAQS, the results of modeling and Weight of Evidence analyses provide persuasive support to a conclusion that the emission control measures defined in the plan are sufficient to continue reducing ozone concentrations throughout San Diego County to the level of the 2008 ozone NAAQS by the conclusion of the 2026 ozone season, and to the level of the 2015 ozone NAAQS by the conclusion of the 2032 ozone season.

In regards to particulate matter emissions-reduction efforts, in December 2005, the SDAPCD prepared a report titled "Measures to Reduce Particulate Matter in San Diego County" to address implementation of Senate Bill (SB) 656 in the County (SB 656 required additional controls to reduce ambient concentrations of PM_{10} and $PM_{2.5}$) (SDAPCD 2005). In the report, SDAPCD evaluated implementation of source-control measures that would reduce particulate matter emissions associated with residential wood combustion; various construction activities including earthmoving, demolition, and grading; bulk material storage and handling; carry-out and track-out removal and cleanup methods; inactive disturbed land; disturbed open areas; unpaved parking lots/staging areas; unpaved roads; and windblown dust (SDAPCD 2005).

SDAPCD Rules and Regulations

As stated previously, SDAPCD is responsible for planning, implementing, and enforcing federal and state ambient standards in the SDAB. The following rules and regulations apply to all sources in the jurisdiction of SDAPCD:

- **SDAPCD Regulation IV: Prohibitions; Rule 50: Visible Emissions.** Prohibits any activity causing air contaminant emissions darker than 20% opacity for more than an aggregate of 3 minutes in any consecutive 60-minute time period. In addition, Rule 50 prohibits any diesel pile-driving hammer activity causing air contaminant emissions for a period or periods aggregating more than 4 minutes during the driving of a single pile (SDAPCD 1997).
- **SDAPCD Regulation IV: Prohibitions; Rule 51: Nuisance.** Prohibits the discharge, from any source, of such quantities of air contaminants or other materials that cause or have a tendency to cause injury, detriment, nuisance, annoyance to people and/or the public, or damage to any business or property (SDAPCD 1976).
- **SDAPCD Regulation IV: Prohibitions; Rule 55: Fugitive Dust.** Regulates fugitive dust emissions from any commercial construction or demolition activity capable of generating fugitive dust emissions, including active operations, open storage piles, and inactive disturbed areas, as well as track-out and carry-out onto paved roads beyond a project site (SDAPCD 2009b).
- **SDAPCD Regulation IV: Prohibitions; Rule 67.0.1: Architectural Coatings.** Requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2015).

Santee General Plan

The City of Santee General Plan serves as a long-term policy guide for physical, economic, and environmental growth. It is a statement of the community's vision for ultimate growth. State law requires that every city prepare and adopt a comprehensive long-range plan to serve as a guide for the development of the community. City actions, such as those relating to land use allocations, annexations, zoning, subdivision and design review, redevelopment and capital improvements must be consistent with the General Plan. Applicable policies related to improving air quality include the following.

MOBILITY ELEMENT

Streets and Freeway System, Objective 2.0: Transportation network, consisting of local roads, collectors, arterials, freeways and transit services, in a manner that promotes the health and mobility of Santee residents and that meets future circulation needs, provides access to all sectors of the City , and supports established and planned land uses.

> Policy 2.9: The City should work with the region to develop traffic and congestion management programs to improve commute times and improve air quality.

Transportation Demand Management Objective 9.0: Increased use of alternative modes of travel to reduce peak hour vehicular trips, save energy, and improve air quality.

> Policy 9.1: The City shall encourage and provide for Ride Sharing, Park ‘n Ride, and other similar commuter programs that eliminate vehicles from freeways and arterials.

> Policy 9.2: The City should encourage businesses to provide flexible work schedules for employees.

> Policy 9.3: The City should encourage employers to offer shared commute programs and/or incentives for employees to use transit.

> Policy 9.4: The City should encourage the use of alternative transportation modes, such as walking, cycling and public transit. The City should maintain and implement the policies and recommendations of the Bicycle Master Plan and Safe Routes to School Plan to improve safe bicycle and pedestrian access to major destinations.

> Policy 9.5: The City should improve safety of walking and biking environment around schools to reduce school-related vehicle trips.

City of Santee Active Santee Plan, January 2021

Objective 8.0 Increased use of alternative modes of travel to schools to reduce peak hour vehicular trips, save energy, and improve air quality around schools.

Sustainable Santee Plan

The City adopted the Sustainable Santee Plan in December of 2019 (City of Santee 2019). The Sustainable Santee Plan serves as the City's climate action plan (CAP) with the primary purpose or goals as follows:

1. Present the City's plan for achieving sustainability by utilizing resources efficiently, reducing greenhouse gas emissions, and preparing for potential climate-related impacts.
2. Identify hour the City will effectively implement this Sustainable Santee Plan by obtaining funding for program implementation and tracking and monitoring the progress of the Plan implementation over time.
3. Allow streamlined CEQA compliance for new development by preparing an Environmental Impact Report for the Plan and developing tools that provide clear guidance to developers and other project proponents
4. Maintain economic competitiveness within the region.

The Sustainable Santee Action Plan Project Consistency Checklist (Checklist) is intended to be a tool for development projects to demonstrate consistency with Santee's (City's) Sustainable Santee Action Plan, which is a qualified greenhouse gas (GHG) emissions reduction plan in accordance with California Environmental Quality Act (CEQA) Guidelines Section 15183.5. This Checklist has been developed as part of the Sustainable Santee Action Plan implementation and monitoring process and will support the achievement of individual GHG reduction measures as well as the City's overall GHG reduction goals. In addition, this Checklist will further the City's sustainability goals and policies that encourage sustainable development and aim to conserve and reduce the consumption of resources, such as energy and water, among others.

2.3 Regional and Local Air Quality

2.3.1 SDAB Attainment Designation

Pursuant to the 1990 CAA Amendments, EPA classifies air basins (or portions thereof) as "attainment" or "nonattainment" for each criteria air pollutant, based on whether the NAAQS have been achieved. Generally, if the recorded concentrations of a pollutant are lower than the standard, the area is classified as "attainment" for that pollutant. If an area exceeds the standard, the area is classified as "nonattainment" for that pollutant. As previously discussed, these standards are set by EPA or CARB for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated as "unclassified" or "unclassifiable."

The designation of "unclassifiable/attainment" means that the area meets the standard or is expected to be meet the standard despite a lack of monitoring data. Areas that achieve the standards after a nonattainment designation are redesignated as maintenance areas and must have approved maintenance plans to ensure continued attainment of the standards. The California Clean Air Act, like its federal counterpart, called for the designation of areas as "attainment" or "nonattainment," but based on the CAAQS rather than the NAAQS.

Table 2 summarizes SDAB's federal and state attainment designations for each of the criteria pollutants.

Table 2. SDAB Attainment Designation

Pollutant	Federal Designation	State Designation
O_3 (8-hour)	**Nonattainment**	**Nonattainment**
O_3 (1-hour)	Attainment[a]	**Nonattainment**
CO	Attainment	Attainment
PM_{10}	Unclassifiable[b]	**Nonattainment**
$PM_{2.5}$	Attainment	**Nonattainment**[c]
NO_2	Attainment	Attainment
SO_2	Attainment	Attainment
Lead	Attainment	Attainment
Sulfates	(No federal standard)	Attainment
Hydrogen sulfide	(No federal standard)	Unclassified
Visibility-reducing particles	(No federal standard)	Unclassified
Vinyl chloride	(No federal standard)	No designation

Sources: SDAPCD 2022b
Definitions: attainment = meets the standards; nonattainment = does not meet the standards; unclassified or unclassifiable = insufficient data to classify
Notes: SDAB = San Diego; O_3 = ozone; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; NO_2 = nitrogen dioxide; SO_2 = sulfur dioxide.

[a] The federal 1-hour standard of 0.12 parts per million (ppm) was in effect from 1979 through June 15, 2005. The revoked standard is referenced here because it was employed for such a long period and because this benchmark is addressed in SIPs.

[b] At the time of designation, if the available data does not support a designation of attainment or nonattainment, the area is designated as unclassifiable.

[c] CARB has not reclassified the region to attainment yet due to (1) incomplete data, and (2) the use of non-California Approved Samplers (CAS). While data collected does meet the requirements for designation of attainment with federal $PM_{2.5}$ standards, the data completeness requirements for state $PM_{2.5}$ standards substantially exceed federal requirements and mandates, and have historically not been feasible for most air districts to adhere to given local resources. APCD has begun replacing most regional filter-based $PM_{2.5}$ monitors as they reach the end of their useful life with continuous $PM_{2.5}$ air monitors to ensure collected data meets stringent completeness requirements in the future. APCD anticipates these new monitors will be approved as "CAS" monitors once CARB review the list of approved monitors, which has not been updated since 2013.

2.3.2 Air Quality Monitoring Data

CARB, air districts, and other agencies monitor ambient air quality at approximately 250 air quality monitoring stations across the state. Local ambient air quality is monitored by SDAPCD. SDAPCD operates a network of ambient air monitoring stations throughout the County that measure ambient concentrations of pollutants and determine whether the ambient air quality meets the CAAQS and the NAAQS. The nearest SDAPCD-operated monitoring station is the El Cajon monitoring station located at 533 First Street, El Cajon. This site was used to show the background ambient air quality for Ozone, NO_2 CO, SO_2, PM_{10}, and $PM_{2.5}$. The most recent background ambient air quality data and number of days exceeding the ambient air quality standards from 2020 to 2022 are presented in Table 3.

Table 3. Local Ambient Air Quality Data

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
				2020	2021	2022	2020	2021	2022
Ozone (O_3) – El Cajon – First Street; Floyd Smith Drive									
Maximum 1-hour concentration	ppm	State	0.09	0.094	0.088	0.100	0	0	1
Maximum 8-hour concentration	ppm	State	0.070	0.083	0.077	0.088	14	3	2
		Federal	0.070	0.083	0.076	0.088	14	3	2
Nitrogen Dioxide (NO2) – El Cajon – First Street; Floyd Smith Drive									
Maximum 1-hour concentration	ppm	State	0.18	0.044	0.038	0.037	0	0	0
		Federal	0.100	0.044	0.038	0.037	0	0	0
Annual concentration	ppm	State	0.030	0.008	0.006	0.008	—	—	--
		Federal	0.053	0.008	0.006	0.008	—	—	--
Carbon Monoxide (CO) – El Cajon – First Street; Floyd Smith Drive									
Maximum 1-hour concentration	ppm	State	20	1.5	1.2	1.4	0	0	0
		Federal	35	1.5	1.2	1.4	0	0	0
Maximum 8-hour concentration	ppm	State	9.0	1.4	1.1	1.1	0	0	0
		Federal	9	1.4	1.1	1.1	0	0	0
Sulfur Dioxide (SO2) – El Cajon – First Street; Floyd Smith Drive									
Maximum 1-hour concentration	ppm	Federal	0.075	0.0017	0.0016	0.0008	0	0	0
Maximum 24-hour concentration	ppm	Federal	0.14	0.0004	0.0003	0.003	0	0	0
Annual concentration	ppm	Federal	0.030	0.00009	0.00006	0.00006	0	0	0
Coarse Particulate Matter (PM10)a – El Cajon – First Street; Floyd Smith Drive									
Maximum 24-hour concentration	µg/m³	State	50	55	40	44	0.0 (0)	0.0 (0)	0.0 (0)
		Federal	150	55	40	44	0.0 (0)	0.0 (0)	0.0 (0)
Annual concentration	µg/m³	State	20	23 **	23 **	*	—	—	—
Fine Particulate Matter ($PM_{2.5}$)[a] – El Cajon – First Street; Floyd Smith Drive									
Maximum 24-hour concentration	µg/m³	Federal	35	38.2	30.2	26.4	2.2	0	0
Annual concentration	µg/m³	State	12	11.5	10.3	*	0.0 (0)	0.0 (0)	*
		Federal	12.0	10.3	9.7	9.4	0.0 (0)	0.0 (0)	0.0 (0)

Sources: CARB 2023c; EPA 2023.

Notes: ppm = parts per million; — = not available; µg/m³ = micrograms per cubic meter;

Data taken from CARB iADAM (CARB 2019c) and EPA AirData (EPA 2019) represent the highest concentrations experienced over a given year. Daily exceedances for particulate matter are estimated days because PM_{10} and $PM_{2.5}$ are not monitored daily. All other criteria pollutants did not exceed federal or state standards during the years shown. There is no federal standard for 1-hour O_3, annual PM_{10}, or 24-hour SO_2, nor is there a state 24-hour standard for $PM_{2.5}$.
Camp Pendleton monitoring station is located at 21441 West B Street, Camp Pendleton, California.
El Cajon – First Street monitoring station is located at 533 First Street, El Cajon, California.
El Cajon – Floyd Smith Drive monitoring station is located at 10537 Floyd Smith Drive, El Cajon, California.
[a] Measurements of PM_{10} and $PM_{2.5}$ are usually collected every 6 days and every 1 to 3 days, respectively. Number of days exceeding the standards is a mathematical estimate of the number of days concentrations would have been greater than the level of the standard had each day been monitored. The numbers in parentheses are the measured number of samples that exceeded the standard.
* There was insufficient (or no) data available to determine the value.
** Most recent data for PM10 at monitor location for annual are years 2017 and 2018.

2.4 Significance Criteria and Methodology

2.4.1 Thresholds of Significance

The State of California has developed guidelines to address the significance of air quality impacts based on Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.), which provides guidance that a project would have a significant environmental impact if it would:

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard.
3. Expose sensitive receptors to substantial pollutant concentrations.
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Appendix G of the CEQA Guidelines indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to determine whether a project would have a significant impact on air quality.

As part of its air quality permitting process, the SDAPCD has established thresholds in Rule 20.2 requiring the preparation of Air Quality Impact Assessments for permitted stationary sources. The SDAPCD sets forth quantitative emission thresholds below which a stationary source would not have a significant impact on ambient air quality. Project-related air quality impacts estimated in this environmental analysis would be considered significant if any of the applicable significance thresholds presented in Table 4 are exceeded.

For CEQA purposes, these screening criteria can be used as numeric methods to demonstrate that the Project's total emissions would or would not result in a significant impact to air quality.

Table 4. SDAPCD Air Quality Significance Thresholds

Construction Emissions	
Pollutant	**Total Emissions (Pounds per Day)**
Coarse particulate matter (PM_{10})	100
Fine particulate matter ($PM_{2.5}$)	55
Oxides of nitrogen (NO_x)	250

Table 4. SDAPCD Air Quality Significance Thresholds

Sulfur oxides (SO_x)	250		
Carbon monoxide (CO)	550		
Volatile organic compounds (VOCs)	75*		
Operational Emissions			
	Total Emissions		
Pollutant	**Pounds per Hour**	**Pounds per Day**	**Tons per Year**
Coarse particulate matter (PM_{10})	—	100	15
Fine particulate matter ($PM_{2.5}$)	—	55	10
Oxides of nitrogen (NO_x)	25	250	40
Sulfur oxides (SO_x)	25	250	40
Carbon monoxide (CO)	100	550	100
Lead and lead compounds	—	3.2	0.6
Volatile organic compounds (VOCs)	—	75*	13.7

Source: SDAPCD 2016a.
Notes: SDAPCD = San Diego Air Pollution Control District.
* VOC threshold based on the threshold of significance for VOCs from the South Coast Air Quality Management District (SCAQMD) for the Coachella Valley as stated in the San Diego County Guidelines for Determining Significance.

The thresholds listed in Table 4 represent screening-level thresholds that can be used to evaluate whether Project-related emissions would cause a significant impact on air quality. Emissions below the screening-level thresholds would not cause a significant impact. In the event that emissions exceed these thresholds, modeling would be required to demonstrate that the Project's total air quality impacts result in ground-level concentrations that are below the CAAQS and NAAQS, including appropriate background levels. For non-attainment pollutants, if emissions exceed the thresholds shown in Table 4, the Project could have the potential to result in a cumulatively considerable net increase in these pollutants and thus could have a significant impact on the ambient air quality.

SDAPCD Rule 51 (Public Nuisance) prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any person (SDAPCD 1976). A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors.

2.4.2 Approach and Methodology

Construction Mass Emissions

Emissions from the construction phase of Project components were estimated using the California Emissions Estimator Model (CalEEMod) Version 2022.1.1.19. Per preliminary project details, it is assumed that construction of the Project would begin in June 2024[3] and would last approximately 15 months.

Table 5 provides the construction timeline, potential phasing, construction equipment mix, and vehicle trips assumed for estimating Project-generated construction emissions. The construction schedule has been developed based on available information provided by the Project applicant, typical construction practices, and CalEEMod default assumptions. Construction phasing is intended to represent a schedule of anticipated activities for use in estimating potential Project-generated construction emissions.

Table 5. Construction Scenario Assumptions

Construction Phase (Duration)	Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Demolition	16	4	184	Concrete/Industrial Saws	1	8
				Excavators	3	8
				Rubber Tired Dozers	2	8
				Asphalt Crusher (Other Construction Equipment)	1	8
Grading	20	4	0	Excavators	2	8
				Graders	1	8
				Rubber Tired Dozers	1	8
				Scrapers	2	8
				Tractors/Loaders/Backhoes	2	8
Building Construction	126	50	0	Cranes	1	7
				Forklifts	3	8
				Generator Sets	1	8
				Tractors/Loaders/Backhoes	3	7
				Welders	1	8
Paving	16	0	0	Pavers	2	8
				Paving Equipment	2	8
				Rollers	2	8

[3] At the time this Air Quality and Green House Gas modelling was initiated, the analysis assumed a construction start date of July 2023. While past, it represented the earliest date construction could have been initiated. It is assumed that the earliest start date for construction represents the worst-case scenario for criteria air pollutant and GHG emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years. Therefore, the conclusions of the analysis are more conservative than analyses prepared for later years.

Table 5. Construction Scenario Assumptions

Construction Phase (Duration)	Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Architectural Coating	26	0	0	Air Compressors	1	6

Note: See Appendix A for additional details.

The equipment mix assumptions were based on CalEEMod default assumptions based on proposed land use, and is meant to represent a reasonably conservative estimate of construction activity. During the demolition phase of construction asphalt crushing was modeled as other construction equipment for engine emissions and fugitive particulate emissions were estimated through EPA emission factors outside of CalEEMod and provide in the Appendix. For the analysis, it is generally assumed that heavy construction equipment would be operating at the site for approximately 8 hours per day, 5 days per week. Default assumptions provided in CalEEMod were used to determine worker trips and vendor truck trips for each potential construction phase. The default CalEEMod trip distance for construction vehicles was assumed, which was a one-way distance of 11.97 miles for worker trips, 7.63 miles for vendor truck trips, and 20 miles for haul truck trips.

Implementation of the Project would generate criteria air pollutant emissions from entrained dust, off-road equipment, vehicle emissions, architectural coatings, and asphalt pavement application. Based on project specific information, grading materials would be balanced onsite. Entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in PM_{10} and $PM_{2.5}$ emissions. Construction of Project components would be subject to SDAPCD Rule 55 – Fugitive Dust Control. Compliance with Rule 55 would limit fugitive dust (PM_{10} and $PM_{2.5}$) that may be generated during grading and construction activities. Standard construction practices that would be employed to reduce fugitive dust emissions include watering of the active sites two times per day, depending on weather conditions.

Internal combustion engines used by construction equipment, vendor trucks (i.e., delivery trucks), haul trucks, and worker vehicles would result in emissions of VOCs, NO_x, CO, PM_{10}, and $PM_{2.5}$. The application of architectural coatings, such as exterior application/interior paint and other finishes, and application of asphalt pavement would also produce VOC emissions; however, the contractor is required to procure architectural coatings from a supplier in compliance with the requirements of SDAPCD Rule 67.0.1 for Architectural Coatings.

For additional details see Appendix A, *Air Quality and Greenhouse Gas Emissions CalEEMod Output Files*.

Construction Health Risk Analysis

An HRA was performed to assess the impact of construction on sensitive receptors proximate to the Project site. This report includes an HRA associated with emissions from construction of the proposed Project based on the methodologies prescribed in the Office of Environmental Health Hazard Assessment (OEHHA) document, Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments (OEHHA Guidelines) (OEHHA 2015). To implement the OEHHA Guidelines based on proposed project information, the SDAPCD has developed a three-tiered approach where each successive tier is progressively more refined, with fewer conservative

assumptions. The SDAPCD document, Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (SDAPCD 2022), provides guidance with which to perform HRAs within the SDAB.

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SDAPCD recommends a carcinogenic (cancer) risk threshold of 10 in one million. Additionally, some TACs increase non-cancer health risk due to long-term (chronic) exposures. The Chronic Hazard Index is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. The SDAPCD recommends a Chronic Hazard Index significance threshold of one (project increment). The exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. DPM has established cancer risk factors and relative exposure values for long-term chronic health hazard impacts. No short-term, acute relative exposure level has been established for DPM; therefore, acute impacts of DPM are not addressed in this assessment. The HRA for the Project evaluated the risk to existing off-site residents from diesel emissions from exhaust from on-site construction equipment and diesel haul and vendor trucks.

The dispersion modeling of DPM was performed using the American Meteorological Society/EPA Regulatory Model (AERMOD), which is the model SDAPCD requires for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain (EPA 2021). For the Project, AERMOD was run with all sources emitting unit emissions (one gram per second) to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength and is used as a way to simplify the representation of emissions from many sources. The X/Q values of ground-level concentrations were determined for construction emissions using AERMOD and the maximum concentrations determined for the one-hour and period-averaging periods. Principal parameters of this modeling are presented in Table 6.

Table 6. AERMOD Principal Parameters

Parameter	Details
Meteorological Data	The latest three-year meteorological data (2019–2021) for the Lexington Elementary School Station were obtained from SDAPCD as the recommended meteorological station and input to AERMOD.
Terrain Characteristics	The elevation of the modeled site is about 100 meters above sea level. Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate.
Elevation Data	Digital elevation data were imported into AERMOD, and elevations were assigned to the emission sources and receptors. Digital elevation data were obtained through AERMOD View in the U.S. Geological Survey's National Elevation Dataset format with a 10-meter resolution.
Emission Sources and Release Parameters	Air dispersion modeling of DPM from construction equipment was conducted using emissions estimated using CalEEMod, assuming emissions would occur eight hours per day, five days per week. Vendor and hauling trips were modified to account only for emissions occurring within 1,000 ft of the Project site. The Project area was modeled as a series of adjacent line-volume sources.
Source Release Characterizations	The source release height was assumed to be 3.4 meters with plume height and width of 6.8 and 8.6 meters per volume source.

Notes: AERMOD = American Meteorological Society/EPA Regulatory Model; SDAPCD = San Diego Air Pollution Control District; DPM = diesel particulate matter; CalEEMod = California Emissions Estimator Model.
See Appendix B for additional information.

Dispersion model plot files from AERMOD were then imported into CARB's Hotspots Analysis and Reporting Program (HARP) Version 2 (Version 22118) to determine health risk, which requires peak one-hour emission rates and annual emission rates for all pollutants for each modeling source. For the residential health risk, the HRA assumes exposure would start in the third trimester of pregnancy for a duration of 15 months.

Operation

Operation

Emissions from the operational phase of the Project were estimated using CalEEMod for operational year 2025.

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products (CAPCOA 2021). Consumer product VOC emissions were estimated in CalEEMod based on the floor area of buildings and default factor of pounds of VOC per building square foot per day. The CalEEMod default values for consumer products were assumed.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings, such as in paints and primers used during building maintenance. CalEEMod calculates the VOC evaporative emissions from the application of surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emissions factor is based on the VOC content of the surface coatings, and SDAPCD Rule 67.0.1, Architectural Coatings, governs the VOC content for interior and exterior coatings. CalEEMod default values were assumed, including the surface area to be painted, the VOC content of architectural coatings, and the reapplication rate of 10% of area per year.

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chainsaws, and hedge trimmers. The emissions associated with landscape equipment use were estimated based on CalEEMod default values for emission factors (grams per square foot of building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days.

Mobile Sources

The Project would generate criteria pollutant emissions from mobile sources (vehicular traffic) as a result of the employee passenger vehicles (workers) and truck traffic associated with the operation of the warehouse.

Emissions from the mobile sources during operation of the Project were estimated in CalEEMod. The maximum daily trip rates, taken from the Project transportation analysis, were 1,011 primary trips per day, which were assumed 7

days per week. The passenger vehicle trip lengths were assumed to be CalEEMod default trip length of 11. miles for commercial-work trips (i.e., trips made by someone who is employed by the warehouse land use) and assumed to be 100% of primary trips. The light-duty, medium-heavy-duty, and heavy-duty truck trip lengths were based on the 40 miles and assumed to be 100% of primary trips. Vehicle emissions occur during startup, operation (running), and idling, as well as from evaporative losses when the engines are resting. The emissions factors for trucks and passenger vehicles were determined using CalEEMod.

To identify an appropriate trip length assumption for heavy-duty truck trips a project-specific EMFAC-based estimate was performed. EMFAC data and the distance to the Otay Mesa Port of Entry was examined. EMFAC data was queried for San Diego County for operational year 2025 for light-heavy duty (LHDT1 and LHDT2), medium heavy duty (MHDT), and heavy-heavy duty trucks (HHDT) for total vehicle miles traveled (VMT) and number of vehicle trips. Based on the EMFAC data it is estimated that MHDTs average 3.6 miles per trip and HHDTs average 8.21 miles per trip in San Diego County. LHDT1 and LHDT2s have a shorter EMFAC trip distance compared to MHDT, therefore, as a conservative assumption, LHDT1 and LHDT2 were assumed to have the same trip distance as MHDTs. The estimated trip distance from the Otay Mesa Port of Entry to the Project was estimated to be 37 miles. Based on the EIR's transportation analysis, HHDT make up 62.6% of the total truck trips for the Project and LHDT1, LHDT2, and MHDTs make up 37.4% of truck trips. Conservatively assuming all HHDTs originate from the Otay Mesa Port of Entry, then 50% of HHDT truck trips, arrival trips, are assumed to be of a distance of 37 miles. The other 50% making up the HHDT departure from the Project are assumed to have trip distance equal to the average EMFAC San Diego County trip distance of 8.21 miles. To determine an average total truck distance for use in CalEEMod HHDT trips are averaged with the other 37.4% of the trucks (and LHDT1, LHDT2, and MHDTs) to determine an overall weighted average truck trip distance equal to 32 miles. See Table 7 for calculation details.

Table 7. Operational Truck Trip Distance

Vehicle	Percent of Trucks Trips (%)[1]	EMFAC Data			Trip Distance
		EMFAC Truck Classification	County-wide VMT	County-wide Vehicle Trips	VMT per Trip
2-4 Axle Trucks (Arriving and Departing)	37.4	LHDT1, LHDT2, and MHDT	755,339[2]	209,690[2]	3.60
5+ Axle Trucks (Arriving from Port)	31.3 (50% of total HHDT Trips[4])	HHDT	N/A	N/A	37[3]
5+ Axle Trucks (Departing)	31.3 (50% of total HHDT Trips[4])	HHDT	1,900,421	231,587	8,21
				Weighted Average (All Truck Trips)	**14.74**

Notes:

1 Based on project traffic impact analysis, Appendix I.

2 LHDT1, LHDT2, and MHDT conservatively based on EMFAC VMT and Trip data for MHDT.

3 Based on the distance from the project site to the Otay Mesa Port of Entry.

4 Percent of truck trips represents arrival and departure trips, therefore 50% of trips (arrival) conservatively assumed to originate at the Otay Mesa Port of Entry. 50% of trips assumed to depart the project facility and estimated truck trip distance is based on EMFAC county-wide average HHDT truck VMT per trip.

Project truck idling would be limited to 5 minutes in accordance with CARB's adopted Airborne Toxic Control Measure; however, for HRA modeling purposes, it was conservatively assumed that the trucks would idle for a total of 15 minutes: 5 minutes at the entrance, 5 minutes at the loading dock, and 5 minutes at the exit of the Project site.

Energy Source Emissions

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for greenhouse gas emissions in CalEEMod, since criteria pollutant emissions would occur at the site of power plants, which are not on the Project site. However, natural gas combustion would occur at the Project site itself, in association with equipment that uses natural gas. The emissions associated with natural gas use were calculated using CalEEMod default parameters, which assume compliance with the 2019 Title 24 Building Energy Efficiency Standards.

Off-Road Equipment

It is common for industrial buildings to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. The most common type of cargo handling equipment are forklifts, pallet jacks, and yard trucks, which are designed for moving cargo containers. Yard trucks are also known as yard goats, utility tractors, hustlers, yard hostlers, and yard tractors. The cargo handling equipment is assumed to have a horsepower (hp) range of approximately 175 hp to 215 hp. For this particular Project, based on the maximum square footage of building space permitted by the Project, on-site modeled operational equipment includes a total of 36 Tier4i or better diesel fueled forklifts (forklifts and pallet jacks) and 1 Tier4i or better diesel fueled yard tractors operating at 8 hours a day for 365 days of the year.

For additional details see Appendix A, *Air Quality and Greenhouse Gas Emissions CalEEMod Output File*s.

Operational Heath Risk Assessment

CARB's Air Quality and Land Use Handbook: A Community Health Perspective encourages consideration of the health impacts of distribution centers that accommodate more than 100 trucks per day on sensitive receptors sited within 1,000 feet from the source in the land use decision-making process (CARB 2005). For the operational health risk, the operation year 2025 was assumed consistent with completion of Project construction. Emissions from the operation of the Project include truck trips, and truck idling emissions and emissions from the routing maintenance of the onsite emergency fire-water pump engine. For risk assessment purposes, PM_{10} in diesel exhaust is considered DPM, originating mainly from trucks traveling on site and off site and truck idling located at the loading docks. Truck travel and idling emission rates were obtained from CARB's EMFAC2021. Emission factors representing the vehicle mix and emissions for 2025 were used to estimate emissions associated with operation of the Project. Truck idling would be limited to 5 minutes in accordance with CARB's adopted Airborne Toxic Control Measure; however, truck idling was conservatively assumed to idle for 15 minutes.[4] Therefore, the analysis conservatively overestimates DPM emissions from idling. All deliveries would occur Monday through Sunday.

[4] Although the project is required to comply with CARB's idling limit of 5 minutes, on-site idling emissions was estimated for 15 minutes of truck idling, which would take into account on-site idling while the trucks are waiting to pull up to the loading dock, idling at the loading dock, and idling during check-in and check-out.

Conservatively, a 2025 EMFAC2021 run was conducted and a constant 2025 emission factor data set was used for the entire duration of the analysis (i.e., 30 years). Use of the 2025 emission factors would overstate potential impacts since this approach does not include reductions in emissions due to fleet turnover or cleaner technology with lower emissions. The truck travel DPM emissions were calculated by applying the exhaust PM_{10} emission factor from EMFAC2021 and the total truck trip number over the length of the distance traveled. In addition, the on-site truck idling exhaust emissions were calculated by applying the idle exhaust PM_{10} emission factor from EMFAC2021 and total truck trip over the total idling time (i.e., 15 minutes).

The dispersion modeling was performed to estimate emissions at proximate receptors using AERMOD (Version 13.0.0). The truck traffic was modeled as a line of adjacent volume sources with a trip distribution consistent with the traffic analysis including 90 percent (%) truck trips to and from Highway 52 to the Project site via Highway 67 and 10 % of truck trips traveling to and from north of the project site via Highway 67. Truck idling was modeled as line volume sources.

As previously described, health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SDAQMD recommends a carcinogenic (cancer) risk threshold of 10 in one million. Some TACs increase noncancer health risk due to long-term (chronic) exposures. A hazard index less than one (1.0) means that adverse health effects are not expected. Within this analysis, noncarcinogenic exposures of less than 1.0 are considered less than significant. The exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. DPM has established cancer risk factors and relative exposure values for long-term chronic health hazard impacts. No short-term, acute relative exposure values are established and regulated and are therefore not addressed in this assessment.

Dudek evaluated the Project's potential cancer and noncancer health impacts using exposure periods appropriate to evaluate long-term emission increases (third trimester of pregnancy to 30 years). Emissions dispersion of DPM was modeled using AERMOD, then cancer risk and noncancer health impacts subsequently using the CARB HARP2 (ADMRT, Version 22118). The health risk results were then compared to SDAQMD thresholds to assess Project significance. Principal parameters of this modeling are presented in Table 8.

Table 8. Operational Health Risk Assessment American Meteorological Society/U.S. Environmental Protection Agency Regulatory Model Operational Principal Parameters

Parameter	Details
Meteorological Data	The latest three-year meteorological data (2019–2021) for the Lexington Elementary School Station were obtained from SDAPCD as the recommended meteorological station and input to AERMOD.
Terrain Characteristics	The elevation of the modeled site is about 100 meters above sea level. Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. Digital elevation data were imported into AERMOD, and elevations were assigned to the emission sources and receptors. Digital elevation data were obtained through AERMOD View in the U.S. Geological Survey's National Elevation Dataset format with a 10-meter resolution.
Emission Sources and Release Parameters	Air dispersion modeling of off-site and on-site truck travel and were conducted using emissions generated using EMFAC2021. Truck idling equipment emissions were estimated using EMFAC2021.

Table 8. Operational Health Risk Assessment American Meteorological Society/U.S. Environmental Protection Agency Regulatory Model Operational Principal Parameters

Parameter	Details
Source Release Characterizations	Off-site and on-site truck travel were modeled as a line of adjacent volume sources, with a release height of 3.4 meters, a plume height of 6.8 meters, and a plume width of 13.4 meters. The truck idling emissions were modeled as a line of adjacent volume sources with a plume height of 8 meters, plume width of 8.6 meters, and release height of 4 meters. Emergency Fire-Water Pump Engine was modeled as a point source exiting the warehouse roof, with stack height of 55 feet and stack diameter of 8 inches.

Source: See Appendix B.
Note: AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model

Combined Construction and Operational Health Risk Analysis

While The SDAQMD does not specifically recommend a combined construction and operational HRA, the analysis provided for informational purposes. The combined HRA analysis adds each common receptor impacts of construction and operation together to form a combined impact. The operational health risk analysis begins after construction HRA at approximately 15 months and concludes at a combined 30 years.

2.5 Impact Analysis

2.5.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?

Analysis

As stated in Section 4.3, Local, SDAPCD and SANDAG are responsible for developing and implementing the clean air plans for attainment and maintenance of the NAAQS and CAAQS in the SDAB; specifically, the SIP and RAQS.[5] The federal O_3 maintenance plan, which is part of the SIP, was adopted in 2016. The SIP includes a demonstration that current strategies and tactics will maintain acceptable air quality in the SDAB based on the NAAQS. The RAQS was initially adopted in 1991 and is updated every 3 years. The RAQS outlines SDAPCD's plans and control measures designed to attain the CAAQS for O_3. The SIP and RAQS rely on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in San Diego County and the cities in the County, to project future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by San Diego County and the cities in the County as part of the development of their general plans.

The most recent update, the 2022 Regional Air Quality Strategy, was finalized in 2023. The 2022 RAQS contains strategies to continue directly reducing emissions of ozone precursors in San Diego County, and assist in reducing particulate matter and Greenhouse Gases as a co-benefit. Consistent with the District's recent reorganization pursuant to Assembly Bill (AB) 423 (Gloria, 2019), the 2022 RAQS also proposes to expand the District's

[5] For the purpose of this discussion, the relevant federal air quality plan is the O_3 maintenance plan (SDAPCD 2016b). The RAQS is the applicable plan for purposes of state air quality planning. Both plans reflect growth projections in the SDAB.

involvement as a regional agency within our regulatory authority, by including commitments to support research and innovation opportunities, developing new partnerships with public and private entities, convening more opportunities for engagement and education with stakeholders, and integrating environmental justice and equity into all District actions.

If a project proposes development that is greater than that anticipated in the local plan and SANDAG's growth projections, the project might be in conflict with the SIP and RAQS and may contribute to a potentially significant cumulative impact on air quality. The City of Santee General Plan identifies the site as Light Industrial. The existing land use designation and zoning allows for wide range of industrial uses, including warehouse, storage and distribution facilities. The Project is consistent with the underlying land use and zoning for the Project.

Conclusion

The Project is consistent with the underlying land use and zoning for the Project site. Therefore, the Project source emissions are not anticipated to result in air quality impacts that were not previously envisioned in the growth projections and RAQS and implementation of the Project would not result in development in excess of that anticipated in local plans or increases beyond those contemplated by SANDAG. Because the proposed land uses and associated vehicle trips are anticipated in local air quality plans, the Project would be consistent at a regional level with the underlying growth forecasts in the RAQS. Accordingly, the Project would not conflict with and would not obstruct implementation of applicable local and regional air quality plans; impacts would be **less than significant**.

2.5.2 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and SDAPCD develops and implements plans for future attainment of the NAAQS and CAAQS. Based on these considerations, project-level thresholds of significance for criteria pollutants are relevant in the determination of whether the project's individual emissions would have a cumulatively significant impact on air quality.

Construction

Construction of the Project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (vendor and haul truck trips, and worker vehicle trips). Construction emissions can vary substantially day to day, depending on the level of activity, the specific type of operation, and for dust, the prevailing weather conditions.

Criteria air pollutant emissions associated with construction activities were quantified using CalEEMod Default values provided by the program were used where detailed Project information was not available. A detailed description of the construction schedule—including information regarding phasing, equipment used during each phase, haul trucks, vendor trucks, and worker vehicles—is included in Section 2.4.2. above.

Development of the Project would generate air pollutant emissions from entrained dust, off-road equipment, vehicle emissions, asphalt pavement application, and architectural coatings. Fugitive dust would be limited through

compliance with SDAPCD Rule 55, which requires the restriction of visible emissions of fugitive dust beyond the property line through watering exposed areas of the Project site at least 2 times per day and limiting vehicle travel to ten miles per hour on unpaved roads.

Table 9 shows the estimated maximum unmitigated daily construction emissions associated with the conceptual construction phases of the Project. Complete details of the emissions calculations are provided in Appendix A, *Air Quality and Greenhouse Gas Emissions CalEEMod Output Files*.

Table 9. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions

Construction Year	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
2024	1.26	31.6	36.4	0.12	16.35	3.24
2025	58.80	11.4	21.6	0.03	1.52	0.46
Maximum	**58.80**	**31.6**	**36.4**	**0.12**	**16.35**	**3.24**
SDAPCD threshold	*75*	*250*	*550*	*250*	*100*	*55*
Threshold exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SDAPCD = San Diego Air Pollution Control District.
See Appendix A for complete results.
The values shown are the maximum summer or winter daily emissions results from CalEEMod.

As shown in Table 9, daily construction emissions for the Project would not exceed SDAPCD's significance thresholds for any criteria air pollutant. Therefore, the Project would have a **less than significant impact** related to emissions of criteria air pollutant emissions during construction.

Operations

Operation of the Project would generate VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$ emissions from mobile sources (vehicle trips), cargo handling equipment, area sources (consumer products, landscape maintenance equipment), routine maintenance of the emergency fire-water pump engine and energy sources. As discussed in Section 2.4.2., pollutant emissions associated with long-term operations were quantified using CalEEMod and include warehouse land use. Future tenants/users are not yet known, nevertheless, the SDAPCD has the air permitting authority for any stationary sources that may be identified by future tenants. The Project includes an onsite fire-water pump engine and associated emissions were estimated with CalEEMod. Project-generated mobile source emissions were estimated in CalEEMod based on project-specific trip rates. CalEEMod default values were used to estimate emissions from the Project area and energy sources. The Project includes project design features (PDFs) that require the cargo handling equipment including forklifts (forklifts and pallet jacks) and yard tractors for facility operation to be Tier 4 Interim engines or better.

Table 10 presents the unmitigated maximum daily emissions associated with the operation of the Project in 2025 after all phases of construction have been completed. Complete details of the emissions calculations are provided in Appendix A, *Air Quality and Greenhouse Gas Emissions CalEEMod Output Files*. Emissions represent maximum of summer and winter for each source regardless of season. "Summer" emissions are representative of the conditions that may occur during the O_3 season (May 1 to October 31), and "winter" emissions are representative of the conditions that may occur during the balance of the year (November 1 to April 30).

Table 10. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Area	8.99	0.11	13.1	<0.005	0.02	0.02
Energy	0.07	1.18	0.99	0.01	0.09	0.09
Mobile	2.25	18.0	25.90	0.17	8.58	2.38
Stationary (Fire-water pump engine)	0.82	2.29	2.09	<0.005	0.12	0.12
Off-Road (Cargo Handling)	0.86	23.00	39.60	0.05	0.11	0.11
Total	***12.99***	***44.58***	***81.68***	***0.23***	***8.92***	***2.72***
SDAPCD threshold	*75*	*250*	*550*	*250*	*100*	*55*
Threshold exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SDAPCD = San Diego Air Pollution Control District. <0.01 = reported value is less than 0.01.
See Appendix A for complete results.
The values shown are the maximum summer or winter daily emissions results from CalEEMod.

As shown in Table 10, daily operational emissions for the Project would not exceed SDAPCD's significance thresholds for any criteria air pollutant. Therefore, operation of the Project would not result in a net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard; impacts due to Project operation would be **less than significant.**

Conclusion

In analyzing cumulative impacts from a project, the analysis must specifically evaluate the project's contribution to the cumulative increase in pollutants for which the SDAB is designated as nonattainment for the CAAQS and NAAQS. If the project does not exceed thresholds and is determined to have less than significant project-specific impacts, it may still contribute to a significant cumulative impact on air quality if the emissions from the project components, in combination with the emissions from other proposed or reasonably foreseeable future projects, are in excess of established thresholds. However, the Project would only be considered to have a significant cumulative impact if its contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a "cumulatively considerable contribution" to the cumulative air quality impact).

Additionally, for the SDAB, the RAQS serves as the long-term regional air quality planning document for the purpose of assessing cumulative operational emissions within the basin to ensure the SDAB continues to make progress toward NAAQS and CAAQS attainment status. As such, cumulative projects located in the San Diego region would have the potential to result in a cumulative impact to air quality if, in combination, they would conflict with or obstruct implementation of the RAQS. Similarly, individual projects that are inconsistent with the regional planning documents on which the RAQS is based would have the potential to result in cumulative impacts if they represent development beyond regional projections.

The SDAB has been designated as a federal nonattainment area for O_3 and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. PM_{10} and $PM_{2.5}$ emissions associated with construction generally result in near-field impacts. The nonattainment status is the result of cumulative emissions from all sources of these air pollutants and their precursors within the SDAB. As shown in Tables 7 and 8, the emissions of all criteria pollutants from the Project's

construction would be below the significance levels. Construction would be short term, temporary in nature, and activities would be considered typical of an industrial project. Once construction is completed, construction-related emissions would cease. Operational emissions generated by the Project would not result in emissions that exceed significance thresholds for any criteria air pollutant. As such, the Project would result in less than significant impacts to air quality.

Regarding long-term cumulative operational emissions in relation to consistency with local air quality plans, the SIP and RAQS serve as the primary air quality planning documents for the state and SDAB, respectively. The SIP and RAQS rely on SANDAG growth projections based on population, vehicle trends, and land use plans developed by the cities and by the County as part of the development of their general plans. Therefore, projects that propose development that is consistent with the growth anticipated by local plans would be consistent with the SIP and RAQS and would not be considered to result in cumulatively considerable impacts from operational emissions. As discussed in Section 2.5.1 of this report, the Project is consistent with the SANDAG growth projections. Thus, it would be consistent at a regional level with the underlying growth forecasts in the SIP and RAQS.

As a result, the Project would not result in a cumulatively considerable contribution to regional O_3 concentrations or other criteria pollutant emissions. Cumulative impacts for construction and operation would be **less than significant** for the Project.

2.5.3 Would the Project expose sensitive receptors to substantial pollutant concentrations?

Carbon Monoxide Hotspots

Regionally, project-related travel will add to regional trip generation and increase the vehicle miles traveled within the SDAB. Locally, project traffic will be added to the City's roadway system. If such traffic occurs during periods of poor atmospheric ventilation, consists of a large number of vehicles "cold-started" and operating at pollution-inefficient speeds, and operates on roadways already crowded with non-project traffic, there is a potential for the formation of microscale CO "hotspots" in the area immediately around points of congested traffic. Because of continued improvement in mobile emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the basin is steadily decreasing.

Projects contributing to adverse traffic impacts at high congested intersections may result in the formation of CO hotspots. To determine whether the Project would not cause or contribute to a violation of the CO standard, a screening evaluation of the potential for CO hotspots was conducted. The County's CO hotspot screening guidance (County of San Diego 2007) was followed to determine whether the Project would require a site-specific hotspot analysis. Per guidance, any project that would place receptors within 500 feet of a signalized intersection operating at or below LOS E (peak-hour trips exceeding 3,000 trips) must conduct a "hotspot" analysis for CO. Likewise, projects that will cause road intersections to operate at or below a LOS E (i.e., with intersection peak-hour trips exceeding 3,000) will also have to conduct a CO "hotspot" analysis. As presented in the Transportation Impact Study (Appendix I), the following intersections were analyzed:

Roadway Segments:

- Magnolia Avenue, south of Mission Gorge - Woodside Avenue

- Woodside Avenue, between Magnolia Avenue and Woodside Avenue
- Woodside Avenue, between Woodside Avenue to Project Driveway

Intersections:

- Magnolia Avenue/SR-52 EB Off-Ramps
- Magnolia Avenue/SR-52 WB On-Ramp - SR-67 SB On-Ramp
- Magnolia Avenue - Mission Gorge Road/Woodside Avenue
- Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp
- Hartley Road/Woodside Avenue
- Wheatlands Avenue/Woodside Avenue
- Project Access Driveway/Woodside Avenue

As presented in the Transportation Impact Study (Appendix I), with the exception of the Magnolia Avenue - Mission Gorge Road/Woodside Avenue intersection and the Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection, all study area roadway segments and intersections would continue to operate at satisfactory levels of service (LOS D or better) under Near Term plus Project conditions. However, for the Magnolia Avenue - Mission Gorge Road/Woodside Avenue intersection the proposed project would not increase the delay by more than 2 seconds and therefore, not exceed the City's criteria for project specific traffic effect under Horizon Year plus Project conditions. No improvements are required, and as such, no impacts are expected for the formation of adverse CO hotspots.

As presented in the Transportation Impact Study (Appendix I) the proposed project would result in a traffic effect at the N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection, under Existing plus Project, Near Term plus Project conditions, and Horizon Year plus Project conditions, The project would construct a missing segment of sidewalk along N. Woodside Avenue near the N. Woodside Avenue/Woodside Avenue - SR-67 SB Off-Ramp intersection and near the project driveway, for a total of 990 linear feet or approximately 0.2 miles. The project would also be responsible for pavement rehabilitation and restriping of N. Woodside Avenue to the satisfaction of the City Engineer from Caltrans right-of-way at the intersection of the SR-67 to the easternmost edge of the project driveway's intersection with N. Woodside Avenue. In addition, the project would install approximately 1,240 SF of new roadway to fill in an unpaved area between the edge of the existing roadway and the new proposed sidewalk. Although this improvement would not reduce delay or improve LOS at the Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection, it would improve non-vehicular circulation and pavement conditions along Woodside Avenue and would be considered an acceptable improvement by the City in lieu of improving delay or LOS at the intersection.

In addition, at the time that the South Coast Air Quality Management District (SCAQMD) Handbook (SCAQMD 1993) was published, the South Coast Air Basis (SCAB) was designated nonattainment under the CAAQS and NAAQS for CO. In 2007, the SCAQMD was designated in attainment for CO under both the CAAQS and NAAQS as a result of the steady decline in CO concentrations in the SCAB due to turnover of older vehicles, introduction of cleaner fuels,

and implementation of control technology on industrial facilities. The SCAQMD conducted CO modeling for the 2003 AQMP[6] (SCAQMD 2003b) for the four worst-case intersections in the SCAB:

1. Wilshire Boulevard and Veteran Avenue
2. Sunset Boulevard and Highland Avenue
3. La Cienega Boulevard and Century Boulevard
4. Long Beach Boulevard and Imperial Highway

At the time the 2003 AQMP was prepared, the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County, with an average daily traffic volume of about 100,000 vehicles per day. The 2003 AQMP projected 8-hour CO concentrations at these four intersections for 1997 and from 2002 through 2005. From years 2002 through 2005, the maximum 8-hour CO concentration was 3.8 parts per million at the Sunset Boulevard and Highland Avenue intersection in 2002 and the maximum 8-hour CO concentration was 3.4 parts per million at the Wilshire Boulevard and Veteran Avenue in 2002.

Accordingly, CO concentrations at congested intersections would not exceed the 1-hour or 8-hour CO CAAQS unless projected daily traffic would be at least over 100,000 vehicles per day. While the project is not located in in the SCAB, similar localized ambient impacts can be expected near intersections regardless of location. The Project estimated horizon year plus Project intersection volumes results in 27,100 and 26,620 daily total vehicles for AM and PM conditions, see Appendix A. Because the project is not anticipated to increase daily traffic volumes at N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection more than 100,000 vehicles per day, a CO hotspot is not anticipated to occur.

Therefore, the Project would not generate traffic that would contribute to potential adverse traffic impacts that may result in the formation of CO hotspots and no hotspot analysis is required. Based on these considerations, the Project would not expose sensitive receptors to substantial CO concentrations; impacts based on CO exposure would be **less than significant**.

Toxic Air Contaminants

Construction Health Risk

In addition to impacts from criteria pollutants, project impacts may include emissions of pollutants identified by the state and federal government as TACs or HAPs. The greatest potential for TAC emissions during construction would be DPM emissions from heavy equipment operations and heavy-duty trucks, and the associated health impacts to sensitive receptors. Construction of the Project would occur over a period of approximately 15 months. The closest sensitive receptors to the Project site are single-family residences to the north of the site and north of the San Diego River and single and multifamily residential units south of the Project site and south of Highway 67. As such, a construction health risk analysis was performed for the Project as discussed below.

Table 11 summarizes the results of the HRA for Project construction, and detailed results are provided in Appendix B, *Health Risk Assessment Output Files*.

6 SCAQMD's CO hotspot modeling guidance has not changed since 2003.

Table 11. Construction Activity Health Risk Assessment Results - Unmitigated

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Offsite				
Cancer Risk	Per Million	1.39	10.0	Less than Significant
Chronic Hazard Index – Residential	Not Applicable	0.0012	1.0	Less than Significant

Source: Appendix B
Notes: CEQA = California Environmental Quality Act; HIC = Chronic Hazard Index.

The results of the HRA demonstrate that the TAC exposure from construction diesel exhaust emissions would result in cancer risk on site less than the 10 in 1 million threshold, as well as Chronic Hazard Index less than 1.0. Therefore, TAC emissions from construction of the Project would not expose sensitive receptors to substantial pollutant concentrations and would result in a **less than significant** impact.

Operational Health Risk

As discussed in Section 4.2.3, an HRA was performed to estimate the Maximum Individual Cancer Risk and Chronic Hazard Index for residential receptors associated with Project operations. Results of the operational HRA are presented in Table 12.

Table 12. Operational Health Risk Assessment Results - Unmitigated

Impact Parameter	Units	Impact Level	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk – Residential	Per Million	3.80	10	Less than Significant
Chronic Hazard Index – Residential	Index Value	0.00146	1.0	Less than Significant.

Source: Appendix B.
Notes: CEQA = California Environmental Quality Act

As shown in Table 12, the DPM emissions from operation of the Project would result in a Residential Maximum Individual Cancer Risk of 3.80 in 1 million and a Residential Chronic Hazard Index of 0.00146.

The results of the HRA demonstrate that the TAC exposure from operational diesel exhaust emissions would result in cancer risk less than the 10 in 1 million threshold and Chronic Hazard Index less than 1. Therefore, operation of the Project would not expose sensitive receptors to substantial pollutant concentrations; impacts would be **less than significant.**

Combined Construction and Operational Health Risk

As discussed, a combined construction and operational HRA was performed to estimate the Maximum Individual Cancer Risk and Chronic Hazard Index for residential receptors associated with the Project. Results of the combined HRA are presented in Table 13.

Table 13. Combined Construction and Operational Health Risk Assessment Results - Unmitigated

Impact Parameter	Units	Impact Level	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk – Residential	Per Million	5.14	10	Less than Significant
Chronic Hazard Index – Residential	Index Value	0.0027	1.0	Less than Significant.

Source: Appendix B.
Notes: CEQA = California Environmental Quality Act

As shown in Table 13, the DPM emissions from the combined construction and operation of the Project would result in a Residential Maximum Individual Cancer Risk of in 5.14 million and a Residential Chronic Hazard Index of 0.0027.

The results of the combined construction and operational HRA demonstrate that the TAC exposure from diesel exhaust emissions would result in cancer risk less than the 10 in 1 million threshold and Chronic Hazard Index less than 1. Therefore, the Project would not expose sensitive receptors to substantial pollutant concentrations; impacts would be **less than significant.**

Health Effects of Criteria Air Pollutants

As demonstrated, construction and operation of the Project would not result in emissions that exceed SDAPCD's emission thresholds for any criteria air pollutants. The SDAPCD thresholds are based on SDAB compliance with the NAAQS and CAAQS which are protective of public health; therefore, no adverse effects to human health would result from the Project. The following provides a general discussion of criteria air pollutants and their health effects.

Some VOCs would be associated with motor vehicles and construction equipment, while others are associated with architectural coatings and asphalt off-gassing, the emissions of which would not result in exceedances of SDAPCD's thresholds. SDAPCD Rule 67.0.1 restricts the VOC content of coatings for both construction and operational applications.

VOCs and NO_x are precursors to O_3, for which the SDAB is designated as nonattainment with respect to certain NAAQS and CAAQS standards (the SDAB is designated by EPA as an attainment area for the 1-hour O_3 NAAQS standard and 1997 8-hour NAAQS standard). The health effects associated with O_3, as discussed in Section 2.1.4, Criteria Air Pollutants, are generally associated with reduced lung function. The contribution of VOCs and NO_x to regional ambient O_3 concentrations is the result of complex photochemistry, with increases in O_3 concentrations in the SDAB due to precursor emissions found downwind from the source location. However, the potential for exacerbating excessive O_3 concentrations would also depend on the time of year that the VOC emissions would occur because exceedances of the O_3 NAAQS and CAAQS tend to occur between April and October, when solar radiation is highest. The effect of a single project's emissions of O_3 precursors is speculative due to the lack of quantitative methods to assess this impact. VOC and NO_x emissions associated with Project construction would only negligibly contribute to regional O_3 concentrations and the associated health impacts. Accordingly, the Project would not expose sensitive receptors to substantial concentrations of VOCs and NO_x; health impacts would be **less than significant.**

Health effects associated with CO include chest pain in patients with heart disease, headache, light-headedness, and reduced mental alertness (CARB 2019). CO tends to be a localized impact associated with congested intersections. CO

hotspots were discussed previously as a less than significant impact. Thus, the proposed Project's CO emissions would not contribute to the health effects associated with this pollutant. Health impacts would be **less than significant**.

Construction of the Project would not exceed thresholds for PM_{10} or $PM_{2.5}$ and would not contribute to exceedances of the NAAQS and CAAQS for particulate matter. As noted above, PM_{10} or $PM_{2.5}$ emissions during both construction and operation of the Project would be less than the applicable SDAPCD threshold. Accordingly, the Project would not expose sensitive receptors to substantial concentrations of PM_{10} or $PM_{2.5}$; health impacts would be **less than significant**.

Nitrogen oxides (NOx) is a term used to describe the sum of nitric oxide (NO), nitrogen dioxide (NO2), and other oxides of nitrogen. As such, NO2 is a constituent of NOx. Construction of the Project would not contribute to exceedances of the NAAQS and CAAQS for NO2 since NOx emissions would be less than the applicable SDAPCD threshold. As discussed above, the SDAPCD thresholds are based on SDAB compliance with the NAAQS and CAAQS, which are protective of public health; therefore, no adverse effects to human health would result from emissions below threshold. As described in Section 3.1, NO2 health impacts are associated with respiratory irritation, which may be experienced by nearby receptors during the periods of heaviest use of off-road construction equipment. However, these operations would be relatively short term, and the off-road construction equipment would be operating on various portions of the site and would not be concentrated in one portion of the site at any one time. Accordingly, the Project would not expose sensitive receptors to substantial pollutant concentrations of NO2; impacts would be **less than significant**.

Conclusion

The results of the HRA demonstrate that TAC exposure from construction and operational diesel exhaust emissions would not result in cancer risk above the 10 in 1 million threshold, nor a Chronic Hazard Index greater than 1.0. In addition, VOC and NO_x emissions would negligibly contribute to regional O_3 concentrations and the associated health effects. In addition to O_3, NO_x emissions would not contribute to potential exceedances of the NAAQS and CAAQS for NO_2. As shown in Table 3, the existing NO_2 concentrations in the area are well below the NAAQS and CAAQS standards. Thus, the Project's operational NO_x emissions are not expected to result in exceedances of the NO_2 standards or contribute to the associated health effects. CO tends to be a localized impact associated with congested intersections. The associated CO "hotspots" were discussed previously as a less than significant impact. Thus, the Project's CO emissions would not contribute to significant health effects associated with this pollutant. PM_{10} and $PM_{2.5}$ would not contribute to potential exceedances of the NAAQS and CAAQS for particulate matter and would not obstruct the SDAB from coming into attainment for these pollutants and would not contribute to significant health effects associated with particulates. Therefore, overall health impacts associated with criteria air pollutants would be considered **less than significant**.

2.5.4 Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Construction

The State of California Health and Safety Code, Division 26, Part 4, Chapter 3, Section 41700 SDAPCD Rule 51, and the City's Municipal Code prohibit emissions from any source whatsoever in such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to the public health or damage to property.

Projects required to obtain permits from SDAPCD are evaluated by SDAPCD staff for potential odor nuisance, and conditions may be applied (or control equipment required) where necessary to prevent occurrence of public nuisance. Odors would be generated from vehicles and/or equipment exhaust emissions during construction of the Project. Odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment and architectural coatings. Such odors are temporary and for the types of construction activities anticipated for Project components, would generally occur at magnitudes that would not affect substantial numbers of people. In addition, there are no adjacent sensitive receptors to the Project site, the closest sensitive receptors are approximately 0.15 mile north and south of the Project site. Therefore, construction of the Project would not result in odors that would adversely affect a substantial number of people, and impacts associated with odors during construction would be **less than significant**.

Operational

SDAPCD Rule 51 (Nuisance) also prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any person. A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors. Odor issues are very subjective by the nature of odors themselves and due to the fact that their measurements are difficult to quantify. As a result, this guideline is qualitative, and will focus on the existing and potential surrounding uses and location of sensitive receptors.

Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, there are no quantitative or formulaic methodologies to determine if potential odors would have a significant impact. Examples of land uses and industrial operations that are commonly associated with odor complaints include agricultural uses, wastewater treatment plants, food processing facilities, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding facilities. In addition to the odor source, the distance between the sensitive receptor(s) and the odor source, as well as the local meteorological conditions, are considerations in the potential for a project to frequently expose the public to objectionable odors. Although localized air quality impacts are focused on potential impacts to sensitive receptors, such as residences and schools, other land uses where people may congregate (e.g., workplaces) or uses with the intent to attract people (e.g., restaurants and visitor-serving accommodations) should also be considered in the evaluation of potential odor nuisance impacts. The Project would not include operations of agricultural uses, wastewater treatment plants, food processing facilities, chemical plants, composting, refineries, landfills, dairies, or fiberglass molding facilities, as such is not expected to produce any nuisance odors due to its operation. In the event the Project is required to obtain a permit from SDAPCD, SDAPCD staff review the Project for potential odor nuisance, and conditions may be applied (or control equipment required) where necessary to prevent occurrence of public nuisance. Therefore, operation of the Project would not result in odors that would adversely affect a substantial number of people, impacts related to odors during operation would be **less than significant**.

3 Greenhouse Gas Emissions

3.1 Environmental Setting

3.1.1 Climate Change Overview

Climate change refers to any significant change in measures of climate, such as temperature, precipitation, or wind patterns, lasting for an extended period of time (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the sun's energy reaching Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2022b).

The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process as follows: Short-wave radiation emitted by the Sun is absorbed by the Earth; the Earth emits a portion of this energy in the form of long-wave radiation; and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on the Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of the Earth's climate shows that the climate system varies naturally over a wide range of time scales and that in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. Recent climate changes, in particular the warming observed over the past century, however, cannot be explained by natural causes alone. Rather, it is extremely likely that human activities have been the dominant cause of that warming since the mid-20th century and is the most significant driver of observed climate change (IPCC 2014; EPA 2022b). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2014). Continued emissions of GHGs will cause further warming and changes in all components of the climate system, which is discussed further in Section 3.1.5, Potential Effects of Climate Change.

3.1.2 Greenhouse Gases and other Climate Forcing Substances

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. GHGs include, but are not limited to, carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), ozone (O_3), water vapor, hydrofluorocarbons (HFCs), hydrochlorofluorocarbons (HCFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6).[7] Some GHGs, such as CO_2, CH_4, and N_2O, occur naturally and are emitted to the atmosphere through natural processes and human activities. Of these gases, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Manufactured GHGs, which have a much greater heat-absorption

[7] California Health and Safety Code 38505 identifies seven GHGs that the California Air Resource Board is responsible to monitor and regulate to reduce emissions: CO_2, CH_4, N_2O, SF_6, HFCs, PFCs, and NF_3.

potential than CO_2, include fluorinated gases, such as HFCs, HCFCs, PFCs, and SF_6, are associated with certain industrial products and processes. A summary of the most common GHGs and their sources is included in the following text.[8] Also included is a discussion of other climate forcing substances.

Carbon Dioxide (CO_2). CO_2 is a naturally occurring gas and a by-product of human activities and is the principal anthropogenic GHG that affects the Earth's radiative balance. Natural sources of CO_2 include respiration of bacteria, plants, animals, and fungus; evaporation from oceans; volcanic out-gassing; and decomposition of dead organic matter. Human activities that generate CO_2 are from the combustion of fuels such as coal, oil, natural gas, and wood and changes in land use.

Methane (CH_4). CH_4 is produced through both natural and human activities. CH_4 is a flammable gas and is the main component of natural gas. Methane is produced through anaerobic (without oxygen) decomposition of waste in landfills, flooded rice fields, animal digestion, decomposition of animal wastes, production and distribution of natural gas and petroleum, coal production, and incomplete fossil fuel combustion.

Nitrous Oxide (N_2O). N_2O is produced through natural and human activities, mainly through agricultural activities and natural biological processes, although fuel burning and other processes also create N_2O. Sources of N_2O include soil cultivation practices (microbial processes in soil and water), especially the use of commercial and organic fertilizers, manure management, industrial processes (such as in nitric acid production, nylon production, and fossil-fuel-fired power plants), vehicle emissions, and using N_2O as a propellant (such as in rockets, racecars, and aerosol sprays).

Fluorinated Gases. Fluorinated gases (also referred to as F-gases) are synthetic powerful GHGs emitted from many industrial processes. Fluorinated gases are commonly used as substitutes for stratospheric ozone-depleting substances (e.g., CFCs, HCFCs, and halons). The most prevalent fluorinated gases include the following:

- **Hydrofluorocarbons:** HFCs are compounds containing only hydrogen, fluorine, and carbon atoms. HFCs are synthetic chemicals used as alternatives to ozone-depleting substances in serving many industrial, commercial, and personal needs. HFCs are emitted as by-products of industrial processes and are used in manufacturing.
- **Perfluorocarbons:** PFCs are a group of human-made chemicals composed of carbon and fluorine only. These chemicals were introduced as alternatives, with HFCs, to the ozone depleting substances. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Since PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere, these chemicals have long lifetimes, ranging between 10,000 and 50,000 years.
- **Sulfur Hexafluoride:** SF_6 is a colorless gas soluble in alcohol and ether and slightly soluble in water. SF_6 is used for insulation in electric power transmission and distribution equipment, semiconductor manufacturing, the magnesium industry, and as a tracer gas for leak detection.
- **Nitrogen Trifluoride:** NF_3 is used in the manufacture of a variety of electronics, including semiconductors and flat panel displays.

[8] The descriptions of GHGs are summarized from the Intergovernmental Panel on Climate Change (IPCC) Second Assessment Report (1995), IPCC Fourth Assessment Report (2007), California Air Resource Board's Glossary of Air Pollution Terms (2015), and EPA's Glossary of Climate Change Terms (2016).

Chlorofluorocarbons (CFCs). CFCs are synthetic chemicals that have been used as cleaning solvents, refrigerants, and aerosol propellants. CFCs are chemically unreactive in the lower atmosphere (troposphere) and the production of CFCs was prohibited in 1987 due to the chemical destruction of stratospheric O_3.

Hydrochlorofluorocarbons (HCFCs). HCFCs are a large group of compounds, whose structure is very close to that of CFCs—containing hydrogen, fluorine, chlorine, and carbon atoms—but including one or more hydrogen atoms. Like HFCs, HCFCs are used in refrigerants and propellants. HCFCs were also used in place of CFCs for some applications; however, their use in general is being phased out.

Black Carbon. Black carbon is a component of fine particulate matter, which has been identified as a leading environmental risk factor for premature death. It is produced from the incomplete combustion of fossil fuels and biomass burning, particularly from older diesel engines and forest fires. Black carbon warms the atmosphere by absorbing solar radiation, influences cloud formation, and darkens the surface of snow and ice, which accelerates heat absorption and melting. Black carbon is a short-lived species that varies spatially, which makes it difficult to quantify the global warming potential. Diesel particulate matter emissions are a major source of black carbon and are toxic air contaminates (TACs) that have been regulated and controlled in California for several decades to protect public health. In relation to declining diesel particulate matter from the California Air Resources Board's (CARB's) regulations pertaining to diesel engines, diesel fuels, and burning activities, CARB estimates that annual black carbon emissions in California have reduced by 70% between 1990 and 2010, with 95% control expected by 2020 (CARB 2014).

Water Vapor. The primary source of water vapor is evaporation from the ocean, with additional vapor generated by sublimation (change from solid to gas) from ice and snow, evaporation from other water bodies, and transpiration from plant leaves. Water vapor is the most important, abundant, and variable GHG in the atmosphere and maintains a climate necessary for life.

Ozone (O_3). Tropospheric O_3, which is created by photochemical reactions involving gases from both natural sources and human activities, acts as a GHG. Stratospheric O_3, which is created by the interaction between solar ultraviolet radiation and molecular oxygen (O_2), plays a decisive role in the stratospheric radiative balance. Depletion of stratospheric O_3, due to chemical reactions that may be enhanced by climate change, results in an increased ground-level flux of ultraviolet-B radiation.

Aerosols. Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light.

3.1.3 Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo) (EPA 2022b). The Intergovernmental Panel on Climate Change (IPCC) developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of 1 kilogram of

a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons (MT) CO_2 equivalent (MT CO_2e).

The current version of the CalEEMod (version 2022.1.1.19)[9] assumes that the GWP for CH_4 is 25 (so emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the IPCC Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the Project.

3.1.4 Sources of Greenhouse Gas Emissions

Global Inventory

Anthropogenic GHG emissions worldwide in 2019 (the most recent year for which data is available) totaled approximately 52,400 million metric tons (MMT) of CO_2e, excluding land use change and forestry (PBL 2020). The top six GHG emitters include China, the United States, the Russian Federation, India, Japan, and the European Union, which accounted for approximately 62% of the total global emissions, or approximately 32,500 MMT CO_2e (PBL 2020). Table 14 presents the top GHG-emissions-producing countries.

Table 14. Six Top GHG Producer Countries

Emitting Countries	2019 GHG Emissions (MMT CO_2e)[a,b]
China	14,000
United States	6,600
European Union	4,300
India	3,700
Russian Federation	2,500
Japan	1,400
Total	**32,500**

Source: PBL 2020.
Notes: MMT CO_2e = million metric tons of carbon dioxide equivalent.
[a] Column may not add due to rounding.
[b] GHG emissions do not include land use change and forestry-related GHG emissions.

National Inventory

Per the EPA Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990 to 2019 (EPA 2021), total United States GHG emissions were approximately 6,558.3 MMT CO_2e in 2019 (EPA 2021). The primary GHG emitted by human activities in the United States was CO_2, which represented approximately 80.1% of total GHG emissions (5,255.8 MMT CO_2e). The largest source of CO_2, and of overall GHG emissions, was fossil-fuel combustion, which accounted for approximately 92.4% of CO_2 emissions in 2019 (4,856.7 MMT CO_2e). Relative to 1990, gross United States GHG emissions in 2019 were 1.8% higher; however, the gross emissions were down from a high of 15.6% above

[9] CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform to calculate construction and operational emissions from land use development projects. The model was developed for the California Air Pollution Control Officers Association in collaboration with multiple air districts across the state. Numerous lead agencies in the state, including SDAPCD, use CalEEMod to estimate greenhouse gas emissions in accordance with CEQA Guidelines Section 15064.4(a)(1). CalEEMod Version 2022.1.1.19 was used for project analysis.

1990 levels in 2007. GHG emissions decreased from 2018 to 2019 by 1.7% (113.1 MMT CO_2e) and overall, net emissions in 2019 were 13% below 2005 levels (EPA 2021).

State Inventory

According to California's 2000–2019 GHG emissions inventory (2021 edition), California emitted approximately 418 MMT CO_2e in 2019, including emissions resulting from out-of-state electrical generation (CARB 2022d). The sources of GHG emissions in California include transportation, industry, electric power production from both in-state and out-of-state sources, residential and commercial activities, agriculture, high-GWP substances, and recycling and waste. Table 15 presents California GHG emission source categories and their relative contributions to the emissions inventory in 2019.

Table 15. GHG Emissions Sources in California

Source Category	Annual GHG Emissions (MMT CO_2e)	Percent of Total*
Transportation	166.1	39.7%
Industrial	88.2	21.1%
Electric power	58.8	14.1%
Commercial and residential	43.8	10.5%
Agriculture	31.8	7.6%
High global-warming potential substances	20.6	4.9%
Recycling and waste	8.9	2.1%
Total	**418.2**	**100%**

Source: CARB 2022d.
Notes: GHG = greenhouse gas; MMT CO_2e = million metric tons of carbon dioxide equivalent.
* Column may not add due to rounding.

Between 2000 and 2019, per-capita GHG emissions in California have dropped from a peak of 14.0 MT CO_2e per person in 2001 to 10.5 MT CO_2e per person in 2019, representing an approximate 25% decrease. In addition, total GHG emissions in 2019 were approximately 7 MMT CO_2e lower than 2018 emissions (CARB 2022d).

Local Inventories

According to the GHG inventory data compiled by the Energy Policy Initiative Center, in 2012, the County (as defined to include all cities therein and unincorporated County areas) emitted 34.7 MMT CO_2e (EPIC 2015). As outlined in Table 16, San Diego County GHG Emissions by Sectors, on-road transportation generated 37% of these emissions.

Table 16. San Diego County GHG Emissions by Sectors

Source Category	Annual GHG Emissions (MMT CO_2e)	Percent of Total
On-road transportation	13.14	37.2
Electricity generation	7.97	22.6
Natural gas end uses	2.84	8.0
Heavy Duty Trucks & Vehicles	1.89	5.4

Table 16. San Diego County GHG Emissions by Sectors

Source Category	Annual GHG Emissions (MMT CO_2e)	Percent of Total
Solid Waste	1.75	4.9
Other Fuels	1.64	4.6
Industrial	1.43	4.1
Aviation	1.37	3.9
Off-Road	0.92	2.6
Wildfire	0.81	2.3
Other – Thermal Cogeneration	0.64	1.8
Water	0.52	1.5
Wastewater	0.16	0.5
Rail	0.11	0.3
Agriculture	0.08	0.2
Marine Vessels	0.05	0.1
Development and Sequestration	(0.65)	N/A
Total	**34.67**	**100**

Source: EPIC 2015.
Notes: GHG = greenhouse gas; MMT CO_2e = million metric tons of carbon dioxide equivalent per year

The 2013 emissions inventory for the City is shown in Table 17 below.

Table 17. City of Santee Community-Wide GHG Emissions by Sectors for 2013

Source Category	Annual GHG Emissions (MT CO_2e)	Percent of Total
On-Road Transportation	242,499	60.24
Residential Energy	78,651	19.54
Commercial Energy	48,025	11.93
Solid Waste	11,151	2.77
Water	6,578	1.63
Off-Road Source	14,699	3.65
Wastewater	971	0.24
Total	**402,574**	**100**

Source: City of Santee 2019.
Notes: GHG emissions for each category are rounded. Sums may not add up to totals due to rounding.

3.1.5 Potential Effects of Climate Change

Globally, climate change has the potential to affect numerous environmental resources through uncertain impacts related to future air temperatures and precipitation patterns. The 2014 IPCC Synthesis Report indicated that warming of the climate system is unequivocal and since the 1950s, many of the observed changes are unprecedented over decades to millennia. Signs that global climate change has occurred include warming of the atmosphere and ocean, diminished amounts of snow and ice, and rising sea levels (IPCC 2014).

In California, climate change impacts have the potential to affect sea-level rise, agriculture, snowpack and water supply, forestry, wildfire risk, public health, frequency of severe weather events, and electricity demand and supply. The primary effect of global climate change has been a rise in average global tropospheric temperature. Reflecting the long-term warming trend since pre-industrial times, observed global mean surface temperature for the decade 2006–2015 was 0.87°C (1.6°F) (likely between 0.75°C [1.4°F] and 0.99°C [1.8°F]) higher than the average over the 1850–1900 period (IPCC 2018). Scientific modeling predicts that continued emissions of GHGs at or above current rates would induce more extreme climate changes during the twenty-first century than were observed during the twentieth century. Human activities are estimated to have caused approximately 1.0°C (1.8°F) of global warming above pre-industrial levels(pre-industrial base period being years 1850–1900), with a likely range of 0.8°C to 1.2°C (1.4°F to 2.2°F) (IPCC 2018). Global warming is likely to reach 1.5°C (2.7°F) between 2030 and 2052 if it continues to increase at the current rate (IPCC 2018).

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. The Office of Environmental Health Hazard Assessment identified various indicators of climate change in California, which are scientifically based measurements that track trends in various aspects of climate change. Many indicators reveal discernible evidence that climate change is occurring in California and is having significant, measurable impacts in the state. Changes in the state's climate have been observed, including an increase in annual average air temperature with record warmth from 2012 to 2016, more frequent extreme heat events, more extreme drought, a decline in winter chill, an increase in cooling degree days and a decrease in heating degree days, and an increase in variability of statewide precipitation (OEHHA 2018).

Warming temperatures and changing precipitation patterns have altered California's physical systems—the ocean, lakes, rivers, and snowpack—upon which the state depends. Winter snowpack and spring snowmelt runoff from the Sierra Nevada and southern Cascade Mountains provide approximately one-third of the state's annual water supply. Impacts of climate on physical systems have been observed such as high variability of snow-water content (i.e., amount of water stored in snowpack), decrease in snowmelt runoff, glacier change (loss in area), rise in sea levels, increase in average lake water temperature and coastal ocean temperature, and a decrease in dissolved oxygen in coastal waters (OEHHA 2018).

Impacts of climate change on biological systems, including humans, wildlife, and vegetation, have also been observed, including climate change impacts on terrestrial, marine, and freshwater ecosystems. As with global observations, species responses include those consistent with warming: elevational or latitudinal shifts in range, changes in the timing of key plant and animal life cycle events, and changes in the abundance of species and in community composition. Humans are better able to adapt to a changing climate than plants and animals in natural ecosystems. Nevertheless, climate change poses a threat to public health as warming temperatures and changes in precipitation can affect vector-borne pathogen transmission and disease patterns in California as well as the variability of heat-related deaths and illnesses. In addition, since 1950, the area burned by wildfires each year has followed an increasing trend overall.

The CNRA has released four California Climate Change Assessments (2006, 2009, 2012, and 2018), which have addressed the following: acceleration of warming across the state, more intense and frequent heat waves, greater riverine flows, accelerating sea level rise, more intense and frequent drought, more severe and frequent wildfires, more severe storms and extreme weather events, shrinking snowpack and less overall precipitation, and ocean acidification, hypoxia, and warming. A summary of current and future climate change impacts to resource areas in

California, as discussed in the Safeguarding California: Reducing Climate Risk (CNRA 2014), is provided in the following text.

Agriculture. The impacts of climate change on the agricultural sector are far more severe than the typical variability in weather and precipitation patterns that occur year to year. Some of the specific challenges faced by the agricultural sector and farmers include more drastic and unpredictable precipitation and weather patterns; extreme weather events that range from severe flooding to extreme drought, to destructive storm events; significant shifts in water availably and water quality; changes in pollinator lifecycles; temperature fluctuations, including extreme heat stress and decreased chill hours; increased risks from invasive species and weeds, agricultural pests and plant diseases; and disruptions to the transportation and energy infrastructure supporting agricultural production. These challenges and associated short-term and long-term impacts can have both positive and negative effects on agricultural production. Nonetheless, it is predicted that current crop and livestock production will suffer long-term negative effects resulting in a substantial decrease in the agricultural sector if not managed or mitigated.

Biodiversity and Habitat. The state's extensive biodiversity stems from its varied climate and assorted landscapes, which have resulted in numerous habitats where species have evolved and adapted over time. Specific climate change challenges to biodiversity and habitat include species migration in response to climatic changes, range shift, and novel combinations of species; pathogens, parasites and disease; invasive species; extinction risks; changes in the timing of seasonal life-cycle events; food web disruptions; and threshold effects (i.e., a change in the ecosystem that results in a "tipping point" beyond which irreversible damage or loss has occurs). Habitat restoration, conservation, and resource management across California and through collaborative efforts amongst public, private and nonprofit agencies has assisted in the effort to fight climate change impacts on biodiversity and habitat. One of the key measures in these efforts is ensuring species' ability to relocate as temperature and water availability fluctuate as a result of climate change, based on geographic region.

Energy. The energy sector provides California residents with a supply of reliable and affordable energy through a complex integrated system. Specific climate change challenges for the energy sector include temperature, fluctuating precipitation patterns, increasing extreme weather events and sea level rise. Increasing temperatures and reduced snowpack negatively impact the availability of a steady flow of snowmelt to hydroelectric reservoirs. Higher temperatures also reduce the capacity of thermal power plants since power plant cooling is less efficient at higher ambient temperatures. Natural gas infrastructure in coastal California is threatened by sea level rise and extreme storm events.

Forestry. Forests occupy approximately 33% of California's 100 million acres and provide key benefits such as wildlife habitat, absorption of CO_2, renewable energy and building materials. The most significant climate change related risk to forests is accelerated risk of wildfire and more frequent and severe droughts. Droughts have resulted in more large-scale mortalities and combined with increasing temperatures have led to an overall increase in wildfire risks. Increased wildfire intensity subsequently increases public safety risks, property damage, fire suppression and emergency response costs, watershed and water quality impacts and vegetation conversions. These factors contribute to decreased forest growth, geographic shifts in tree distribution, loss of fish and wildlife habitat and decreased carbon absorption. Climate change may result in increased establishment of non-native species, particularly in rangelands where invasive species are already a problem. Invasive species may be able to exploit temperature or precipitation changes, or quickly occupy areas denuded by fire, insect mortality or other climate change effects on vegetation.

Ocean and Coastal Ecosystems and Resources. Sea level rise, changing ocean conditions and other climate change stressors are likely to exacerbate long-standing challenges related to ocean and coastal ecosystems in addition to threatening people and infrastructure located along the California coastline and in coastal communities. Sea level rise in addition to more frequent and severe coastal storms and erosion are threatening vital infrastructure such as roads, bridges, power plants, ports and airports, gasoline pipes, and emergency facilities, as well as negatively impacting the coastal recreational assets such as beaches and tidal wetlands. Water quality and ocean acidification threaten the abundance of seafood and other plant and wildlife habitats throughout California and globally.

Public Health. Climate change can impact public health through various environmental changes and is the largest threat to human health in the twenty-first century. Changes in precipitation patterns affect public health primarily through potential for altered water supplies, and extreme events such as heat, floods, droughts, and wildfires. Increased frequency, intensity and duration of extreme heat and heat waves is likely to increase the risk of mortality due to heat related illness as well as exacerbate existing chronic health conditions. Other extreme weather events are likely to negatively impact air quality and increase or intensify respiratory illness such as asthma and allergies. Additional health impacts that may be impacted by climate change include cardiovascular disease, vector-borne diseases, mental health impacts, and malnutrition injuries. Increased frequency of these ailments is likely to subsequently increase the direct risk of injury and/or mortality.

Transportation. Residents of California rely on airports, seaports, public transportation and an extensive roadway network to gain access to destinations, goods and services. While the transportation industry is a source of GHG emissions it is also vulnerable to climate change risks. Particularly, sea level rise and erosion threaten many coastal California roadways, airports, seaports, transit systems, bridge supports, and energy and fueling infrastructure. Increasing temperatures and extended periods of extreme heat threaten the integrity of the roadways and rail lines. High temperatures cause the road surfaces to expand which leads to increased pressure and pavement buckling. High temperatures can also cause rail breakages, which could lead to train derailment. Other forms of extreme weather events, such as extreme storm events, can negatively impact infrastructure which can impair movement of peoples and goods, or potentially block evacuation routes and emergency access roads. Increased wildfires, flooding, erosion risks, landslides, mudslides, and rockslides can all profoundly impact the transportation system and pose a serious risk to public safety.

Water. Water resources in California support residences, plants, wildlife, farmland, landscapes and ecosystems and bring trillions of dollars in economic activity. Climate change could seriously impact the timing, form, amount of precipitation, runoff patterns, and frequency and severity of precipitation events. Higher temperatures reduce the amount of snowpack and lead to earlier snowmelt, which can impact water supply availability, natural ecosystems and winter recreation. Water supply availability during the intense dry summer months is heavily dependent on the snowpack accumulated during the wintertime. Increased risk of flooding has a variety of public health concerns including water quality, public safety, property damage, displacement and post-disaster mental health problems. Prolonged and intensified droughts can also negatively groundwater reserves and result in increased overdraft and subsidence. Droughts can also negatively impact agriculture and farmland throughout the state. The higher risk of wildfires can lead to increased erosion, which can negatively impact watersheds and result in poor water quality. Water temperatures are also prone to increase, which can negatively impact wildlife that rely on a specific range of temperatures for suitable habitat.

In addition to the potential statewide effects of climate change, to address local and regional governments need for information to support action in their communities, the CNRA Fourth Assessment includes reports for nine

regions of the state, including the San Diego Region, where the Project is located. Key projected climate changes for the San Diego Region include the following (CNRA 2019):

- Temperature is projected to increase substantially, along with mean temperature, heat wave frequency will increase, with more intensity and longer duration.
- Precipitation will remain highly variable but will change in character, with wetter winters, drier springs, and more frequent and severe droughts punctuated by more intense individual precipitation events.
- Wildfire risk will increase in the future as climate warms. The risk for large catastrophic wildfires driven by Santa Ana wind events will also likely increase as a result of a drier autumns leading to low antecedent precipitation before the height of the Santa Ana wind season.
- The sea level along San Diego County is expected to rise. High tides combined with elevated shoreline water levels produced by locally and distantly driven wind-driven waves will drive extreme events. Longer-term sea level will increase rapidly in the second half of the century and will be punctuated by short periods of storm-driven extreme sea levels that will imperil existing infrastructure, structures, and ecosystems with increasing frequency.

3.2 Regulatory Setting

3.2.1 Federal

Massachusetts v. EPA. In *Massachusetts v. EPA* (April 2007), the U.S. Supreme Court directed the EPA administrator to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. In December 2009, the administrator signed a final rule with the following two distinct findings regarding GHGs under Section 202(a) of the federal Clean Air Act (CAA):

- **Endangerment Finding:** The Administrator found that elevated concentrations of GHGs—CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6—in the atmosphere threaten the public health and welfare of current and future generations.
- **Cause or Contribute Finding:** The Administrator further found the combined emissions of GHGs—CO_2, CH_4, N_2O, and HFCs—from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare.

These two findings were necessary to establish the foundation for regulation of GHGs from new motor vehicles as air pollutants under the CAA.

Energy Independence and Security Act. The Energy Independence and Security Act of 2007 mandate the following measures to reduce national GHG emissions:

1. Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel by 2022.
2. Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and direct the National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.

3. Prescribe or reverse standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

Federal Vehicle Standards. 2007, the Bush Administration issued Executive Order (EO) 13432 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016 (75 FR 25324–25728).

In 2010, President Barack Obama issued a memorandum directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO_2 by model year 2025 on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021 (77 FR 62624–63200). On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks (EPA 2022c).

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018 (76 FR 57106–57513). The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6%–23% over the 2010 baselines.

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO_2 emissions by approximately 1.1 billion MT and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program (EPA and NHTSA 2016).

In August 2018, the EPA and NHTSA proposed to amend certain fuel economy and GHG standards for passenger cars and light trucks and establish new standards for model years 2021 through 2026. Compared to maintaining the post-2020 standards in place at the time, the 2018 proposal would increase U.S. fuel consumption by about half a million barrels per day (2%–3% of total daily consumption, according to the Energy Information Administration) and would impact the global climate by 3/1000th of 1°C by 2100 (EPA and NHTSA 2018).

In 2019, the EPA and NHTSA published the Safer Affordable Fuel-Efficient Vehicles Rule Part One: One National Program (SAFE-1), which revoked California's authority to set its own GHG emissions standards and set zero-emission vehicle (ZEV) mandates in California. In March 2020, Part Two was issued which set CO2 emissions standards and corporate average fuel economy standards for passenger vehicles and light-duty trucks for model years 2021 through 2026. In March 2022, EPA reinstated California's authority under the Clean Air Act to

implement its own GHG emission standards and ZEV sales mandate. EPA's March 2022 action concludes its reconsideration of the 2019 SAFE-1 rule by finding that the actions taken under the previous administration as a part of SAFE-1 were decided in error and are now entirely rescinded.

The Inflation Reduction Act was signed into law by President Biden in August 2022. The bill includes specific investment in energy and climate reform and is projected to reduce GHG emissions within the U.S. by 40 percent as compared to 2005 levels by 2030. The bill allocates funds to boost renewable energy infrastructure (e.g., solar panels and wind turbines), includes tax credits for the purchase of electric vehicles, and includes measures that will make homes more energy efficient.

3.2.2 State

The statewide GHG emissions regulatory framework is summarized below by category: state climate change targets, building energy, renewable energy and energy procurement, mobile sources, solid waste, water, and other state regulations and goals. The following describes executive orders, legislation, regulations, and other plans and policies that would directly or indirectly reduce GHG emissions and/or address climate change issues.

State Climate Change Targets

Executive Order S-3-05. EO S-3-05 (June 2005) established the following statewide goals: GHG emissions should be reduced to 2000 levels by 2010, GHG emissions should be reduced to 1990 levels by 2020, and GHG emissions should be reduced to 80% below 1990 levels by 2050.

EO S-3-05 also directed the California EPA to report biannually on progress made toward meeting the GHG targets and the impacts to California due to global warming, including impacts to water supply, public health, agriculture, the coastline, and forestry. The Climate Action Team (CAT) was formed, which subsequently issued reports from 2006 to 2010 (CAT 2016).

Assembly Bill 32. In furtherance of the goals established in EO S-3-05, the legislature enacted AB 32 (Núñez and Pavley). The bill is referred to as the California Global Warming Solutions Act of 2006 (September 27, 2006). AB 32 provided initial direction on creating a comprehensive multiyear program to limit California's GHG emissions at 1990 levels by 2020 and initiate the transformations required to achieve the state's long-range climate objectives.

Assembly Bill 1279. The Legislature enacted AB 1279, the California Climate Crisis Act, in September 2022. The bill declares the policy of the state to achieve net zero GHG emissions as soon as possible, but no later than 2045, and achieve and maintain net negative GHG emissions thereafter. Additionally, the bill requires that by 2045, statewide anthropogenic GHG emissions be reduced to at least 85% below 1990 levels.

Assembly Bill 1757. AB 1757 (September 2022) requires the CNRA to determine a range of targets for natural carbon sequestration, and for nature-based climate solutions that reduce GHG emissions for future years 2030, 2038, and 2045. These targets are to be determined by no later than January 1, 2024, and are established to support the state's goals to achieve carbon neutrality and foster climate adaptation and resilience.

Executive Order B-55-18. EO B-55-18 (September 2018) establishes a statewide policy to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net-negative emissions thereafter. The goal is an addition to the existing statewide targets of reducing the state's GHG emissions. CARB will work with relevant

state agencies to ensure that future scoping plans identify and recommend measures to achieve the carbon neutrality goal.

California Air Resources Board's Climate Change Scoping Plan. One specific requirement of AB 32 was for CARB to prepare a scoping plan for achieving the maximum technologically feasible and cost-effective GHG emission reductions by 2020 (Health and Safety Code Section 38561[a]), and to update the plan at least once every 5 years. In 2008, CARB approved the first scoping plan. The Climate Change Scoping Plan: A Framework for Change (Scoping Plan) included a mix of recommended strategies that combined direct regulations, market-based approaches, voluntary measures, policies, and other emission reduction programs calculated to meet the 2020 statewide GHG emissions limit and initiate the transformations needed to achieve the state's long-range climate objectives. The key elements of the Scoping Plan include the following (CARB 2008):

1. Expanding and strengthening existing energy efficiency programs, as well as building and appliance standards.
2. Achieving a statewide renewable energy mix of 33%.
3. Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and caps sources contributing 85% of California's GHG emissions.
4. Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets.
5. Adopting and implementing measures pursuant to existing state laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard (17 CCR 95480 et seq.).
6. Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation.

The Scoping Plan also identified local governments as essential partners in achieving California's goals to reduce GHG emissions because they have broad influence and, in some cases, exclusive authority over activities that contribute to significant direct and indirect GHG emissions through their planning and permitting processes, local ordinances, outreach and education efforts, and municipal operations. Specifically, the Scoping Plan encouraged local governments to adopt a reduction goal for municipal operations, and for community emissions to reduce GHGs by approximately 15% from 2008 levels by 2020. Many local governments developed community-scale local GHG reduction plans based on this Scoping Plan recommendation.

In 2014, CARB approved the first update to the Scoping Plan. The First Update to the Climate Change Scoping Plan: Building on the Framework (First Update) defined the state's GHG emission reduction priorities for the next 5 years, and laid the groundwork to start the transition to the post-2020 goals set forth in EO S-3-05 and EO B-16-2012. The First Update concluded that California is on track to meet the 2020 target but recommended a 2030 mid-term GHG reduction target be established to ensure a continuum of action to reduce emissions. The First Update recommended a mix of technologies in key economic sectors to reduce emissions through 2050, including energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient

and clean energy technologies. As part of the First Update, CARB recalculated the state's 1990 emissions level, using more recent GWPs identified by the IPCC, from 427 MMT CO_2e to 431 MMT CO_2e (CARB 2014).

In 2015, as directed by EO B-30-15, CARB began working on an update to the Scoping Plan to incorporate the 2030 target of 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050 as set forth in EO S-3-05. The governor called on California to pursue a new and ambitious set of strategies, in line with the five climate change pillars from his inaugural address, to reduce GHG emissions and prepare for the unavoidable impacts of climate change. In the summer of 2016, the legislature affirmed the importance of addressing climate change through passage of SB 32 (see below).

In December 2017, CARB adopted California's 2017 Climate Change Scoping Plan (2017 Scoping Plan) for public review and comment (CARB 2017). The 2017 Scoping Plan builds on the successful framework established in the initial Scoping Plan and First Update while identifying new, technologically feasible and cost-effective strategies that will serve as the framework to achieve the 2030 GHG target as established by SB 32 and define the state's climate change priorities to 2030 and beyond. The strategies' commitments include implementing renewable energy and energy efficiency strategies (including the mandates of SB 350), increasing stringency of the Low Carbon Fuel Standard, implementing measures identified in the Mobile Source and Freight Strategies, implementing measures identified in the proposed Short-Lived Climate Pollutant Reduction Strategy, and increasing stringency of SB 375 targets. To fill the gap in additional reductions needed to achieve the 2030 target, it recommends continuing the Cap-and-Trade Program and a measure to reduce GHGs from refineries by 20%.

For local governments, the 2017 Scoping Plan replaced the initial Scoping Plan's 15% reduction goal with a recommendation to aim for a community-wide goal of no more than 6 MT CO_2e per capita by 2030, and no more than 2 MT CO_2e per capita by 2050, which are consistent with the state's long-term goals. These goals are also consistent with the Under 2 Memorandum of Understanding (Under 2 2016) and the Paris Agreement, which are developed around the scientifically based levels necessary to limit global warming to below 2°C. The 2017 Scoping Plan recognized the benefits of local government GHG planning (e.g., through CAPs) and provided more information regarding tools CARB was developing in support those efforts. It also recognized the CEQA streamlining provisions for project-level review where there is a legally adequate CAP.[10] The most recent CARB 2022 Scoping Plan Update outlines the state's plan to reduce emissions and achieve carbon neutrality by 2045 in alignment with AB 1279 and assesses progress toward the 2030 SB 32 target (CARB 2022). As such, given that SB 32 and AB 1279 are the relevant GHG emission targets, the CARB 2017 and 2022 Scoping Plan Updates that outline the strategy to achieve those targets, are the most applicable to the Project. The 2022 Scoping Plan Update builds upon and accelerates programs currently in place, including moving to zero-emission transportation; phasing out use of fossil gas use for heating homes and buildings; reducing chemical and refrigerants with high GWP; providing communities with sustainable options for walking, biking, and public transit; and displacement of fossil-fuel fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines) (CARB 2022).. A project is considered consistent with the statutes and executive orders if it meets the general policies in reducing GHG emissions to facilitate the achievement of the state's goals and does not impede attainment of those goals. A project would be consistent if it will further the objectives and not obstruct their attainment.

[10] *Sierra Club v. County of Napa* (2004) 121 Cal.App.4th 1490; *San Francisco Tomorrow et al. v. City and County of San Francisco* (2015) 229 Cal.App.4th 498; *San Franciscans Upholding the Downtown Specific Plan v. City and County of San Francisco* (2002) 102 Cal.App.4th 656; *Sequoyah Hills Homeowners Assn. v. City of Oakland* (1993) 23 Cal.App.4th 704, 719.

Executive Order B-30-15. EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under EO S-3-05 and AB 32. EO B-30-15 set an interim target goal of reducing statewide GHG emissions to 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing statewide GHG emissions to 80% below 1990 levels by 2050, as set forth in EO S-3-05. To facilitate achievement of this goal, EO B-30-15 calls for an update to CARB's Scoping Plan to express the 2030 target in terms of MMT CO_2e. The executive order also calls for state agencies to continue to develop and implement GHG emissions reduction programs in support of the reduction targets. Sector-specific agencies in transportation, energy, water, and forestry were required to prepare GHG reduction plans by September 2015, followed by a report on action taken in relation to these plans in June 2016. EO B-30-15 does not require local agencies to take any action to meet the new interim GHG reduction target.

Senate Bill 32 and Assembly Bill 197. SB 32 and AB 197 (enacted in 2016) are companion bills that set a new statewide GHG reduction targets, make changes to CARB's membership and increase legislative oversight of CARB's climate change-based activities, and expand dissemination of GHG and other air-quality-related emissions data to enhance transparency and accountability. More specifically, SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40% below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly to provide ongoing oversight over implementation of the state's climate policies. AB 197 also added two members of the Legislature to CARB as nonvoting members; requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and requires CARB to identify specific information for GHG emissions reduction measures when updating the Scoping Plan.

Senate Bill 605 and Senate Bill 1383. SB 605 (2014) required CARB to complete a comprehensive strategy to reduce emissions of short-lived climate pollutants in the state, and SB 1383 (2016) required CARB to approve and implement that strategy by January 1, 2018. The Short-Lived Climate Pollutants Reduction Strategy was approved by CARB in March 2017, and lays out a range of options to reduce short-lived climate pollutant emissions in California, including regulations, incentives, and other market-supporting activities. SB 1383 also establishes specific targets for the reduction of short-lived climate pollutants (40% below 2013 levels by 2030 for CH_4 and HFCs, and 50% below 2013 levels by 2030 for anthropogenic black carbon), and provides direction for reductions from dairy and livestock operations and landfills. Accordingly, and as mentioned above, CARB adopted its Short-Lived Climate Pollutant Reduction Strategy in March 2017. This strategy establishes a framework for the statewide reduction of emissions of black carbon, CH_4, and fluorinated gases.

Senate Bill 1020. SB 1020 (September 2022) revises the standards from SB 100, requiring the following percentage of retail sales of electricity to California end-use customers come from eligible renewable energy resources and zero-carbon resources:

- 90% by December 31, 2035
- 95% by December 31, 2040
- 100% by December 31, 2045

Building Energy

Title 24, Part 6. Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. Although not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically established Building Energy Efficiency Standards that are designed to ensure new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. These energy efficiency standards are reviewed every few years by the Building Standards Commission and California Energy Commission (CEC) and revised if necessary (California Public Resources Code [PRC] Section 25402[b][1]). The regulations receive input from members of industry and the public, with the goal of "reducing of wasteful, uneconomic, inefficient, or unnecessary consumption of energy" (PRC Section 25402). These regulations are carefully scrutinized and analyzed for technological and economic feasibility (PRC Section 25402[d]) and cost effectiveness (PRC Sections 25402[b][2] and [b][3]). As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The 2019 Title 24 standards are the currently applicable building energy efficiency standards, and became effective on January 1, 2020. The 2019 Title 24 Building Energy Efficiency Standards will further reduce energy used and associated GHG emissions compared to prior standards. In general, single-family residences built to the 2019 standards are anticipated to use approximately 7% less energy due to energy efficiency measures than those built to the 2016 standards; once rooftop solar electricity generation is factored in, single-family residences built under the 2019 standards will use approximately 53% less energy than those under the 2016 standards (CEC 2018). Nonresidential buildings built to the 2019 standards are anticipated to use an estimated 30% less energy than those built to the 2016 standards (CEC 2018).

The 2022 Title 24 standards will improve upon the 2019 standards for new construction of, and additions and alterations to, residential and nonresidential buildings. The CEC adopted the 2022 Title 24 Energy Code in August 2021 and the California Building Standards Commission approved incorporating the updated code into the California Building Standards Code (CALGreen) in December 2021. The 2022 Energy Code went into effect on January 1, 2023. The 2022 Energy Code focuses on four key areas in newly constructed homes and businesses:

- Encouraging electric heat pump technology for space and water heating, which consumes less energy and produces fewer emissions than gas-powered units.
- Establishing electric-ready requirements for single-family homes to position owners to use cleaner electric heating, cooking, and electric vehicle (EV) charging options whenever they choose to adopt those technologies.
- Expanding solar photovoltaic (PV) system and battery storage standards to make clean energy available onsite and complement the state's progress toward a 100% clean electricity grid.
- Strengthening ventilation standards to improve indoor air quality.

Title 24, Part 11. In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as California's Green Building Standards (CALGreen), and establishes minimum mandatory standards and voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards took effect in January 2011 and instituted mandatory minimum

environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings, schools, and hospitals. The CALGreen 2019 standards, which are the current standards, became effective January 1, 2020.

The 2022 standards will improve upon the 2019 standards for new construction of, and additions and alterations to, residential and nonresidential buildings. The CEC updates the Title 24 Energy Code every 3 years. The CEC adopted the 2022 Title 24 Energy Code in August 2021 and the California Building Standards Commission approved incorporating the updated code into the California Building Standards Code (CALGreen) in December 2021. The 2022 Energy Code went into effect on January 1, 2023. When compared to the 2019 Title 24 Standards, the 2022 amendments include measures that will further reduce energy use in single family, multifamily, and nonresidential buildings, through the following strategies (CEC 2021a):

- New prescriptive and performance standards for electric heat pumps for space conditioning and water heating, as appropriate for the various climate zones in California,
- Require PV and battery storage systems for newly constructed multifamily and selected nonresidential buildings,
- Updated efficiency measures for lighting, building envelope, HVAC, and

Improvements to reduce the energy loads of certain equipment covered by (i.e., subject to the requirements of) the Energy Code that perform a commercial process that is not related to the occupant needs in the building (such as refrigeration equipment in refrigerated warehouses, or air conditioning for computer equipment in data processing centers).

Title 20. Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. Performance of appliances must be certified through the CEC to demonstrate compliance with standards. New appliances regulated under Title 20 include refrigerators, refrigerator-freezers, and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwaters; clothes washers and dryers; cooking products; electric motors; low voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems. Title 20 presents protocols for testing for each type of appliance covered under the regulations, and appliances must meet the standards for energy performance, energy design, water performance, and water design. Title 20 contains three types of standards for appliances: federal and state standards for federally regulated appliances, state standards for federally regulated appliances, and state standards for non-federally regulated appliances.

Assembly Bill 1109. Enacted in 2007, AB 1109 required the CEC to adopt minimum energy efficiency standards for general-purpose lighting to reduce electricity consumption by 50% for indoor residential lighting and by 25% for indoor commercial lighting.

Senate Bill 1. SB 1 (Murray) (August 2006) established a $3 billion rebate program for the installation of rooftop solar energy systems with a generation capacity of 3,000 megawatts through 2016. SB 1 added sections to the Public Resources Code, including Chapter 8.8 (California Solar Initiative), that require building projects applying for ratepayer-funded incentives for photovoltaic systems to meet minimum energy efficiency levels and performance requirements. Section 25780 established that it is a goal of the state to establish a self-sufficient solar industry.

The goals included establishing solar energy systems as a viable mainstream option for homes and businesses within 10 years of adoption, and placing solar energy systems on 50% of new homes within 13 years of adoption.

Assembly Bill 1470. This bill established the Solar Water Heating and Efficiency Act of 2007. AB 1470 makes findings and declarations of the Legislature relating to the promotion of solar water heating systems and other technologies that reduce natural gas demand. AB 1470 defines several terms for purposes of the act. The bill required a commission to evaluate the data available from a specified pilot program, and to design and implement a program of incentives for the installation of 200,000 solar water heating systems in homes and businesses throughout the state by 2017.

Renewable Energy and Energy Procurement

Senate Bill 1078 (2002) established the Renewables Portfolio Standard (RPS) program, which requires an annual increase in renewable generation by the utilities. Initially, the RPS required utilities to obtain 20% of their power from renewable sources by 2010. SB X1-2 (2011) subsequently expanded the RPS by establishing that 33% of the total electricity sold to retail customers in California per year by December 31, 2020, and in subsequent years, be secured from qualifying renewable energy sources. SB 350 (2015) further expanded the RPS by establishing that 50% of the total electricity sold to retail customers in California per year by December 31, 2030, be secured from qualifying renewable energy sources. And SB 100 (2018) further accelerated the RPS, requiring achievement of a 50% RPS by December 31, 2026, and a 60% RPS by December 31, 2030. SB 100 also established a new state policy goal that calls for eligible renewable energy resources and zero-carbon resources to supply 100% of electricity retail sales and 100% of electricity procured to serve all state agencies by December 31, 2045.

Under the program, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation of 30 megawatts or less, digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location.

Mobile Sources

State Vehicle Standards. Assembly Bill 1493 (July 2002) was enacted in response to the transportation sector accounting for more than one-half of California's CO_2 emissions. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles that are primarily used for noncommercial personal transportation in the state. AB 1493 required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004. EO B-16-12 (March 2012) required that state entities under the governor's direction and control support and facilitate the rapid commercialization of zero-emissions vehicles. It ordered CARB, CEC, the California Public Utilities Commission, and other relevant agencies to work with the Plug-In Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to help achieve goals by 2015, 2020, and 2025. On a statewide basis, EO B-16-12 established a target reduction of GHG emissions from the transportation sector equaling 80% less than 1990 levels by 2050. This directive did not apply to vehicles that have special performance requirements necessary for the protection of the public safety and welfare.

Executive Order S-1-07. Issued on January 18, 2007, EO S-1-07 sets a declining Low Carbon Fuel Standard for GHG emissions measured in CO_2e grams per unit of fuel energy sold in California. The initial target of the Low Carbon Fuel Standard was to reduce the carbon intensity of California passenger vehicle fuels by at least 10% by 2020.

The Low Carbon Fuel Standard was subsequently amended in 2018 to require a 20% reduction in carbon intensity by 2030. This new requirement aligns with the California's overall 2030 target of reducing climate changing emissions to 40% below 1990 levels by 2030, set by SB 32. CARB has adopted implementing regulations for both the 10% and 20% carbon intensity reduction targets.

Senate Bill 375. SB 375 (2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 required CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035. Regional metropolitan planning organizations (MPO) are then responsible for preparing a Sustainable Communities Strategy (SCS) within their Regional Transportation Plan (RTP). The goal of the SCS is to establish a forecasted development pattern for the region that, after considering transportation measures and policies, will achieve, if feasible, the GHG reduction targets. If an SCS is unable to achieve the GHG reduction target, a metropolitan planning organization must prepare an Alternative Planning Strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

Pursuant to California Government Code Section 65080(b)(2)(K), an SCS does not regulate the use of land; supersede the land use authority of cities and counties; or require that a city's or county's land use policies and regulations, including those in a general plan, be consistent with it. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated housing element process.

In 2010, CARB adopted the SB 375 targets for the regional MPOs. The targets adopted for SANDAG in 2010 are a 7% reduction in per-capita passenger-vehicle GHG emissions by 2020 and a 13% reduction by 2035, measured relative to 2005 GHG emissions. In 2018, CARB adopted the second round of SB 375 reduction targets, and increased SANDAG's 2020 target to a 15% reduction in per-capita passenger-vehicle GHG emissions, and the 2035 target to a 19% reduction using the same 2005 baseline.

SANDAG completed and adopted its 2050 RTP/SCS in October 2011. In November 2011, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region.

After SANDAG's 2050 RTP/SCS was adopted, a lawsuit was filed challenging EO S-3-05's 2050 goal of an 80% reduction in GHG emissions from 1990 levels. The Supreme Court of California held that the Environmental Impact Report at issue was sufficient to inform the public, based on the information available at the time, about the regional plan's GHG impacts and its potential inconsistency with state climate change goals without including an explicit analysis of the consistency of projected 2050 GHG emissions with the goals in the executive order. (*Cleveland National Forest Foundation v. San Diego Association of Governments* (2017) 3 Cal. 5th 497.)

In 2015, SANDAG adopted the next iteration of its RTP/SCS in accordance with statutorily mandated timelines and no subsequent litigation challenge was filed. More specifically, in October 2015, SANDAG adopted San Diego Forward: The Regional Plan (Regional Plan) (SANDAG 2015). Like the 2050 RTP/SCS, San Diego Forward: Regional Plan meets CARB's 2020 and 2035 reduction targets for the region (SANDAG 2015). In December 2015, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region. The Regional Plan was updated in 2021, which was the result of years of planning, data analysis, and community engagement to reimagine

the San Diego region with a transformative transportation system, a sustainable pattern of growth and development, and innovative demand and management strategies (SANDAG 2021).

On February 26, 2021, SANDAG's Board of Directors adopted the final 2021 Regional Transportation Improvement Program (RTIP). The 2021 RTIP covers five fiscal years (FY 2021 through FY 2025) and incrementally implements the SANDAG 2019 Federal Regional Transportation Plan. The 2021 RTIP is designed to implement the region's overall strategy for providing mobility and improving the safety, condition, and efficiency of the transportation system while reducing transportation related air pollution. The 2021 RTIP incrementally implements San Diego Forward: The 2019 Federal Regional Transportation Plan (2019 Federal RTP), the long-range transportation plan for the San Diego region approved by the SANDAG Board of Directors on October 25, 2019.

Advanced Clean Cars Program. The Advanced Clean Cars program (January 2012) is an emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars. To improve air quality, CARB implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that by 2025, cars will emit 75% less smog-forming pollution than the average new car sold in 2012. To reduce GHG emissions, CARB, in conjunction with the EPA and NHTSA, adopted new GHG standards for model year 2017 to 2025 vehicles; the new standards are estimated to reduce GHG emissions by 34% in 2025. The zero-emissions vehicle (ZEV) program will act as the focused technology of the Advanced Clean Cars program by requiring manufacturers to produce increasing numbers of ZEVs and plug-in hybrid electric vehicles in the 2018 to 2025 model years.

Assembly Bill 1236. AB 1236 (October 2015) (Chiu) directs cities and/or counties to approve an application for the installation of electric vehicle charging stations, as defined, through the issuance of specified permits unless the city or county makes specified written findings based on substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. AB 1236 provided for appeal of that decision to the planning commission, as specified. The bill provided that the implementation of consistent statewide standards to achieve the timely and cost-effective installation of electric vehicle charging stations is a matter of statewide concern. The bill required electric vehicle charging stations to meet specified standards. AB 1236 required a city, county, or city and county with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that created an expedited and streamlined permitting process for electric vehicle charging stations. The bill also required a city, county, or city and county with a population of fewer than 200,000 residents to adopt this ordinance by September 30, 2017.

Executive Order B-16-12. EO B-16-12 (2012) directs state entities to support and facilitate development and distribution ZEVs. On a statewide basis, EO B-16-12 also establishes a GHG emissions reduction target from the transportation sector equaling 80% less than 1990 levels by 2050. In furtherance of this executive order, the Governor convened an Interagency Working Group on ZEVs that has published multiple reports regarding the progress made on the penetration of ZEVs in the statewide vehicle fleet.

Senate Bill 350. In 2015, SB 350 – the Clean Energy and Pollution Reduction Act – was enacted into law. As one of its elements, SB 350 establishes a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state's 2030 and 2050 reduction targets (see California Public Utilities Code, Section 740.12).

Solid Waste

Assembly Bill 939, Assembly Bill 341, and Assembly Bill 1826. In 1989, AB 939, known as the Integrated Waste Management Act (PRC Sections 40000 et seq.), was passed because of the increase in waste stream and decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction of waste being disposed of where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25% by 1995 and 50% by 2000.

AB 341 amended the California Integrated Waste Management Act to include a provision declaring that it is the policy goal of the state that not less than 75% of solid waste generated be source-reduced, recycled, or composted by 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the state's policy goal. CalRecycle published a discussion document titled AB 341 Report to the Legislature, which identified five priority strategies that CalRecycle believed would assist the state in reaching the 75% goal by 2020, legislative and regulatory recommendations, and an evaluation of program effectiveness (CalRecycle 2015).

AB 1826 (requires businesses to recycle their organic waste (i.e., food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste) depending on the amount of waste they generate per week. This law also requires local jurisdictions across the state to implement an organic waste recycling program to divert organic waste generated by businesses, including multi-family residential dwellings that consist of five or more units. The minimum threshold of organic waste generation by businesses decreases over time, which means an increasingly greater proportion of the commercial sector will be required to comply.

Water

Executive Order B-29-15. (April 2015) Sets a goal of achieving a statewide reduction in potable urban water usage of 25% relative to water use in 2013. The term of the executive order extended through February 28, 2016, although many of the directives have since become permanent water-efficiency standards and requirements. The executive order includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increased the requirements for landscape water use efficiency and broadened its applicability to include new development projects with smaller landscape areas.

Executive Order B-37-16. Issued May 2016, EO B-37-16 directed the State Water Resources Control Board to adjust emergency water conservation regulations through the end of January 2017 to reflect differing water supply conditions across the state. The State Water Resources Control Board also developed a proposal to achieve a mandatory reduction of potable urban water usage that builds off the mandatory 25% reduction called for in EO B-29-15. The State Water Resources Control Board and Department of Water Resources will develop new, permanent water use targets that build on the existing state law requirements that the state achieve 20% reduction in urban water usage by 2020. EO B-37-16 also specifies that the State Water Resources Control Board permanently prohibit water-wasting practices such as hosing off sidewalks, driveways, and other hardscapes; washing automobiles with hoses not equipped with a shut-off nozzle; using non-recirculated water in fountains and other decorative water features; watering lawns in a manner that causes runoff, or within 48 hours after measurable precipitation; and irrigating ornamental turf on public street medians.

Other State Regulations and Goals

Senate Bill 97. (Dutton) (August 2007) directed the Governor's Office of Planning and Research to develop guidelines under CEQA for the mitigation of GHG emissions. In 2008, the Governor's Office of Planning and Research issued a technical advisory as interim guidance regarding the analysis of GHG emissions in CEQA documents. The advisory indicated that the lead agency should identify and estimate a project's GHG emissions, including those associated with vehicular traffic, energy consumption, water usage, and construction activities (OPR 2007). The advisory further recommended that the lead agency determine significance of the impacts and impose all mitigation measures necessary to reduce GHG emissions to a level that is less than significant. The CNRA adopted the CEQA Guidelines amendments in December 2009, which became effective in March 2010.

Under the amended CEQA Guidelines, a lead agency has the discretion to determine whether to use a quantitative or qualitative analysis or apply performance standards to determine the significance of GHG emissions resulting from a particular project (14 CCR § 15064.4[a]). The CEQA Guidelines require a lead agency to consider the extent to which a project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR § 15064.4[b]). The CEQA Guidelines also allow a lead agency to consider feasible means of mitigating the significant effects of GHG emissions, including reductions in emissions through the implementation of project features or off-site measures. The adopted amendments do not establish a GHG emissions threshold, instead allowing a lead agency to develop, adopt, and apply its own thresholds of significance or those developed by other agencies or experts. The CNRA also acknowledged that a lead agency may consider compliance with regulations or requirements implementing AB 32 in determining the significance of a project's GHG emissions (CNRA 2009a).

With respect to GHG emissions, the CEQA Guidelines state in Section 15064.4(a) that lead agencies should "make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions. The CEQA Guidelines note that an agency may identify emissions by either selecting a "model or methodology" to quantify the emissions or by relying on "qualitative analysis or other performance-based standards" (14 CCR § 15064.4[a]). Section 15064.4(b) states that the lead agency should consider the following when assessing the significance of impacts from GHG emissions on the environment: the extent a project may increase or reduce GHG emissions as compared to the existing environmental setting; whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project; and the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]).

Executive Order S-13-08. EO Order S-13-08 (November 2008) Directs state agencies to take specified actions to assess and plan for global climate change impacts. The final 2009 California Climate Adaptation Strategy report was issued in December 2009 (CNRA 2009b), and an update, Safeguarding California: Reducing Climate Risk, followed in July 2014 (CNRA 2014). To assess the state's vulnerability, the report summarizes key climate change impacts to the state for the following areas: agriculture, biodiversity and habitat, emergency management, energy, forestry, ocean and coastal ecosystems and resources, public health, transportation, and water.

3.2.3 Local

Sustainable Santee Plan

The City adopted the Sustainable Santee Plan in December of 2019 (City of Santee 2019). The Sustainable Santee Plan serves as the City's climate action plan (CAP) with the primary purpose or goals as follows:

1. Present the City's plan for achieving sustainability by utilizing resources efficiently, reducing greenhouse gas emissions, and preparing for potential climate-related impacts.
2. Identify how the City will effectively implement the Sustainable Santee Plan by obtaining funding for program implementation and tracking and monitoring the progress of the Plan implementation over time.
3. Allow streamlined CEQA compliance for new development by preparing an Environmental Impact Report for the Plan and developing tools that provide clear guidance to developers and other project proponents.
4. Maintain economic competitiveness within the region.

The Sustainable Santee Action Plan Project Consistency Checklist (Checklist) is intended to be a tool for development projects to demonstrate consistency with Santee's (City's) Sustainable Santee Action Plan, which is a qualified greenhouse gas (GHG) emissions reduction plan in accordance with California Environmental Quality Act (CEQA) Guidelines Section 15183.5. This Checklist has been developed as part of the Sustainable Santee Action Plan implementation and monitoring process and will support the achievement of individual GHG reduction measures as well as the City's overall GHG reduction goals. In addition, this Checklist will further the City's sustainability goals and policies that encourage sustainable development and aim to conserve and reduce the consumption of resources, such as energy and water, among others.

3.3 Significance Criteria and Methodology

3.3.1 Thresholds of Significance

California has developed guidelines to address the significance of GHG emissions impacts that are contained in Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.). Appendix G provides that a project would have a significant environmental impact if it would:

1. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

The Appendix G thresholds for GHGs do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA (CNRA 2009a). Additional guidance regarding assessment of GHGs is discussed below.

CEQA Guidelines

With respect to GHG emissions, the CEQA Guidelines Section 15064.4(a) states that lead agencies "shall make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions resulting from a project. The CEQA Guidelines note that an agency has the discretion to either quantify a project's GHG emissions or rely on a "qualitative analysis or performance-based standards" (14 CCR 15064.4[a]). A lead agency may use a "model or methodology" to estimate greenhouse gas emissions and has the discretion to select the model or methodology it considers "most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change" (14 CCR 15064.4[c]). The CEQA Guidelines provide that the lead agency should consider the following when determining the significance of impacts from GHG emissions on the environment (14 CCR 15064.4[b]):

1. The extent a project may increase or reduce GHG emissions as compared to the existing environmental setting.
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
3. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

In addition, the CEQA Guidelines specify that "[w]hen adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7[c]).

Approaches to Determining Significance

As discussed above, The Sustainable Santee Action Plan Project Consistency Checklist (Checklist) is intended to be a tool for development projects to demonstrate consistency with Santee's (City's) Sustainable Santee Action Plan, which is a qualified greenhouse gas (GHG) emissions reduction plan in accordance with California Environmental Quality Act (CEQA) Guidelines Section 15183.5. Therefore, the Checklist is used to determine significance in accordance with CEQA Guidelines Section 15183.5; therefore, the Checklist was used to evaluate the Project's significance with respect to GHG emissions. Construction and operational GHG emissions are quantified herein for informational purposes only.

3.3.2 Approach and Methodology

Construction

Construction of the Project would result in emissions of GHG emissions primarily associated with use of off-road construction equipment, on-road haul and vendor (material delivery) truck trips, and worker vehicle trips. As discussed previously in Section 2.4.2, emissions from the construction phase of Project components were estimated using the CalEEMod Version 2022.1.1.4. Per preliminary Project details, it is assumed that construction of the Project would begin in June 2024 and would last approximately 15 months. A detailed depiction of the construction schedule—including information regarding phasing, equipment used during each phase, haul trucks, vendor trucks, and worker vehicles—is included in Section 2.4.2. above, and complete details of the emissions

calculations are provided in Appendix A, *Air Quality and Greenhouse Gas Emissions CalEEMod Output Files*. Con-related GHG emissions were amortized over 30 years and added to operational emissions to assess significance.

Operation

Project operations would generate CO_2, CH_4, and N_2O emissions. Primary emissions sources would include:

- Area Source (landscape and site maintenance activities)
- Energy Source (combustion emissions associated with natural gas and electricity)
- Mobile Source (vehicles)
- On-Site Equipment Emissions
- Solid Waste
- Water Supply, Treatment, and Distribution

Area

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. The emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod. For San Diego County, CalEEMod assumes that landscaping equipment would operate 180 days per year.

Energy

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage (non-hearth). CalEEMod default values for energy consumption were applied to each land use. GHGs are emitted from buildings as a result of activities for which electricity and natural gas are typically used as energy sources. Combustion of any type of fuel emits CO_2 and other GHGs directly into the atmosphere; these emissions are considered direct emissions associated with a building; the building energy use emissions do not include street lighting.[11] The energy use from non-residential land uses is based on various studies and assessments as described in Section 7.3, *Estimating Energy Use from Other Land Uses*, of Appendix A of the CalEEMod User's Guide (CAPCOA 2021).

Annual natural gas and electricity emissions were estimated in CalEEMod using default values for emissions factors for San Diego Gas and Electric (SDG&E), which would be the energy source provider for the Project.

Mobile Sources (Motor Vehicles)

All details for criteria air pollutants discussed in Section 2.0, Air Quality, are also applicable for the estimation of operational mobile source GHG emissions. It was assumed that the warehouse would operate 7 days per week; therefore, 365 days of vehicle emissions were assumed. Regulatory measures related to mobile sources include AB 1493 (Pavley) and related federal standards. AB 1493 required that CARB establish GHG emission standards

[11] The CalEEMod emissions inventory model does not include indirect emission related to street lighting. Indirect emissions related to street lighting are expected to be negligible and cannot be accurately quantified at this time as there is insufficient information as to the number and type of street lighting that would occur.

for automobiles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the state. In addition, the National Highway Traffic Safety Administration and EPA have established corporate fuel economy standards and GHG emission standards, respectively, for automobiles and light-, medium-, and heavy-duty vehicles. Implementation of these standards and fleet turnover (replacement of older vehicles with newer ones) will gradually reduce emissions from the Project's motor vehicles. The effectiveness of fuel economy improvements was evaluated to the extent it was captured in the EMFAC2021 emission factors for motor vehicles in 2025.

On-Site Equipment Source Emissions.

It is common for industrial buildings to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. The most common type of cargo handling equipment forklifts, pallet jacks and yard trucks which are designed for moving cargo containers. Yard trucks are also known as yard goats, utility tractors, hustlers, yard hostlers, and yard tractors. The cargo handling equipment is assumed to have a horsepower (hp) range of approximately 175 hp to 215 hp. For this particular project, based on the maximum square footage of building space permitted by the Project, on-site modeled operational equipment includes a total of 36, Tier4i or better diesel fueled forklifts (forklifts and pallet jacks) and 1 Tier4i or better diesel fueled yard tractors operating at 8 hours a day for 365 days of the year. See Appendix B-2 for detail calculations.

Solid Waste

The Project would generate solid waste, and therefore, result in CO_2e emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation were used to estimate GHG emissions associated with solid waste.

Water and Wastewater

Supply, conveyance, treatment, and distribution of water for the Project require the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater generated by the Project requires the use of electricity for conveyance and treatment, along with GHG emissions generated during wastewater treatment.

For additional details see Appendix A, *Air Quality and Greenhouse Gas Emissions CalEEMod Output File*s.

3.4 Impact Analysis

This section evaluates the GHG emissions impacts associated with the Project. The significance criteria described in Section 3.3.1, Thresholds of Significance, were used to evaluate impacts associated with the construction and operation of the Project.

Threshold 1: ***Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?***

Threshold 2: ***Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?***

As discussed above in Section 3.2.3, the Sustainable Santee Action Plan Project Consistency Checklist (Checklist) is intended to be a tool for development projects to demonstrate consistency with Santee's (City's) Sustainable Santee

Action Plan, which is a qualified greenhouse gas (GHG) emissions reduction plan in accordance with California Environmental Quality Act (CEQA) Guidelines Section 15183.5. This Checklist has been developed as part of the Sustainable Santee Action Plan implementation and monitoring process and will support the achievement of individual GHG reduction measures as well as the City's overall GHG reduction goals. Project-generated GHG emissions were estimated per the methodology described in Section 3.3.2 and are discussed for construction and operation below.

Project GHG Emissions

Construction

Table 18 shows the estimated annual GHG construction emissions associated with the Project. Additional information about methodology and approach are provided above in Section 3.3.2. Complete details of the construction emissions calculations are provided in Appendix A, *Air Quality and Greenhouse Gas Emissions CalEEMod Output Files*.

Table 18. Estimated Annual Construction GHG Emissions

Year	CO_2	CH_4	N_2O	R	CO_2e
	Metric Tons				
2024	499	0.02	0.04	0.32	511
2025	257	0.01	0.01	0.16	261
Total	*756*	*0.03*	*0.05*	*0.48*	*772*
				Amortized Emissions (30 years)	*25.73*

Source: CalEEMod Version 2020.4.0.
Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent; R = refrigerants.
See Appendix A for complete results. <0.01 = reported value is less than 0.01.

As shown in Table 18, the estimated total GHG emissions from construction of the Project would be 772MT CO_2e. When amortized over 30 years, the estimated annual GHG emissions from construction of the Project would be approximately 26 MT CO_2e per year.

Operation

Table 19 shows the estimated annual GHG operational emissions associated with the Project. As discussed above, total annual operational emissions were combined with amortized (30 years) construction emissions and provided for informational purposes only. As shown in Table 19, implementation of the Project would result in approximately 4,573.78 MT CO_2e per year including amortized construction emissions. Complete details of the construction emissions calculations are provided in Appendix A, *Air Quality and Greenhouse Gas Emissions CalEEMod Output Files*.

Table 19. Summary of Estimated Annual GHG Emissions

Emissions Source	MT CO_2	MT CH_4	MT N_2O	R	MT CO_2e
Area	4.38	<0.005	<0.005	-	4.40
Energy	565.00	0.04	<0.005	-	567.00

Table 19. Summary of Estimated Annual GHG Emissions

Emissions Source	MT CO_2	MT CH_4	MT N_2O	R	MT CO_2e
Mobile	2,895.00	0.12	0.33	3.76	2,999.00
Off-road (Cargo Handling)	665	0.03	0.01	-	668
Stationary	9.52	<0.005	<0.005	0	9.55
Waste	25.20	2.52	0	-	88.10
Water	139.00	2.27	0.05	-	212.00
				Amortized Construction Emissions (30 years)	*25.73*
				Total Project Emissions	***4,573.78***

Source: See Appendix A for complete results.
Notes: GHG = greenhouse gas; MT = metric tons; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent; R = refrigerants. <0.01 = reported value is less than 0.01.

Sustainable Santee Action Plan Project Consistency Checklist (Checklist)

The Checklist is used to determine significance in accordance with CEQA Guidelines Section 15183.5; therefore, the Checklist was used to evaluate the Project's significance with respect to GHG emissions. The City's General Plan designates the Project site for Light Industrial uses and the site is zoned for Light Industrial, per the City's Zoning Code. The proposed Project would be consistent with Chapter 13.14 of the City's Municipal Code, which states that allowed industrial and related uses including warehousing/distribution, assembly and light manufacturing, repair facilities, and business parks, including corporate offices (City of Santee 2017; City of Santee 2020). This zoning is consistent with the Light Industrial land use designation of the General Plan (City of Santee 2017; City of Santee 2020). Table 20 includes the applicable Checklist items and the related project consistency analysis. Please see Appendix C, *Sustainable Santee Action Plan Project Checklist* for complete details.

Table 20. Sustainable Santee Action Plan Project Checklist

Check List Item	Project Consistency
Measure 4.1. New commercial units meet or exceed California Green Building Standards Tier 2 Voluntary Measures such as obtain green building ratings including: LEED, Build it Green, or Energy Star Certified buildings certification in scoring development and explain the measures implemented.	**Consistent.** The Project meet or exceed CALGreen Tier 2 Standards in effect at the time of the building permit application. Documentation shall be provided to the City demonstrating that the Project meets this requirement prior to the issuance of the building permit.
Measure 5.1 Project utilizes tree planting for shade and energy efficiency such as tree planting in parking lots and streetscapes.	**Consistent.** Landscaping will be installed in the passenger parking area and around portions of the buildings as well as site frontages, including trees, shrubs and cover. See Figure 3-9 of the Landscape Plan.
Measure 5.2. Project uses light-reflecting surfaces such as enhanced cool roofs on commercial buildings.	**Consistent.** Roof structures shall be designed to include "cool roofs" materials with a minimum aged reflectance and thermal emittance values equal to or greater than the current CALGreen Table A5.106.11.3, Tier 1.

Table 20. Sustainable Santee Action Plan Project Checklist

Check List Item	Project Consistency
Measure 6.1 Proposed project streets include sidewalks, crosswalks, and other infrastructure that promotes non-motorized transportation options.	**Consistent.** The Project would include street, sidewalk, and landscape improvements, as shown on Figure 3-7, Conceptual Site Plan
Measure 7.1 Install electric vehicle chargers in all new residential and commercial developments.	**Consistent.** The Project includes 16 EVCS (EV Capable Stall with EVSE). See site plan.
Measure 7.1 d. For new industrial and other Land Uses employing 200 or more employees, install e-chargers for 5 percent of the total parking spaces.	**Consistent.** The Project includes 301 total parking spaces. 301 x 0.05 = 15 spaces. The Project includes 16 EVCS with EVSE.
Measure 8.1 Implement traffic flow improvement program	**Not Applicable.** The project includes no traffic controls.
Measure 9.1. Reduce waste at landfills.	**Consistent.** The Project will include storage areas for recyclables and green waste as well as food waste.
Measure 10.1 c. On commercial buildings, install at least 2 kW per square foot of building area (e.g., 2,000 sqft = 3kW) unless the installation is infeasible due to poor solar resources.	**Consistent.** The Project will include 450 kW of solar PV based on 300,145 SF / (2,000SF/3kW)

Source: Appendix C, CAP Consistency Checklist

As shown in Table 20, the Project is consistent with the Sustainable Santee Action Plan Checklist adopted by the City to ensure that the emission targets identified in the Sustainable Santee Action Plan are achieved. The Sustainable Santee Action Plan determined that a project consistent with the Checklist would not generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment. Therefore, the Project would not generate GHG emissions that may have a significant impact on the environment; impacts would be **less than significant**.

INTENTIONALLY LEFT BLANK

4 References

14 CCR 15000–15387 and Appendices A–N. Guidelines for Implementation of the California Environmental Quality Act, as amended.

17 CCR 93000. Substances Identified as Toxic Air Contaminants.

California Department of Public Health. 2017. *Epidemiologic Summary of Coccidioidomycosis in California, 2016*. Prepared by F. Tabnak, K. Knutson, G. Cooksey, A. Nguyen, and D. Vugia. June 2017. Available: https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/CocciEpiSummary2016.pdf. Accessed May 2022.

CalRecycle. 2015. *AB341 Report to the Legislature.* August 28. Available: https://www2.calrecycle.ca.gov/Publications/Details/1538. Accessed May 2022.

CAPCOA. 2021. *California Emissions Estimator Model (CalEEMod) User's Guide Version 2020.4.0.* May.

CARB (California Air Resources Board). 2000. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*. October 2000. Available: http://www.arb.ca.gov/diesel/documents/rrpfinal.pdf. Accessed May 2022.

CARB. 2008. *Climate Change Scoping Plan.* December. Available: https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/document/adopted_scoping_plan.pdf. Accessed May 2022.

CARB. 2014. *First Update to the Climate Change Scoping Plan Building on the Framework Pursuant to AB 32 – The California Global Warming Solutions Act of 2006*. May 2014. Available: https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/2013_update/first_update_climate_change_scoping_plan.pdf. Accessed May 2022.

CARB. 2016. "Ambient Air Quality Standards." May 5, 2016. Available: http://www.arb.ca.gov/research/aaqs/aaqs2.pdf. Accessed May 2022.

CARB. 2017. *California's 2017 Climate Change Scoping Plan.* November. Available: https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping_plan_2017.pdf. Accessed May 2022.

CARB. 2021. *2000-2019 GHG Inventory (2021 Edition)*.

CARB. 2022. 2022 Scoping Plan Documents. https://ww2.arb.ca.gov/resources/documents/2022-scoping-plan-documents

CARB. 2022a. "Glossary of Air Pollutant Terms." Accessed May 2022. CARB website. http://www.arb.ca.gov/html/gloss.htm.

CARB. 2022b. "Overview: Diesel Exhaust and Health." Available: https://www.arb.ca.gov/research/diesel/diesel-health.htm. Accessed May 2022.

CARB. 2022c. "iADAM: Air Quality Data Statistics." Available: http://arb.ca.gov/adam. Accessed May 2022.

CARB. 2022d. *Current California GHG Emission Inventory Data 2000-2019 GHG Inventory (2021 Edition).* April 1. Available: https://ww2.arb.ca.gov/ghg-inventory-data. Accessed May 2022.

CEC. 2018. *2019 Building Energy Efficiency Standards.* Available: https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2019-building-energy-efficiency. Accessed May 2022.

County of San Diego. 2019. "San Diego County Annual Communicable Disease Report 2018." County of San Diego, Health and Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch. October 2019.

County of San Diego. 2021. *Monthly Communicable Disease Report.* Available: https://www.sandiegocounty.gov/content/dam/sdc/hhsa/programs/phs/Epidemiology/Monthly%20CD%20Report_May%202021.pdf. Accessed May 2022.

CNRA. 2009a. *Final Statement of Reasons for Regulatory Action.* December. Available: https://resources.ca.gov/CNRALegacyFiles/ceqa/docs/Final_Statement_of_Reasons.pdf. Accessed May 2022.

CNRA. 2009b. *2009 California Climate Adaptation Strategy.* Available: https://resources.ca.gov/CNRALegacyFiles/docs/climate/Statewide_Adaptation_Strategy.pdf. Accessed May 2022.

CNRA. 2014. *Safeguarding California: Reducing Climate Risk.* Available: https://cawaterlibrary.net/document/safeguarding-california-reducing-climate-risk-an-update-to-the-2009-california-climate-adaptation-strategy/. Accessed May 2022.

CNRA. 2019. *California's Fourth Climate Change Assessment: San Diego Region Report.* March 2019. Accessed April 2022 at https://www.energy.ca.gov/sites/default/files/2019-11/Reg_Report-SUM-CCCA4-2018-009_SanDiego_ADA.pdf.

EPA (U.S. Environmental Protection Agency). 2009. "Integrated Science Assessment for Particulate Matter." EPA/600/R-08/139F.

EPA. 2021. *Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990–2019*. https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2019.

EPA. 2022a. "AirData: Access to Air Pollution Data." Available: http://www.epa.gov/airdata/ad_rep_mon.html. Accessed May 2022.

EPA. 2022b. *Basics of Climate Change.* February 23. Available: https://www.epa.gov/climatechange-science/basics-climate-change. Accessed May 2022.

EPA. 2022c. *Midterm Evaluation of Light-Duty Vehicle Greenhouse Gas Emissions Standards for Model Years 2022-2025.* Available: https://www.epa.gov/regulations-emissions-vehicles-and-engines/midterm-evaluation-light-duty-vehicle-greenhouse-gas. Accessed May 2022.

EPA and NHTSA (Department of Transportation's National Highway Traffic Safety Administration). 2016. *EPA and NHTSA Adopt Standards to Reduce Greenhouse Gas Emissions and Improve Fuel Efficiency of Medium- and Heavy-Duty Vehicles for Model Year 2018 and Beyond*. August 2016. Available: https://nepis.epa.gov/Exe/ZyPDF.cgi/P100P7NL.PDF?Dockey=P100P7NL.PDF. Accessed May 2022.

EPA and NHTSA. 2018. *The Safer Affordable Fuel-Efficient 'SAFE' Vehicles Rule for Model Years 2021-2026 Passenger Vehicles and Light Trucks*. Proposed Rule August 2018. Available: https://www.govinfo.gov/content/pkg/FR-2018-08-24/pdf/2018-16820.pdf. Accessed May 2022.

EPIC. 2015. *2012 Greenhouse Gas Emissions Inventory and Projections for the San Diego Region.* August. Available: https://www.sdforward.com/pdfs/Final_PDFs/AppendixD.pdf. Accessed May 2022.

IPCC (Intergovernmental Panel on Climate Change). 2007. *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change* [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 996 pp. Accessed May 2019. http://www.ipcc.ch/pdf/assessment-report/ar4/wg1/ar4_wg1_full_report.pdf.

IPCC. 2014. *Climate Change 2014 Synthesis Report: A Report of the Intergovernmental Panel on Climate Change.* Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. Accessed May 2019. http://www.ipcc.ch/report/ar5/syr/.

IPCC, 2018: *Summary for Policymakers. In: Global Warming of 1.5 °C. An IPCC Special Report on the impacts of global warming of 1.5 °C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty* [Masson-Delmotte, V., P. Zhai, H.-O. Pörtner, D. Roberts, J. Skea, P.R. Shukla, A. Pirani, W. Moufouma-Okia, C. Péan, R. Pidcock, S. Connors, J.B.R. Matthews, Y. Chen, X. Zhou, M.I. Gomis, E. Lonnoy, T. Maycock, M. Tignor, and T. Waterfield (eds.)]. In Press. Available: https://www.ipcc.ch/site/assets/uploads/sites/2/2019/05/SR15_SPM_version_report_LR.pdf. Accessed May 2022.

OEHHA (Office of Environmental Health Hazard Assessment). 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015*. February 2015. Available: http://oehha.ca.gov/air/hot_spots/2015/2015GuidanceManual.pdf. Accessed May 2022.

OEHHA. 2018. *Indicators of Climate Change.* August 30. Available: https://oehha.ca.gov/climate-change/document/indicators-climate-change-california. Accessed May 2022.

OPR. 2007. *Senate Bill No. 97 Chapter 185.* Available: https://opr.ca.gov/docs/SB_97_bill_20070824_chaptered.pdf. Accessed May 2022.

PBL (PBL Netherlands Environmental Assessment Agency). 2020. *Trends in Global CO_2 and Total Greenhouse Gas Emissions, 2020 Report*. December 2020. https://www.pbl.nl/sites/default/files/downloads/pbl-2020-trends-in-global-co2-and_total-greenhouse-gas-emissions-2020-report_4331.pdf.

SANDAG. 2015. *2015 Regional Plan.* Available: https://www.sdforward.com/2019-federal-rtp/2015-regional-plan. Accessed May 2022.

SANDAG. 2017a. "Series 13: 2050 Regional Growth Forecast." Available: http://www.sandag.org/index.asp?classid=12&subclassid=84&projectid=503&fuseaction=projects.detail. Accessed May 2022.

SANDAG. 2017b. "Comprehensive Transportation Projects: 2050 Regional Transportation Plan." Available: http://www.sandag.org/index.asp?projectid=349&fuseaction=projects.detail. Accessed May 2022.

SANDAG. 2020. *6th Cycle Regional Housing Needs Assessment Plan.* July 10. Available: https://www.sandag.org/uploads/projectid/projectid_189_27782.pdf. Accessed April 2022.

SANDAG. 2021. *SANDAG 2021 Regional Plan*. Adopted December 10, 2021. Accessed April 2022. https://sdforward.com/mobility-planning/2021-regional-plan

SCAQMD. 2008. *Final Localized Significance Threshold Methodology*. July. Available: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2. Accessed May 2022.

SDAPCD (San Diego Air Pollution Control District). 1976. Rules and Regulations. Regulation IV. Prohibitions. Rule 51. Nuisance. Effective November 8. Available: https://www.sdapcd.org/content/dam/sdapcd/documents/rules/current-rules/Rule-51.pdf. Accessed May 2022.

SDAPCD. 1997. Rules and Regulations. Regulation IV. Prohibitions. Rule 50. Visible Emissions. Effective August 13. Available: https://www.sdapcd.org/content/dam/sdapcd/documents/rules/current-rules/Rule-50.pdf. Accessed May 2022.

SDAPCD. 2005. *Measures to Reduce Particulate Matter in San Diego County*. December 2005. Available: http://sntbberry.cityofsanteeca.gov/sites/FanitaRanch/Public/Remainder%20of%20the%20Record/(2)%20Reference%20Documents%20from%20EIR%20&%20Technical%20Reports/Tab%20203%20-%202005-12%20SDAPCD_Measures%20to%20Reduce%20Particulate%20Matter.pdf. Accessed May 2022.

SDAPCD. 2009a. *2009 Regional Air Quality Strategy Revision*. April 2009. Accessed November 2019. http://www.sdapcd.org/content/dam/sdc/apcd/PDF/Air%20Quality%20Planning/2009-RAQS.pdf.

SDAPCD. 2009b. Rules and Regulations. Regulation IV. Prohibitions. Rule 55. Fugitive Dust. Adopted June 24, 2009; effective December 24, 2009. Available: https://www.sdapcd.org/content/dam/sdapcd/documents/rules/current-rules/Rule-55.pdf. Accessed May 2022.

SDAPCD. 2015. Rules and Regulations. Regulation IV. Prohibitions. Rule 67.0.1. Architectural Coatings. Revised June 24, 2015. Available: https://www.sdapcd.org/content/dam/sdapcd/documents/rules/rule-archive/2021/Rule-67.0.1.pdf. Accessed May 2022.

SDAPCD. 2016a. SDAPCD Regulation II: Permits; Rule 20.2: New Source Review—Non-Major Sources. January 29, 2016. Available: https://www.sdapcd.org/content/dam/sdapcd/documents/rules/current-rules/Rule-20.2.pdf. Accessed May 2022.

SDAPCD. 2016b. *2008 Eight-Hour Ozone Attainment Plan for San Diego County*. Updated December 2016. http://www.sdapcd.org/content/dam/sdc/apcd/PDF/Air%20Quality%20Planning/8-Hr-03%20Attain%20Plan-08%20Std.pdf.

SDAPCD. 2016c. *2016 Revision of the Regional Air Quality Strategy for San Diego County*. December 2016. Accessed June 2017. http://www.sdapcd.org/content/dam/sdc/apcd/PDF/Air%20Quality%20Planning/2016%20RAQS.pdf.

SDAPCD. 2022a. *Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs)*. April. Available: https://www.sdapcd.org/content/dam/sdapcd/documents/permits/air-toxics/Hot-Spots-Guidelines.pdf. Accessed May 2022.

SDAPCD. 2022b. *Attainment Status*. Available: https://www.sdapcd.org/content/sdapcd/planning/attainment-status.html. Accessed May 2022.

WRCC (Western Regional Climate Center). 2016. "Vista 2. Temperature and Precipitation." Accessed May 2022. https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca9378.

INTENTIONALLY LEFT BLANK

Appendix A

CalEEMod Outputs and Estimated Emissions

Santee Business Center v3 Const and Operation Tier4i Equipment Non HRA Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

3.2. Demolition (2024) - Mitigated

3.3. Grading (2024) - Unmitigated

3.4. Grading (2024) - Mitigated

3.5. Building Construction (2024) - Unmitigated

3.6. Building Construction (2024) - Mitigated

3.7. Building Construction (2025) - Unmitigated

3.8. Building Construction (2025) - Mitigated

3.9. Paving (2025) - Unmitigated

3.10. Paving (2025) - Mitigated

3.11. Architectural Coating (2025) - Unmitigated

3.12. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Santee Business Center v3 Const and Operation Tier4i Equipment Non HRA
Construction Start Date	6/1/2024
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	13.8
Location	32.848398162979834, -116.95965642758257
County	San Diego
City	Santee
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6534
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Unrefrigerated Warehouse-No Rail	150	1000sqft	3.45	150,073	50,441	0.00	—	—
Unrefrigerated Warehouse-Rail	150	1000sqft	3.45	150,073	0.00	0.00	—	—
Parking Lot	51.5	1000sqft	1.18	0.00	0.00	0.00	—	301 spaces
Other Asphalt Surfaces	115	1000sqft	2.65	0.00	0.00	0.00	—	Includes repave of ROW entrance
Other Non-Asphalt Surfaces	95.9	1000sqft	2.20	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	2.11	58.8	31.6	36.4	0.12	0.44	13.8	14.2	0.43	2.52	2.95	—	17,763	17,763	0.90	2.21	29.9	18,475
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mit.	1.31	1.15	11.5	21.3	0.03	0.14	1.39	1.52	0.13	0.34	0.47	—	4,823	4,823	0.21	0.24	0.21	4,900
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	0.59	4.43	6.65	10.3	0.02	0.08	1.56	1.64	0.08	0.35	0.43	—	3,012	3,012	0.14	0.23	1.93	3,085
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	0.11	0.81	1.21	1.88	< 0.005	0.01	0.28	0.30	0.01	0.06	0.08	—	499	499	0.02	0.04	0.32	511
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.11	1.26	31.6	36.4	0.12	0.44	13.8	14.2	0.43	2.52	2.95	—	17,763	17,763	0.90	2.21	29.9	18,475
2025	1.28	58.8	11.3	21.6	0.03	0.13	1.39	1.52	0.12	0.34	0.46	—	4,844	4,844	0.21	0.24	7.73	4,928
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.31	1.15	11.5	21.3	0.03	0.14	1.39	1.52	0.13	0.34	0.47	—	4,823	4,823	0.21	0.24	0.21	4,900
2025	1.27	1.11	11.4	20.9	0.03	0.13	1.39	1.52	0.12	0.34	0.46	—	4,779	4,779	0.21	0.24	0.20	4,856
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.59	0.48	6.65	10.3	0.02	0.08	1.56	1.64	0.08	0.35	0.43	—	3,012	3,012	0.14	0.23	1.93	3,085
2025	0.45	4.43	4.17	7.50	0.01	0.05	0.40	0.45	0.05	0.10	0.15	—	1,553	1,553	0.07	0.07	0.94	1,576
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.11	0.09	1.21	1.88	< 0.005	0.01	0.28	0.30	0.01	0.06	0.08	—	499	499	0.02	0.04	0.32	511
2025	0.08	0.81	0.76	1.37	< 0.005	0.01	0.07	0.08	0.01	0.02	0.03	—	257	257	0.01	0.01	0.16	261

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.99	2.25	17.3	25.9	0.17	0.23	8.36	8.58	0.21	2.17	2.38	—	18,014	18,014	0.71	1.97	53.6	18,672
Area	2.32	8.99	0.11	13.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	53.7	53.7	< 0.005	< 0.005	—	53.9
Energy	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	3,413	3,413	0.25	0.02	—	3,425
Water	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Waste	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Off-Road	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Stationary	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Total	7.20	13.0	43.9	81.6	0.23	0.56	8.36	8.92	0.56	2.17	2.72	285	28,246	28,531	30.1	2.36	53.6	30,042
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.96	2.21	18.0	24.2	0.17	0.23	8.36	8.58	0.22	2.17	2.38	—	17,738	17,738	0.73	1.98	1.39	18,348
Area	—	6.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	3,413	3,413	0.25	0.02	—	3,425
Water	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Waste	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Off-Road	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Stationary	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Total	4.85	10.8	44.5	66.8	0.23	0.54	8.36	8.90	0.53	2.17	2.70	285	27,916	28,202	30.1	2.38	1.39	29,664
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.84	2.10	17.9	23.2	0.16	0.22	8.01	8.24	0.21	2.08	2.29	—	17,488	17,488	0.71	1.97	22.7	18,117
Area	1.14	7.90	0.05	6.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.5	26.5	< 0.005	< 0.005	—	26.6
Energy	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	3,413	3,413	0.25	0.02	—	3,425
Water	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278

Waste	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Off-Road	0.61	0.61	16.4	28.2	0.04	0.08	—	0.08	0.08	—	0.08	—	4,018	4,018	0.16	0.03	—	4,032
Stationary	0.12	0.11	0.31	0.29	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	57.5	57.5	< 0.005	< 0.005	0.00	57.7
Total	4.84	10.8	35.9	59.1	0.21	0.42	8.01	8.43	0.41	2.08	2.49	285	25,709	25,994	30.0	2.35	22.7	27,467
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.52	0.38	3.27	4.24	0.03	0.04	1.46	1.50	0.04	0.38	0.42	—	2,895	2,895	0.12	0.33	3.76	2,999
Area	0.21	1.44	0.01	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.38	4.38	< 0.005	< 0.005	—	4.40
Energy	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	565	565	0.04	< 0.005	—	567
Water	—	—	—	—	—	—	—	—	—	—	—	22.0	117	139	2.27	0.05	—	212
Waste	—	—	—	—	—	—	—	—	—	—	—	25.2	0.00	25.2	2.52	0.00	—	88.1
Off-Road	0.11	0.11	2.99	5.15	0.01	0.01	—	0.01	0.01	—	0.01	—	665	665	0.03	0.01	—	668
Stationary	0.02	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.52	9.52	< 0.005	< 0.005	0.00	9.55
Total	0.88	1.97	6.54	10.8	0.04	0.08	1.46	1.54	0.07	0.38	0.45	47.2	4,256	4,304	4.97	0.39	3.76	4,548

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.2. Demolition (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	0.90	13.2	22.5	0.04	0.20	—	0.20	0.19	—	0.19	—	4,010	4,010	0.16	0.03	—	4,023
Demolition	—	—	—	—	—	—	10.2	10.2	—	1.54	1.54	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.90	1.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	275	275	0.01	< 0.005	—	276

Demolitio	—	—	—	—	—	—	0.70	0.70	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.16	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.6
Demolitio n	—	—	—	—	—	—	0.13	0.13	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.79	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	155	155	0.01	0.01	0.62	157
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.26	106
Hauling	1.03	0.29	18.2	6.47	0.09	0.24	3.41	3.65	0.24	0.93	1.18	—	13,497	13,497	0.73	2.16	29.0	14,188
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.02	10.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.98	6.98	< 0.005	< 0.005	0.01	7.29
Hauling	0.07	0.02	1.29	0.45	0.01	0.02	0.23	0.25	0.02	0.06	0.08	—	925	925	0.05	0.15	0.86	971
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.67	1.67	< 0.005	< 0.005	< 0.005	1.70
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.16	1.16	< 0.005	< 0.005	< 0.005	1.21
Hauling	0.01	< 0.005	0.24	0.08	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	153	153	0.01	0.02	0.14	161

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.4. Grading (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.00	0.96	18.9	35.4	0.06	0.18	—	0.18	0.17	—	0.17	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.09	2.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	380	380	0.02	< 0.005	—	381
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.20	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.9	62.9	< 0.005	< 0.005	—	63.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.99	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	194	194	0.01	0.01	0.78	197

Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.26	106
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	0.02	10.8
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.86	5.86	< 0.005	< 0.005	0.01	6.12
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.76	1.76	< 0.005	< 0.005	< 0.005	1.78
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.97	0.97	< 0.005	< 0.005	< 0.005	1.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.6. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.58	9.26	15.0	0.02	0.12	—	0.12	0.11	—	0.11	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.58	9.26	15.0	0.02	0.12	—	0.12	0.11	—	0.11	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.17	2.68	4.34	0.01	0.03	—	0.03	0.03	—	0.03	—	694	694	0.03	0.01	—	697

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.49	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	115	115	< 0.005	< 0.005	—	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.53	0.42	6.23	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,219	1,219	0.06	0.04	4.90	1,239
Vendor	0.11	0.05	1.76	0.81	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,274	1,274	0.06	0.18	3.27	1,331
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.52	0.47	5.45	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,151	1,151	0.06	0.04	0.13	1,166
Vendor	0.11	0.05	1.82	0.84	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,274	1,274	0.06	0.18	0.08	1,329
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.13	1.60	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	336	336	0.02	0.01	0.61	341
Vendor	0.03	0.01	0.53	0.24	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	369	369	0.02	0.05	0.41	385
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.29	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	55.7	55.7	< 0.005	< 0.005	0.10	56.5
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.1	61.1	< 0.005	0.01	0.07	63.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.62	0.56	9.21	15.0	0.02	0.11	—	0.11	0.11	—	0.11	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	0.56	9.21	15.0	0.02	0.11	—	0.11	0.11	—	0.11	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.15	2.42	3.93	0.01	0.03	—	0.03	0.03	—	0.03	—	629	629	0.03	0.01	—	631
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.44	0.72	< 0.005	0.01	—	0.01	0.01	—	0.01	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.51	0.39	5.84	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,195	1,195	0.06	0.04	4.48	1,214
Vendor	0.11	0.05	1.66	0.77	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,251	1,251	0.06	0.18	3.25	1,309
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.50	0.43	5.11	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,129	1,129	0.06	0.04	0.12	1,144

Vendor	0.10	0.05	1.73	0.80	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,252	1,252	0.06	0.18	0.08	1,306
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.11	1.36	0.00	0.00	0.28	0.28	0.00	0.06	0.06	—	299	299	0.02	0.01	0.51	303
Vendor	0.03	0.01	0.45	0.21	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	328	328	0.01	0.05	0.37	343
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.4	49.4	< 0.005	< 0.005	0.08	50.2
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54.3	54.3	< 0.005	0.01	0.06	56.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.10. Paving (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.46	6.78	10.6	0.01	0.10	—	0.10	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	1.12	1.74	< 0.005	0.02	—	0.02	0.02	—	0.02	—	248	248	0.01	< 0.005	—	249
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.20	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.1	41.1	< 0.005	< 0.005	—	41.3

Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.74	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	0.01	0.01	0.57	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.8	23.8	< 0.005	< 0.005	0.04	24.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.94	3.94	< 0.005	< 0.005	0.01	3.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.12. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	58.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.15	9.15	< 0.005	< 0.005	—	9.18
Architectural Coatings	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.51	1.51	< 0.005	< 0.005	—	1.52
Architectural Coatings	—	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.20	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	247	247	0.01	0.01	0.93	250
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	16.1	16.1	< 0.005	< 0.005	0.03	16.3

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.88	1.74	1.14	18.5	0.05	0.03	4.73	4.76	0.03	1.20	1.22	—	5,180	5,180	0.15	0.13	18.1	5,239
Unrefrigerated Warehouse-Rail	1.12	0.51	16.1	7.41	0.12	0.20	3.62	3.82	0.19	0.97	1.16	—	12,834	12,834	0.56	1.84	35.5	13,432
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.99	2.25	17.3	25.9	0.17	0.23	8.36	8.58	0.21	2.17	2.38	—	18,014	18,014	0.71	1.97	53.6	18,672
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.87	1.72	1.32	16.7	0.05	0.03	4.73	4.76	0.03	1.20	1.22	—	4,899	4,899	0.17	0.14	0.47	4,945
Unrefrigerated Warehouse-Rail	1.09	0.49	16.7	7.46	0.12	0.20	3.62	3.82	0.19	0.97	1.16	—	12,838	12,838	0.56	1.84	0.92	13,403
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.96	2.21	18.0	24.2	0.17	0.23	8.36	8.58	0.22	2.17	2.38	—	17,738	17,738	0.73	1.98	1.39	18,348
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.32	0.29	0.22	2.88	0.01	< 0.005	0.81	0.81	< 0.005	0.20	0.21	—	770	770	0.03	0.02	1.22	778
Unrefrigerated Warehouse-Rail	0.20	0.09	3.05	1.35	0.02	0.04	0.66	0.69	0.03	0.18	0.21	—	2,125	2,125	0.09	0.31	2.54	2,221
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.52	0.38	3.27	4.24	0.03	0.04	1.46	1.50	0.04	0.38	0.42	—	2,895	2,895	0.12	0.33	3.76	2,999

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	66.7	66.7	< 0.005	< 0.005	—	66.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,002	2,002	0.12	0.01	—	2,010
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	66.7	66.7	< 0.005	< 0.005	—	66.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,002	2,002	0.12	0.01	—	2,010
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	160	160	0.01	< 0.005	—	161
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	160	160	0.01	< 0.005	—	161

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	332	332	0.02	< 0.005	—	333

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Unrefrigerated Warehouse-Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	1,411	1,411	0.12	< 0.005	—	1,415
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Unrefrigerated Warehouse-Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	1,411	1,411	0.12	< 0.005	—	1,415
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	117	117	0.01	< 0.005	—	117
Unrefrigerated Warehouse-Rail	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	117	117	0.01	< 0.005	—	117
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	234	234	0.02	< 0.005	—	234

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.32	2.14	0.11	13.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	53.7	53.7	< 0.005	< 0.005	—	53.9
Total	2.32	8.99	0.11	13.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	53.7	53.7	< 0.005	< 0.005	—	53.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	6.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	—	1.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.21	0.19	0.01	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.38	4.38	< 0.005	< 0.005	—	4.40
Total	0.21	1.44	0.01	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.38	4.38	< 0.005	< 0.005	—	4.40

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	355	422	6.84	0.16	—	642
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	349	416	6.84	0.16	—	636
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	355	422	6.84	0.16	—	642
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	349	416	6.84	0.16	—	636
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	11.0	58.8	69.8	1.13	0.03	—	106
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	11.0	57.9	68.9	1.13	0.03	—	105
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	22.0	117	139	2.27	0.05	—	212

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	12.6	0.00	12.6	1.26	0.00	—	44.0
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	12.6	0.00	12.6	1.26	0.00	—	44.0

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	25.2	0.00	25.2	2.52	0.00	—	88.1

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Total	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Total	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.11	0.11	2.99	5.15	0.01	0.01	—	0.01	0.01	—	0.01	—	665	665	0.03	0.01	—	668
Total	0.11	0.11	2.99	5.15	0.01	0.01	—	0.01	0.01	—	0.01	—	665	665	0.03	0.01	—	668

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Total	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Total	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.02	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.52	9.52	< 0.005	< 0.005	0.00	9.55
Total	0.02	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.52	9.52	< 0.005	< 0.005	0.00	9.55

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetatio	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/1/2024	7/5/2024	5.00	25.0	—
Grading	Grading	7/6/2024	8/5/2024	5.00	21.0	—
Building Construction	Building Construction	8/6/2024	5/14/2025	5.00	202	—
Paving	Paving	5/15/2025	8/6/2025	5.00	60.0	—
Architectural Coating	Architectural Coating	8/7/2025	9/10/2025	5.00	25.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73

Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Other Construction Equipment	Diesel	Average	1.00	8.00	150	0.42
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	2.00	8.00	367	0.40
Demolition	Other Construction Equipment	Diesel	Tier 4 Interim	1.00	8.00	150	0.42

Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Interim	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	16.0	12.0	LDA,LDT1,LDT2
Demolition	Vendor	4.00	7.63	HHDT,MHDT
Demolition	Hauling	184	20.0	HHDT
Demolition	Onsite truck	0.00	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	12.0	LDA,LDT1,LDT2

Grading	Vendor	4.00	7.63	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	126	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	50.0	7.63	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	12.0	LDA,LDT1,LDT2
Paving	Vendor	0.00	7.63	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	26.0	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	7.63	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	16.0	12.0	LDA,LDT1,LDT2
Demolition	Vendor	4.00	7.63	HHDT,MHDT
Demolition	Hauling	184	20.0	HHDT
Demolition	Onsite truck	0.00	—	HHDT
Grading	—	—	—	—

Grading	Worker	20.0	12.0	LDA,LDT1,LDT2
Grading	Vendor	4.00	7.63	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	126	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	50.0	7.63	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	12.0	LDA,LDT1,LDT2
Paving	Vendor	0.00	7.63	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	26.0	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	7.63	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	450,219	150,073	15,756

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	18,381	—
Grading	0.00	0.00	63.0	0.00	—
Paving	0.00	0.00	0.00	0.00	6.03

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Unrefrigerated Warehouse-Rail	0.00	0%
Parking Lot	1.18	100%
Other Asphalt Surfaces	2.65	100%
Other Non-Asphalt Surfaces	2.20	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	540	0.03	< 0.005
2025	0.00	540	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	733	433	733	251,894	6,788	4,009	6,788	2,332,851
Unrefrigerated Warehouse-Rail	278	278	278	101,468	4,098	4,098	4,098	1,495,637
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	733	433	733	251,894	6,788	4,009	6,788	2,332,851
Unrefrigerated Warehouse-Rail	278	278	278	101,468	4,098	4,098	4,098	1,495,637
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	450,219	150,073	15,756

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

Unrefrigerated Warehouse-No Rail	654,312	540	0.0330	0.0040	2,201,139
Unrefrigerated Warehouse-Rail	654,312	540	0.0330	0.0040	2,201,139
Parking Lot	45,089	540	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	540	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	540	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	654,312	540	0.0330	0.0040	2,201,139
Unrefrigerated Warehouse-Rail	654,312	540	0.0330	0.0040	2,201,139
Parking Lot	45,089	540	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	540	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	540	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	34,704,266	753,799
Unrefrigerated Warehouse-Rail	34,704,266	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	34,704,266	753,799
Unrefrigerated Warehouse-Rail	34,704,266	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	141	—
Unrefrigerated Warehouse-Rail	141	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	141	—
Unrefrigerated Warehouse-Rail	141	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Tier 4 Interim	37.0	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Tier 4 Interim	37.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	1.00	1.00	50.0	500	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.4	annual days of extreme heat
Extreme Precipitation	3.90	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	7.98	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A

Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	65.7
AQ-PM	44.9
AQ-DPM	62.2
Drinking Water	43.6
Lead Risk Housing	11.8
Pesticides	0.00
Toxic Releases	26.8
Traffic	57.6
Effect Indicators	—
CleanUp Sites	50.3
Groundwater	59.9
Haz Waste Facilities/Generators	77.5
Impaired Water Bodies	77.3
Solid Waste	37.6
Sensitive Population	—
Asthma	22.8
Cardio-vascular	13.3
Low Birth Weights	7.17
Socioeconomic Factor Indicators	—
Education	22.2
Housing	53.6
Linguistic	0.00
Poverty	39.2

Unemployment	41.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	83.02322597
Employed	85.83344027
Median HI	66.93186193
Education	—
Bachelor's or higher	48.60772488
High school enrollment	100
Preschool enrollment	47.13204158
Transportation	—
Auto Access	98.98626973
Active commuting	14.11523162
Social	—
2-parent households	93.43000128
Voting	85.56396766
Neighborhood	—
Alcohol availability	62.29949955
Park access	28.57692801
Retail density	27.15257282
Supermarket access	43.20544078
Tree canopy	6.313358142
Housing	—
Homeownership	72.65494675

Housing habitability	85.4484794
Low-inc homeowner severe housing cost burden	53.34274349
Low-inc renter severe housing cost burden	79.04529706
Uncrowded housing	76.50455537
Health Outcomes	—
Insured adults	66.95752598
Arthritis	0.0
Asthma ER Admissions	69.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	31.0
Cognitively Disabled	50.3
Physically Disabled	17.3
Heart Attack ER Admissions	66.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0

No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	18.6
SLR Inundation Area	0.0
Children	64.0
Elderly	22.8
English Speaking	98.1
Foreign-born	6.9
Outdoor Workers	34.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	37.3
Traffic Density	63.7
Traffic Access	23.0
Other Indices	—
Hardship	24.9
Other Decision Support	—
2016 Voting	82.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	21.0
Healthy Places Index Score for Project Location (b)	77.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Applicant provided schedule.
Construction: Trips and VMT	Default trips rounded to nearest even number to include arrival and departure trips.
Operations: Vehicle Data	Land use split into rail and no rail to model passenger and trucks separately. Trip rates and passenger vehicle trip distance based on Traffic study. Truck trip distance based on traffic study and average truck distance calculation as provided in the Appendix to the AQ analysis.
Operations: Fleet Mix	Based on traffic analysis and split into no-rail and rail to separate passenger and truck trips.
Operations: Off-Road Equipment	Includes one yard truck for the project, modeled as an additional forklift. PDF Tier 4i engines.
Construction: Off-Road Equipment	Crusher added for reuse of onsite existing asphalt included in the demolition phase of construction.

Santee Business Center v3 Const and Operation Tier4i Equipment Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

3.2. Demolition (2024) - Mitigated

3.3. Grading (2024) - Unmitigated

3.4. Grading (2024) - Mitigated

3.5. Building Construction (2024) - Unmitigated

3.6. Building Construction (2024) - Mitigated

3.7. Building Construction (2025) - Unmitigated

3.8. Building Construction (2025) - Mitigated

3.9. Paving (2025) - Unmitigated

3.10. Paving (2025) - Mitigated

3.11. Architectural Coating (2025) - Unmitigated

3.12. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Santee Business Center v3 Const and Operation Tier4i Equipment
Construction Start Date	6/1/2024
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	13.8
Location	32.848398162979834, -116.95965642758257
County	San Diego
City	Santee
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6534
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Unrefrigerated Warehouse-No Rail	150	1000sqft	3.45	150,073	50,441	0.00	—	—
Unrefrigerated Warehouse-Rail	150	1000sqft	3.45	150,073	0.00	0.00	—	—
Parking Lot	51.5	1000sqft	1.18	0.00	0.00	0.00	—	301 spaces
Other Asphalt Surfaces	115	1000sqft	2.65	0.00	0.00	0.00	—	Includes repave of ROW entrance
Other Non-Asphalt Surfaces	95.9	1000sqft	2.20	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.26	58.8	34.3	30.4	0.06	1.45	10.2	11.4	1.33	1.55	2.76	—	6,609	6,609	0.27	0.11	0.28	6,632
Mit.	1.29	58.8	19.0	35.6	0.06	0.20	10.2	10.4	0.19	1.55	1.74	—	6,609	6,609	0.27	0.11	0.28	6,632
% Reduced	70%	—	45%	-17%	—	86%	—	9%	86%	—	37%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.91	1.65	11.9	14.9	0.02	0.50	0.01	0.51	0.46	< 0.005	0.46	—	2,507	2,507	0.14	0.04	< 0.005	2,524

Mit.	1.12	1.02	9.93	16.8	0.02	0.12	0.01	0.13	0.11	< 0.005	0.12	—	2,507	2,507	0.14	0.04	< 0.005	2,524
% Reduced	42%	38%	16%	-13%	—	76%	—	75%	75%	—	75%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.05	4.60	7.52	7.91	0.01	0.31	0.91	1.22	0.29	0.19	0.47	—	1,412	1,412	0.07	0.02	0.02	1,421
Mit.	0.47	4.40	5.08	8.57	0.01	0.06	0.91	0.97	0.06	0.19	0.24	—	1,412	1,412	0.07	0.02	0.02	1,421
% Reduced	55%	4%	33%	-8%	—	81%	—	21%	80%	—	48%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.84	1.37	1.44	< 0.005	0.06	0.17	0.22	0.05	0.03	0.09	—	234	234	0.01	< 0.005	< 0.005	235
Mit.	0.09	0.80	0.93	1.56	< 0.005	0.01	0.17	0.18	0.01	0.03	0.04	—	234	234	0.01	< 0.005	< 0.005	235
% Reduced	55%	4%	33%	-8%	—	81%	—	21%	80%	—	48%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.26	3.59	34.3	30.4	0.06	1.45	10.2	11.4	1.33	1.55	2.76	—	6,609	6,609	0.27	0.11	0.28	6,632
2025	1.81	58.8	11.1	14.4	0.02	0.43	0.01	0.44	0.40	< 0.005	0.40	—	2,504	2,504	0.13	0.04	0.08	2,520
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.91	1.65	11.9	14.9	0.02	0.50	0.01	0.51	0.46	< 0.005	0.46	—	2,507	2,507	0.14	0.04	< 0.005	2,524
2025	1.80	1.55	11.1	14.7	0.02	0.43	0.01	0.44	0.40	< 0.005	0.40	—	2,506	2,506	0.14	0.04	< 0.005	2,522

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.05	0.89	7.52	7.91	0.01	0.31	0.91	1.22	0.29	0.19	0.47	—	1,412	1,412	0.07	0.02	0.02	1,421
2025	0.65	4.60	4.20	5.60	0.01	0.17	< 0.005	0.17	0.16	< 0.005	0.16	—	915	915	0.05	0.01	0.01	921
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.19	0.16	1.37	1.44	< 0.005	0.06	0.17	0.22	0.05	0.03	0.09	—	234	234	0.01	< 0.005	< 0.005	235
2025	0.12	0.84	0.77	1.02	< 0.005	0.03	< 0.005	0.03	0.03	< 0.005	0.03	—	152	152	0.01	< 0.005	< 0.005	152

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.29	1.08	19.0	35.6	0.06	0.20	10.2	10.4	0.19	1.55	1.74	—	6,609	6,609	0.27	0.11	0.28	6,632
2025	1.08	58.8	9.84	16.3	0.02	0.11	0.01	0.12	0.11	< 0.005	0.11	—	2,504	2,504	0.13	0.04	0.08	2,520
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.12	1.02	9.93	16.8	0.02	0.12	0.01	0.13	0.11	< 0.005	0.12	—	2,507	2,507	0.14	0.04	< 0.005	2,524
2025	1.07	0.99	9.87	16.7	0.02	0.11	0.01	0.12	0.11	< 0.005	0.11	—	2,506	2,506	0.14	0.04	< 0.005	2,522
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.47	0.43	5.08	8.57	0.01	0.06	0.91	0.97	0.06	0.19	0.24	—	1,412	1,412	0.07	0.02	0.02	1,421
2025	0.39	4.40	3.76	6.21	0.01	0.05	< 0.005	0.05	0.05	< 0.005	0.05	—	915	915	0.05	0.01	0.01	921
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.09	0.08	0.93	1.56	< 0.005	0.01	0.17	0.18	0.01	0.03	0.04	—	234	234	0.01	< 0.005	< 0.005	235
2025	0.07	0.80	0.69	1.13	< 0.005	0.01	< 0.005	0.01	0.01	< 0.005	0.01	—	152	152	0.01	< 0.005	< 0.005	152

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.20	13.0	43.9	81.6	0.23	0.56	8.36	8.92	0.56	2.17	2.72	285	28,246	28,531	30.1	2.36	53.6	30,042
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.85	10.8	44.5	66.8	0.23	0.54	8.36	8.90	0.53	2.17	2.70	285	27,916	28,202	30.1	2.38	1.39	29,664
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.84	10.8	35.9	59.1	0.21	0.42	8.01	8.43	0.41	2.08	2.49	285	25,709	25,994	30.0	2.35	22.7	27,467
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.88	1.97	6.54	10.8	0.04	0.08	1.46	1.54	0.07	0.38	0.45	47.2	4,256	4,304	4.97	0.39	3.76	4,548

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.99	2.25	17.3	25.9	0.17	0.23	8.36	8.58	0.21	2.17	2.38	—	18,014	18,014	0.71	1.97	53.6	18,672
Area	2.32	8.99	0.11	13.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	53.7	53.7	< 0.005	< 0.005	—	53.9
Energy	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	3,413	3,413	0.25	0.02	—	3,425
Water	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Waste	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532

Off-Road	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Stationary	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Total	7.20	13.0	43.9	81.6	0.23	0.56	8.36	8.92	0.56	2.17	2.72	285	28,246	28,531	30.1	2.36	53.6	30,042
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.96	2.21	18.0	24.2	0.17	0.23	8.36	8.58	0.22	2.17	2.38	—	17,738	17,738	0.73	1.98	1.39	18,348
Area	—	6.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	3,413	3,413	0.25	0.02	—	3,425
Water	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Waste	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Off-Road	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Stationary	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Total	4.85	10.8	44.5	66.8	0.23	0.54	8.36	8.90	0.53	2.17	2.70	285	27,916	28,202	30.1	2.38	1.39	29,664
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.84	2.10	17.9	23.2	0.16	0.22	8.01	8.24	0.21	2.08	2.29	—	17,488	17,488	0.71	1.97	22.7	18,117
Area	1.14	7.90	0.05	6.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.5	26.5	< 0.005	< 0.005	—	26.6
Energy	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	3,413	3,413	0.25	0.02	—	3,425
Water	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Waste	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Off-Road	0.61	0.61	16.4	28.2	0.04	0.08	—	0.08	0.08	—	0.08	—	4,018	4,018	0.16	0.03	—	4,032
Stationary	0.12	0.11	0.31	0.29	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	57.5	57.5	< 0.005	< 0.005	0.00	57.7
Total	4.84	10.8	35.9	59.1	0.21	0.42	8.01	8.43	0.41	2.08	2.49	285	25,709	25,994	30.0	2.35	22.7	27,467
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.52	0.38	3.27	4.24	0.03	0.04	1.46	1.50	0.04	0.38	0.42	—	2,895	2,895	0.12	0.33	3.76	2,999
Area	0.21	1.44	0.01	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.38	4.38	< 0.005	< 0.005	—	4.40

Energy	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	565	565	0.04	< 0.005	—	567
Water	—	—	—	—	—	—	—	—	—	—	—	22.0	117	139	2.27	0.05	—	212
Waste	—	—	—	—	—	—	—	—	—	—	—	25.2	0.00	25.2	2.52	0.00	—	88.1
Off-Road	0.11	0.11	2.99	5.15	0.01	0.01	—	0.01	0.01	—	0.01	—	665	665	0.03	0.01	—	668
Stationary	0.02	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.52	9.52	< 0.005	< 0.005	0.00	9.55
Total	0.88	1.97	6.54	10.8	0.04	0.08	1.46	1.54	0.07	0.38	0.45	47.2	4,256	4,304	4.97	0.39	3.76	4,548

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.99	2.25	17.3	25.9	0.17	0.23	8.36	8.58	0.21	2.17	2.38	—	18,014	18,014	0.71	1.97	53.6	18,672
Area	2.32	8.99	0.11	13.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	53.7	53.7	< 0.005	< 0.005	—	53.9
Energy	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	3,413	3,413	0.25	0.02	—	3,425
Water	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Waste	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Off-Road	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Stationary	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Total	7.20	13.0	43.9	81.6	0.23	0.56	8.36	8.92	0.56	2.17	2.72	285	28,246	28,531	30.1	2.36	53.6	30,042
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.96	2.21	18.0	24.2	0.17	0.23	8.36	8.58	0.22	2.17	2.38	—	17,738	17,738	0.73	1.98	1.39	18,348
Area	—	6.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	3,413	3,413	0.25	0.02	—	3,425

Water	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Waste	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Off-Road	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Stationary	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Total	4.85	10.8	44.5	66.8	0.23	0.54	8.36	8.90	0.53	2.17	2.70	285	27,916	28,202	30.1	2.38	1.39	29,664
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.84	2.10	17.9	23.2	0.16	0.22	8.01	8.24	0.21	2.08	2.29	—	17,488	17,488	0.71	1.97	22.7	18,117
Area	1.14	7.90	0.05	6.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.5	26.5	< 0.005	< 0.005	—	26.6
Energy	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	3,413	3,413	0.25	0.02	—	3,425
Water	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Waste	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Off-Road	0.61	0.61	16.4	28.2	0.04	0.08	—	0.08	0.08	—	0.08	—	4,018	4,018	0.16	0.03	—	4,032
Stationary	0.12	0.11	0.31	0.29	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	57.5	57.5	< 0.005	< 0.005	0.00	57.7
Total	4.84	10.8	35.9	59.1	0.21	0.42	8.01	8.43	0.41	2.08	2.49	285	25,709	25,994	30.0	2.35	22.7	27,467
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.52	0.38	3.27	4.24	0.03	0.04	1.46	1.50	0.04	0.38	0.42	—	2,895	2,895	0.12	0.33	3.76	2,999
Area	0.21	1.44	0.01	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.38	4.38	< 0.005	< 0.005	—	4.40
Energy	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	565	565	0.04	< 0.005	—	567
Water	—	—	—	—	—	—	—	—	—	—	—	22.0	117	139	2.27	0.05	—	212
Waste	—	—	—	—	—	—	—	—	—	—	—	25.2	0.00	25.2	2.52	0.00	—	88.1
Off-Road	0.11	0.11	2.99	5.15	0.01	0.01	—	0.01	0.01	—	0.01	—	665	665	0.03	0.01	—	668
Stationary	0.02	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.52	9.52	< 0.005	< 0.005	0.00	9.55
Total	0.88	1.97	6.54	10.8	0.04	0.08	1.46	1.54	0.07	0.38	0.45	47.2	4,256	4,304	4.97	0.39	3.76	4,548

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.47	2.91	27.7	25.3	0.04	1.21	—	1.21	1.11	—	1.11	—	4,010	4,010	0.16	0.03	—	4,023
Demolition	—	—	—	—	—	—	10.2	10.2	—	1.54	1.54	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.90	1.73	< 0.005	0.08	—	0.08	0.08	—	0.08	—	275	275	0.01	< 0.005	—	276
Demolition	—	—	—	—	—	—	0.70	0.70	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.32	< 0.005	0.02	—	0.02	0.01	—	0.01	—	45.5	45.5	< 0.005	< 0.005	—	45.6
Demolition	—	—	—	—	—	—	0.13	0.13	—	0.02	0.02	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.01	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	2.88	2.88	< 0.005	< 0.005	0.00	3.37
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.87	6.87	< 0.005	< 0.005	0.01	7.22
Hauling	0.23	0.13	2.92	1.97	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	448	448	0.09	0.07	0.28	472
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.20	0.20	< 0.005	< 0.005	0.00	0.24
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	< 0.005	0.50
Hauling	0.02	0.01	0.20	0.14	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	30.8	30.8	0.01	< 0.005	0.01	32.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.03	0.03	< 0.005	< 0.005	0.00	0.04
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Hauling	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.10	5.10	< 0.005	< 0.005	< 0.005	5.37

3.2. Demolition (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.00	0.90	13.2	22.5	0.04	0.20	—	0.20	0.19	—	0.19	—	4,010	4,010	0.16	0.03	—	4,023
Demolition	—	—	—	—	—	—	10.2	10.2	—	1.54	1.54	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.90	1.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	275	275	0.01	< 0.005	—	276
Demolition	—	—	—	—	—	—	0.70	0.70	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.16	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.6
Demolition	—	—	—	—	—	—	0.13	0.13	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.01	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	2.88	2.88	< 0.005	< 0.005	0.00	3.37
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.87	6.87	< 0.005	< 0.005	0.01	7.22
Hauling	0.23	0.13	2.92	1.97	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	448	448	0.09	0.07	0.28	472

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.20	0.20	< 0.005	< 0.005	0.00	0.24
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	< 0.005	0.50
Hauling	0.02	0.01	0.20	0.14	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	30.8	30.8	0.01	< 0.005	0.01	32.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.03	0.03	< 0.005	< 0.005	0.00	0.04
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Hauling	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.10	5.10	< 0.005	< 0.005	< 0.005	5.37

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.97	1.74	< 0.005	0.08	—	0.08	0.08	—	0.08	—	380	380	0.02	< 0.005	—	381
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.36	0.32	< 0.005	0.02	—	0.02	0.01	—	0.01	—	62.9	62.9	< 0.005	< 0.005	—	63.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.01	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	3.59	3.59	< 0.005	< 0.005	0.00	4.21
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.87	6.87	< 0.005	< 0.005	0.01	7.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.21	0.21	< 0.005	< 0.005	0.00	0.25
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.40	0.40	< 0.005	< 0.005	< 0.005	0.42

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.03	0.03	< 0.005	< 0.005	0.00	0.04
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.07
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	0.96	18.9	35.4	0.06	0.18	—	0.18	0.17	—	0.17	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.09	2.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	380	380	0.02	< 0.005	—	381
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.08	0.08	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.20	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.9	62.9	< 0.005	< 0.005	—	63.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.01	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	3.59	3.59	< 0.005	< 0.005	0.00	4.21
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.87	6.87	< 0.005	< 0.005	0.01	7.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.21	0.21	< 0.005	< 0.005	0.00	0.25
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.40	0.40	< 0.005	< 0.005	< 0.005	0.42
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.03	0.03	< 0.005	< 0.005	0.00	0.04
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.07
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.25	3.80	0.01	0.14	—	0.14	0.13	—	0.13	—	694	694	0.03	0.01	—	697
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.59	0.69	< 0.005	0.03	—	0.03	0.02	—	0.02	—	115	115	< 0.005	< 0.005	—	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.43	0.09	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	22.6	22.6	0.02	0.01	0.00	26.5
Vendor	0.04	0.03	0.55	0.38	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	85.9	85.9	0.01	0.01	0.08	90.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.42	0.10	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	23.2	23.2	0.03	0.01	0.00	27.2
Vendor	0.04	0.02	0.57	0.41	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	86.5	86.5	0.01	0.01	< 0.005	90.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.03	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	6.68	6.68	0.01	< 0.005	0.00	7.84
Vendor	0.01	0.01	0.16	0.11	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	25.0	25.0	< 0.005	< 0.005	0.01	26.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.11	1.11	< 0.005	< 0.005	0.00	1.30
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.13	4.13	< 0.005	< 0.005	< 0.005	4.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.64	0.58	9.26	15.0	0.02	0.12	—	0.12	0.11	—	0.11	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.58	9.26	15.0	0.02	0.12	—	0.12	0.11	—	0.11	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.17	2.68	4.34	0.01	0.03	—	0.03	0.03	—	0.03	—	694	694	0.03	0.01	—	697
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.49	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	115	115	< 0.005	< 0.005	—	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.43	0.09	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	22.6	22.6	0.02	0.01	0.00	26.5
Vendor	0.04	0.03	0.55	0.38	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	85.9	85.9	0.01	0.01	0.08	90.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.42	0.10	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	23.2	23.2	0.03	0.01	0.00	27.2

Vendor	0.04	0.02	0.57	0.41	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	86.5	86.5	0.01	0.01	< 0.005	90.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.03	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	6.68	6.68	0.01	< 0.005	0.00	7.84
Vendor	0.01	0.01	0.16	0.11	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	25.0	25.0	< 0.005	< 0.005	0.01	26.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.11	1.11	< 0.005	< 0.005	0.00	1.30
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.13	4.13	< 0.005	< 0.005	< 0.005	4.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.30	2.74	3.42	0.01	0.11	—	0.11	0.10	—	0.10	—	629	629	0.03	0.01	—	631
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.50	0.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.41	0.09	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	22.2	22.2	0.02	0.01	0.00	25.2
Vendor	0.04	0.03	0.54	0.38	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	84.5	84.5	0.01	0.01	0.08	88.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.40	0.10	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	22.7	22.7	0.03	0.01	0.00	26.8
Vendor	0.04	0.02	0.56	0.40	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	85.2	85.2	0.01	0.01	< 0.005	89.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	5.92	5.92	0.01	< 0.005	0.00	6.95
Vendor	0.01	0.01	0.14	0.10	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.2	22.2	< 0.005	< 0.005	0.01	23.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.98	0.98	< 0.005	< 0.005	0.00	1.15

Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.68	3.68	< 0.005	< 0.005	< 0.005	3.87
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	0.56	9.21	15.0	0.02	0.11	—	0.11	0.11	—	0.11	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	0.56	9.21	15.0	0.02	0.11	—	0.11	0.11	—	0.11	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.15	2.42	3.93	0.01	0.03	—	0.03	0.03	—	0.03	—	629	629	0.03	0.01	—	631
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.44	0.72	< 0.005	0.01	—	0.01	0.01	—	0.01	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.41	0.09	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	22.2	22.2	0.02	0.01	0.00	25.2
Vendor	0.04	0.03	0.54	0.38	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	84.5	84.5	0.01	0.01	0.08	88.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.40	0.10	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	22.7	22.7	0.03	0.01	0.00	26.8
Vendor	0.04	0.02	0.56	0.40	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	85.2	85.2	0.01	0.01	< 0.005	89.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	5.92	5.92	0.01	< 0.005	0.00	6.95
Vendor	0.01	0.01	0.14	0.10	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.2	22.2	< 0.005	< 0.005	0.01	23.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.98	0.98	< 0.005	< 0.005	0.00	1.15
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.68	3.68	< 0.005	< 0.005	< 0.005	3.87
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.23	1.64	< 0.005	0.06	—	0.06	0.05	—	0.05	—	248	248	0.01	< 0.005	—	249
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.1	41.1	< 0.005	< 0.005	—	41.3
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.01	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	2.82	2.82	< 0.005	< 0.005	0.00	3.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.47	0.47	< 0.005	< 0.005	0.00	0.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.08	0.08	< 0.005	< 0.005	0.00	0.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.46	6.78	10.6	0.01	0.10	—	0.10	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	1.12	1.74	< 0.005	0.02	—	0.02	0.02	—	0.02	—	248	248	0.01	< 0.005	—	249
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.20	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.1	41.1	< 0.005	< 0.005	—	41.3
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.01	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	2.82	2.82	< 0.005	< 0.005	0.00	3.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.47	0.47	< 0.005	< 0.005	0.00	0.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.08	0.08	< 0.005	< 0.005	0.00	0.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	58.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.15	9.15	< 0.005	< 0.005	—	9.18
Architectural Coatings	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.51	1.51	< 0.005	< 0.005	—	1.52
Architectural Coatings	—	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.02	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	4.58	4.58	< 0.005	< 0.005	0.00	5.20

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.32	0.32	< 0.005	< 0.005	0.00	0.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.05	0.05	< 0.005	< 0.005	0.00	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	58.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.15	9.15	< 0.005	< 0.005	—	9.18
Architectural Coatings	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.51	1.51	< 0.005	< 0.005	—	1.52
Architectural Coatings	—	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.02	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	4.58	4.58	< 0.005	< 0.005	0.00	5.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.32	0.32	< 0.005	< 0.005	0.00	0.37

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.05	0.05	< 0.005	< 0.005	0.00	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.88	1.74	1.14	18.5	0.05	0.03	4.73	4.76	0.03	1.20	1.22	—	5,180	5,180	0.15	0.13	18.1	5,239
Unrefrigerated Warehouse-Rail	1.12	0.51	16.1	7.41	0.12	0.20	3.62	3.82	0.19	0.97	1.16	—	12,834	12,834	0.56	1.84	35.5	13,432
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.99	2.25	17.3	25.9	0.17	0.23	8.36	8.58	0.21	2.17	2.38	—	18,014	18,014	0.71	1.97	53.6	18,672
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.87	1.72	1.32	16.7	0.05	0.03	4.73	4.76	0.03	1.20	1.22	—	4,899	4,899	0.17	0.14	0.47	4,945
Unrefrigerated Warehouse-Rail	1.09	0.49	16.7	7.46	0.12	0.20	3.62	3.82	0.19	0.97	1.16	—	12,838	12,838	0.56	1.84	0.92	13,403
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.96	2.21	18.0	24.2	0.17	0.23	8.36	8.58	0.22	2.17	2.38	—	17,738	17,738	0.73	1.98	1.39	18,348
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.32	0.29	0.22	2.88	0.01	< 0.005	0.81	0.81	< 0.005	0.20	0.21	—	770	770	0.03	0.02	1.22	778
Unrefrigerated Warehouse-Rail	0.20	0.09	3.05	1.35	0.02	0.04	0.66	0.69	0.03	0.18	0.21	—	2,125	2,125	0.09	0.31	2.54	2,221

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.52	0.38	3.27	4.24	0.03	0.04	1.46	1.50	0.04	0.38	0.42	—	2,895	2,895	0.12	0.33	3.76	2,999

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.88	1.74	1.14	18.5	0.05	0.03	4.73	4.76	0.03	1.20	1.22	—	5,180	5,180	0.15	0.13	18.1	5,239
Unrefrigerated Warehouse-Rail	1.12	0.51	16.1	7.41	0.12	0.20	3.62	3.82	0.19	0.97	1.16	—	12,834	12,834	0.56	1.84	35.5	13,432
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.99	2.25	17.3	25.9	0.17	0.23	8.36	8.58	0.21	2.17	2.38	—	18,014	18,014	0.71	1.97	53.6	18,672

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.87	1.72	1.32	16.7	0.05	0.03	4.73	4.76	0.03	1.20	1.22	—	4,899	4,899	0.17	0.14	0.47	4,945
Unrefrigerated Warehouse-Rail	1.09	0.49	16.7	7.46	0.12	0.20	3.62	3.82	0.19	0.97	1.16	—	12,838	12,838	0.56	1.84	0.92	13,403
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.96	2.21	18.0	24.2	0.17	0.23	8.36	8.58	0.22	2.17	2.38	—	17,738	17,738	0.73	1.98	1.39	18,348
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.32	0.29	0.22	2.88	0.01	< 0.005	0.81	0.81	< 0.005	0.20	0.21	—	770	770	0.03	0.02	1.22	778
Unrefrigerated Warehouse-Rail	0.20	0.09	3.05	1.35	0.02	0.04	0.66	0.69	0.03	0.18	0.21	—	2,125	2,125	0.09	0.31	2.54	2,221
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.52	0.38	3.27	4.24	0.03	0.04	1.46	1.50	0.04	0.38	0.42	—	2,895	2,895	0.12	0.33	3.76	2,999

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	66.7	66.7	< 0.005	< 0.005	—	66.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,002	2,002	0.12	0.01	—	2,010
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971
Unrefrige rated Warehou se-Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	66.7	66.7	< 0.005	< 0.005	—	66.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,002	2,002	0.12	0.01	—	2,010
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	160	160	0.01	< 0.005	—	161
Unrefrige rated Warehou se-Rail	—	—	—	—	—	—	—	—	—	—	—	—	160	160	0.01	< 0.005	—	161
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	332	332	0.02	< 0.005	—	333

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	66.7	66.7	< 0.005	< 0.005	—	66.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,002	2,002	0.12	0.01	—	2,010
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971

Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	968	968	0.06	0.01	—	971
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	66.7	66.7	< 0.005	< 0.005	—	66.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,002	2,002	0.12	0.01	—	2,010
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	160	160	0.01	< 0.005	—	161
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	160	160	0.01	< 0.005	—	161
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	332	332	0.02	< 0.005	—	333

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Unrefrigerated Warehouse-Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	1,411	1,411	0.12	< 0.005	—	1,415
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Unrefrigerated Warehouse-Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	1,411	1,411	0.12	< 0.005	—	1,415
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	117	117	0.01	< 0.005	—	117
Unrefrigerated Warehouse-Rail	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	117	117	0.01	< 0.005	—	117
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	234	234	0.02	< 0.005	—	234

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Unrefrige rated Warehou se-Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	1,411	1,411	0.12	< 0.005	—	1,415
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Unrefrige rated Warehou se-Rail	0.07	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	705	705	0.06	< 0.005	—	707
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	0.13	0.07	1.18	0.99	0.01	0.09	—	0.09	0.09	—	0.09	—	1,411	1,411	0.12	< 0.005	—	1,415
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	117	117	0.01	< 0.005	—	117
Unrefrigerated Warehouse-Rail	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	117	117	0.01	< 0.005	—	117
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	234	234	0.02	< 0.005	—	234

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.32	2.14	0.11	13.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	53.7	53.7	< 0.005	< 0.005	—	53.9
Total	2.32	8.99	0.11	13.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	53.7	53.7	< 0.005	< 0.005	—	53.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	6.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.21	0.19	0.01	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.38	4.38	< 0.005	< 0.005	—	4.40
Total	0.21	1.44	0.01	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.38	4.38	< 0.005	< 0.005	—	4.40

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.32	2.14	0.11	13.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	53.7	53.7	< 0.005	< 0.005	—	53.9
Total	2.32	8.99	0.11	13.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	53.7	53.7	< 0.005	< 0.005	—	53.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	6.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.21	0.19	0.01	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.38	4.38	< 0.005	< 0.005	—	4.40
Total	0.21	1.44	0.01	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.38	4.38	< 0.005	< 0.005	—	4.40

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	355	422	6.84	0.16	—	642
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	349	416	6.84	0.16	—	636
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	355	422	6.84	0.16	—	642

Unrefrige Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	349	416	6.84	0.16	—	636
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	11.0	58.8	69.8	1.13	0.03	—	106
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	11.0	57.9	68.9	1.13	0.03	—	105
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	22.0	117	139	2.27	0.05	—	212

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	355	422	6.84	0.16	—	642
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	349	416	6.84	0.16	—	636
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	355	422	6.84	0.16	—	642
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	66.5	349	416	6.84	0.16	—	636
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	133	705	838	13.7	0.33	—	1,278
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	11.0	58.8	69.8	1.13	0.03	—	106
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	11.0	57.9	68.9	1.13	0.03	—	105
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	22.0	117	139	2.27	0.05	—	212

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	12.6	0.00	12.6	1.26	0.00	—	44.0
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	12.6	0.00	12.6	1.26	0.00	—	44.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	25.2	0.00	25.2	2.52	0.00	—	88.1

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Unrefrige rated Warehou se-Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Unrefrige rated Warehou se-Rail	—	—	—	—	—	—	—	—	—	—	—	76.0	0.00	76.0	7.60	0.00	—	266
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	532
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	12.6	0.00	12.6	1.26	0.00	—	44.0
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	12.6	0.00	12.6	1.26	0.00	—	44.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	25.2	0.00	25.2	2.52	0.00	—	88.1

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Total	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Total	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.11	0.11	2.99	5.15	0.01	0.01	—	0.01	0.01	—	0.01	—	665	665	0.03	0.01	—	668
Total	0.11	0.11	2.99	5.15	0.01	0.01	—	0.01	0.01	—	0.01	—	665	665	0.03	0.01	—	668

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Total	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Total	0.86	0.86	23.0	39.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,641	5,641	0.23	0.05	—	5,661
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.11	0.11	2.99	5.15	0.01	0.01	—	0.01	0.01	—	0.01	—	665	665	0.03	0.01	—	668
Total	0.11	0.11	2.99	5.15	0.01	0.01	—	0.01	0.01	—	0.01	—	665	665	0.03	0.01	—	668

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Total	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Total	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.02	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.52	9.52	< 0.005	< 0.005	0.00	9.55
Total	0.02	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.52	9.52	< 0.005	< 0.005	0.00	9.55

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421

Total	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Total	0.90	0.82	2.29	2.09	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	420	420	0.02	< 0.005	0.00	421
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.02	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.52	9.52	< 0.005	< 0.005	0.00	9.55
Total	0.02	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.52	9.52	< 0.005	< 0.005	0.00	9.55

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/1/2024	7/5/2024	5.00	25.0	—
Grading	Grading	7/6/2024	8/5/2024	5.00	21.0	—
Building Construction	Building Construction	8/6/2024	5/14/2025	5.00	202	—
Paving	Paving	5/15/2025	8/6/2025	5.00	60.0	—
Architectural Coating	Architectural Coating	8/7/2025	9/10/2025	5.00	25.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Other Construction Equipment	Diesel	Average	1.00	8.00	150	0.42
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20

Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	2.00	8.00	367	0.40
Demolition	Other Construction Equipment	Diesel	Tier 4 Interim	1.00	8.00	150	0.42
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Interim	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45

Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	16.0	0.00	LDA,LDT1,LDT2
Demolition	Vendor	4.00	0.19	HHDT,MHDT
Demolition	Hauling	184	0.19	HHDT
Demolition	Onsite truck	0.00	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	0.00	LDA,LDT1,LDT2
Grading	Vendor	4.00	0.19	HHDT,MHDT
Grading	Hauling	0.00	0.19	HHDT
Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	126	0.00	LDA,LDT1,LDT2
Building Construction	Vendor	50.0	0.19	HHDT,MHDT
Building Construction	Hauling	0.00	0.19	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	0.00	LDA,LDT1,LDT2
Paving	Vendor	0.00	0.19	HHDT,MHDT

Paving	Hauling	0.00	0.19	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	26.0	0.00	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.19	HHDT,MHDT
Architectural Coating	Hauling	0.00	0.19	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	16.0	0.00	LDA,LDT1,LDT2
Demolition	Vendor	4.00	0.19	HHDT,MHDT
Demolition	Hauling	184	0.19	HHDT
Demolition	Onsite truck	0.00	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	0.00	LDA,LDT1,LDT2
Grading	Vendor	4.00	0.19	HHDT,MHDT
Grading	Hauling	0.00	0.19	HHDT
Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	126	0.00	LDA,LDT1,LDT2
Building Construction	Vendor	50.0	0.19	HHDT,MHDT
Building Construction	Hauling	0.00	0.19	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	0.00	LDA,LDT1,LDT2

Paving	Vendor	0.00	0.19	HHDT,MHDT
Paving	Hauling	0.00	0.19	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	26.0	0.00	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.19	HHDT,MHDT
Architectural Coating	Hauling	0.00	0.19	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	450,219	150,073	15,756

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	18,381	—
Grading	0.00	0.00	63.0	0.00	—

Paving	0.00	0.00	0.00	0.00	6.03

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Unrefrigerated Warehouse-Rail	0.00	0%
Parking Lot	1.18	100%
Other Asphalt Surfaces	2.65	100%
Other Non-Asphalt Surfaces	2.20	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	540	0.03	< 0.005
2025	0.00	540	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

Unrefrigerated Warehouse-No Rail	733	433	733	251,894	6,788	4,009	6,788	2,332,851
Unrefrigerated Warehouse-Rail	278	278	278	101,468	4,098	4,098	4,098	1,495,637
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	733	433	733	251,894	6,788	4,009	6,788	2,332,851
Unrefrigerated Warehouse-Rail	278	278	278	101,468	4,098	4,098	4,098	1,495,637
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	450,219	150,073	15,756

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	654,312	540	0.0330	0.0040	2,201,139
Unrefrigerated Warehouse-Rail	654,312	540	0.0330	0.0040	2,201,139
Parking Lot	45,089	540	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	540	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	540	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	654,312	540	0.0330	0.0040	2,201,139
Unrefrigerated Warehouse-Rail	654,312	540	0.0330	0.0040	2,201,139
Parking Lot	45,089	540	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	540	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	540	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	34,704,266	753,799
Unrefrigerated Warehouse-Rail	34,704,266	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	34,704,266	753,799
Unrefrigerated Warehouse-Rail	34,704,266	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	141	—
Unrefrigerated Warehouse-Rail	141	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	141	—
Unrefrigerated Warehouse-Rail	141	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Tier 4 Interim	37.0	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Tier 4 Interim	37.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	1.00	1.00	50.0	500	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.4	annual days of extreme heat
Extreme Precipitation	3.90	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	7.98	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	65.7

AQ-PM	44.9
AQ-DPM	62.2
Drinking Water	43.6
Lead Risk Housing	11.8
Pesticides	0.00
Toxic Releases	26.8
Traffic	57.6
Effect Indicators	—
CleanUp Sites	50.3
Groundwater	59.9
Haz Waste Facilities/Generators	77.5
Impaired Water Bodies	77.3
Solid Waste	37.6
Sensitive Population	—
Asthma	22.8
Cardio-vascular	13.3
Low Birth Weights	7.17
Socioeconomic Factor Indicators	—
Education	22.2
Housing	53.6
Linguistic	0.00
Poverty	39.2
Unemployment	41.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract

Economic	—
Above Poverty	83.02322597
Employed	85.83344027
Median HI	66.93186193
Education	—
Bachelor's or higher	48.60772488
High school enrollment	100
Preschool enrollment	47.13204158
Transportation	—
Auto Access	98.98626973
Active commuting	14.11523162
Social	—
2-parent households	93.43000128
Voting	85.56396766
Neighborhood	—
Alcohol availability	62.29949955
Park access	28.57692801
Retail density	27.15257282
Supermarket access	43.20544078
Tree canopy	6.313358142
Housing	—
Homeownership	72.65494675
Housing habitability	85.4484794
Low-inc homeowner severe housing cost burden	53.34274349
Low-inc renter severe housing cost burden	79.04529706
Uncrowded housing	76.50455537
Health Outcomes	—

Insured adults	66.95752598
Arthritis	0.0
Asthma ER Admissions	69.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	31.0
Cognitively Disabled	50.3
Physically Disabled	17.3
Heart Attack ER Admissions	66.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	18.6
SLR Inundation Area	0.0
Children	64.0

Elderly	22.8
English Speaking	98.1
Foreign-born	6.9
Outdoor Workers	34.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	37.3
Traffic Density	63.7
Traffic Access	23.0
Other Indices	—
Hardship	24.9
Other Decision Support	—
2016 Voting	82.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	21.0
Healthy Places Index Score for Project Location (b)	77.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Applicant provided schedule.
Construction: Trips and VMT	Default trips rounded to nearest even number to include arrival and departure trips. Construction DPM HRA analysis, worker trip distance set to zero and vendor and haul set to 1,000 feet of onsite travel.
Operations: Vehicle Data	Land use split into rail and no rail to model passenger and trucks separately. Trip rates and passenger vehicle trip distance based on Traffic study. Truck trip distance based on traffic study and average truck distance calculation as provided in the Appendix to the AQ analysis.
Operations: Fleet Mix	Based on traffic analysis and split into no-rail and rail to separate passenger and truck trips.
Operations: Off-Road Equipment	Includes one yard truck for the project, modeled as an additional forklift. PDF Tier 4i engines.
Construction: Off-Road Equipment	Crusher added for reuse of onsite existing asphalt included in the demolition phase of construction.

Appendix B

Health Risk Assessment Output Files

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 11/6/2023
** File: C:\Users\dtlar\OneDrive\Desktop\work
models\SanteeCVt7wOpR\SanteeCVt7wOpR.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\dlarocca\Desktop\Air Quality Work\Lakes\Santee\Santee.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 3276208 County_of_San_Diego
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL SanteeCVt7wOpR.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = CONST
** DESCRSRC Onsite Construction
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 33
** 503680.517, 3634375.406, 108.95, 3.40, 4.00
** 503687.016, 3634513.323, 108.62, 3.40, 4.00
```

```
** 503702.901, 3634536.429, 108.52, 3.40, 4.00
** 503775.109, 3634535.707, 107.84, 3.40, 4.00
** 503795.327, 3634554.481, 107.72, 3.40, 4.00
** 503907.249, 3634556.647, 108.60, 3.40, 4.00
** 503906.527, 3634374.684, 109.20, 3.40, 4.00
** 503697.125, 3634378.295, 108.95, 3.40, 4.00
** 503701.457, 3634511.879, 108.42, 3.40, 4.00
** 503711.566, 3634526.320, 108.40, 3.40, 4.00
** 503784.496, 3634523.432, 108.16, 3.40, 4.00
** 503806.158, 3634542.206, 107.96, 3.40, 4.00
** 503889.197, 3634544.372, 108.92, 3.40, 4.00
** 503885.587, 3634393.458, 109.20, 3.40, 4.00
** 503710.844, 3634397.069, 108.94, 3.40, 4.00
** 503715.177, 3634495.271, 108.25, 3.40, 4.00
** 503730.340, 3634510.435, 108.09, 3.40, 4.00
** 503804.714, 3634508.268, 108.27, 3.40, 4.00
** 503822.766, 3634525.598, 107.99, 3.40, 4.00
** 503872.589, 3634525.598, 108.93, 3.40, 4.00
** 503869.701, 3634412.232, 109.62, 3.40, 4.00
** 503731.062, 3634413.676, 108.85, 3.40, 4.00
** 503733.229, 3634490.216, 108.15, 3.40, 4.00
** 503807.603, 3634490.216, 108.43, 3.40, 4.00
** 503842.984, 3634510.435, 108.69, 3.40, 4.00
** 503856.704, 3634511.157, 109.16, 3.40, 4.00
** 503851.649, 3634431.728, 109.55, 3.40, 4.00
** 503749.114, 3634431.728, 108.88, 3.40, 4.00
** 503749.836, 3634471.442, 108.59, 3.40, 4.00
** 503809.047, 3634473.609, 108.91, 3.40, 4.00
** 503837.930, 3634485.884, 108.83, 3.40, 4.00
** 503836.486, 3634451.224, 109.14, 3.40, 4.00
** 503768.610, 3634450.502, 108.69, 3.40, 4.00
** ------------------------------------------------------------------
   LOCATION L0000001     VOLUME   503680.719 3634379.702 108.98
   LOCATION L0000002     VOLUME   503681.124 3634388.292 108.99
   LOCATION L0000003     VOLUME   503681.529 3634396.882 109.00
   LOCATION L0000004     VOLUME   503681.934 3634405.473 108.91
   LOCATION L0000005     VOLUME   503682.339 3634414.063 108.83
   LOCATION L0000006     VOLUME   503682.743 3634422.654 108.75
   LOCATION L0000007     VOLUME   503683.148 3634431.244 108.66
   LOCATION L0000008     VOLUME   503683.553 3634439.835 108.59
   LOCATION L0000009     VOLUME   503683.958 3634448.425 108.52
   LOCATION L0000010     VOLUME   503684.363 3634457.016 108.44
   LOCATION L0000011     VOLUME   503684.767 3634465.606 108.47
   LOCATION L0000012     VOLUME   503685.172 3634474.197 108.51
   LOCATION L0000013     VOLUME   503685.577 3634482.787 108.55
   LOCATION L0000014     VOLUME   503685.982 3634491.378 108.58
   LOCATION L0000015     VOLUME   503686.386 3634499.968 108.58
   LOCATION L0000016     VOLUME   503686.791 3634508.559 108.58
   LOCATION L0000017     VOLUME   503689.186 3634516.479 108.57
   LOCATION L0000018     VOLUME   503694.058 3634523.566 108.58
```

LOCATION L0000019 VOLUME 503698.930 3634530.653 108.67
LOCATION L0000020 VOLUME 503704.491 3634536.413 108.78
LOCATION L0000021 VOLUME 503713.091 3634536.327 108.66
LOCATION L0000022 VOLUME 503721.691 3634536.241 108.54
LOCATION L0000023 VOLUME 503730.290 3634536.155 108.42
LOCATION L0000024 VOLUME 503738.890 3634536.069 108.32
LOCATION L0000025 VOLUME 503747.489 3634535.983 108.22
LOCATION L0000026 VOLUME 503756.089 3634535.897 108.12
LOCATION L0000027 VOLUME 503764.688 3634535.811 108.09
LOCATION L0000028 VOLUME 503773.288 3634535.725 108.07
LOCATION L0000029 VOLUME 503780.077 3634540.320 108.02
LOCATION L0000030 VOLUME 503786.379 3634546.172 107.99
LOCATION L0000031 VOLUME 503792.681 3634552.024 107.88
LOCATION L0000032 VOLUME 503800.315 3634554.578 107.59
LOCATION L0000033 VOLUME 503808.913 3634554.744 107.60
LOCATION L0000034 VOLUME 503817.511 3634554.911 107.62
LOCATION L0000035 VOLUME 503826.110 3634555.077 107.64
LOCATION L0000036 VOLUME 503834.708 3634555.243 107.67
LOCATION L0000037 VOLUME 503843.307 3634555.410 107.83
LOCATION L0000038 VOLUME 503851.905 3634555.576 107.98
LOCATION L0000039 VOLUME 503860.503 3634555.743 108.13
LOCATION L0000040 VOLUME 503869.102 3634555.909 108.15
LOCATION L0000041 VOLUME 503877.700 3634556.076 108.17
LOCATION L0000042 VOLUME 503886.299 3634556.242 108.19
LOCATION L0000043 VOLUME 503894.897 3634556.408 108.13
LOCATION L0000044 VOLUME 503903.495 3634556.575 108.07
LOCATION L0000045 VOLUME 503907.230 3634551.802 108.79
LOCATION L0000046 VOLUME 503907.196 3634543.202 109.06
LOCATION L0000047 VOLUME 503907.162 3634534.602 109.23
LOCATION L0000048 VOLUME 503907.127 3634526.002 109.41
LOCATION L0000049 VOLUME 503907.093 3634517.402 109.53
LOCATION L0000050 VOLUME 503907.059 3634508.802 109.51
LOCATION L0000051 VOLUME 503907.025 3634500.202 109.49
LOCATION L0000052 VOLUME 503906.991 3634491.602 109.47
LOCATION L0000053 VOLUME 503906.957 3634483.002 109.44
LOCATION L0000054 VOLUME 503906.923 3634474.403 109.41
LOCATION L0000055 VOLUME 503906.889 3634465.803 109.38
LOCATION L0000056 VOLUME 503906.854 3634457.203 109.35
LOCATION L0000057 VOLUME 503906.820 3634448.603 109.35
LOCATION L0000058 VOLUME 503906.786 3634440.003 109.35
LOCATION L0000059 VOLUME 503906.752 3634431.403 109.35
LOCATION L0000060 VOLUME 503906.718 3634422.803 109.32
LOCATION L0000061 VOLUME 503906.684 3634414.203 109.29
LOCATION L0000062 VOLUME 503906.650 3634405.603 109.25
LOCATION L0000063 VOLUME 503906.616 3634397.003 109.21
LOCATION L0000064 VOLUME 503906.581 3634388.403 109.20
LOCATION L0000065 VOLUME 503906.547 3634379.803 109.19
LOCATION L0000066 VOLUME 503903.047 3634374.744 109.20
LOCATION L0000067 VOLUME 503894.448 3634374.892 109.25
LOCATION L0000068 VOLUME 503885.849 3634375.041 109.30

LOCATION L0000069 VOLUME 503877.250 3634375.189 109.34
LOCATION L0000070 VOLUME 503868.652 3634375.337 109.39
LOCATION L0000071 VOLUME 503860.053 3634375.486 109.45
LOCATION L0000072 VOLUME 503851.454 3634375.634 109.44
LOCATION L0000073 VOLUME 503842.855 3634375.782 109.42
LOCATION L0000074 VOLUME 503834.257 3634375.930 109.41
LOCATION L0000075 VOLUME 503825.658 3634376.079 109.36
LOCATION L0000076 VOLUME 503817.059 3634376.227 109.30
LOCATION L0000077 VOLUME 503808.461 3634376.375 109.25
LOCATION L0000078 VOLUME 503799.862 3634376.523 109.23
LOCATION L0000079 VOLUME 503791.263 3634376.672 109.22
LOCATION L0000080 VOLUME 503782.664 3634376.820 109.20
LOCATION L0000081 VOLUME 503774.066 3634376.968 109.18
LOCATION L0000082 VOLUME 503765.467 3634377.116 109.15
LOCATION L0000083 VOLUME 503756.868 3634377.265 109.13
LOCATION L0000084 VOLUME 503748.270 3634377.413 109.10
LOCATION L0000085 VOLUME 503739.671 3634377.561 109.08
LOCATION L0000086 VOLUME 503731.072 3634377.709 109.05
LOCATION L0000087 VOLUME 503722.473 3634377.858 109.04
LOCATION L0000088 VOLUME 503713.875 3634378.006 109.03
LOCATION L0000089 VOLUME 503705.276 3634378.154 109.01
LOCATION L0000090 VOLUME 503697.139 3634378.742 109.00
LOCATION L0000091 VOLUME 503697.418 3634387.338 108.98
LOCATION L0000092 VOLUME 503697.697 3634395.933 108.96
LOCATION L0000093 VOLUME 503697.976 3634404.529 108.88
LOCATION L0000094 VOLUME 503698.254 3634413.124 108.79
LOCATION L0000095 VOLUME 503698.533 3634421.720 108.70
LOCATION L0000096 VOLUME 503698.812 3634430.315 108.62
LOCATION L0000097 VOLUME 503699.091 3634438.910 108.54
LOCATION L0000098 VOLUME 503699.370 3634447.506 108.46
LOCATION L0000099 VOLUME 503699.648 3634456.101 108.39
LOCATION L0000100 VOLUME 503699.927 3634464.697 108.36
LOCATION L0000101 VOLUME 503700.206 3634473.292 108.34
LOCATION L0000102 VOLUME 503700.485 3634481.888 108.33
LOCATION L0000103 VOLUME 503700.763 3634490.483 108.32
LOCATION L0000104 VOLUME 503701.042 3634499.079 108.36
LOCATION L0000105 VOLUME 503701.321 3634507.674 108.40
LOCATION L0000106 VOLUME 503703.977 3634515.478 108.42
LOCATION L0000107 VOLUME 503708.909 3634522.523 108.42
LOCATION L0000108 VOLUME 503715.529 3634526.163 108.41
LOCATION L0000109 VOLUME 503724.122 3634525.823 108.27
LOCATION L0000110 VOLUME 503732.715 3634525.483 108.16
LOCATION L0000111 VOLUME 503741.308 3634525.142 108.09
LOCATION L0000112 VOLUME 503749.902 3634524.802 108.02
LOCATION L0000113 VOLUME 503758.495 3634524.462 107.98
LOCATION L0000114 VOLUME 503767.088 3634524.121 108.03
LOCATION L0000115 VOLUME 503775.681 3634523.781 108.09
LOCATION L0000116 VOLUME 503784.275 3634523.441 108.14
LOCATION L0000117 VOLUME 503790.828 3634528.919 108.12
LOCATION L0000118 VOLUME 503797.326 3634534.552 108.11

LOCATION L0000119 VOLUME 503803.825 3634540.184 108.12
LOCATION L0000120 VOLUME 503811.669 3634542.350 108.16
LOCATION L0000121 VOLUME 503820.266 3634542.574 108.23
LOCATION L0000122 VOLUME 503828.863 3634542.798 108.29
LOCATION L0000123 VOLUME 503837.461 3634543.022 108.40
LOCATION L0000124 VOLUME 503846.058 3634543.247 108.60
LOCATION L0000125 VOLUME 503854.655 3634543.471 108.79
LOCATION L0000126 VOLUME 503863.252 3634543.695 108.95
LOCATION L0000127 VOLUME 503871.849 3634543.920 109.03
LOCATION L0000128 VOLUME 503880.446 3634544.144 109.11
LOCATION L0000129 VOLUME 503889.043 3634544.368 109.14
LOCATION L0000130 VOLUME 503888.995 3634535.929 109.32
LOCATION L0000131 VOLUME 503888.789 3634527.331 109.50
LOCATION L0000132 VOLUME 503888.584 3634518.734 109.64
LOCATION L0000133 VOLUME 503888.378 3634510.136 109.65
LOCATION L0000134 VOLUME 503888.172 3634501.539 109.65
LOCATION L0000135 VOLUME 503887.967 3634492.941 109.65
LOCATION L0000136 VOLUME 503887.761 3634484.344 109.68
LOCATION L0000137 VOLUME 503887.555 3634475.746 109.71
LOCATION L0000138 VOLUME 503887.350 3634467.148 109.75
LOCATION L0000139 VOLUME 503887.144 3634458.551 109.79
LOCATION L0000140 VOLUME 503886.938 3634449.953 109.84
LOCATION L0000141 VOLUME 503886.733 3634441.356 109.88
LOCATION L0000142 VOLUME 503886.527 3634432.758 109.93
LOCATION L0000143 VOLUME 503886.321 3634424.161 109.87
LOCATION L0000144 VOLUME 503886.116 3634415.563 109.66
LOCATION L0000145 VOLUME 503885.910 3634406.966 109.44
LOCATION L0000146 VOLUME 503885.704 3634398.368 109.22
LOCATION L0000147 VOLUME 503881.899 3634393.534 109.28
LOCATION L0000148 VOLUME 503873.301 3634393.712 109.43
LOCATION L0000149 VOLUME 503864.702 3634393.890 109.58
LOCATION L0000150 VOLUME 503856.104 3634394.067 109.63
LOCATION L0000151 VOLUME 503847.506 3634394.245 109.55
LOCATION L0000152 VOLUME 503838.908 3634394.423 109.48
LOCATION L0000153 VOLUME 503830.310 3634394.600 109.41
LOCATION L0000154 VOLUME 503821.712 3634394.778 109.38
LOCATION L0000155 VOLUME 503813.114 3634394.956 109.34
LOCATION L0000156 VOLUME 503804.515 3634395.133 109.29
LOCATION L0000157 VOLUME 503795.917 3634395.311 109.20
LOCATION L0000158 VOLUME 503787.319 3634395.489 109.11
LOCATION L0000159 VOLUME 503778.721 3634395.666 109.06
LOCATION L0000160 VOLUME 503770.123 3634395.844 109.07
LOCATION L0000161 VOLUME 503761.525 3634396.021 109.09
LOCATION L0000162 VOLUME 503752.926 3634396.199 109.08
LOCATION L0000163 VOLUME 503744.328 3634396.377 109.03
LOCATION L0000164 VOLUME 503735.730 3634396.554 108.98
LOCATION L0000165 VOLUME 503727.132 3634396.732 108.95
LOCATION L0000166 VOLUME 503718.534 3634396.910 108.94
LOCATION L0000167 VOLUME 503710.884 3634397.977 108.93
LOCATION L0000168 VOLUME 503711.263 3634406.568 108.85

LOCATION L0000169 VOLUME 503711.642 3634415.160 108.78
LOCATION L0000170 VOLUME 503712.021 3634423.752 108.70
LOCATION L0000171 VOLUME 503712.401 3634432.343 108.64
LOCATION L0000172 VOLUME 503712.780 3634440.935 108.58
LOCATION L0000173 VOLUME 503713.159 3634449.527 108.52
LOCATION L0000174 VOLUME 503713.538 3634458.118 108.47
LOCATION L0000175 VOLUME 503713.917 3634466.710 108.40
LOCATION L0000176 VOLUME 503714.296 3634475.301 108.33
LOCATION L0000177 VOLUME 503714.675 3634483.893 108.25
LOCATION L0000178 VOLUME 503715.054 3634492.485 108.21
LOCATION L0000179 VOLUME 503719.286 3634499.380 108.20
LOCATION L0000180 VOLUME 503725.367 3634505.461 108.14
LOCATION L0000181 VOLUME 503731.906 3634510.389 108.08
LOCATION L0000182 VOLUME 503740.503 3634510.139 108.08
LOCATION L0000183 VOLUME 503749.099 3634509.888 108.07
LOCATION L0000184 VOLUME 503757.695 3634509.638 108.08
LOCATION L0000185 VOLUME 503766.292 3634509.387 108.14
LOCATION L0000186 VOLUME 503774.888 3634509.137 108.19
LOCATION L0000187 VOLUME 503783.484 3634508.887 108.23
LOCATION L0000188 VOLUME 503792.081 3634508.636 108.25
LOCATION L0000189 VOLUME 503800.677 3634508.386 108.27
LOCATION L0000190 VOLUME 503808.005 3634511.427 108.26
LOCATION L0000191 VOLUME 503814.208 3634517.383 108.29
LOCATION L0000192 VOLUME 503820.412 3634523.339 108.33
LOCATION L0000193 VOLUME 503828.103 3634525.598 108.40
LOCATION L0000194 VOLUME 503836.703 3634525.598 108.53
LOCATION L0000195 VOLUME 503845.303 3634525.598 108.74
LOCATION L0000196 VOLUME 503853.903 3634525.598 108.95
LOCATION L0000197 VOLUME 503862.503 3634525.598 109.14
LOCATION L0000198 VOLUME 503871.103 3634525.598 109.29
LOCATION L0000199 VOLUME 503872.408 3634518.486 109.40
LOCATION L0000200 VOLUME 503872.189 3634509.889 109.45
LOCATION L0000201 VOLUME 503871.970 3634501.292 109.50
LOCATION L0000202 VOLUME 503871.751 3634492.695 109.55
LOCATION L0000203 VOLUME 503871.532 3634484.098 109.58
LOCATION L0000204 VOLUME 503871.313 3634475.500 109.58
LOCATION L0000205 VOLUME 503871.094 3634466.903 109.59
LOCATION L0000206 VOLUME 503870.875 3634458.306 109.60
LOCATION L0000207 VOLUME 503870.656 3634449.709 109.64
LOCATION L0000208 VOLUME 503870.437 3634441.112 109.68
LOCATION L0000209 VOLUME 503870.218 3634432.514 109.72
LOCATION L0000210 VOLUME 503869.999 3634423.917 109.71
LOCATION L0000211 VOLUME 503869.780 3634415.320 109.64
LOCATION L0000212 VOLUME 503864.190 3634412.290 109.64
LOCATION L0000213 VOLUME 503855.591 3634412.379 109.60
LOCATION L0000214 VOLUME 503846.991 3634412.469 109.50
LOCATION L0000215 VOLUME 503838.391 3634412.558 109.41
LOCATION L0000216 VOLUME 503829.792 3634412.648 109.33
LOCATION L0000217 VOLUME 503821.192 3634412.737 109.28
LOCATION L0000218 VOLUME 503812.593 3634412.827 109.23

LOCATION L0000219 VOLUME 503803.993 3634412.917 109.17
LOCATION L0000220 VOLUME 503795.394 3634413.006 109.12
LOCATION L0000221 VOLUME 503786.794 3634413.096 109.06
LOCATION L0000222 VOLUME 503778.195 3634413.185 109.03
LOCATION L0000223 VOLUME 503769.595 3634413.275 109.02
LOCATION L0000224 VOLUME 503760.996 3634413.365 109.01
LOCATION L0000225 VOLUME 503752.396 3634413.454 108.98
LOCATION L0000226 VOLUME 503743.797 3634413.544 108.93
LOCATION L0000227 VOLUME 503735.197 3634413.633 108.88
LOCATION L0000228 VOLUME 503731.189 3634418.140 108.84
LOCATION L0000229 VOLUME 503731.432 3634426.736 108.79
LOCATION L0000230 VOLUME 503731.675 3634435.333 108.75
LOCATION L0000231 VOLUME 503731.919 3634443.929 108.72
LOCATION L0000232 VOLUME 503732.162 3634452.526 108.68
LOCATION L0000233 VOLUME 503732.405 3634461.122 108.62
LOCATION L0000234 VOLUME 503732.649 3634469.719 108.48
LOCATION L0000235 VOLUME 503732.892 3634478.316 108.34
LOCATION L0000236 VOLUME 503733.135 3634486.912 108.21
LOCATION L0000237 VOLUME 503738.523 3634490.216 108.21
LOCATION L0000238 VOLUME 503747.123 3634490.216 108.29
LOCATION L0000239 VOLUME 503755.723 3634490.216 108.37
LOCATION L0000240 VOLUME 503764.323 3634490.216 108.37
LOCATION L0000241 VOLUME 503772.923 3634490.216 108.36
LOCATION L0000242 VOLUME 503781.523 3634490.216 108.35
LOCATION L0000243 VOLUME 503790.123 3634490.216 108.37
LOCATION L0000244 VOLUME 503798.723 3634490.216 108.40
LOCATION L0000245 VOLUME 503807.323 3634490.216 108.42
LOCATION L0000246 VOLUME 503814.827 3634494.345 108.49
LOCATION L0000247 VOLUME 503822.294 3634498.611 108.55
LOCATION L0000248 VOLUME 503829.761 3634502.878 108.61
LOCATION L0000249 VOLUME 503837.227 3634507.145 108.71
LOCATION L0000250 VOLUME 503844.951 3634510.538 108.87
LOCATION L0000251 VOLUME 503853.539 3634510.990 109.09
LOCATION L0000252 VOLUME 503856.359 3634505.736 109.21
LOCATION L0000253 VOLUME 503855.813 3634497.154 109.29
LOCATION L0000254 VOLUME 503855.266 3634488.571 109.36
LOCATION L0000255 VOLUME 503854.720 3634479.989 109.35
LOCATION L0000256 VOLUME 503854.174 3634471.406 109.35
LOCATION L0000257 VOLUME 503853.628 3634462.823 109.35
LOCATION L0000258 VOLUME 503853.082 3634454.241 109.37
LOCATION L0000259 VOLUME 503852.536 3634445.658 109.41
LOCATION L0000260 VOLUME 503851.989 3634437.075 109.45
LOCATION L0000261 VOLUME 503848.407 3634431.728 109.43
LOCATION L0000262 VOLUME 503839.807 3634431.728 109.33
LOCATION L0000263 VOLUME 503831.207 3634431.728 109.24
LOCATION L0000264 VOLUME 503822.607 3634431.728 109.17
LOCATION L0000265 VOLUME 503814.007 3634431.728 109.10
LOCATION L0000266 VOLUME 503805.407 3634431.728 109.04
LOCATION L0000267 VOLUME 503796.807 3634431.728 109.02
LOCATION L0000268 VOLUME 503788.207 3634431.728 109.00

```
   LOCATION L0000269     VOLUME   503779.607 3634431.728 108.97
   LOCATION L0000270     VOLUME   503771.007 3634431.728 108.94
   LOCATION L0000271     VOLUME   503762.407 3634431.728 108.90
   LOCATION L0000272     VOLUME   503753.807 3634431.728 108.87
   LOCATION L0000273     VOLUME   503749.185 3634435.635 108.81
   LOCATION L0000274     VOLUME   503749.342 3634444.233 108.73
   LOCATION L0000275     VOLUME   503749.498 3634452.832 108.65
   LOCATION L0000276     VOLUME   503749.654 3634461.431 108.57
   LOCATION L0000277     VOLUME   503749.811 3634470.029 108.49
   LOCATION L0000278     VOLUME   503757.018 3634471.705 108.49
   LOCATION L0000279     VOLUME   503765.612 3634472.020 108.52
   LOCATION L0000280     VOLUME   503774.207 3634472.334 108.54
   LOCATION L0000281     VOLUME   503782.801 3634472.648 108.56
   LOCATION L0000282     VOLUME   503791.395 3634472.963 108.60
   LOCATION L0000283     VOLUME   503799.989 3634473.277 108.63
   LOCATION L0000284     VOLUME   503808.584 3634473.592 108.67
   LOCATION L0000285     VOLUME   503816.535 3634476.791 108.72
   LOCATION L0000286     VOLUME   503824.450 3634480.155 108.77
   LOCATION L0000287     VOLUME   503832.365 3634483.519 108.84
   LOCATION L0000288     VOLUME   503837.823 3634483.333 108.95
   LOCATION L0000289     VOLUME   503837.465 3634474.740 109.02
   LOCATION L0000290     VOLUME   503837.107 3634466.148 109.09
   LOCATION L0000291     VOLUME   503836.749 3634457.555 109.15
   LOCATION L0000292     VOLUME   503834.222 3634451.200 109.16
   LOCATION L0000293     VOLUME   503825.623 3634451.109 109.08
   LOCATION L0000294     VOLUME   503817.023 3634451.017 109.01
   LOCATION L0000295     VOLUME   503808.424 3634450.926 108.93
   LOCATION L0000296     VOLUME   503799.824 3634450.834 108.89
   LOCATION L0000297     VOLUME   503791.224 3634450.743 108.85
   LOCATION L0000298     VOLUME   503782.625 3634450.651 108.81
   LOCATION L0000299     VOLUME   503774.025 3634450.560 108.76
** End of LINE VOLUME Source ID = CONST
** Source Parameters **
** LINE VOLUME Source ID = CONST
   SRCPARAM L0000001     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000002     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000003     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000004     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000005     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000006     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000007     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000008     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000009     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000010     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000011     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000012     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000013     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000014     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000015     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000016     0.0033444816      3.40      4.00      3.16
```

```
SRCPARAM L0000017     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000018     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000019     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000020     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000021     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000022     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000023     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000024     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000025     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000026     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000027     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000028     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000029     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000030     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000031     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000032     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000033     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000034     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000035     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000036     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000037     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000038     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000039     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000040     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000041     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000042     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000043     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000044     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000045     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000046     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000047     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000048     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000049     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000050     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000051     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000052     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000053     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000054     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000055     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000056     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000057     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000058     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000059     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000060     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000061     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000062     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000063     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000064     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000065     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000066     0.0033444816      3.40      4.00      3.16
```

```
SRCPARAM L0000067     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000068     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000069     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000070     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000071     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000072     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000073     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000074     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000075     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000076     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000077     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000078     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000079     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000080     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000081     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000082     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000083     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000084     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000085     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000086     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000087     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000088     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000089     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000090     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000091     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000092     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000093     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000094     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000095     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000096     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000097     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000098     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000099     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000100     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000101     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000102     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000103     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000104     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000105     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000106     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000107     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000108     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000109     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000110     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000111     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000112     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000113     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000114     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000115     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000116     0.0033444816      3.40      4.00      3.16
```

```
SRCPARAM L0000117     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000118     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000119     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000120     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000121     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000122     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000123     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000124     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000125     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000126     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000127     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000128     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000129     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000130     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000131     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000132     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000133     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000134     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000135     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000136     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000137     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000138     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000139     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000140     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000141     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000142     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000143     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000144     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000145     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000146     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000147     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000148     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000149     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000150     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000151     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000152     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000153     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000154     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000155     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000156     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000157     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000158     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000159     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000160     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000161     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000162     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000163     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000164     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000165     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000166     0.0033444816      3.40      4.00      3.16
```

```
SRCPARAM L0000167     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000168     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000169     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000170     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000171     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000172     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000173     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000174     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000175     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000176     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000177     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000178     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000179     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000180     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000181     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000182     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000183     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000184     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000185     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000186     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000187     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000188     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000189     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000190     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000191     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000192     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000193     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000194     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000195     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000196     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000197     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000198     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000199     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000200     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000201     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000202     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000203     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000204     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000205     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000206     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000207     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000208     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000209     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000210     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000211     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000212     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000213     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000214     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000215     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000216     0.0033444816      3.40      4.00      3.16
```

```
SRCPARAM L0000217     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000218     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000219     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000220     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000221     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000222     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000223     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000224     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000225     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000226     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000227     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000228     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000229     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000230     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000231     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000232     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000233     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000234     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000235     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000236     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000237     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000238     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000239     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000240     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000241     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000242     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000243     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000244     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000245     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000246     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000247     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000248     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000249     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000250     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000251     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000252     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000253     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000254     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000255     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000256     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000257     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000258     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000259     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000260     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000261     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000262     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000263     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000264     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000265     0.0033444816      3.40      4.00      3.16
SRCPARAM L0000266     0.0033444816      3.40      4.00      3.16
```

```
   SRCPARAM L0000267     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000268     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000269     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000270     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000271     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000272     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000273     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000274     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000275     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000276     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000277     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000278     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000279     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000280     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000281     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000282     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000283     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000284     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000285     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000286     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000287     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000288     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000289     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000290     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000291     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000292     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000293     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000294     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000295     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000296     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000297     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000298     0.0033444816      3.40      4.00      3.16
   SRCPARAM L0000299     0.0033444816      3.40      4.00      3.16
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED SanteeCVt7wOpR.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
```

```
**
**
ME STARTING
   SURFFILE LES_2019-2021_v22112.SFC
   PROFFILE LES_2019-2021_v22112.PFL
   SURFDATA 53143 2019
   UAIRDATA 3190 2019
   SITEDATA 1022 2019
   PROFBASE 143.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST SANTEECVT7WOPR.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL SANTEECVT7WOPR.AD\PE00GALL.PLT 32
   SUMMFILE SanteeCVt7wOpR.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403     708       PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

↟ *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                          ***   MODEL SETUP OPTIONS SUMMARY
 ***
 - - -

```
 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   143.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.1 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   SanteeCVt7wOpR.err

 **File for Summary of Results:   SanteeCVt7wOpR.sum

 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data


                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- - - - - - - - - - - - - - - - - - - -

L0000001	0	0.33445E-02	503680.7	3634379.7	109.0	3.40	4.00	3.16 YES
L0000002	0	0.33445E-02	503681.1	3634388.3	109.0	3.40	4.00	3.16 YES
L0000003	0	0.33445E-02	503681.5	3634396.9	109.0	3.40	4.00	3.16 YES
L0000004	0	0.33445E-02	503681.9	3634405.5	108.9	3.40	4.00	3.16 YES
L0000005	0	0.33445E-02	503682.3	3634414.1	108.8	3.40	4.00	3.16 YES
L0000006	0	0.33445E-02	503682.7	3634422.7	108.8	3.40	4.00	3.16 YES
L0000007	0	0.33445E-02	503683.1	3634431.2	108.7	3.40	4.00	3.16 YES
L0000008	0	0.33445E-02	503683.6	3634439.8	108.6	3.40	4.00	3.16 YES
L0000009	0	0.33445E-02	503684.0	3634448.4	108.5	3.40	4.00	3.16 YES
L0000010	0	0.33445E-02	503684.4	3634457.0	108.4	3.40	4.00	3.16 YES
L0000011	0	0.33445E-02	503684.8	3634465.6	108.5	3.40	4.00	3.16 YES
L0000012	0	0.33445E-02	503685.2	3634474.2	108.5	3.40	4.00	3.16 YES
L0000013	0	0.33445E-02	503685.6	3634482.8	108.5	3.40	4.00	3.16 YES
L0000014	0	0.33445E-02	503686.0	3634491.4	108.6	3.40	4.00	3.16 YES
L0000015	0	0.33445E-02	503686.4	3634500.0	108.6	3.40	4.00	3.16 YES
L0000016	0	0.33445E-02	503686.8	3634508.6	108.6	3.40	4.00	3.16 YES
L0000017	0	0.33445E-02	503689.2	3634516.5	108.6	3.40	4.00	3.16 YES
L0000018	0	0.33445E-02	503694.1	3634523.6	108.6	3.40	4.00	3.16 YES
L0000019	0	0.33445E-02	503698.9	3634530.7	108.7	3.40	4.00	3.16 YES
L0000020	0	0.33445E-02	503704.5	3634536.4	108.8	3.40	4.00	3.16 YES
L0000021	0	0.33445E-02	503713.1	3634536.3	108.7	3.40	4.00	3.16 YES
L0000022	0	0.33445E-02	503721.7	3634536.2	108.5	3.40	4.00	3.16 YES
L0000023	0	0.33445E-02	503730.3	3634536.2	108.4	3.40	4.00	3.16 YES
L0000024	0	0.33445E-02	503738.9	3634536.1	108.3	3.40	4.00	3.16 YES

```
 L0000025         0   0.33445E-02  503747.5 3634536.0   108.2     3.40     4.00
3.16     YES
 L0000026         0   0.33445E-02  503756.1 3634535.9   108.1     3.40     4.00
3.16     YES
 L0000027         0   0.33445E-02  503764.7 3634535.8   108.1     3.40     4.00
3.16     YES
 L0000028         0   0.33445E-02  503773.3 3634535.7   108.1     3.40     4.00
3.16     YES
 L0000029         0   0.33445E-02  503780.1 3634540.3   108.0     3.40     4.00
3.16     YES
 L0000030         0   0.33445E-02  503786.4 3634546.2   108.0     3.40     4.00
3.16     YES
 L0000031         0   0.33445E-02  503792.7 3634552.0   107.9     3.40     4.00
3.16     YES
 L0000032         0   0.33445E-02  503800.3 3634554.6   107.6     3.40     4.00
3.16     YES
 L0000033         0   0.33445E-02  503808.9 3634554.7   107.6     3.40     4.00
3.16     YES
 L0000034         0   0.33445E-02  503817.5 3634554.9   107.6     3.40     4.00
3.16     YES
 L0000035         0   0.33445E-02  503826.1 3634555.1   107.6     3.40     4.00
3.16     YES
 L0000036         0   0.33445E-02  503834.7 3634555.2   107.7     3.40     4.00
3.16     YES
 L0000037         0   0.33445E-02  503843.3 3634555.4   107.8     3.40     4.00
3.16     YES
 L0000038         0   0.33445E-02  503851.9 3634555.6   108.0     3.40     4.00
3.16     YES
 L0000039         0   0.33445E-02  503860.5 3634555.7   108.1     3.40     4.00
3.16     YES
 L0000040         0   0.33445E-02  503869.1 3634555.9   108.1     3.40     4.00
3.16     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
- - -

- - - - - - - - - - - - - - - - - - - -

L0000041	0	0.33445E-02	503877.7	3634556.1	108.2	3.40	4.00	3.16 YES
L0000042	0	0.33445E-02	503886.3	3634556.2	108.2	3.40	4.00	3.16 YES
L0000043	0	0.33445E-02	503894.9	3634556.4	108.1	3.40	4.00	3.16 YES
L0000044	0	0.33445E-02	503903.5	3634556.6	108.1	3.40	4.00	3.16 YES
L0000045	0	0.33445E-02	503907.2	3634551.8	108.8	3.40	4.00	3.16 YES
L0000046	0	0.33445E-02	503907.2	3634543.2	109.1	3.40	4.00	3.16 YES
L0000047	0	0.33445E-02	503907.2	3634534.6	109.2	3.40	4.00	3.16 YES
L0000048	0	0.33445E-02	503907.1	3634526.0	109.4	3.40	4.00	3.16 YES
L0000049	0	0.33445E-02	503907.1	3634517.4	109.5	3.40	4.00	3.16 YES
L0000050	0	0.33445E-02	503907.1	3634508.8	109.5	3.40	4.00	3.16 YES
L0000051	0	0.33445E-02	503907.0	3634500.2	109.5	3.40	4.00	3.16 YES
L0000052	0	0.33445E-02	503907.0	3634491.6	109.5	3.40	4.00	3.16 YES
L0000053	0	0.33445E-02	503907.0	3634483.0	109.4	3.40	4.00	3.16 YES
L0000054	0	0.33445E-02	503906.9	3634474.4	109.4	3.40	4.00	3.16 YES
L0000055	0	0.33445E-02	503906.9	3634465.8	109.4	3.40	4.00	3.16 YES
L0000056	0	0.33445E-02	503906.9	3634457.2	109.3	3.40	4.00	3.16 YES
L0000057	0	0.33445E-02	503906.8	3634448.6	109.3	3.40	4.00	3.16 YES
L0000058	0	0.33445E-02	503906.8	3634440.0	109.3	3.40	4.00	3.16 YES
L0000059	0	0.33445E-02	503906.8	3634431.4	109.3	3.40	4.00	3.16 YES
L0000060	0	0.33445E-02	503906.7	3634422.8	109.3	3.40	4.00	3.16 YES
L0000061	0	0.33445E-02	503906.7	3634414.2	109.3	3.40	4.00	3.16 YES
L0000062	0	0.33445E-02	503906.6	3634405.6	109.2	3.40	4.00	3.16 YES
L0000063	0	0.33445E-02	503906.6	3634397.0	109.2	3.40	4.00	3.16 YES
L0000064	0	0.33445E-02	503906.6	3634388.4	109.2	3.40	4.00	3.16 YES

```
 L0000065         0   0.33445E-02  503906.5 3634379.8   109.2     3.40     4.00
3.16     YES
 L0000066         0   0.33445E-02  503903.0 3634374.7   109.2     3.40     4.00
3.16     YES
 L0000067         0   0.33445E-02  503894.4 3634374.9   109.2     3.40     4.00
3.16     YES
 L0000068         0   0.33445E-02  503885.8 3634375.0   109.3     3.40     4.00
3.16     YES
 L0000069         0   0.33445E-02  503877.2 3634375.2   109.3     3.40     4.00
3.16     YES
 L0000070         0   0.33445E-02  503868.7 3634375.3   109.4     3.40     4.00
3.16     YES
 L0000071         0   0.33445E-02  503860.1 3634375.5   109.5     3.40     4.00
3.16     YES
 L0000072         0   0.33445E-02  503851.5 3634375.6   109.4     3.40     4.00
3.16     YES
 L0000073         0   0.33445E-02  503842.9 3634375.8   109.4     3.40     4.00
3.16     YES
 L0000074         0   0.33445E-02  503834.3 3634375.9   109.4     3.40     4.00
3.16     YES
 L0000075         0   0.33445E-02  503825.7 3634376.1   109.4     3.40     4.00
3.16     YES
 L0000076         0   0.33445E-02  503817.1 3634376.2   109.3     3.40     4.00
3.16     YES
 L0000077         0   0.33445E-02  503808.5 3634376.4   109.2     3.40     4.00
3.16     YES
 L0000078         0   0.33445E-02  503799.9 3634376.5   109.2     3.40     4.00
3.16     YES
 L0000079         0   0.33445E-02  503791.3 3634376.7   109.2     3.40     4.00
3.16     YES
 L0000080         0   0.33445E-02  503782.7 3634376.8   109.2     3.40     4.00
3.16     YES
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- - - - - - - - - - - - - - - - - - - -

L0000081	0	0.33445E-02	503774.1	3634377.0	109.2	3.40	4.00	3.16	YES
L0000082	0	0.33445E-02	503765.5	3634377.1	109.1	3.40	4.00	3.16	YES
L0000083	0	0.33445E-02	503756.9	3634377.3	109.1	3.40	4.00	3.16	YES
L0000084	0	0.33445E-02	503748.3	3634377.4	109.1	3.40	4.00	3.16	YES
L0000085	0	0.33445E-02	503739.7	3634377.6	109.1	3.40	4.00	3.16	YES
L0000086	0	0.33445E-02	503731.1	3634377.7	109.0	3.40	4.00	3.16	YES
L0000087	0	0.33445E-02	503722.5	3634377.9	109.0	3.40	4.00	3.16	YES
L0000088	0	0.33445E-02	503713.9	3634378.0	109.0	3.40	4.00	3.16	YES
L0000089	0	0.33445E-02	503705.3	3634378.2	109.0	3.40	4.00	3.16	YES
L0000090	0	0.33445E-02	503697.1	3634378.7	109.0	3.40	4.00	3.16	YES
L0000091	0	0.33445E-02	503697.4	3634387.3	109.0	3.40	4.00	3.16	YES
L0000092	0	0.33445E-02	503697.7	3634395.9	109.0	3.40	4.00	3.16	YES
L0000093	0	0.33445E-02	503698.0	3634404.5	108.9	3.40	4.00	3.16	YES
L0000094	0	0.33445E-02	503698.3	3634413.1	108.8	3.40	4.00	3.16	YES
L0000095	0	0.33445E-02	503698.5	3634421.7	108.7	3.40	4.00	3.16	YES
L0000096	0	0.33445E-02	503698.8	3634430.3	108.6	3.40	4.00	3.16	YES
L0000097	0	0.33445E-02	503699.1	3634438.9	108.5	3.40	4.00	3.16	YES
L0000098	0	0.33445E-02	503699.4	3634447.5	108.5	3.40	4.00	3.16	YES
L0000099	0	0.33445E-02	503699.6	3634456.1	108.4	3.40	4.00	3.16	YES
L0000100	0	0.33445E-02	503699.9	3634464.7	108.4	3.40	4.00	3.16	YES
L0000101	0	0.33445E-02	503700.2	3634473.3	108.3	3.40	4.00	3.16	YES
L0000102	0	0.33445E-02	503700.5	3634481.9	108.3	3.40	4.00	3.16	YES
L0000103	0	0.33445E-02	503700.8	3634490.5	108.3	3.40	4.00	3.16	YES
L0000104	0	0.33445E-02	503701.0	3634499.1	108.4	3.40	4.00	3.16	YES

```
 L0000105         0   0.33445E-02  503701.3 3634507.7   108.4     3.40     4.00
3.16     YES
 L0000106         0   0.33445E-02  503704.0 3634515.5   108.4     3.40     4.00
3.16     YES
 L0000107         0   0.33445E-02  503708.9 3634522.5   108.4     3.40     4.00
3.16     YES
 L0000108         0   0.33445E-02  503715.5 3634526.2   108.4     3.40     4.00
3.16     YES
 L0000109         0   0.33445E-02  503724.1 3634525.8   108.3     3.40     4.00
3.16     YES
 L0000110         0   0.33445E-02  503732.7 3634525.5   108.2     3.40     4.00
3.16     YES
 L0000111         0   0.33445E-02  503741.3 3634525.1   108.1     3.40     4.00
3.16     YES
 L0000112         0   0.33445E-02  503749.9 3634524.8   108.0     3.40     4.00
3.16     YES
 L0000113         0   0.33445E-02  503758.5 3634524.5   108.0     3.40     4.00
3.16     YES
 L0000114         0   0.33445E-02  503767.1 3634524.1   108.0     3.40     4.00
3.16     YES
 L0000115         0   0.33445E-02  503775.7 3634523.8   108.1     3.40     4.00
3.16     YES
 L0000116         0   0.33445E-02  503784.3 3634523.4   108.1     3.40     4.00
3.16     YES
 L0000117         0   0.33445E-02  503790.8 3634528.9   108.1     3.40     4.00
3.16     YES
 L0000118         0   0.33445E-02  503797.3 3634534.6   108.1     3.40     4.00
3.16     YES
 L0000119         0   0.33445E-02  503803.8 3634540.2   108.1     3.40     4.00
3.16     YES
 L0000120         0   0.33445E-02  503811.7 3634542.3   108.2     3.40     4.00
3.16     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

- -

- - - - - - - - - - - - - - - - - - - -

L0000121	0	0.33445E-02	503820.3	3634542.6	108.2	3.40	4.00	3.16 YES
L0000122	0	0.33445E-02	503828.9	3634542.8	108.3	3.40	4.00	3.16 YES
L0000123	0	0.33445E-02	503837.5	3634543.0	108.4	3.40	4.00	3.16 YES
L0000124	0	0.33445E-02	503846.1	3634543.2	108.6	3.40	4.00	3.16 YES
L0000125	0	0.33445E-02	503854.7	3634543.5	108.8	3.40	4.00	3.16 YES
L0000126	0	0.33445E-02	503863.3	3634543.7	109.0	3.40	4.00	3.16 YES
L0000127	0	0.33445E-02	503871.8	3634543.9	109.0	3.40	4.00	3.16 YES
L0000128	0	0.33445E-02	503880.4	3634544.1	109.1	3.40	4.00	3.16 YES
L0000129	0	0.33445E-02	503889.0	3634544.4	109.1	3.40	4.00	3.16 YES
L0000130	0	0.33445E-02	503889.0	3634535.9	109.3	3.40	4.00	3.16 YES
L0000131	0	0.33445E-02	503888.8	3634527.3	109.5	3.40	4.00	3.16 YES
L0000132	0	0.33445E-02	503888.6	3634518.7	109.6	3.40	4.00	3.16 YES
L0000133	0	0.33445E-02	503888.4	3634510.1	109.6	3.40	4.00	3.16 YES
L0000134	0	0.33445E-02	503888.2	3634501.5	109.6	3.40	4.00	3.16 YES
L0000135	0	0.33445E-02	503888.0	3634492.9	109.6	3.40	4.00	3.16 YES
L0000136	0	0.33445E-02	503887.8	3634484.3	109.7	3.40	4.00	3.16 YES
L0000137	0	0.33445E-02	503887.6	3634475.7	109.7	3.40	4.00	3.16 YES
L0000138	0	0.33445E-02	503887.3	3634467.1	109.8	3.40	4.00	3.16 YES
L0000139	0	0.33445E-02	503887.1	3634458.6	109.8	3.40	4.00	3.16 YES
L0000140	0	0.33445E-02	503886.9	3634450.0	109.8	3.40	4.00	3.16 YES
L0000141	0	0.33445E-02	503886.7	3634441.4	109.9	3.40	4.00	3.16 YES
L0000142	0	0.33445E-02	503886.5	3634432.8	109.9	3.40	4.00	3.16 YES
L0000143	0	0.33445E-02	503886.3	3634424.2	109.9	3.40	4.00	3.16 YES
L0000144	0	0.33445E-02	503886.1	3634415.6	109.7	3.40	4.00	3.16 YES

```
 L0000145         0   0.33445E-02  503885.9 3634407.0   109.4     3.40     4.00
3.16     YES
 L0000146         0   0.33445E-02  503885.7 3634398.4   109.2     3.40     4.00
3.16     YES
 L0000147         0   0.33445E-02  503881.9 3634393.5   109.3     3.40     4.00
3.16     YES
 L0000148         0   0.33445E-02  503873.3 3634393.7   109.4     3.40     4.00
3.16     YES
 L0000149         0   0.33445E-02  503864.7 3634393.9   109.6     3.40     4.00
3.16     YES
 L0000150         0   0.33445E-02  503856.1 3634394.1   109.6     3.40     4.00
3.16     YES
 L0000151         0   0.33445E-02  503847.5 3634394.2   109.5     3.40     4.00
3.16     YES
 L0000152         0   0.33445E-02  503838.9 3634394.4   109.5     3.40     4.00
3.16     YES
 L0000153         0   0.33445E-02  503830.3 3634394.6   109.4     3.40     4.00
3.16     YES
 L0000154         0   0.33445E-02  503821.7 3634394.8   109.4     3.40     4.00
3.16     YES
 L0000155         0   0.33445E-02  503813.1 3634395.0   109.3     3.40     4.00
3.16     YES
 L0000156         0   0.33445E-02  503804.5 3634395.1   109.3     3.40     4.00
3.16     YES
 L0000157         0   0.33445E-02  503795.9 3634395.3   109.2     3.40     4.00
3.16     YES
 L0000158         0   0.33445E-02  503787.3 3634395.5   109.1     3.40     4.00
3.16     YES
 L0000159         0   0.33445E-02  503778.7 3634395.7   109.1     3.40     4.00
3.16     YES
 L0000160         0   0.33445E-02  503770.1 3634395.8   109.1     3.40     4.00
3.16     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

- -

- - - - - - - - - - - - - - - - - - - -

L0000161	0	0.33445E-02	503761.5	3634396.0	109.1	3.40	4.00	3.16 YES
L0000162	0	0.33445E-02	503752.9	3634396.2	109.1	3.40	4.00	3.16 YES
L0000163	0	0.33445E-02	503744.3	3634396.4	109.0	3.40	4.00	3.16 YES
L0000164	0	0.33445E-02	503735.7	3634396.6	109.0	3.40	4.00	3.16 YES
L0000165	0	0.33445E-02	503727.1	3634396.7	109.0	3.40	4.00	3.16 YES
L0000166	0	0.33445E-02	503718.5	3634396.9	108.9	3.40	4.00	3.16 YES
L0000167	0	0.33445E-02	503710.9	3634398.0	108.9	3.40	4.00	3.16 YES
L0000168	0	0.33445E-02	503711.3	3634406.6	108.8	3.40	4.00	3.16 YES
L0000169	0	0.33445E-02	503711.6	3634415.2	108.8	3.40	4.00	3.16 YES
L0000170	0	0.33445E-02	503712.0	3634423.8	108.7	3.40	4.00	3.16 YES
L0000171	0	0.33445E-02	503712.4	3634432.3	108.6	3.40	4.00	3.16 YES
L0000172	0	0.33445E-02	503712.8	3634440.9	108.6	3.40	4.00	3.16 YES
L0000173	0	0.33445E-02	503713.2	3634449.5	108.5	3.40	4.00	3.16 YES
L0000174	0	0.33445E-02	503713.5	3634458.1	108.5	3.40	4.00	3.16 YES
L0000175	0	0.33445E-02	503713.9	3634466.7	108.4	3.40	4.00	3.16 YES
L0000176	0	0.33445E-02	503714.3	3634475.3	108.3	3.40	4.00	3.16 YES
L0000177	0	0.33445E-02	503714.7	3634483.9	108.2	3.40	4.00	3.16 YES
L0000178	0	0.33445E-02	503715.1	3634492.5	108.2	3.40	4.00	3.16 YES
L0000179	0	0.33445E-02	503719.3	3634499.4	108.2	3.40	4.00	3.16 YES
L0000180	0	0.33445E-02	503725.4	3634505.5	108.1	3.40	4.00	3.16 YES
L0000181	0	0.33445E-02	503731.9	3634510.4	108.1	3.40	4.00	3.16 YES
L0000182	0	0.33445E-02	503740.5	3634510.1	108.1	3.40	4.00	3.16 YES
L0000183	0	0.33445E-02	503749.1	3634509.9	108.1	3.40	4.00	3.16 YES
L0000184	0	0.33445E-02	503757.7	3634509.6	108.1	3.40	4.00	3.16 YES

```
 L0000185         0   0.33445E-02  503766.3 3634509.4   108.1     3.40     4.00
3.16     YES
 L0000186         0   0.33445E-02  503774.9 3634509.1   108.2     3.40     4.00
3.16     YES
 L0000187         0   0.33445E-02  503783.5 3634508.9   108.2     3.40     4.00
3.16     YES
 L0000188         0   0.33445E-02  503792.1 3634508.6   108.2     3.40     4.00
3.16     YES
 L0000189         0   0.33445E-02  503800.7 3634508.4   108.3     3.40     4.00
3.16     YES
 L0000190         0   0.33445E-02  503808.0 3634511.4   108.3     3.40     4.00
3.16     YES
 L0000191         0   0.33445E-02  503814.2 3634517.4   108.3     3.40     4.00
3.16     YES
 L0000192         0   0.33445E-02  503820.4 3634523.3   108.3     3.40     4.00
3.16     YES
 L0000193         0   0.33445E-02  503828.1 3634525.6   108.4     3.40     4.00
3.16     YES
 L0000194         0   0.33445E-02  503836.7 3634525.6   108.5     3.40     4.00
3.16     YES
 L0000195         0   0.33445E-02  503845.3 3634525.6   108.7     3.40     4.00
3.16     YES
 L0000196         0   0.33445E-02  503853.9 3634525.6   109.0     3.40     4.00
3.16     YES
 L0000197         0   0.33445E-02  503862.5 3634525.6   109.1     3.40     4.00
3.16     YES
 L0000198         0   0.33445E-02  503871.1 3634525.6   109.3     3.40     4.00
3.16     YES
 L0000199         0   0.33445E-02  503872.4 3634518.5   109.4     3.40     4.00
3.16     YES
 L0000200         0   0.33445E-02  503872.2 3634509.9   109.5     3.40     4.00
3.16     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

- -

- - - - - - - - - - - - - - - - - - - -

L0000201	0	0.33445E-02	503872.0	3634501.3	109.5	3.40	4.00	3.16	YES
L0000202	0	0.33445E-02	503871.8	3634492.7	109.5	3.40	4.00	3.16	YES
L0000203	0	0.33445E-02	503871.5	3634484.1	109.6	3.40	4.00	3.16	YES
L0000204	0	0.33445E-02	503871.3	3634475.5	109.6	3.40	4.00	3.16	YES
L0000205	0	0.33445E-02	503871.1	3634466.9	109.6	3.40	4.00	3.16	YES
L0000206	0	0.33445E-02	503870.9	3634458.3	109.6	3.40	4.00	3.16	YES
L0000207	0	0.33445E-02	503870.7	3634449.7	109.6	3.40	4.00	3.16	YES
L0000208	0	0.33445E-02	503870.4	3634441.1	109.7	3.40	4.00	3.16	YES
L0000209	0	0.33445E-02	503870.2	3634432.5	109.7	3.40	4.00	3.16	YES
L0000210	0	0.33445E-02	503870.0	3634423.9	109.7	3.40	4.00	3.16	YES
L0000211	0	0.33445E-02	503869.8	3634415.3	109.6	3.40	4.00	3.16	YES
L0000212	0	0.33445E-02	503864.2	3634412.3	109.6	3.40	4.00	3.16	YES
L0000213	0	0.33445E-02	503855.6	3634412.4	109.6	3.40	4.00	3.16	YES
L0000214	0	0.33445E-02	503847.0	3634412.5	109.5	3.40	4.00	3.16	YES
L0000215	0	0.33445E-02	503838.4	3634412.6	109.4	3.40	4.00	3.16	YES
L0000216	0	0.33445E-02	503829.8	3634412.6	109.3	3.40	4.00	3.16	YES
L0000217	0	0.33445E-02	503821.2	3634412.7	109.3	3.40	4.00	3.16	YES
L0000218	0	0.33445E-02	503812.6	3634412.8	109.2	3.40	4.00	3.16	YES
L0000219	0	0.33445E-02	503804.0	3634412.9	109.2	3.40	4.00	3.16	YES
L0000220	0	0.33445E-02	503795.4	3634413.0	109.1	3.40	4.00	3.16	YES
L0000221	0	0.33445E-02	503786.8	3634413.1	109.1	3.40	4.00	3.16	YES
L0000222	0	0.33445E-02	503778.2	3634413.2	109.0	3.40	4.00	3.16	YES
L0000223	0	0.33445E-02	503769.6	3634413.3	109.0	3.40	4.00	3.16	YES
L0000224	0	0.33445E-02	503761.0	3634413.4	109.0	3.40	4.00	3.16	YES

```
 L0000225         0   0.33445E-02  503752.4 3634413.5   109.0     3.40     4.00
3.16     YES
 L0000226         0   0.33445E-02  503743.8 3634413.5   108.9     3.40     4.00
3.16     YES
 L0000227         0   0.33445E-02  503735.2 3634413.6   108.9     3.40     4.00
3.16     YES
 L0000228         0   0.33445E-02  503731.2 3634418.1   108.8     3.40     4.00
3.16     YES
 L0000229         0   0.33445E-02  503731.4 3634426.7   108.8     3.40     4.00
3.16     YES
 L0000230         0   0.33445E-02  503731.7 3634435.3   108.8     3.40     4.00
3.16     YES
 L0000231         0   0.33445E-02  503731.9 3634443.9   108.7     3.40     4.00
3.16     YES
 L0000232         0   0.33445E-02  503732.2 3634452.5   108.7     3.40     4.00
3.16     YES
 L0000233         0   0.33445E-02  503732.4 3634461.1   108.6     3.40     4.00
3.16     YES
 L0000234         0   0.33445E-02  503732.6 3634469.7   108.5     3.40     4.00
3.16     YES
 L0000235         0   0.33445E-02  503732.9 3634478.3   108.3     3.40     4.00
3.16     YES
 L0000236         0   0.33445E-02  503733.1 3634486.9   108.2     3.40     4.00
3.16     YES
 L0000237         0   0.33445E-02  503738.5 3634490.2   108.2     3.40     4.00
3.16     YES
 L0000238         0   0.33445E-02  503747.1 3634490.2   108.3     3.40     4.00
3.16     YES
 L0000239         0   0.33445E-02  503755.7 3634490.2   108.4     3.40     4.00
3.16     YES
 L0000240         0   0.33445E-02  503764.3 3634490.2   108.4     3.40     4.00
3.16     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

- -

- - - - - - - - - - - - - - - - - - - -

L0000241	0	0.33445E-02	503772.9	3634490.2	108.4	3.40	4.00	3.16 YES
L0000242	0	0.33445E-02	503781.5	3634490.2	108.3	3.40	4.00	3.16 YES
L0000243	0	0.33445E-02	503790.1	3634490.2	108.4	3.40	4.00	3.16 YES
L0000244	0	0.33445E-02	503798.7	3634490.2	108.4	3.40	4.00	3.16 YES
L0000245	0	0.33445E-02	503807.3	3634490.2	108.4	3.40	4.00	3.16 YES
L0000246	0	0.33445E-02	503814.8	3634494.3	108.5	3.40	4.00	3.16 YES
L0000247	0	0.33445E-02	503822.3	3634498.6	108.5	3.40	4.00	3.16 YES
L0000248	0	0.33445E-02	503829.8	3634502.9	108.6	3.40	4.00	3.16 YES
L0000249	0	0.33445E-02	503837.2	3634507.1	108.7	3.40	4.00	3.16 YES
L0000250	0	0.33445E-02	503845.0	3634510.5	108.9	3.40	4.00	3.16 YES
L0000251	0	0.33445E-02	503853.5	3634511.0	109.1	3.40	4.00	3.16 YES
L0000252	0	0.33445E-02	503856.4	3634505.7	109.2	3.40	4.00	3.16 YES
L0000253	0	0.33445E-02	503855.8	3634497.2	109.3	3.40	4.00	3.16 YES
L0000254	0	0.33445E-02	503855.3	3634488.6	109.4	3.40	4.00	3.16 YES
L0000255	0	0.33445E-02	503854.7	3634480.0	109.3	3.40	4.00	3.16 YES
L0000256	0	0.33445E-02	503854.2	3634471.4	109.3	3.40	4.00	3.16 YES
L0000257	0	0.33445E-02	503853.6	3634462.8	109.3	3.40	4.00	3.16 YES
L0000258	0	0.33445E-02	503853.1	3634454.2	109.4	3.40	4.00	3.16 YES
L0000259	0	0.33445E-02	503852.5	3634445.7	109.4	3.40	4.00	3.16 YES
L0000260	0	0.33445E-02	503852.0	3634437.1	109.5	3.40	4.00	3.16 YES
L0000261	0	0.33445E-02	503848.4	3634431.7	109.4	3.40	4.00	3.16 YES
L0000262	0	0.33445E-02	503839.8	3634431.7	109.3	3.40	4.00	3.16 YES
L0000263	0	0.33445E-02	503831.2	3634431.7	109.2	3.40	4.00	3.16 YES
L0000264	0	0.33445E-02	503822.6	3634431.7	109.2	3.40	4.00	3.16 YES

```
 L0000265         0   0.33445E-02  503814.0 3634431.7   109.1     3.40     4.00
3.16     YES
 L0000266         0   0.33445E-02  503805.4 3634431.7   109.0     3.40     4.00
3.16     YES
 L0000267         0   0.33445E-02  503796.8 3634431.7   109.0     3.40     4.00
3.16     YES
 L0000268         0   0.33445E-02  503788.2 3634431.7   109.0     3.40     4.00
3.16     YES
 L0000269         0   0.33445E-02  503779.6 3634431.7   109.0     3.40     4.00
3.16     YES
 L0000270         0   0.33445E-02  503771.0 3634431.7   108.9     3.40     4.00
3.16     YES
 L0000271         0   0.33445E-02  503762.4 3634431.7   108.9     3.40     4.00
3.16     YES
 L0000272         0   0.33445E-02  503753.8 3634431.7   108.9     3.40     4.00
3.16     YES
 L0000273         0   0.33445E-02  503749.2 3634435.6   108.8     3.40     4.00
3.16     YES
 L0000274         0   0.33445E-02  503749.3 3634444.2   108.7     3.40     4.00
3.16     YES
 L0000275         0   0.33445E-02  503749.5 3634452.8   108.6     3.40     4.00
3.16     YES
 L0000276         0   0.33445E-02  503749.7 3634461.4   108.6     3.40     4.00
3.16     YES
 L0000277         0   0.33445E-02  503749.8 3634470.0   108.5     3.40     4.00
3.16     YES
 L0000278         0   0.33445E-02  503757.0 3634471.7   108.5     3.40     4.00
3.16     YES
 L0000279         0   0.33445E-02  503765.6 3634472.0   108.5     3.40     4.00
3.16     YES
 L0000280         0   0.33445E-02  503774.2 3634472.3   108.5     3.40     4.00
3.16     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY

- -

```
- - - - - - - - - - - - - - - - - - -

 L0000281         0   0.33445E-02  503782.8 3634472.6   108.6     3.40     4.00
3.16     YES
 L0000282         0   0.33445E-02  503791.4 3634473.0   108.6     3.40     4.00
3.16     YES
 L0000283         0   0.33445E-02  503800.0 3634473.3   108.6     3.40     4.00
3.16     YES
 L0000284         0   0.33445E-02  503808.6 3634473.6   108.7     3.40     4.00
3.16     YES
 L0000285         0   0.33445E-02  503816.5 3634476.8   108.7     3.40     4.00
3.16     YES
 L0000286         0   0.33445E-02  503824.5 3634480.2   108.8     3.40     4.00
3.16     YES
 L0000287         0   0.33445E-02  503832.4 3634483.5   108.8     3.40     4.00
3.16     YES
 L0000288         0   0.33445E-02  503837.8 3634483.3   109.0     3.40     4.00
3.16     YES
 L0000289         0   0.33445E-02  503837.5 3634474.7   109.0     3.40     4.00
3.16     YES
 L0000290         0   0.33445E-02  503837.1 3634466.1   109.1     3.40     4.00
3.16     YES
 L0000291         0   0.33445E-02  503836.7 3634457.6   109.1     3.40     4.00
3.16     YES
 L0000292         0   0.33445E-02  503834.2 3634451.2   109.2     3.40     4.00
3.16     YES
 L0000293         0   0.33445E-02  503825.6 3634451.1   109.1     3.40     4.00
3.16     YES
 L0000294         0   0.33445E-02  503817.0 3634451.0   109.0     3.40     4.00
3.16     YES
 L0000295         0   0.33445E-02  503808.4 3634450.9   108.9     3.40     4.00
3.16     YES
 L0000296         0   0.33445E-02  503799.8 3634450.8   108.9     3.40     4.00
3.16     YES
 L0000297         0   0.33445E-02  503791.2 3634450.7   108.8     3.40     4.00
3.16     YES
 L0000298         0   0.33445E-02  503782.6 3634450.7   108.8     3.40     4.00
3.16     YES
 L0000299         0   0.33445E-02  503774.0 3634450.6   108.8     3.40     4.00
3.16     YES
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
```

SRCGROUP ID	SOURCE IDs
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
	L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 ,
	L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 ,
	L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 ,
	L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 ,
	L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 ,
	L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,	
L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 ,	
L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 ,	
L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 ,	
L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 ,	
L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 ,	
L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 , L0000215 , L0000216 ,	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	3276208.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,

```
            L0000009    , L0000010    , L0000011    , L0000012    , L0000013    ,
L0000014    , L0000015    , L0000016    ,

            L0000017    , L0000018    , L0000019    , L0000020    , L0000021    ,
L0000022    , L0000023    , L0000024    ,

            L0000025    , L0000026    , L0000027    , L0000028    , L0000029    ,
L0000030    , L0000031    , L0000032    ,

            L0000033    , L0000034    , L0000035    , L0000036    , L0000037    ,
L0000038    , L0000039    , L0000040    ,

            L0000041    , L0000042    , L0000043    , L0000044    , L0000045    ,
L0000046    , L0000047    , L0000048    ,

            L0000049    , L0000050    , L0000051    , L0000052    , L0000053    ,
L0000054    , L0000055    , L0000056    ,

            L0000057    , L0000058    , L0000059    , L0000060    , L0000061    ,
L0000062    , L0000063    , L0000064    ,

            L0000065    , L0000066    , L0000067    , L0000068    , L0000069    ,
L0000070    , L0000071    , L0000072    ,

            L0000073    , L0000074    , L0000075    , L0000076    , L0000077    ,
L0000078    , L0000079    , L0000080    ,

            L0000081    , L0000082    , L0000083    , L0000084    , L0000085    ,
L0000086    , L0000087    , L0000088    ,

            L0000089    , L0000090    , L0000091    , L0000092    , L0000093    ,
L0000094    , L0000095    , L0000096    ,

            L0000097    , L0000098    , L0000099    , L0000100    , L0000101    ,
L0000102    , L0000103    , L0000104    ,

            L0000105    , L0000106    , L0000107    , L0000108    , L0000109    ,
L0000110    , L0000111    , L0000112    ,

            L0000113    , L0000114    , L0000115    , L0000116    , L0000117    ,
L0000118    , L0000119    , L0000120    ,

            L0000121    , L0000122    , L0000123    , L0000124    , L0000125    ,
L0000126    , L0000127    , L0000128    ,

            L0000129    , L0000130    , L0000131    , L0000132    , L0000133    ,
L0000134    , L0000135    , L0000136    ,

            L0000137    , L0000138    , L0000139    , L0000140    , L0000141    ,
```

L0000142   , L0000143   , L0000144   ,

             L0000145   , L0000146   , L0000147   , L0000148   , L0000149   ,
L0000150   , L0000151   , L0000152   ,

             L0000153   , L0000154   , L0000155   , L0000156   , L0000157   ,
L0000158   , L0000159   , L0000160   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

             L0000161   , L0000162   , L0000163   , L0000164   , L0000165   ,
L0000166   , L0000167   , L0000168   ,

             L0000169   , L0000170   , L0000171   , L0000172   , L0000173   ,
L0000174   , L0000175   , L0000176   ,

             L0000177   , L0000178   , L0000179   , L0000180   , L0000181   ,
L0000182   , L0000183   , L0000184   ,

             L0000185   , L0000186   , L0000187   , L0000188   , L0000189   ,
L0000190   , L0000191   , L0000192   ,

             L0000193   , L0000194   , L0000195   , L0000196   , L0000197   ,
L0000198   , L0000199   , L0000200   ,

             L0000201   , L0000202   , L0000203   , L0000204   , L0000205   ,
L0000206   , L0000207   , L0000208   ,

             L0000209   , L0000210   , L0000211   , L0000212   , L0000213   ,
L0000214   , L0000215   , L0000216   ,

             L0000217   , L0000218   , L0000219   , L0000220   , L0000221   ,
L0000222   , L0000223   , L0000224   ,

             L0000225   , L0000226   , L0000227   , L0000228   , L0000229   ,
L0000230   , L0000231   , L0000232   ,

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(502722.0, 3633475.9, 108.6, 318.9, 0.0); (502772.0, 3633475.9, 109.0, 329.3, 0.0);
(502822.0, 3633475.9, 109.1, 329.9, 0.0); (502872.0, 3633475.9, 109.6, 335.8, 0.0);
(502922.0, 3633475.9, 111.1, 336.9, 0.0); (502972.0, 3633475.9, 111.1, 337.5, 0.0);
(503022.0, 3633475.9, 110.8, 338.6, 0.0); (503072.0, 3633475.9, 111.3, 338.6, 0.0);
(503122.0, 3633475.9, 110.6, 338.7, 0.0); (503172.0, 3633475.9, 109.5, 363.3, 0.0);
(503222.0, 3633475.9, 112.2, 363.3, 0.0); (503272.0, 3633475.9, 113.0, 363.3, 0.0);
(503322.0, 3633475.9, 117.1, 363.3, 0.0); (503372.0,

3633475.9,   132.0,   360.8,   0.0);
     (503422.0, 3633475.9,   132.9,   362.2,   0.0);   (503472.0,
3633475.9,   133.1,   363.3,   0.0);
     (503522.0, 3633475.9,   131.9,   363.3,   0.0);   (503622.0,
3633475.9,   134.8,   363.3,   0.0);
     (503672.0, 3633475.9,   144.7,   363.3,   0.0);   (503722.0,
3633475.9,   154.1,   363.3,   0.0);
     (503772.0, 3633475.9,   155.0,   363.3,   0.0);   (503822.0,
3633475.9,   162.1,   363.3,   0.0);
     (503872.0, 3633475.9,   164.0,   363.3,   0.0);   (503922.0,
3633475.9,   157.3,   363.3,   0.0);
     (503972.0, 3633475.9,   157.9,   363.3,   0.0);   (504022.0,
3633475.9,   164.6,   363.3,   0.0);
     (504072.0, 3633475.9,   163.7,   363.3,   0.0);   (504122.0,
3633475.9,   159.1,   363.3,   0.0);
     (504172.0, 3633475.9,   164.3,   363.3,   0.0);   (504222.0,
3633475.9,   161.3,   363.3,   0.0);
     (504272.0, 3633475.9,   156.8,   363.3,   0.0);   (504322.0,
3633475.9,   156.6,   363.3,   0.0);
     (504372.0, 3633475.9,   169.9,   363.3,   0.0);   (504422.0,
3633475.9,   184.6,   363.3,   0.0);
     (504472.0, 3633475.9,   198.5,   363.3,   0.0);   (504522.0,
3633475.9,   206.1,   363.3,   0.0);
     (504572.0, 3633475.9,   198.9,   363.3,   0.0);   (504622.0,
3633475.9,   189.2,   363.3,   0.0);
     (504672.0, 3633475.9,   185.1,   363.3,   0.0);   (504722.0,
3633475.9,   177.9,   363.3,   0.0);
     (502722.0, 3633525.9,   107.7,   318.9,   0.0);   (502772.0,
3633525.9,   107.8,   329.3,   0.0);
     (502822.0, 3633525.9,   108.1,   329.9,   0.0);   (502872.0,
3633525.9,   109.0,   335.8,   0.0);
     (502922.0, 3633525.9,   109.8,   336.5,   0.0);   (502972.0,
3633525.9,   109.8,   337.5,   0.0);
     (503022.0, 3633525.9,   109.9,   338.6,   0.0);   (503072.0,
3633525.9,   109.8,   338.6,   0.0);
     (503122.0, 3633525.9,   108.8,   338.7,   0.0);   (503172.0,
3633525.9,   109.0,   362.2,   0.0);
     (503222.0, 3633525.9,   109.8,   363.3,   0.0);   (503272.0,
3633525.9,   112.9,   363.3,   0.0);
     (503322.0, 3633525.9,   113.5,   363.3,   0.0);   (503372.0,
3633525.9,   120.7,   363.3,   0.0);
     (503422.0, 3633525.9,   123.4,   363.3,   0.0);   (503472.0,
3633525.9,   124.7,   363.3,   0.0);
     (503522.0, 3633525.9,   127.5,   363.3,   0.0);   (503622.0,
3633525.9,   126.8,   363.3,   0.0);
     (503672.0, 3633525.9,   132.2,   363.3,   0.0);   (503722.0,
3633525.9,   134.0,   363.3,   0.0);
     (503772.0, 3633525.9,   142.6,   363.3,   0.0);   (503822.0,
3633525.9,   152.7,   363.3,   0.0);
     (503872.0, 3633525.9,   151.0,   363.3,   0.0);   (503922.0,

3633525.9,   145.9,   363.3,   0.0);
     (503972.0, 3633525.9,   149.8,   363.3,   0.0);   (504022.0,
3633525.9,   156.8,   363.3,   0.0);
     (504072.0, 3633525.9,   155.3,   363.3,   0.0);   (504122.0,
3633525.9,   150.5,   363.3,   0.0);
     (504172.0, 3633525.9,   150.2,   363.3,   0.0);   (504222.0,
3633525.9,   149.0,   363.3,   0.0);
     (504272.0, 3633525.9,   151.6,   363.3,   0.0);   (504322.0,
3633525.9,   168.8,   363.3,   0.0);
     (504372.0, 3633525.9,   179.5,   363.3,   0.0);   (504422.0,
3633525.9,   191.9,   363.3,   0.0);
     (504472.0, 3633525.9,   201.4,   363.3,   0.0);   (504522.0,
3633525.9,   194.5,   363.3,   0.0);
     (504572.0, 3633525.9,   183.6,   363.3,   0.0);   (504622.0,
3633525.9,   176.7,   363.3,   0.0);
     (504672.0, 3633525.9,   175.9,   363.3,   0.0);   (504722.0,
3633525.9,   176.7,   363.3,   0.0);
     (502722.0, 3633575.9,   106.8,   318.9,   0.0);   (502772.0,
3633575.9,   106.9,   328.1,   0.0);
     (502822.0, 3633575.9,   107.5,   329.9,   0.0);   (502872.0,
3633575.9,   108.4,   335.8,   0.0);
     (502922.0, 3633575.9,   108.5,   336.5,   0.0);   (502972.0,
3633575.9,   108.8,   337.5,   0.0);
     (503022.0, 3633575.9,   109.7,   338.4,   0.0);   (503072.0,
3633575.9,   109.5,   338.6,   0.0);
     (503122.0, 3633575.9,   108.6,   338.7,   0.0);   (503172.0,
3633575.9,   108.7,   360.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (503222.0, 3633575.9,   109.6,   362.2,   0.0);   (503272.0,
3633575.9,   110.7,   363.3,   0.0);
     (503322.0, 3633575.9,   113.1,   363.3,   0.0);   (503372.0,
3633575.9,   115.7,   363.3,   0.0);
     (503422.0, 3633575.9,   117.1,   363.3,   0.0);   (503472.0,
3633575.9,   119.0,   363.3,   0.0);
     (503522.0, 3633575.9,   118.4,   363.3,   0.0);   (503622.0,
3633575.9,   126.3,   363.3,   0.0);
     (503672.0, 3633575.9,   127.0,   363.3,   0.0);   (503722.0,
3633575.9,   127.3,   363.3,   0.0);
     (503772.0, 3633575.9,   133.9,   363.3,   0.0);   (503822.0,

3633575.9,   139.7,   363.3,   0.0);
     (503872.0, 3633575.9,   137.1,   363.3,   0.0);   (503922.0,
3633575.9,   137.6,   363.3,   0.0);
     (503972.0, 3633575.9,   142.4,   363.3,   0.0);   (504022.0,
3633575.9,   144.0,   363.3,   0.0);
     (504072.0, 3633575.9,   146.5,   363.3,   0.0);   (504122.0,
3633575.9,   143.9,   363.3,   0.0);
     (504172.0, 3633575.9,   143.1,   363.3,   0.0);   (504222.0,
3633575.9,   141.5,   363.3,   0.0);
     (504272.0, 3633575.9,   152.8,   363.3,   0.0);   (504322.0,
3633575.9,   170.7,   363.3,   0.0);
     (504372.0, 3633575.9,   181.0,   363.3,   0.0);   (504422.0,
3633575.9,   195.9,   363.3,   0.0);
     (504472.0, 3633575.9,   197.0,   363.3,   0.0);   (504522.0,
3633575.9,   182.5,   363.3,   0.0);
     (504572.0, 3633575.9,   171.1,   363.3,   0.0);   (504622.0,
3633575.9,   173.3,   363.3,   0.0);
     (504672.0, 3633575.9,   175.4,   363.3,   0.0);   (504722.0,
3633575.9,   176.5,   363.3,   0.0);
     (502722.0, 3633625.9,   106.7,   318.9,   0.0);   (502772.0,
3633625.9,   106.8,   318.9,   0.0);
     (502822.0, 3633625.9,   106.8,   329.9,   0.0);   (502872.0,
3633625.9,   107.1,   335.8,   0.0);
     (502922.0, 3633625.9,   107.4,   336.5,   0.0);   (502972.0,
3633625.9,   108.2,   337.2,   0.0);
     (503022.0, 3633625.9,   109.0,   337.8,   0.0);   (503072.0,
3633625.9,   108.6,   338.6,   0.0);
     (503122.0, 3633625.9,   108.2,   338.7,   0.0);   (503172.0,
3633625.9,   108.6,   338.7,   0.0);
     (503222.0, 3633625.9,   109.0,   362.2,   0.0);   (503272.0,
3633625.9,   110.5,   363.3,   0.0);
     (503322.0, 3633625.9,   112.3,   363.3,   0.0);   (503372.0,
3633625.9,   113.7,   363.3,   0.0);
     (503422.0, 3633625.9,   115.6,   363.3,   0.0);   (503472.0,
3633625.9,   117.1,   363.3,   0.0);
     (503522.0, 3633625.9,   117.5,   363.3,   0.0);   (503622.0,
3633625.9,   123.0,   363.3,   0.0);
     (503672.0, 3633625.9,   126.5,   363.3,   0.0);   (503722.0,
3633625.9,   125.5,   363.3,   0.0);
     (503772.0, 3633625.9,   132.4,   363.3,   0.0);   (503822.0,
3633625.9,   134.3,   363.3,   0.0);
     (503872.0, 3633625.9,   133.4,   363.3,   0.0);   (503922.0,
3633625.9,   135.7,   363.3,   0.0);
     (503972.0, 3633625.9,   136.9,   363.3,   0.0);   (504022.0,
3633625.9,   139.9,   363.3,   0.0);
     (504072.0, 3633625.9,   142.2,   363.3,   0.0);   (504122.0,
3633625.9,   138.8,   363.3,   0.0);
     (504172.0, 3633625.9,   138.0,   363.3,   0.0);   (504222.0,
3633625.9,   139.4,   363.3,   0.0);
     (504272.0, 3633625.9,   147.8,   363.3,   0.0);   (504322.0,

3633625.9,   158.6,   363.3,   0.0);
     (504372.0, 3633625.9,   173.5,   363.3,   0.0);   (504422.0,
3633625.9,   185.2,   363.3,   0.0);
     (504472.0, 3633625.9,   187.2,   363.3,   0.0);   (504522.0,
3633625.9,   169.9,   363.3,   0.0);
     (504572.0, 3633625.9,   167.1,   363.3,   0.0);   (504622.0,
3633625.9,   169.8,   363.3,   0.0);
     (504672.0, 3633625.9,   167.4,   363.3,   0.0);   (504722.0,
3633625.9,   171.9,   363.3,   0.0);
     (502722.0, 3633675.9,   106.6,   318.9,   0.0);   (502772.0,
3633675.9,   106.5,   318.9,   0.0);
     (502822.0, 3633675.9,   106.5,   329.3,   0.0);   (502872.0,
3633675.9,   106.6,   333.6,   0.0);
     (502922.0, 3633675.9,   107.4,   336.5,   0.0);   (502972.0,
3633675.9,   107.9,   337.2,   0.0);
     (503022.0, 3633675.9,   108.4,   337.5,   0.0);   (503072.0,
3633675.9,   108.1,   338.6,   0.0);
     (503122.0, 3633675.9,   108.1,   338.7,   0.0);   (503172.0,
3633675.9,   108.3,   338.7,   0.0);
     (503222.0, 3633675.9,   108.8,   360.8,   0.0);   (503272.0,
3633675.9,   109.7,   362.2,   0.0);
     (503322.0, 3633675.9,   111.0,   363.3,   0.0);   (503372.0,
3633675.9,   111.3,   363.3,   0.0);
     (503422.0, 3633675.9,   112.1,   363.3,   0.0);   (503472.0,
3633675.9,   113.8,   363.3,   0.0);
     (503522.0, 3633675.9,   114.4,   363.3,   0.0);   (503572.0,
3633675.9,   121.2,   363.3,   0.0);
     (503672.0, 3633675.9,   125.0,   363.3,   0.0);   (503722.0,
3633675.9,   125.2,   363.3,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (503772.0, 3633675.9,   126.7,   363.3,   0.0);   (503822.0,
3633675.9,   129.2,   363.3,   0.0);
     (503872.0, 3633675.9,   131.5,   363.3,   0.0);   (503922.0,
3633675.9,   132.4,   363.3,   0.0);
     (503972.0, 3633675.9,   134.4,   363.3,   0.0);   (504022.0,
3633675.9,   136.5,   363.3,   0.0);
     (504072.0, 3633675.9,   136.7,   363.3,   0.0);   (504122.0,
3633675.9,   135.2,   363.3,   0.0);
     (504172.0, 3633675.9,   134.2,   363.3,   0.0);   (504222.0,

```
3633675.9,     135.2,     363.3,       0.0);
     ( 504272.0, 3633675.9,     141.0,     363.3,       0.0);         ( 504322.0,
3633675.9,     151.9,     363.3,       0.0);
     ( 504372.0, 3633675.9,     165.9,     363.3,       0.0);         ( 504422.0,
3633675.9,     173.8,     363.3,       0.0);
     ( 504472.0, 3633675.9,     167.4,     363.3,       0.0);         ( 504522.0,
3633675.9,     161.5,     363.3,       0.0);
     ( 504572.0, 3633675.9,     163.4,     363.3,       0.0);         ( 504622.0,
3633675.9,     164.4,     363.3,       0.0);
     ( 504672.0, 3633675.9,     165.5,     363.3,       0.0);         ( 504722.0,
3633675.9,     166.1,     363.3,       0.0);
     ( 502722.0, 3633725.9,     106.6,     318.9,       0.0);         ( 502772.0,
3633725.9,     106.7,     318.9,       0.0);
     ( 502822.0, 3633725.9,     106.4,     328.1,       0.0);         ( 502872.0,
3633725.9,     106.8,     329.9,       0.0);
     ( 502922.0, 3633725.9,     108.0,     335.8,       0.0);         ( 502972.0,
3633725.9,     108.1,     336.5,       0.0);
     ( 503022.0, 3633725.9,     107.3,     337.5,       0.0);         ( 503072.0,
3633725.9,     107.9,     338.4,       0.0);
     ( 503122.0, 3633725.9,     108.0,     338.6,       0.0);         ( 503172.0,
3633725.9,     108.1,     338.7,       0.0);
     ( 503222.0, 3633725.9,     108.6,     338.7,       0.0);         ( 503272.0,
3633725.9,     108.8,     360.8,       0.0);
     ( 503322.0, 3633725.9,     109.2,     363.3,       0.0);         ( 503372.0,
3633725.9,     109.3,     363.3,       0.0);
     ( 503422.0, 3633725.9,     109.5,     363.3,       0.0);         ( 503472.0,
3633725.9,     112.5,     363.3,       0.0);
     ( 503522.0, 3633725.9,     113.3,     363.3,       0.0);         ( 503572.0,
3633725.9,     114.8,     363.3,       0.0);
     ( 503722.0, 3633725.9,     121.3,     363.3,       0.0);         ( 503772.0,
3633725.9,     124.6,     363.3,       0.0);
     ( 503822.0, 3633725.9,     126.0,     363.3,       0.0);         ( 503872.0,
3633725.9,     128.6,     363.3,       0.0);
     ( 503922.0, 3633725.9,     130.0,     363.3,       0.0);         ( 503972.0,
3633725.9,     132.9,     363.3,       0.0);
     ( 504022.0, 3633725.9,     134.2,     363.3,       0.0);         ( 504072.0,
3633725.9,     134.0,     363.3,       0.0);
     ( 504122.0, 3633725.9,     131.2,     363.3,       0.0);         ( 504172.0,
3633725.9,     131.7,     363.3,       0.0);
     ( 504222.0, 3633725.9,     133.4,     363.3,       0.0);         ( 504272.0,
3633725.9,     134.1,     363.3,       0.0);
     ( 504322.0, 3633725.9,     144.8,     363.3,       0.0);         ( 504372.0,
3633725.9,     155.4,     363.3,       0.0);
     ( 504422.0, 3633725.9,     159.7,     363.3,       0.0);         ( 504472.0,
3633725.9,     156.9,     363.3,       0.0);
     ( 504522.0, 3633725.9,     157.0,     363.3,       0.0);         ( 504572.0,
3633725.9,     159.3,     363.3,       0.0);
     ( 504622.0, 3633725.9,     155.1,     363.3,       0.0);         ( 504672.0,
3633725.9,     157.2,     363.3,       0.0);
     ( 504722.0, 3633725.9,     161.0,     363.3,       0.0);         ( 502722.0,
```

3633775.9,   106.4,   318.9,   0.0);
     (502772.0, 3633775.9,   106.6,   318.9,   0.0);   (502822.0,
3633775.9,   106.6,   318.9,   0.0);
     (502872.0, 3633775.9,   106.7,   329.3,   0.0);   (502922.0,
3633775.9,   107.6,   333.6,   0.0);
     (502972.0, 3633775.9,   108.3,   336.5,   0.0);   (503022.0,
3633775.9,   108.1,   337.2,   0.0);
     (503072.0, 3633775.9,   107.9,   337.8,   0.0);   (503122.0,
3633775.9,   107.9,   338.6,   0.0);
     (503172.0, 3633775.9,   108.0,   338.7,   0.0);   (503222.0,
3633775.9,   108.2,   338.7,   0.0);
     (503272.0, 3633775.9,   108.6,   338.7,   0.0);   (503322.0,
3633775.9,   108.7,   362.2,   0.0);
     (503372.0, 3633775.9,   108.8,   363.3,   0.0);   (503422.0,
3633775.9,   109.0,   363.3,   0.0);
     (503472.0, 3633775.9,   109.7,   363.3,   0.0);   (503772.0,
3633775.9,   122.7,   363.3,   0.0);
     (503822.0, 3633775.9,   124.2,   363.3,   0.0);   (503872.0,
3633775.9,   125.5,   363.3,   0.0);
     (503922.0, 3633775.9,   128.8,   363.3,   0.0);   (503972.0,
3633775.9,   131.5,   363.3,   0.0);
     (504022.0, 3633775.9,   132.0,   363.3,   0.0);   (504072.0,
3633775.9,   127.2,   363.3,   0.0);
     (504122.0, 3633775.9,   127.6,   363.3,   0.0);   (504172.0,
3633775.9,   127.9,   363.3,   0.0);
     (504222.0, 3633775.9,   129.8,   363.3,   0.0);   (504272.0,
3633775.9,   132.6,   363.3,   0.0);
     (504322.0, 3633775.9,   140.1,   363.3,   0.0);   (504372.0,
3633775.9,   145.6,   363.3,   0.0);
     (504422.0, 3633775.9,   148.0,   363.3,   0.0);   (504472.0,
3633775.9,   152.4,   363.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (504522.0, 3633775.9,   148.2,   363.3,   0.0);   (504572.0,
3633775.9,   144.3,   363.3,   0.0);
     (504622.0, 3633775.9,   146.5,   363.3,   0.0);   (504672.0,
3633775.9,   149.9,   363.3,   0.0);
     (504722.0, 3633775.9,   153.2,   363.3,   0.0);   (502722.0,
3633825.9,   106.6,   318.9,   0.0);
     (502772.0, 3633825.9,   106.6,   318.9,   0.0);   (502822.0,

3633825.9,   106.9,   318.9,   0.0);
     (502872.0, 3633825.9,   107.0,   329.3,   0.0);   (502922.0,
3633825.9,   108.0,   329.9,   0.0);
     (502972.0, 3633825.9,   108.3,   335.8,   0.0);   (503022.0,
3633825.9,   108.2,   336.5,   0.0);
     (503072.0, 3633825.9,   108.1,   337.2,   0.0);   (503122.0,
3633825.9,   108.1,   338.4,   0.0);
     (503172.0, 3633825.9,   108.4,   338.6,   0.0);   (503222.0,
3633825.9,   108.6,   338.7,   0.0);
     (503272.0, 3633825.9,   108.9,   338.7,   0.0);   (503772.0,
3633825.9,   119.1,   363.3,   0.0);
     (503822.0, 3633825.9,   120.0,   363.3,   0.0);   (503872.0,
3633825.9,   123.3,   363.3,   0.0);
     (503922.0, 3633825.9,   127.5,   363.3,   0.0);   (503972.0,
3633825.9,   129.0,   363.3,   0.0);
     (504022.0, 3633825.9,   124.5,   363.3,   0.0);   (504072.0,
3633825.9,   125.2,   363.3,   0.0);
     (504122.0, 3633825.9,   125.1,   363.3,   0.0);   (504172.0,
3633825.9,   124.4,   363.3,   0.0);
     (504222.0, 3633825.9,   126.5,   363.3,   0.0);   (504272.0,
3633825.9,   128.4,   363.3,   0.0);
     (504322.0, 3633825.9,   130.9,   363.3,   0.0);   (504372.0,
3633825.9,   134.4,   363.3,   0.0);
     (504422.0, 3633825.9,   138.7,   363.3,   0.0);   (504472.0,
3633825.9,   140.9,   363.3,   0.0);
     (504522.0, 3633825.9,   140.7,   363.3,   0.0);   (504572.0,
3633825.9,   139.1,   363.3,   0.0);
     (504622.0, 3633825.9,   142.3,   363.3,   0.0);   (504672.0,
3633825.9,   145.4,   363.3,   0.0);
     (504722.0, 3633825.9,   146.2,   363.3,   0.0);   (502722.0,
3633875.9,   106.4,   318.9,   0.0);
     (502772.0, 3633875.9,   106.7,   318.9,   0.0);   (502822.0,
3633875.9,   106.8,   318.9,   0.0);
     (502872.0, 3633875.9,   106.9,   318.9,   0.0);   (502922.0,
3633875.9,   108.5,   329.3,   0.0);
     (502972.0, 3633875.9,   108.5,   333.6,   0.0);   (503022.0,
3633875.9,   108.6,   336.5,   0.0);
     (503072.0, 3633875.9,   108.9,   336.9,   0.0);   (503122.0,
3633875.9,   108.5,   337.8,   0.0);
     (503172.0, 3633875.9,   108.6,   338.6,   0.0);   (503222.0,
3633875.9,   108.8,   338.6,   0.0);
     (503272.0, 3633875.9,   109.0,   338.7,   0.0);   (503822.0,
3633875.9,   118.9,   363.3,   0.0);
     (503872.0, 3633875.9,   122.6,   363.3,   0.0);   (503922.0,
3633875.9,   124.5,   363.3,   0.0);
     (503972.0, 3633875.9,   120.8,   363.3,   0.0);   (504022.0,
3633875.9,   121.3,   363.3,   0.0);
     (504072.0, 3633875.9,   123.4,   363.3,   0.0);   (504122.0,
3633875.9,   122.0,   363.3,   0.0);
     (504172.0, 3633875.9,   123.4,   363.3,   0.0);   (504222.0,

3633875.9,   124.8,   363.3,   0.0);
     (504272.0, 3633875.9,   126.8,   363.3,   0.0);   (504322.0,
3633875.9,   130.2,   363.3,   0.0);
     (504372.0, 3633875.9,   132.4,   363.3,   0.0);   (504422.0,
3633875.9,   135.5,   363.3,   0.0);
     (504472.0, 3633875.9,   136.3,   363.3,   0.0);   (504522.0,
3633875.9,   134.8,   363.3,   0.0);
     (504572.0, 3633875.9,   135.3,   363.3,   0.0);   (504622.0,
3633875.9,   137.4,   363.3,   0.0);
     (504672.0, 3633875.9,   144.0,   363.3,   0.0);   (504722.0,
3633875.9,   143.7,   363.3,   0.0);
     (502722.0, 3633925.9,   106.2,   318.9,   0.0);   (502772.0,
3633925.9,   106.3,   318.9,   0.0);
     (502822.0, 3633925.9,   106.6,   318.9,   0.0);   (502872.0,
3633925.9,   107.2,   318.9,   0.0);
     (502922.0, 3633925.9,   108.4,   328.1,   0.0);   (502972.0,
3633925.9,   108.1,   329.9,   0.0);
     (503022.0, 3633925.9,   108.4,   335.8,   0.0);   (503072.0,
3633925.9,   109.0,   336.5,   0.0);
     (503122.0, 3633925.9,   109.0,   337.2,   0.0);   (503172.0,
3633925.9,   108.9,   337.8,   0.0);
     (503222.0, 3633925.9,   108.6,   338.6,   0.0);   (503272.0,
3633925.9,   108.8,   338.7,   0.0);
     (503822.0, 3633925.9,   117.2,   363.3,   0.0);   (503872.0,
3633925.9,   119.1,   363.3,   0.0);
     (503922.0, 3633925.9,   119.1,   363.3,   0.0);   (503972.0,
3633925.9,   116.7,   363.3,   0.0);
     (504022.0, 3633925.9,   118.9,   363.3,   0.0);   (504072.0,
3633925.9,   119.1,   363.3,   0.0);
     (504122.0, 3633925.9,   120.6,   363.3,   0.0);   (504172.0,
3633925.9,   120.9,   363.3,   0.0);
     (504222.0, 3633925.9,   121.8,   363.3,   0.0);   (504272.0,
3633925.9,   124.2,   363.3,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (504322.0, 3633925.9,   125.7,   363.3,   0.0);   (504372.0,
3633925.9,   128.6,   363.3,   0.0);
     (504422.0, 3633925.9,   129.5,   363.3,   0.0);   (504472.0,
3633925.9,   131.0,   363.3,   0.0);
     (504522.0, 3633925.9,   132.9,   363.3,   0.0);   (504572.0,

3633925.9,   136.6,   363.3,   0.0);
     (504622.0, 3633925.9,   139.4,   363.3,   0.0);   (504672.0,
3633925.9,   141.3,   363.3,   0.0);
     (504722.0, 3633925.9,   143.0,   363.3,   0.0);   (502722.0,
3633975.9,   106.2,   318.9,   0.0);
     (502772.0, 3633975.9,   106.0,   318.9,   0.0);   (502822.0,
3633975.9,   106.0,   318.9,   0.0);
     (502872.0, 3633975.9,   107.1,   318.9,   0.0);   (502922.0,
3633975.9,   108.0,   318.9,   0.0);
     (502972.0, 3633975.9,   107.8,   329.3,   0.0);   (503022.0,
3633975.9,   108.2,   333.6,   0.0);
     (503072.0, 3633975.9,   108.5,   336.5,   0.0);   (503122.0,
3633975.9,   108.8,   336.9,   0.0);
     (503172.0, 3633975.9,   108.9,   337.5,   0.0);   (503222.0,
3633975.9,   108.9,   338.4,   0.0);
     (503272.0, 3633975.9,   108.9,   338.6,   0.0);   (503822.0,
3633975.9,   115.7,   363.3,   0.0);
     (503872.0, 3633975.9,   116.4,   363.3,   0.0);   (503922.0,
3633975.9,   113.6,   363.3,   0.0);
     (503972.0, 3633975.9,   114.7,   363.3,   0.0);   (504022.0,
3633975.9,   116.2,   363.3,   0.0);
     (504072.0, 3633975.9,   117.5,   363.3,   0.0);   (504122.0,
3633975.9,   117.5,   363.3,   0.0);
     (504172.0, 3633975.9,   118.6,   363.3,   0.0);   (504222.0,
3633975.9,   121.5,   363.3,   0.0);
     (504272.0, 3633975.9,   123.3,   363.3,   0.0);   (504322.0,
3633975.9,   124.1,   363.3,   0.0);
     (504372.0, 3633975.9,   127.0,   363.3,   0.0);   (504422.0,
3633975.9,   128.1,   363.3,   0.0);
     (504472.0, 3633975.9,   132.1,   363.3,   0.0);   (504522.0,
3633975.9,   136.8,   363.3,   0.0);
     (504572.0, 3633975.9,   138.7,   363.3,   0.0);   (504622.0,
3633975.9,   140.7,   363.3,   0.0);
     (504672.0, 3633975.9,   143.5,   363.3,   0.0);   (504722.0,
3633975.9,   148.0,   363.3,   0.0);
     (502722.0, 3634025.9,   107.1,   318.9,   0.0);   (502772.0,
3634025.9,   107.4,   318.9,   0.0);
     (502822.0, 3634025.9,   106.9,   318.9,   0.0);   (502872.0,
3634025.9,   107.0,   318.9,   0.0);
     (502922.0, 3634025.9,   107.0,   318.9,   0.0);   (502972.0,
3634025.9,   107.4,   328.1,   0.0);
     (503022.0, 3634025.9,   108.4,   329.3,   0.0);   (503072.0,
3634025.9,   108.2,   335.8,   0.0);
     (503122.0, 3634025.9,   108.4,   336.5,   0.0);   (503172.0,
3634025.9,   108.8,   337.2,   0.0);
     (503222.0, 3634025.9,   108.8,   337.8,   0.0);   (503272.0,
3634025.9,   108.7,   338.6,   0.0);
     (503872.0, 3634025.9,   113.5,   363.3,   0.0);   (503922.0,
3634025.9,   112.5,   363.3,   0.0);
     (503972.0, 3634025.9,   114.4,   363.3,   0.0);   (504022.0,

3634025.9,   114.5,   363.3,   0.0);
     (504072.0, 3634025.9,   115.4,   363.3,   0.0);   (504122.0,
3634025.9,   116.1,   363.3,   0.0);
     (504172.0, 3634025.9,   119.0,   363.3,   0.0);   (504222.0,
3634025.9,   120.6,   363.3,   0.0);
     (504272.0, 3634025.9,   122.6,   363.3,   0.0);   (504322.0,
3634025.9,   123.7,   363.3,   0.0);
     (504372.0, 3634025.9,   126.4,   363.3,   0.0);   (504422.0,
3634025.9,   131.9,   363.3,   0.0);
     (504472.0, 3634025.9,   135.2,   363.3,   0.0);   (504522.0,
3634025.9,   137.3,   363.3,   0.0);
     (504572.0, 3634025.9,   140.0,   363.3,   0.0);   (504622.0,
3634025.9,   145.0,   363.3,   0.0);
     (504672.0, 3634025.9,   149.2,   363.3,   0.0);   (504722.0,
3634025.9,   153.5,   363.3,   0.0);
     (502722.0, 3634075.9,   107.4,   317.2,   0.0);   (502772.0,
3634075.9,   106.3,   318.9,   0.0);
     (502822.0, 3634075.9,   106.2,   318.9,   0.0);   (502872.0,
3634075.9,   106.9,   318.9,   0.0);
     (502922.0, 3634075.9,   107.0,   318.9,   0.0);   (502972.0,
3634075.9,   107.1,   318.9,   0.0);
     (503022.0, 3634075.9,   107.8,   329.3,   0.0);   (503072.0,
3634075.9,   108.1,   333.6,   0.0);
     (503122.0, 3634075.9,   108.2,   336.0,   0.0);   (503172.0,
3634075.9,   108.5,   336.9,   0.0);
     (503222.0, 3634075.9,   108.5,   337.2,   0.0);   (503272.0,
3634075.9,   108.5,   338.4,   0.0);
     (503872.0, 3634075.9,   111.9,   363.3,   0.0);   (503922.0,
3634075.9,   111.7,   363.3,   0.0);
     (503972.0, 3634075.9,   112.2,   363.3,   0.0);   (504022.0,
3634075.9,   114.4,   363.3,   0.0);
     (504072.0, 3634075.9,   114.7,   363.3,   0.0);   (504122.0,
3634075.9,   115.9,   363.3,   0.0);
     (504172.0, 3634075.9,   117.8,   363.3,   0.0);   (504222.0,
3634075.9,   119.3,   363.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (504272.0, 3634075.9,   120.5,   363.3,   0.0);   (504322.0,
3634075.9,   123.5,   363.3,   0.0);
     (504372.0, 3634075.9,   128.5,   363.3,   0.0);   (504422.0,

3634075.9,   132.1,   363.3,   0.0);
     (504472.0, 3634075.9,   136.0,   363.3,   0.0);   (504522.0,
3634075.9,   141.0,   363.3,   0.0);
     (504572.0, 3634075.9,   146.4,   363.3,   0.0);   (504622.0,
3634075.9,   155.5,   363.3,   0.0);
     (504672.0, 3634075.9,   158.1,   363.3,   0.0);   (504722.0,
3634075.9,   157.7,   363.3,   0.0);
     (502722.0, 3634125.9,   107.5,   107.5,   0.0);   (502772.0,
3634125.9,   105.9,   318.9,   0.0);
     (502822.0, 3634125.9,   106.0,   318.9,   0.0);   (502872.0,
3634125.9,   106.7,   318.9,   0.0);
     (502922.0, 3634125.9,   106.6,   318.9,   0.0);   (502972.0,
3634125.9,   106.7,   318.9,   0.0);
     (503022.0, 3634125.9,   107.4,   318.9,   0.0);   (503072.0,
3634125.9,   107.6,   329.3,   0.0);
     (503122.0, 3634125.9,   107.9,   335.8,   0.0);   (503172.0,
3634125.9,   108.3,   336.5,   0.0);
     (503222.0, 3634125.9,   107.8,   337.2,   0.0);   (503272.0,
3634125.9,   108.2,   337.8,   0.0);
     (503922.0, 3634125.9,   110.9,   363.3,   0.0);   (503972.0,
3634125.9,   111.5,   363.3,   0.0);
     (504022.0, 3634125.9,   112.3,   363.3,   0.0);   (504072.0,
3634125.9,   114.3,   363.3,   0.0);
     (504122.0, 3634125.9,   114.3,   363.3,   0.0);   (504172.0,
3634125.9,   115.9,   363.3,   0.0);
     (504222.0, 3634125.9,   117.0,   363.3,   0.0);   (504272.0,
3634125.9,   119.2,   363.3,   0.0);
     (504322.0, 3634125.9,   122.8,   363.3,   0.0);   (504372.0,
3634125.9,   126.9,   363.3,   0.0);
     (504422.0, 3634125.9,   131.9,   363.3,   0.0);   (504472.0,
3634125.9,   140.2,   363.3,   0.0);
     (504522.0, 3634125.9,   145.2,   363.3,   0.0);   (504572.0,
3634125.9,   153.0,   363.3,   0.0);
     (504622.0, 3634125.9,   160.6,   363.3,   0.0);   (504672.0,
3634125.9,   159.9,   363.3,   0.0);
     (504722.0, 3634125.9,   161.7,   363.3,   0.0);   (502722.0,
3634175.9,   105.6,   105.6,   0.0);
     (502772.0, 3634175.9,   105.5,   318.9,   0.0);   (502822.0,
3634175.9,   105.9,   318.9,   0.0);
     (502872.0, 3634175.9,   106.5,   318.9,   0.0);   (502922.0,
3634175.9,   106.3,   318.9,   0.0);
     (502972.0, 3634175.9,   106.4,   318.9,   0.0);   (503022.0,
3634175.9,   107.1,   318.9,   0.0);
     (503072.0, 3634175.9,   107.1,   329.3,   0.0);   (503122.0,
3634175.9,   107.2,   333.6,   0.0);
     (503172.0, 3634175.9,   107.1,   336.0,   0.0);   (503222.0,
3634175.9,   106.6,   336.9,   0.0);
     (503272.0, 3634175.9,   106.8,   337.2,   0.0);   (503972.0,
3634175.9,   111.6,   363.3,   0.0);
     (504022.0, 3634175.9,   111.5,   363.3,   0.0);   (504072.0,

3634175.9,   112.4,   363.3,   0.0);
     (504122.0, 3634175.9,   114.0,   363.3,   0.0);   (504172.0,
3634175.9,   113.6,   363.3,   0.0);
     (504222.0, 3634175.9,   115.3,   363.3,   0.0);   (504272.0,
3634175.9,   116.8,   363.3,   0.0);
     (504322.0, 3634175.9,   119.4,   363.3,   0.0);   (504372.0,
3634175.9,   130.4,   363.3,   0.0);
     (504422.0, 3634175.9,   142.7,   363.3,   0.0);   (504472.0,
3634175.9,   145.6,   363.3,   0.0);
     (504522.0, 3634175.9,   149.3,   363.3,   0.0);   (504572.0,
3634175.9,   162.1,   360.8,   0.0);
     (504622.0, 3634175.9,   171.5,   338.7,   0.0);   (504672.0,
3634175.9,   174.2,   338.7,   0.0);
     (504722.0, 3634175.9,   182.7,   338.7,   0.0);   (502722.0,
3634225.9,   105.2,   105.2,   0.0);
     (502772.0, 3634225.9,   105.7,   105.7,   0.0);   (502822.0,
3634225.9,   106.4,   318.9,   0.0);
     (502872.0, 3634225.9,   106.6,   318.9,   0.0);   (502922.0,
3634225.9,   106.2,   318.9,   0.0);
     (502972.0, 3634225.9,   106.2,   318.9,   0.0);   (503022.0,
3634225.9,   106.8,   318.9,   0.0);
     (503072.0, 3634225.9,   106.8,   318.9,   0.0);   (503122.0,
3634225.9,   106.8,   329.3,   0.0);
     (503172.0, 3634225.9,   106.6,   335.8,   0.0);   (503222.0,
3634225.9,   106.5,   336.5,   0.0);
     (503272.0, 3634225.9,   106.7,   336.9,   0.0);   (504072.0,
3634225.9,   111.7,   363.3,   0.0);
     (504122.0, 3634225.9,   112.7,   363.3,   0.0);   (504172.0,
3634225.9,   113.6,   363.3,   0.0);
     (504222.0, 3634225.9,   113.3,   363.3,   0.0);   (504272.0,
3634225.9,   116.3,   363.3,   0.0);
     (504322.0, 3634225.9,   118.7,   363.3,   0.0);   (504372.0,
3634225.9,   132.3,   363.3,   0.0);
     (504422.0, 3634225.9,   145.7,   363.3,   0.0);   (504472.0,
3634225.9,   147.8,   363.3,   0.0);
     (504522.0, 3634225.9,   151.7,   362.2,   0.0);   (504572.0,
3634225.9,   162.3,   338.7,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (504622.0, 3634225.9,   175.1,   338.7,   0.0);   (504672.0,

3634225.9,   188.1,   337.8,   0.0);
     (504722.0, 3634225.9,   202.4,   334.4,   0.0);   (502722.0,
3634275.9,   105.4,   105.4,   0.0);
     (502772.0, 3634275.9,   105.4,   105.4,   0.0);   (502822.0,
3634275.9,   106.1,   317.2,   0.0);
     (502872.0, 3634275.9,   107.5,   318.9,   0.0);   (502922.0,
3634275.9,   106.5,   318.9,   0.0);
     (502972.0, 3634275.9,   106.0,   318.9,   0.0);   (503022.0,
3634275.9,   106.7,   318.9,   0.0);
     (503072.0, 3634275.9,   106.6,   318.9,   0.0);   (503122.0,
3634275.9,   106.5,   318.9,   0.0);
     (503172.0, 3634275.9,   106.6,   333.6,   0.0);   (503222.0,
3634275.9,   106.5,   335.8,   0.0);
     (503272.0, 3634275.9,   106.9,   336.5,   0.0);   (504122.0,
3634275.9,   111.8,   363.3,   0.0);
     (504172.0, 3634275.9,   112.2,   363.3,   0.0);   (504222.0,
3634275.9,   116.4,   363.3,   0.0);
     (504272.0, 3634275.9,   116.9,   363.3,   0.0);   (504322.0,
3634275.9,   120.1,   363.3,   0.0);
     (504372.0, 3634275.9,   128.7,   363.3,   0.0);   (504422.0,
3634275.9,   138.7,   363.3,   0.0);
     (504472.0, 3634275.9,   146.7,   362.2,   0.0);   (504522.0,
3634275.9,   156.2,   338.7,   0.0);
     (504572.0, 3634275.9,   169.8,   338.7,   0.0);   (504622.0,
3634275.9,   182.5,   337.8,   0.0);
     (504672.0, 3634275.9,   198.9,   334.2,   0.0);   (504722.0,
3634275.9,   207.6,   207.6,   0.0);
     (502722.0, 3634325.9,   102.3,   102.3,   0.0);   (502772.0,
3634325.9,   103.0,   105.3,   0.0);
     (502822.0, 3634325.9,   103.3,   317.2,   0.0);   (502872.0,
3634325.9,   108.4,   108.4,   0.0);
     (502972.0, 3634325.9,   106.1,   318.9,   0.0);   (503022.0,
3634325.9,   106.6,   318.9,   0.0);
     (503072.0, 3634325.9,   106.8,   318.9,   0.0);   (503122.0,
3634325.9,   106.6,   318.9,   0.0);
     (503172.0, 3634325.9,   106.7,   328.1,   0.0);   (503222.0,
3634325.9,   106.7,   333.6,   0.0);
     (503272.0, 3634325.9,   107.1,   335.8,   0.0);   (504172.0,
3634325.9,   113.4,   363.3,   0.0);
     (504222.0, 3634325.9,   117.7,   363.3,   0.0);   (504272.0,
3634325.9,   116.9,   363.3,   0.0);
     (504322.0, 3634325.9,   118.8,   363.3,   0.0);   (504372.0,
3634325.9,   124.3,   363.3,   0.0);
     (504422.0, 3634325.9,   135.2,   363.3,   0.0);   (504472.0,
3634325.9,   144.0,   360.8,   0.0);
     (504522.0, 3634325.9,   156.5,   338.7,   0.0);   (504572.0,
3634325.9,   172.9,   338.0,   0.0);
     (504622.0, 3634325.9,   190.8,   334.2,   0.0);   (504672.0,
3634325.9,   206.6,   206.6,   0.0);
     (504722.0, 3634325.9,   207.6,   207.6,   0.0);   (502722.0,

3634375.9,   101.1,   101.1,   0.0);
     (502772.0, 3634375.9,   102.1,   102.1,   0.0);   (502822.0,
3634375.9,   102.2,   102.2,   0.0);
     (503022.0, 3634375.9,   105.5,   318.9,   0.0);   (503072.0,
3634375.9,   106.7,   318.9,   0.0);
     (503122.0, 3634375.9,   106.6,   318.9,   0.0);   (503172.0,
3634375.9,   106.4,   318.9,   0.0);
     (503222.0, 3634375.9,   106.6,   329.3,   0.0);   (503272.0,
3634375.9,   107.0,   334.2,   0.0);
     (504222.0, 3634375.9,   115.6,   363.3,   0.0);   (504272.0,
3634375.9,   116.2,   363.3,   0.0);
     (504322.0, 3634375.9,   116.2,   363.3,   0.0);   (504372.0,
3634375.9,   125.6,   363.3,   0.0);
     (504422.0, 3634375.9,   141.7,   338.7,   0.0);   (504472.0,
3634375.9,   156.1,   338.7,   0.0);
     (504522.0, 3634375.9,   168.5,   337.8,   0.0);   (504572.0,
3634375.9,   180.5,   336.0,   0.0);
     (504622.0, 3634375.9,   190.9,   318.9,   0.0);   (504672.0,
3634375.9,   199.3,   207.6,   0.0);
     (504722.0, 3634375.9,   203.3,   207.6,   0.0);   (502722.0,
3634425.9,   102.2,   107.7,   0.0);
     (502772.0, 3634425.9,   102.3,   107.7,   0.0);   (502822.0,
3634425.9,   102.4,   102.4,   0.0);
     (504272.0, 3634425.9,   113.0,   363.3,   0.0);   (504322.0,
3634425.9,   114.5,   363.3,   0.0);
     (504372.0, 3634425.9,   122.6,   363.3,   0.0);   (504422.0,
3634425.9,   136.7,   338.7,   0.0);
     (504472.0, 3634425.9,   152.1,   338.7,   0.0);   (504522.0,
3634425.9,   164.8,   337.8,   0.0);
     (504572.0, 3634425.9,   168.9,   337.0,   0.0);   (504622.0,
3634425.9,   171.6,   337.0,   0.0);
     (504672.0, 3634425.9,   178.6,   336.0,   0.0);   (504722.0,
3634425.9,   188.7,   207.6,   0.0);
     (502722.0, 3634475.9,   104.8,   107.7,   0.0);   (502772.0,
3634475.9,   106.0,   106.0,   0.0);
     (502822.0, 3634475.9,   106.5,   108.5,   0.0);   (504322.0,
3634475.9,   112.1,   363.3,   0.0);
     (504372.0, 3634475.9,   115.2,   363.3,   0.0);   (504422.0,
3634475.9,   122.3,   363.3,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                           (METERS)

```
     ( 504472.0, 3634475.9,     134.7,     338.7,       0.0);         ( 504522.0,
3634475.9,     142.7,     338.7,       0.0);
     ( 504572.0, 3634475.9,     146.1,     338.7,       0.0);         ( 504622.0,
3634475.9,     148.5,     338.7,       0.0);
     ( 504672.0, 3634475.9,     158.6,     338.6,       0.0);         ( 504722.0,
3634475.9,     171.4,     336.4,       0.0);
     ( 502722.0, 3634525.9,     106.5,     106.5,       0.0);         ( 502772.0,
3634525.9,     106.4,     106.4,       0.0);
     ( 504372.0, 3634525.9,     112.5,     363.3,       0.0);         ( 504422.0,
3634525.9,     113.1,     363.3,       0.0);
     ( 504472.0, 3634525.9,     117.8,     363.3,       0.0);         ( 504522.0,
3634525.9,     123.0,     363.3,       0.0);
     ( 504572.0, 3634525.9,     126.9,     362.2,       0.0);         ( 504622.0,
3634525.9,     132.5,     352.4,       0.0);
     ( 504672.0, 3634525.9,     143.4,     338.7,       0.0);         ( 504722.0,
3634525.9,     154.5,     338.7,       0.0);
     ( 502722.0, 3634575.9,     106.6,     106.6,       0.0);         ( 502772.0,
3634575.9,     107.0,     107.0,       0.0);
     ( 504422.0, 3634575.9,     111.1,     363.3,       0.0);         ( 504472.0,
3634575.9,     112.5,     363.3,       0.0);
     ( 504522.0, 3634575.9,     113.4,     363.3,       0.0);         ( 504572.0,
3634575.9,     117.5,     363.3,       0.0);
     ( 504622.0, 3634575.9,     123.7,     362.2,       0.0);         ( 504672.0,
3634575.9,     131.5,     338.7,       0.0);
     ( 504722.0, 3634575.9,     139.1,     338.7,       0.0);         ( 502722.0,
3634625.9,     106.8,     106.8,       0.0);
     ( 502772.0, 3634625.9,     106.9,     106.9,       0.0);         ( 502822.0,
3634625.9,     107.9,     107.9,       0.0);
     ( 502872.0, 3634625.9,     108.0,     108.0,       0.0);         ( 502922.0,
3634625.9,     107.8,     107.8,       0.0);
     ( 502972.0, 3634625.9,     107.9,     107.9,       0.0);         ( 503022.0,
3634625.9,     108.0,     108.0,       0.0);
     ( 503072.0, 3634625.9,     108.2,     108.2,       0.0);         ( 503122.0,
3634625.9,     108.0,     108.0,       0.0);
     ( 504472.0, 3634625.9,     111.6,     363.3,       0.0);         ( 504522.0,
3634625.9,     112.5,     363.3,       0.0);
     ( 504572.0, 3634625.9,     113.3,     363.3,       0.0);         ( 504622.0,
3634625.9,     115.1,     363.3,       0.0);
     ( 504672.0, 3634625.9,     115.7,     363.3,       0.0);         ( 504722.0,
3634625.9,     125.4,     360.8,       0.0);
     ( 502722.0, 3634675.9,     107.3,     107.3,       0.0);         ( 502772.0,
3634675.9,     107.6,     107.6,       0.0);
     ( 502822.0, 3634675.9,     108.5,     108.5,       0.0);         ( 502872.0,
3634675.9,     108.6,     108.6,       0.0);
     ( 502922.0, 3634675.9,     108.5,     108.5,       0.0);         ( 502972.0,
3634675.9,     108.9,     108.9,       0.0);
     ( 503022.0, 3634675.9,     108.5,     108.5,       0.0);         ( 503072.0,
3634675.9,     108.2,     108.2,       0.0);
     ( 503122.0, 3634675.9,     109.0,     109.0,       0.0);         ( 503172.0,
```

3634675.9,   110.3,   110.3,   0.0);
     (503222.0, 3634675.9,   110.2,   317.2,   0.0);   (503272.0,
3634675.9,   107.9,   318.9,   0.0);
     (503322.0, 3634675.9,   108.0,   318.9,   0.0);   (503372.0,
3634675.9,   108.3,   318.9,   0.0);
     (503422.0, 3634675.9,   108.6,   318.9,   0.0);   (503472.0,
3634675.9,   110.6,   318.9,   0.0);
     (503522.0, 3634675.9,   107.6,   318.9,   0.0);   (504522.0,
3634675.9,   111.4,   362.2,   0.0);
     (504572.0, 3634675.9,   111.8,   362.2,   0.0);   (504622.0,
3634675.9,   113.4,   362.2,   0.0);
     (504672.0, 3634675.9,   114.0,   363.3,   0.0);   (504722.0,
3634675.9,   114.8,   363.3,   0.0);
     (502722.0, 3634725.9,   107.8,   107.8,   0.0);   (502772.0,
3634725.9,   108.1,   108.1,   0.0);
     (502822.0, 3634725.9,   108.4,   108.4,   0.0);   (502872.0,
3634725.9,   109.4,   109.4,   0.0);
     (502922.0, 3634725.9,   109.1,   109.1,   0.0);   (502972.0,
3634725.9,   109.1,   109.1,   0.0);
     (503022.0, 3634725.9,   109.0,   109.0,   0.0);   (503072.0,
3634725.9,   108.5,   108.5,   0.0);
     (503122.0, 3634725.9,   109.1,   109.1,   0.0);   (503172.0,
3634725.9,   109.9,   109.9,   0.0);
     (503222.0, 3634725.9,   109.3,   109.3,   0.0);   (503272.0,
3634725.9,   108.4,   317.2,   0.0);
     (503322.0, 3634725.9,   108.7,   318.9,   0.0);   (503372.0,
3634725.9,   109.2,   318.9,   0.0);
     (503422.0, 3634725.9,   109.6,   318.9,   0.0);   (503472.0,
3634725.9,   111.3,   318.9,   0.0);
     (503522.0, 3634725.9,   111.3,   318.9,   0.0);   (503572.0,
3634725.9,   109.2,   318.9,   0.0);
     (503622.0, 3634725.9,   107.5,   334.2,   0.0);   (504572.0,
3634725.9,   111.4,   360.8,   0.0);
     (504622.0, 3634725.9,   112.7,   360.8,   0.0);   (504672.0,
3634725.9,   113.2,   360.8,   0.0);
     (504722.0, 3634725.9,   113.9,   360.8,   0.0);   (502722.0,
3634775.9,   108.3,   108.3,   0.0);
     (502772.0, 3634775.9,   108.1,   108.1,   0.0);   (502822.0,
3634775.9,   108.7,   108.7,   0.0);
     (502872.0, 3634775.9,   109.6,   109.6,   0.0);   (502922.0,
3634775.9,   109.5,   109.5,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(502972.0, 3634775.9, 109.0, 109.0, 0.0); (503022.0, 3634775.9, 109.4, 109.4, 0.0);
(503072.0, 3634775.9, 109.2, 109.2, 0.0); (503122.0, 3634775.9, 109.1, 109.1, 0.0);
(503172.0, 3634775.9, 109.4, 109.4, 0.0); (503222.0, 3634775.9, 108.6, 108.6, 0.0);
(503272.0, 3634775.9, 108.4, 195.7, 0.0); (503322.0, 3634775.9, 108.4, 317.2, 0.0);
(503372.0, 3634775.9, 108.5, 318.9, 0.0); (503422.0, 3634775.9, 109.1, 318.9, 0.0);
(503472.0, 3634775.9, 110.8, 318.9, 0.0); (503522.0, 3634775.9, 110.6, 318.9, 0.0);
(503572.0, 3634775.9, 110.3, 318.9, 0.0); (503622.0, 3634775.9, 110.4, 318.9, 0.0);
(503672.0, 3634775.9, 110.9, 318.9, 0.0); (503722.0, 3634775.9, 110.6, 333.6, 0.0);
(503772.0, 3634775.9, 109.7, 334.9, 0.0); (503822.0, 3634775.9, 107.5, 336.5, 0.0);
(504622.0, 3634775.9, 111.9, 338.7, 0.0); (504672.0, 3634775.9, 112.9, 338.7, 0.0);
(504722.0, 3634775.9, 113.5, 338.7, 0.0); (502722.0, 3634825.9, 108.3, 108.3, 0.0);
(502772.0, 3634825.9, 109.1, 109.1, 0.0); (502822.0, 3634825.9, 109.2, 109.2, 0.0);
(502872.0, 3634825.9, 109.2, 109.2, 0.0); (502922.0, 3634825.9, 109.9, 109.9, 0.0);
(502972.0, 3634825.9, 109.6, 109.6, 0.0); (503022.0, 3634825.9, 109.8, 109.8, 0.0);
(503072.0, 3634825.9, 109.0, 109.0, 0.0); (503122.0, 3634825.9, 109.3, 109.3, 0.0);
(503172.0, 3634825.9, 108.5, 108.5, 0.0); (503222.0, 3634825.9, 108.4, 108.4, 0.0);
(503272.0, 3634825.9, 108.4, 197.1, 0.0); (503322.0, 3634825.9, 108.8, 197.1, 0.0);
(503372.0, 3634825.9, 110.2, 197.1, 0.0); (503422.0, 3634825.9, 111.0, 317.2, 0.0);
(503472.0, 3634825.9, 111.4, 318.9, 0.0); (503522.0, 3634825.9, 111.2, 318.9, 0.0);
(503572.0, 3634825.9, 110.6, 318.9, 0.0); (503622.0, 3634825.9, 111.0, 318.9, 0.0);
(503672.0, 3634825.9, 111.4, 318.9, 0.0); (503722.0, 3634825.9, 111.5, 318.9, 0.0);
(503772.0, 3634825.9, 111.3, 318.9, 0.0); (503822.0, 3634825.9, 111.4, 334.2, 0.0);
(503872.0, 3634825.9, 111.5, 334.4, 0.0); (503922.0, 3634825.9, 111.4, 336.0, 0.0);
(504672.0, 3634825.9, 112.2, 338.7, 0.0); (504722.0,

3634825.9,   113.1,   338.7,   0.0);
     (502722.0, 3634875.9,   108.3,   108.3,   0.0);   (502772.0,
3634875.9,   108.8,   108.8,   0.0);
     (502822.0, 3634875.9,   109.1,   109.1,   0.0);   (502872.0,
3634875.9,   108.7,   108.7,   0.0);
     (502922.0, 3634875.9,   109.6,   109.6,   0.0);   (502972.0,
3634875.9,   109.6,   109.6,   0.0);
     (503022.0, 3634875.9,   109.8,   109.8,   0.0);   (503072.0,
3634875.9,   109.5,   109.5,   0.0);
     (503122.0, 3634875.9,   109.5,   109.5,   0.0);   (503172.0,
3634875.9,   108.3,   108.3,   0.0);
     (503222.0, 3634875.9,   108.6,   195.7,   0.0);   (503272.0,
3634875.9,   109.9,   197.1,   0.0);
     (503322.0, 3634875.9,   110.7,   197.1,   0.0);   (503372.0,
3634875.9,   110.7,   197.1,   0.0);
     (503422.0, 3634875.9,   111.1,   197.1,   0.0);   (503472.0,
3634875.9,   111.8,   197.1,   0.0);
     (503522.0, 3634875.9,   111.7,   317.2,   0.0);   (503572.0,
3634875.9,   111.8,   318.9,   0.0);
     (503622.0, 3634875.9,   111.7,   318.9,   0.0);   (503672.0,
3634875.9,   112.0,   318.9,   0.0);
     (503722.0, 3634875.9,   112.6,   318.9,   0.0);   (503772.0,
3634875.9,   112.7,   318.9,   0.0);
     (503822.0, 3634875.9,   113.0,   318.9,   0.0);   (503872.0,
3634875.9,   113.2,   318.9,   0.0);
     (503922.0, 3634875.9,   114.9,   318.9,   0.0);   (504722.0,
3634875.9,   112.5,   338.7,   0.0);
     (502722.0, 3634925.9,   108.4,   108.4,   0.0);   (502772.0,
3634925.9,   108.5,   108.5,   0.0);
     (502822.0, 3634925.9,   108.9,   108.9,   0.0);   (502872.0,
3634925.9,   108.6,   108.6,   0.0);
     (502922.0, 3634925.9,   109.2,   109.2,   0.0);   (502972.0,
3634925.9,   109.4,   109.4,   0.0);
     (503022.0, 3634925.9,   109.5,   109.5,   0.0);   (503072.0,
3634925.9,   109.4,   109.4,   0.0);
     (503122.0, 3634925.9,   109.5,   109.5,   0.0);   (503172.0,
3634925.9,   109.4,   109.4,   0.0);
     (503222.0, 3634925.9,   109.8,   195.7,   0.0);   (503272.0,
3634925.9,   110.3,   197.1,   0.0);
     (503322.0, 3634925.9,   110.7,   197.1,   0.0);   (503372.0,
3634925.9,   111.0,   197.1,   0.0);
     (503422.0, 3634925.9,   111.4,   197.1,   0.0);   (503472.0,
3634925.9,   111.7,   197.1,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(503522.0, 3634925.9, 111.8, 197.1, 0.0); (503572.0, 3634925.9, 111.8, 197.1, 0.0);
(503622.0, 3634925.9, 111.8, 317.2, 0.0); (503672.0, 3634925.9, 112.1, 318.9, 0.0);
(503722.0, 3634925.9, 114.0, 318.9, 0.0); (503772.0, 3634925.9, 114.7, 318.9, 0.0);
(503822.0, 3634925.9, 115.8, 318.9, 0.0); (503872.0, 3634925.9, 116.9, 318.9, 0.0);
(502722.0, 3634975.9, 108.5, 108.5, 0.0); (502772.0, 3634975.9, 108.3, 108.3, 0.0);
(502822.0, 3634975.9, 108.6, 108.6, 0.0); (502872.0, 3634975.9, 109.0, 109.0, 0.0);
(502922.0, 3634975.9, 109.9, 109.9, 0.0); (502972.0, 3634975.9, 108.6, 108.6, 0.0);
(503022.0, 3634975.9, 108.9, 108.9, 0.0); (503072.0, 3634975.9, 109.3, 109.3, 0.0);
(503122.0, 3634975.9, 109.6, 109.6, 0.0); (503172.0, 3634975.9, 108.2, 333.1, 0.0);
(503222.0, 3634975.9, 108.2, 333.1, 0.0); (503272.0, 3634975.9, 108.9, 333.1, 0.0);
(503322.0, 3634975.9, 109.2, 333.1, 0.0); (503372.0, 3634975.9, 109.7, 333.1, 0.0);
(503422.0, 3634975.9, 111.4, 197.1, 0.0); (503472.0, 3634975.9, 111.3, 197.1, 0.0);
(503522.0, 3634975.9, 111.9, 197.1, 0.0); (503572.0, 3634975.9, 111.8, 197.1, 0.0);
(503622.0, 3634975.9, 111.7, 197.1, 0.0); (503672.0, 3634975.9, 112.0, 197.1, 0.0);
(503722.0, 3634975.9, 115.0, 197.1, 0.0); (503772.0, 3634975.9, 119.4, 197.1, 0.0);
(503822.0, 3634975.9, 118.6, 197.1, 0.0); (503872.0, 3634975.9, 126.0, 197.1, 0.0);
(502722.0, 3635025.9, 108.7, 108.7, 0.0); (502772.0, 3635025.9, 109.2, 109.2, 0.0);
(502822.0, 3635025.9, 109.3, 109.3, 0.0); (502872.0, 3635025.9, 109.5, 109.5, 0.0);
(502922.0, 3635025.9, 109.3, 333.1, 0.0); (502972.0, 3635025.9, 109.2, 333.1, 0.0);
(503022.0, 3635025.9, 109.4, 333.1, 0.0); (503072.0, 3635025.9, 109.9, 333.1, 0.0);
(503122.0, 3635025.9, 110.0, 333.1, 0.0); (503172.0, 3635025.9, 109.2, 333.1, 0.0);
(503222.0, 3635025.9, 109.3, 333.1, 0.0); (503272.0, 3635025.9, 109.6, 333.1, 0.0);
(503322.0, 3635025.9, 109.8, 333.1, 0.0); (503372.0,

3635025.9,   110.3,   333.1,   0.0);
     (503422.0, 3635025.9,   111.3,   333.1,   0.0);   (503472.0,
3635025.9,   111.3,   333.1,   0.0);
     (503522.0, 3635025.9,   111.6,   333.1,   0.0);   (503572.0,
3635025.9,   111.9,   333.1,   0.0);
     (503622.0, 3635025.9,   112.2,   333.1,   0.0);   (503672.0,
3635025.9,   113.2,   333.1,   0.0);
     (503722.0, 3635025.9,   118.5,   197.1,   0.0);   (503772.0,
3635025.9,   120.0,   197.1,   0.0);
     (503822.0, 3635025.9,   122.5,   197.1,   0.0);   (504372.0,
3635025.9,   110.7,   336.0,   0.0);
     (502722.0, 3635075.9,   109.5,   333.1,   0.0);   (502772.0,
3635075.9,   110.0,   333.1,   0.0);
     (502822.0, 3635075.9,   110.2,   333.1,   0.0);   (502872.0,
3635075.9,   109.5,   333.1,   0.0);
     (502922.0, 3635075.9,   109.7,   333.1,   0.0);   (502972.0,
3635075.9,   110.0,   333.1,   0.0);
     (503022.0, 3635075.9,   109.6,   333.1,   0.0);   (503072.0,
3635075.9,   110.0,   333.1,   0.0);
     (503122.0, 3635075.9,   110.0,   333.1,   0.0);   (503172.0,
3635075.9,   109.5,   333.1,   0.0);
     (503222.0, 3635075.9,   109.8,   333.1,   0.0);   (503272.0,
3635075.9,   109.9,   333.1,   0.0);
     (503322.0, 3635075.9,   110.2,   333.1,   0.0);   (503372.0,
3635075.9,   110.5,   333.1,   0.0);
     (503422.0, 3635075.9,   110.7,   333.1,   0.0);   (503472.0,
3635075.9,   110.9,   333.1,   0.0);
     (503522.0, 3635075.9,   111.2,   333.1,   0.0);   (503572.0,
3635075.9,   111.6,   333.1,   0.0);
     (503622.0, 3635075.9,   112.1,   333.1,   0.0);   (503672.0,
3635075.9,   113.6,   333.1,   0.0);
     (503722.0, 3635075.9,   116.8,   333.1,   0.0);   (503772.0,
3635075.9,   119.5,   197.1,   0.0);
     (503822.0, 3635075.9,   126.0,   197.1,   0.0);   (504372.0,
3635075.9,   111.5,   334.2,   0.0);
     (504422.0, 3635075.9,   111.6,   334.9,   0.0);   (504472.0,
3635075.9,   111.7,   336.0,   0.0);
     (504522.0, 3635075.9,   109.8,   336.4,   0.0);   (502722.0,
3635125.9,   109.9,   333.1,   0.0);
     (502772.0, 3635125.9,   110.4,   333.1,   0.0);   (502822.0,
3635125.9,   110.8,   333.1,   0.0);
     (502872.0, 3635125.9,   110.4,   333.1,   0.0);   (502922.0,
3635125.9,   109.4,   333.1,   0.0);
     (502972.0, 3635125.9,   109.5,   333.1,   0.0);   (503022.0,
3635125.9,   109.7,   333.1,   0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(503072.0, 3635125.9, 110.3, 333.1, 0.0); (503122.0, 3635125.9, 110.3, 333.1, 0.0);
(503172.0, 3635125.9, 110.2, 333.1, 0.0); (503222.0, 3635125.9, 110.8, 333.1, 0.0);
(503272.0, 3635125.9, 110.6, 333.1, 0.0); (503322.0, 3635125.9, 111.0, 333.1, 0.0);
(503372.0, 3635125.9, 111.1, 333.1, 0.0); (503422.0, 3635125.9, 110.8, 333.1, 0.0);
(503472.0, 3635125.9, 111.1, 333.1, 0.0); (503522.0, 3635125.9, 111.5, 333.1, 0.0);
(503572.0, 3635125.9, 113.3, 333.1, 0.0); (503622.0, 3635125.9, 113.2, 333.1, 0.0);
(503672.0, 3635125.9, 115.0, 333.1, 0.0); (503722.0, 3635125.9, 119.5, 333.1, 0.0);
(503772.0, 3635125.9, 122.1, 333.1, 0.0); (503822.0, 3635125.9, 126.7, 197.1, 0.0);
(504372.0, 3635125.9, 111.5, 318.9, 0.0); (504422.0, 3635125.9, 112.7, 318.9, 0.0);
(504472.0, 3635125.9, 112.2, 318.9, 0.0); (504522.0, 3635125.9, 111.7, 334.2, 0.0);
(504572.0, 3635125.9, 110.6, 334.9, 0.0); (502722.0, 3635175.9, 110.2, 333.1, 0.0);
(502772.0, 3635175.9, 111.1, 333.1, 0.0); (502822.0, 3635175.9, 111.5, 333.1, 0.0);
(502872.0, 3635175.9, 111.6, 333.1, 0.0); (502922.0, 3635175.9, 110.2, 333.1, 0.0);
(502972.0, 3635175.9, 110.1, 333.1, 0.0); (503022.0, 3635175.9, 110.6, 333.1, 0.0);
(503072.0, 3635175.9, 110.8, 333.1, 0.0); (503122.0, 3635175.9, 110.5, 333.1, 0.0);
(503172.0, 3635175.9, 110.3, 333.1, 0.0); (503222.0, 3635175.9, 111.0, 333.1, 0.0);
(503272.0, 3635175.9, 110.8, 333.1, 0.0); (503322.0, 3635175.9, 111.3, 333.1, 0.0);
(503372.0, 3635175.9, 111.3, 333.1, 0.0); (503422.0, 3635175.9, 110.3, 333.1, 0.0);
(503472.0, 3635175.9, 112.1, 333.1, 0.0); (503522.0, 3635175.9, 112.1, 333.1, 0.0);
(503572.0, 3635175.9, 114.0, 333.1, 0.0); (503622.0, 3635175.9, 114.2, 333.1, 0.0);
(503672.0, 3635175.9, 116.3, 333.1, 0.0); (503722.0, 3635175.9, 121.8, 333.1, 0.0);
(503772.0, 3635175.9, 126.7, 333.1, 0.0); (503822.0,

```
3635175.9,     132.5,     197.1,       0.0);
     ( 504372.0, 3635175.9,     111.7,     317.2,       0.0);         ( 504422.0,
3635175.9,     112.6,     279.6,       0.0);
     ( 504472.0, 3635175.9,     112.4,     317.2,       0.0);         ( 504522.0,
3635175.9,     112.3,     317.2,       0.0);
     ( 504572.0, 3635175.9,     112.7,     317.2,       0.0);         ( 504622.0,
3635175.9,     109.7,     334.2,       0.0);
     ( 502722.0, 3635225.9,     110.5,     333.1,       0.0);         ( 502772.0,
3635225.9,     110.5,     333.1,       0.0);
     ( 502822.0, 3635225.9,     110.8,     333.1,       0.0);         ( 502872.0,
3635225.9,     111.1,     333.1,       0.0);
     ( 502922.0, 3635225.9,     111.3,     333.1,       0.0);         ( 502972.0,
3635225.9,     111.1,     333.1,       0.0);
     ( 503022.0, 3635225.9,     111.0,     333.1,       0.0);         ( 503072.0,
3635225.9,     110.8,     333.1,       0.0);
     ( 503122.0, 3635225.9,     110.4,     333.1,       0.0);         ( 503172.0,
3635225.9,     110.2,     333.1,       0.0);
     ( 503222.0, 3635225.9,     110.0,     333.1,       0.0);         ( 503272.0,
3635225.9,     109.7,     333.1,       0.0);
     ( 503322.0, 3635225.9,     109.5,     333.1,       0.0);         ( 503372.0,
3635225.9,     109.6,     333.1,       0.0);
     ( 503422.0, 3635225.9,     109.8,     333.1,       0.0);         ( 503472.0,
3635225.9,     110.4,     333.1,       0.0);
     ( 503522.0, 3635225.9,     112.4,     333.1,       0.0);         ( 503572.0,
3635225.9,     114.2,     333.1,       0.0);
     ( 503622.0, 3635225.9,     116.6,     333.1,       0.0);         ( 503672.0,
3635225.9,     119.3,     333.1,       0.0);
     ( 504372.0, 3635225.9,     111.4,     333.1,       0.0);         ( 504422.0,
3635225.9,     111.7,     279.6,       0.0);
     ( 504472.0, 3635225.9,     112.0,     279.6,       0.0);         ( 504522.0,
3635225.9,     112.3,     279.6,       0.0);
     ( 504572.0, 3635225.9,     113.0,     279.6,       0.0);         ( 504622.0,
3635225.9,     112.5,     279.6,       0.0);
     ( 502722.0, 3635275.9,     111.4,     333.1,       0.0);         ( 502772.0,
3635275.9,     112.2,     333.1,       0.0);
     ( 502822.0, 3635275.9,     112.5,     333.1,       0.0);         ( 502872.0,
3635275.9,     112.1,     333.1,       0.0);
     ( 502922.0, 3635275.9,     112.5,     333.1,       0.0);         ( 502972.0,
3635275.9,     112.1,     333.1,       0.0);
     ( 503022.0, 3635275.9,     112.4,     333.1,       0.0);         ( 503072.0,
3635275.9,     112.5,     333.1,       0.0);
     ( 503122.0, 3635275.9,     112.4,     333.1,       0.0);         ( 503172.0,
3635275.9,     112.3,     333.1,       0.0);
     ( 503222.0, 3635275.9,     110.4,     333.1,       0.0);         ( 503272.0,
3635275.9,     110.5,     333.1,       0.0);
     ( 503322.0, 3635275.9,     110.1,     333.1,       0.0);         ( 503372.0,
3635275.9,     110.6,     333.1,       0.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(503422.0, 3635275.9, 110.3, 333.1, 0.0); (503472.0, 3635275.9, 110.5, 333.1, 0.0);
(503522.0, 3635275.9, 110.5, 333.1, 0.0); (503572.0, 3635275.9, 113.3, 333.1, 0.0);
(503622.0, 3635275.9, 115.6, 333.1, 0.0); (504372.0, 3635275.9, 113.0, 333.1, 0.0);
(504422.0, 3635275.9, 113.2, 333.1, 0.0); (504472.0, 3635275.9, 112.8, 333.1, 0.0);
(504522.0, 3635275.9, 112.7, 279.6, 0.0); (504572.0, 3635275.9, 112.8, 279.6, 0.0);
(504622.0, 3635275.9, 113.1, 279.6, 0.0); (504672.0, 3635275.9, 112.0, 279.6, 0.0);
(502722.0, 3635325.9, 112.2, 333.1, 0.0); (502772.0, 3635325.9, 112.7, 333.1, 0.0);
(502822.0, 3635325.9, 112.8, 333.1, 0.0); (502872.0, 3635325.9, 112.7, 333.1, 0.0);
(502922.0, 3635325.9, 112.9, 333.1, 0.0); (502972.0, 3635325.9, 112.5, 333.1, 0.0);
(503022.0, 3635325.9, 112.8, 333.1, 0.0); (503072.0, 3635325.9, 112.8, 333.1, 0.0);
(503122.0, 3635325.9, 112.8, 333.1, 0.0); (503172.0, 3635325.9, 112.8, 333.1, 0.0);
(503222.0, 3635325.9, 110.8, 333.1, 0.0); (503272.0, 3635325.9, 110.9, 333.1, 0.0);
(503322.0, 3635325.9, 110.8, 333.1, 0.0); (503372.0, 3635325.9, 111.3, 333.1, 0.0);
(503422.0, 3635325.9, 111.3, 333.1, 0.0); (503472.0, 3635325.9, 111.4, 333.1, 0.0);
(503522.0, 3635325.9, 110.8, 333.1, 0.0); (503572.0, 3635325.9, 112.3, 333.1, 0.0);
(503622.0, 3635325.9, 115.0, 333.1, 0.0); (504372.0, 3635325.9, 113.3, 333.1, 0.0);
(504422.0, 3635325.9, 113.2, 333.1, 0.0); (504472.0, 3635325.9, 113.0, 333.1, 0.0);
(504522.0, 3635325.9, 112.6, 333.1, 0.0); (504572.0, 3635325.9, 112.4, 333.1, 0.0);
(504622.0, 3635325.9, 113.1, 279.6, 0.0); (504672.0, 3635325.9, 113.7, 279.6, 0.0);
(504722.0, 3635325.9, 111.8, 279.6, 0.0); (502722.0, 3635375.9, 113.3, 333.1, 0.0);
(502772.0, 3635375.9, 116.1, 333.1, 0.0); (502822.0,

3635375.9,   116.4,   333.1,   0.0);
     (502872.0, 3635375.9,   116.3,   333.1,   0.0);   (502922.0,
3635375.9,   115.7,   333.1,   0.0);
     (502972.0, 3635375.9,   113.2,   333.1,   0.0);   (503022.0,
3635375.9,   115.0,   333.1,   0.0);
     (503072.0, 3635375.9,   115.8,   333.1,   0.0);   (503122.0,
3635375.9,   113.6,   333.1,   0.0);
     (503172.0, 3635375.9,   113.1,   333.1,   0.0);   (503222.0,
3635375.9,   111.2,   333.1,   0.0);
     (503272.0, 3635375.9,   111.2,   333.1,   0.0);   (503322.0,
3635375.9,   111.4,   333.1,   0.0);
     (503372.0, 3635375.9,   111.6,   333.1,   0.0);   (503422.0,
3635375.9,   111.5,   333.1,   0.0);
     (503472.0, 3635375.9,   111.4,   333.1,   0.0);   (503522.0,
3635375.9,   111.3,   333.1,   0.0);
     (503572.0, 3635375.9,   112.4,   333.1,   0.0);   (503622.0,
3635375.9,   113.4,   333.1,   0.0);
     (503672.0, 3635375.9,   116.5,   333.1,   0.0);   (503722.0,
3635375.9,   120.5,   333.1,   0.0);
     (504372.0, 3635375.9,   113.3,   333.1,   0.0);   (504422.0,
3635375.9,   113.1,   333.1,   0.0);
     (504472.0, 3635375.9,   112.7,   333.1,   0.0);   (504522.0,
3635375.9,   112.6,   333.1,   0.0);
     (504572.0, 3635375.9,   112.4,   333.1,   0.0);   (504622.0,
3635375.9,   113.2,   333.1,   0.0);
     (504672.0, 3635375.9,   113.7,   279.6,   0.0);   (504722.0,
3635375.9,   113.6,   279.6,   0.0);
     (502722.0, 3635425.9,   114.6,   333.1,   0.0);   (502772.0,
3635425.9,   116.7,   333.1,   0.0);
     (502822.0, 3635425.9,   116.9,   333.1,   0.0);   (502872.0,
3635425.9,   117.0,   333.1,   0.0);
     (502922.0, 3635425.9,   116.9,   333.1,   0.0);   (502972.0,
3635425.9,   116.5,   333.1,   0.0);
     (503022.0, 3635425.9,   116.5,   333.1,   0.0);   (503072.0,
3635425.9,   116.3,   333.1,   0.0);
     (503122.0, 3635425.9,   113.4,   333.1,   0.0);   (503172.0,
3635425.9,   113.2,   333.1,   0.0);
     (503222.0, 3635425.9,   112.8,   333.1,   0.0);   (503272.0,
3635425.9,   113.7,   333.1,   0.0);
     (503322.0, 3635425.9,   113.4,   333.1,   0.0);   (503372.0,
3635425.9,   113.1,   333.1,   0.0);
     (503422.0, 3635425.9,   112.8,   333.1,   0.0);   (503472.0,
3635425.9,   113.1,   333.1,   0.0);
     (503522.0, 3635425.9,   113.5,   333.1,   0.0);   (503572.0,
3635425.9,   113.7,   333.1,   0.0);
     (503622.0, 3635425.9,   114.0,   333.1,   0.0);   (503672.0,
3635425.9,   116.4,   333.1,   0.0);
     (503722.0, 3635425.9,   117.8,   333.1,   0.0);   (503772.0,
3635425.9,   119.1,   333.1,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(503822.0, 3635425.9, 120.3, 333.1, 0.0); (504372.0, 3635425.9, 113.5, 333.1, 0.0);
(504422.0, 3635425.9, 113.6, 333.1, 0.0); (504472.0, 3635425.9, 113.5, 333.1, 0.0);
(504522.0, 3635425.9, 112.9, 333.1, 0.0); (504572.0, 3635425.9, 112.8, 333.1, 0.0);
(504622.0, 3635425.9, 113.4, 333.1, 0.0); (504672.0, 3635425.9, 113.6, 333.1, 0.0);
(504722.0, 3635425.9, 113.8, 279.6, 0.0); (502722.0, 3635475.9, 116.3, 333.1, 0.0);
(502772.0, 3635475.9, 116.9, 333.1, 0.0); (502822.0, 3635475.9, 117.0, 333.1, 0.0);
(502872.0, 3635475.9, 117.0, 333.1, 0.0); (502922.0, 3635475.9, 116.6, 333.1, 0.0);
(502972.0, 3635475.9, 116.8, 333.1, 0.0); (503022.0, 3635475.9, 116.7, 333.1, 0.0);
(503072.0, 3635475.9, 115.7, 333.1, 0.0); (503122.0, 3635475.9, 113.3, 333.1, 0.0);
(503172.0, 3635475.9, 113.3, 333.1, 0.0); (503222.0, 3635475.9, 113.6, 333.1, 0.0);
(503272.0, 3635475.9, 114.0, 333.1, 0.0); (503322.0, 3635475.9, 113.9, 333.1, 0.0);
(503372.0, 3635475.9, 113.5, 333.1, 0.0); (503422.0, 3635475.9, 113.4, 333.1, 0.0);
(503472.0, 3635475.9, 113.6, 333.1, 0.0); (503522.0, 3635475.9, 113.8, 333.1, 0.0);
(503572.0, 3635475.9, 114.2, 333.1, 0.0); (503622.0, 3635475.9, 114.2, 333.1, 0.0);
(503672.0, 3635475.9, 115.2, 333.1, 0.0); (503722.0, 3635475.9, 115.8, 333.1, 0.0);
(503772.0, 3635475.9, 117.9, 333.1, 0.0); (503822.0, 3635475.9, 117.9, 333.1, 0.0);
(503872.0, 3635475.9, 117.4, 333.1, 0.0); (503922.0, 3635475.9, 117.4, 333.1, 0.0);
(504372.0, 3635475.9, 112.4, 333.1, 0.0); (504422.0, 3635475.9, 112.8, 333.1, 0.0);
(504472.0, 3635475.9, 113.3, 333.1, 0.0); (504522.0, 3635475.9, 112.8, 333.1, 0.0);
(504572.0, 3635475.9, 113.2, 333.1, 0.0); (504622.0,

```
3635475.9,     113.5,     333.1,       0.0);
     ( 504672.0, 3635475.9,     113.7,     333.1,       0.0);         ( 504722.0,
3635475.9,     114.5,     333.1,       0.0);
     ( 502222.0, 3632975.9,     106.9,     106.9,       0.0);         ( 502272.0,
3632975.9,     106.9,     106.9,       0.0);
     ( 502322.0, 3632975.9,     107.1,     107.1,       0.0);         ( 502372.0,
3632975.9,     107.5,     107.5,       0.0);
     ( 502422.0, 3632975.9,     107.9,     169.3,       0.0);         ( 502472.0,
3632975.9,     108.4,     169.3,       0.0);
     ( 502522.0, 3632975.9,     108.1,     318.9,       0.0);         ( 502572.0,
3632975.9,     108.5,     318.9,       0.0);
     ( 502622.0, 3632975.9,     109.1,     318.9,       0.0);         ( 502672.0,
3632975.9,     110.1,     318.9,       0.0);
     ( 502722.0, 3632975.9,     111.2,     329.3,       0.0);         ( 502772.0,
3632975.9,     112.8,     329.9,       0.0);
     ( 502822.0, 3632975.9,     116.1,     329.9,       0.0);         ( 502872.0,
3632975.9,     122.4,     329.9,       0.0);
     ( 502922.0, 3632975.9,     122.8,     335.8,       0.0);         ( 502972.0,
3632975.9,     152.4,     318.9,       0.0);
     ( 503022.0, 3632975.9,     153.2,     318.9,       0.0);         ( 503072.0,
3632975.9,     138.8,     335.8,       0.0);
     ( 503122.0, 3632975.9,     127.8,     360.8,       0.0);         ( 503172.0,
3632975.9,     122.2,     363.3,       0.0);
     ( 503222.0, 3632975.9,     120.5,     363.3,       0.0);         ( 503272.0,
3632975.9,     120.8,     363.3,       0.0);
     ( 503322.0, 3632975.9,     121.7,     363.3,       0.0);         ( 503372.0,
3632975.9,     122.3,     363.3,       0.0);
     ( 503422.0, 3632975.9,     125.5,     363.3,       0.0);         ( 503472.0,
3632975.9,     127.5,     363.3,       0.0);
     ( 503622.0, 3632975.9,     137.2,     363.3,       0.0);         ( 503672.0,
3632975.9,     141.7,     363.3,       0.0);
     ( 503722.0, 3632975.9,     146.8,     363.3,       0.0);         ( 503772.0,
3632975.9,     154.2,     363.3,       0.0);
     ( 503822.0, 3632975.9,     174.0,     363.3,       0.0);         ( 503872.0,
3632975.9,     198.6,     360.8,       0.0);
     ( 503922.0, 3632975.9,     212.6,     338.4,       0.0);         ( 503972.0,
3632975.9,     218.4,     338.4,       0.0);
     ( 504022.0, 3632975.9,     229.3,     337.2,       0.0);         ( 504072.0,
3632975.9,     230.7,     337.5,       0.0);
     ( 504122.0, 3632975.9,     246.7,     329.9,       0.0);         ( 504172.0,
3632975.9,     248.2,     335.8,       0.0);
     ( 504222.0, 3632975.9,     252.1,     336.5,       0.0);         ( 504272.0,
3632975.9,     252.2,     337.2,       0.0);
     ( 504322.0, 3632975.9,     253.4,     338.4,       0.0);         ( 504372.0,
3632975.9,     266.4,     336.5,       0.0);
     ( 504422.0, 3632975.9,     272.5,     335.8,       0.0);         ( 504472.0,
3632975.9,     274.5,     336.5,       0.0);
     ( 504522.0, 3632975.9,     272.2,     338.4,       0.0);         ( 504572.0,
3632975.9,     274.9,     338.6,       0.0);
     ( 504622.0, 3632975.9,     281.7,     338.4,       0.0);         ( 504672.0,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (504722.0, 3632975.9,   287.5,   338.6,   0.0);   (504772.0, 3632975.9,   290.1,   338.6,   0.0);
     (504822.0, 3632975.9,   304.8,   337.2,   0.0);   (504872.0, 3632975.9,   316.5,   335.8,   0.0);
     (504922.0, 3632975.9,   318.4,   336.5,   0.0);   (504972.0, 3632975.9,   321.0,   336.5,   0.0);
     (505022.0, 3632975.9,   332.2,   333.6,   0.0);   (505072.0, 3632975.9,   332.3,   334.2,   0.0);
     (505122.0, 3632975.9,   312.8,   338.7,   0.0);   (505172.0, 3632975.9,   288.7,   363.3,   0.0);
     (505222.0, 3632975.9,   272.2,   363.3,   0.0);   (502222.0, 3633025.9,   104.8,   104.8,   0.0);
     (502272.0, 3633025.9,   106.9,   106.9,   0.0);   (502322.0, 3633025.9,   106.6,   106.6,   0.0);
     (502372.0, 3633025.9,   107.2,   107.2,   0.0);   (502422.0, 3633025.9,   107.8,   169.3,   0.0);
     (502472.0, 3633025.9,   107.7,   169.3,   0.0);   (502522.0, 3633025.9,   108.1,   318.9,   0.0);
     (502572.0, 3633025.9,   108.7,   318.9,   0.0);   (502622.0, 3633025.9,   109.6,   318.9,   0.0);
     (502672.0, 3633025.9,   110.2,   318.9,   0.0);   (502722.0, 3633025.9,   111.1,   328.1,   0.0);
     (502772.0, 3633025.9,   112.3,   329.9,   0.0);   (502822.0, 3633025.9,   116.4,   329.9,   0.0);
     (502872.0, 3633025.9,   119.3,   335.8,   0.0);   (502922.0, 3633025.9,   122.9,   335.8,   0.0);
     (502972.0, 3633025.9,   151.8,   318.9,   0.0);   (503022.0, 3633025.9,   146.4,   318.9,   0.0);
     (503072.0, 3633025.9,   130.5,   337.5,   0.0);   (503122.0, 3633025.9,   122.3,   362.2,   0.0);
     (503172.0, 3633025.9,   120.5,   363.3,   0.0);   (503222.0, 3633025.9,   118.9,   363.3,   0.0);
     (503272.0, 3633025.9,   119.7,   363.3,   0.0);   (503322.0, 3633025.9,   120.1,   363.3,   0.0);
     (503372.0, 3633025.9,   121.9,   363.3,   0.0);   (503422.0, 3633025.9,   127.2,   363.3,   0.0);
     (503472.0, 3633025.9,   127.4,   363.3,   0.0);   (503622.0,

3633025.9,   138.6,   363.3,   0.0);
     (503672.0, 3633025.9,   141.9,   363.3,   0.0);   (503722.0,
3633025.9,   144.9,   363.3,   0.0);
     (503772.0, 3633025.9,   160.9,   363.3,   0.0);   (503822.0,
3633025.9,   182.7,   363.3,   0.0);
     (503872.0, 3633025.9,   204.8,   338.6,   0.0);   (503922.0,
3633025.9,   218.2,   337.2,   0.0);
     (503972.0, 3633025.9,   226.2,   336.5,   0.0);   (504022.0,
3633025.9,   234.3,   333.3,   0.0);
     (504072.0, 3633025.9,   243.6,   329.3,   0.0);   (504122.0,
3633025.9,   251.0,   328.1,   0.0);
     (504172.0, 3633025.9,   254.1,   329.3,   0.0);   (504222.0,
3633025.9,   253.2,   335.8,   0.0);
     (504272.0, 3633025.9,   254.0,   336.5,   0.0);   (504322.0,
3633025.9,   255.5,   337.2,   0.0);
     (504372.0, 3633025.9,   267.6,   335.8,   0.0);   (504422.0,
3633025.9,   274.4,   333.3,   0.0);
     (504472.0, 3633025.9,   276.2,   335.8,   0.0);   (504522.0,
3633025.9,   284.5,   331.0,   0.0);
     (504572.0, 3633025.9,   292.8,   329.3,   0.0);   (504622.0,
3633025.9,   299.3,   329.3,   0.0);
     (504672.0, 3633025.9,   301.5,   329.3,   0.0);   (504722.0,
3633025.9,   301.3,   335.8,   0.0);
     (504772.0, 3633025.9,   299.9,   336.9,   0.0);   (504822.0,
3633025.9,   307.1,   336.5,   0.0);
     (504872.0, 3633025.9,   300.6,   337.8,   0.0);   (504922.0,
3633025.9,   297.0,   338.7,   0.0);
     (504972.0, 3633025.9,   302.8,   338.6,   0.0);   (505022.0,
3633025.9,   320.4,   336.0,   0.0);
     (505072.0, 3633025.9,   323.8,   336.0,   0.0);   (505122.0,
3633025.9,   305.1,   338.7,   0.0);
     (505172.0, 3633025.9,   281.2,   363.3,   0.0);   (505222.0,
3633025.9,   258.8,   363.3,   0.0);
     (502222.0, 3633075.9,   105.0,   105.0,   0.0);   (502272.0,
3633075.9,   106.7,   106.7,   0.0);
     (502322.0, 3633075.9,   106.9,   106.9,   0.0);   (502372.0,
3633075.9,   107.2,   107.2,   0.0);
     (502422.0, 3633075.9,   107.6,   169.3,   0.0);   (502472.0,
3633075.9,   107.2,   169.3,   0.0);
     (502522.0, 3633075.9,   107.7,   318.9,   0.0);   (502572.0,
3633075.9,   108.6,   318.9,   0.0);
     (502622.0, 3633075.9,   109.3,   318.9,   0.0);   (502672.0,
3633075.9,   109.4,   318.9,   0.0);
     (502722.0, 3633075.9,   110.8,   328.1,   0.0);   (502772.0,
3633075.9,   111.5,   329.9,   0.0);
     (502822.0, 3633075.9,   114.8,   331.0,   0.0);   (502872.0,
3633075.9,   116.9,   335.8,   0.0);
     (502922.0, 3633075.9,   119.5,   336.5,   0.0);   (502972.0,
3633075.9,   126.2,   336.5,   0.0);
     (503022.0, 3633075.9,   124.1,   338.4,   0.0);   (503072.0,

```
3633075.9,     123.1,     338.6,       0.0);
     ( 503122.0, 3633075.9,     120.4,     363.3,       0.0);         ( 503172.0,
3633075.9,     119.1,     363.3,       0.0);
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                 PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                      (METERS)

     ( 503222.0, 3633075.9,     117.3,     363.3,       0.0);         ( 503272.0,
3633075.9,     118.8,     363.3,       0.0);
     ( 503322.0, 3633075.9,     120.1,     363.3,       0.0);         ( 503372.0,
3633075.9,     122.1,     363.3,       0.0);
     ( 503422.0, 3633075.9,     126.9,     363.3,       0.0);         ( 503472.0,
3633075.9,     127.2,     363.3,       0.0);
     ( 503622.0, 3633075.9,     139.7,     363.3,       0.0);         ( 503672.0,
3633075.9,     144.3,     363.3,       0.0);
     ( 503722.0, 3633075.9,     148.0,     363.3,       0.0);         ( 503772.0,
3633075.9,     164.9,     363.3,       0.0);
     ( 503822.0, 3633075.9,     189.2,     360.8,       0.0);         ( 503872.0,
3633075.9,     213.6,     336.5,       0.0);
     ( 503922.0, 3633075.9,     221.3,     335.8,       0.0);         ( 503972.0,
3633075.9,     223.8,     336.5,       0.0);
     ( 504022.0, 3633075.9,     235.4,     329.9,       0.0);         ( 504072.0,
3633075.9,     244.1,     329.3,       0.0);
     ( 504122.0, 3633075.9,     250.4,     328.1,       0.0);         ( 504172.0,
3633075.9,     253.3,     329.3,       0.0);
     ( 504222.0, 3633075.9,     253.3,     333.3,       0.0);         ( 504272.0,
3633075.9,     253.6,     336.5,       0.0);
     ( 504322.0, 3633075.9,     251.6,     337.5,       0.0);         ( 504372.0,
3633075.9,     265.5,     335.8,       0.0);
     ( 504422.0, 3633075.9,     268.4,     336.5,       0.0);         ( 504472.0,
3633075.9,     280.1,     329.9,       0.0);
     ( 504522.0, 3633075.9,     295.0,     318.9,       0.0);         ( 504572.0,
3633075.9,     306.4,     318.9,       0.0);
     ( 504622.0, 3633075.9,     316.2,     316.2,       0.0);         ( 504672.0,
3633075.9,     316.2,     316.2,       0.0);
     ( 504722.0, 3633075.9,     313.6,     317.4,       0.0);         ( 504772.0,
3633075.9,     304.6,     333.6,       0.0);
     ( 504822.0, 3633075.9,     299.1,     336.9,       0.0);         ( 504872.0,
3633075.9,     286.8,     338.7,       0.0);
     ( 504922.0, 3633075.9,     274.0,     362.2,       0.0);         ( 504972.0,
3633075.9,     285.5,     338.7,       0.0);
     ( 505022.0, 3633075.9,     303.1,     338.1,       0.0);         ( 505072.0,
```

3633075.9,   311.9,   337.0,   0.0);
     (505122.0, 3633075.9,   299.4,   338.7,   0.0);   (505172.0,
3633075.9,   275.2,   363.3,   0.0);
     (505222.0, 3633075.9,   255.3,   363.3,   0.0);   (502222.0,
3633125.9,   105.9,   105.9,   0.0);
     (502272.0, 3633125.9,   106.5,   106.5,   0.0);   (502322.0,
3633125.9,   106.7,   106.7,   0.0);
     (502372.0, 3633125.9,   106.9,   106.9,   0.0);   (502422.0,
3633125.9,   107.4,   107.4,   0.0);
     (502472.0, 3633125.9,   107.3,   169.3,   0.0);   (502522.0,
3633125.9,   107.7,   318.9,   0.0);
     (502572.0, 3633125.9,   108.1,   318.9,   0.0);   (502622.0,
3633125.9,   108.6,   318.9,   0.0);
     (502672.0, 3633125.9,   109.6,   318.9,   0.0);   (502722.0,
3633125.9,   110.1,   329.3,   0.0);
     (502772.0, 3633125.9,   111.7,   329.9,   0.0);   (502822.0,
3633125.9,   112.6,   335.8,   0.0);
     (502872.0, 3633125.9,   115.2,   336.5,   0.0);   (502922.0,
3633125.9,   116.4,   337.2,   0.0);
     (502972.0, 3633125.9,   119.2,   337.5,   0.0);   (503022.0,
3633125.9,   120.9,   338.6,   0.0);
     (503072.0, 3633125.9,   119.7,   338.6,   0.0);   (503122.0,
3633125.9,   118.6,   363.3,   0.0);
     (503172.0, 3633125.9,   117.4,   363.3,   0.0);   (503222.0,
3633125.9,   116.9,   363.3,   0.0);
     (503272.0, 3633125.9,   117.8,   363.3,   0.0);   (503322.0,
3633125.9,   118.4,   363.3,   0.0);
     (503372.0, 3633125.9,   121.5,   363.3,   0.0);   (503422.0,
3633125.9,   126.8,   363.3,   0.0);
     (503472.0, 3633125.9,   127.1,   363.3,   0.0);   (503622.0,
3633125.9,   141.3,   363.3,   0.0);
     (503672.0, 3633125.9,   147.8,   363.3,   0.0);   (503722.0,
3633125.9,   151.9,   363.3,   0.0);
     (503772.0, 3633125.9,   173.5,   363.3,   0.0);   (503822.0,
3633125.9,   195.8,   338.6,   0.0);
     (503872.0, 3633125.9,   215.7,   335.8,   0.0);   (503922.0,
3633125.9,   221.0,   335.8,   0.0);
     (503972.0, 3633125.9,   223.1,   336.5,   0.0);   (504022.0,
3633125.9,   240.2,   328.1,   0.0);
     (504072.0, 3633125.9,   243.6,   329.3,   0.0);   (504122.0,
3633125.9,   244.4,   329.9,   0.0);
     (504172.0, 3633125.9,   246.0,   335.8,   0.0);   (504222.0,
3633125.9,   247.2,   336.5,   0.0);
     (504272.0, 3633125.9,   246.4,   337.5,   0.0);   (504322.0,
3633125.9,   248.9,   337.5,   0.0);
     (504372.0, 3633125.9,   254.3,   337.5,   0.0);   (504422.0,
3633125.9,   258.3,   337.5,   0.0);
     (504472.0, 3633125.9,   275.0,   335.8,   0.0);   (504522.0,
3633125.9,   295.1,   318.9,   0.0);
     (504572.0, 3633125.9,   312.2,   318.9,   0.0);   (504622.0,

3633125.9,   315.9,   318.9,   0.0);
     (504672.0, 3633125.9,   311.2,   318.9,   0.0);   (504722.0,
3633125.9,   308.9,   318.3,   0.0);
     (504772.0, 3633125.9,   301.1,   334.2,   0.0);   (504822.0,
3633125.9,   291.8,   337.8,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (504872.0, 3633125.9,   273.5,   338.7,   0.0);   (504922.0,
3633125.9,   252.5,   363.3,   0.0);
     (504972.0, 3633125.9,   263.1,   363.3,   0.0);   (505022.0,
3633125.9,   285.6,   338.7,   0.0);
     (505072.0, 3633125.9,   308.2,   337.0,   0.0);   (505122.0,
3633125.9,   295.4,   338.7,   0.0);
     (505172.0, 3633125.9,   272.3,   363.3,   0.0);   (505222.0,
3633125.9,   249.6,   363.3,   0.0);
     (502222.0, 3633175.9,   105.7,   105.7,   0.0);   (502272.0,
3633175.9,   105.8,   105.8,   0.0);
     (502322.0, 3633175.9,   106.0,   106.0,   0.0);   (502372.0,
3633175.9,   107.2,   107.2,   0.0);
     (502422.0, 3633175.9,   108.0,   108.0,   0.0);   (502472.0,
3633175.9,   107.9,   169.3,   0.0);
     (502522.0, 3633175.9,   108.3,   318.9,   0.0);   (502572.0,
3633175.9,   108.8,   318.9,   0.0);
     (502622.0, 3633175.9,   109.4,   318.9,   0.0);   (502672.0,
3633175.9,   110.4,   318.9,   0.0);
     (502722.0, 3633175.9,   112.3,   318.9,   0.0);   (502772.0,
3633175.9,   113.5,   329.3,   0.0);
     (502822.0, 3633175.9,   114.8,   329.9,   0.0);   (502872.0,
3633175.9,   113.8,   336.5,   0.0);
     (502922.0, 3633175.9,   115.0,   337.2,   0.0);   (502972.0,
3633175.9,   115.3,   338.4,   0.0);
     (503022.0, 3633175.9,   116.5,   338.6,   0.0);   (503072.0,
3633175.9,   116.3,   360.8,   0.0);
     (503122.0, 3633175.9,   116.9,   363.3,   0.0);   (503172.0,
3633175.9,   115.9,   363.3,   0.0);
     (503222.0, 3633175.9,   117.0,   363.3,   0.0);   (503272.0,
3633175.9,   118.1,   363.3,   0.0);
     (503322.0, 3633175.9,   118.5,   363.3,   0.0);   (503372.0,
3633175.9,   121.8,   363.3,   0.0);
     (503422.0, 3633175.9,   126.0,   363.3,   0.0);   (503472.0,

3633175.9,   127.7,   363.3,   0.0);
     (503622.0, 3633175.9,   146.4,   363.3,   0.0);   (503672.0,
3633175.9,   149.1,   363.3,   0.0);
     (503722.0, 3633175.9,   159.8,   363.3,   0.0);   (503772.0,
3633175.9,   182.0,   338.7,   0.0);
     (503822.0, 3633175.9,   202.9,   337.2,   0.0);   (503872.0,
3633175.9,   219.0,   329.9,   0.0);
     (503922.0, 3633175.9,   219.4,   335.8,   0.0);   (503972.0,
3633175.9,   221.7,   336.5,   0.0);
     (504022.0, 3633175.9,   238.8,   328.1,   0.0);   (504072.0,
3633175.9,   239.8,   329.3,   0.0);
     (504122.0, 3633175.9,   236.5,   336.5,   0.0);   (504172.0,
3633175.9,   231.6,   338.4,   0.0);
     (504222.0, 3633175.9,   235.1,   338.4,   0.0);   (504272.0,
3633175.9,   238.0,   338.6,   0.0);
     (504322.0, 3633175.9,   240.9,   338.6,   0.0);   (504372.0,
3633175.9,   235.6,   338.7,   0.0);
     (504422.0, 3633175.9,   247.7,   338.6,   0.0);   (504472.0,
3633175.9,   268.1,   336.5,   0.0);
     (504522.0, 3633175.9,   291.4,   318.9,   0.0);   (504572.0,
3633175.9,   307.5,   318.9,   0.0);
     (504622.0, 3633175.9,   301.2,   318.9,   0.0);   (504672.0,
3633175.9,   290.2,   334.2,   0.0);
     (504722.0, 3633175.9,   287.6,   336.5,   0.0);   (504772.0,
3633175.9,   283.6,   337.8,   0.0);
     (504822.0, 3633175.9,   278.8,   338.7,   0.0);   (504872.0,
3633175.9,   260.7,   362.2,   0.0);
     (504922.0, 3633175.9,   237.8,   363.3,   0.0);   (504972.0,
3633175.9,   255.4,   363.3,   0.0);
     (505022.0, 3633175.9,   283.1,   338.7,   0.0);   (505072.0,
3633175.9,   297.9,   338.0,   0.0);
     (505122.0, 3633175.9,   287.4,   338.7,   0.0);   (505172.0,
3633175.9,   269.0,   363.3,   0.0);
     (505222.0, 3633175.9,   250.2,   363.3,   0.0);   (502222.0,
3633225.9,   105.8,   105.8,   0.0);
     (502272.0, 3633225.9,   106.3,   106.3,   0.0);   (502322.0,
3633225.9,   106.3,   106.3,   0.0);
     (502372.0, 3633225.9,   107.7,   107.7,   0.0);   (502422.0,
3633225.9,   108.2,   108.2,   0.0);
     (502472.0, 3633225.9,   107.6,   107.6,   0.0);   (502522.0,
3633225.9,   108.2,   318.9,   0.0);
     (502572.0, 3633225.9,   108.6,   318.9,   0.0);   (502622.0,
3633225.9,   109.4,   318.9,   0.0);
     (502672.0, 3633225.9,   110.3,   318.9,   0.0);   (502722.0,
3633225.9,   112.5,   318.9,   0.0);
     (502772.0, 3633225.9,   112.7,   329.3,   0.0);   (502822.0,
3633225.9,   113.9,   329.9,   0.0);
     (502872.0, 3633225.9,   114.3,   336.5,   0.0);   (502922.0,
3633225.9,   114.2,   337.2,   0.0);
     (502972.0, 3633225.9,   114.1,   338.6,   0.0);   (503022.0,

3633225.9, 114.8, 338.6, 0.0);
(503072.0, 3633225.9, 114.8, 360.8, 0.0); (503122.0, 3633225.9, 114.5, 363.3, 0.0);
(503172.0, 3633225.9, 115.3, 363.3, 0.0); (503222.0, 3633225.9, 116.5, 363.3, 0.0);
(503272.0, 3633225.9, 117.5, 363.3, 0.0); (503322.0, 3633225.9, 119.2, 363.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(503372.0, 3633225.9, 123.2, 363.3, 0.0); (503422.0, 3633225.9, 125.7, 363.3, 0.0);
(503472.0, 3633225.9, 129.2, 363.3, 0.0); (503622.0, 3633225.9, 146.1, 363.3, 0.0);
(503672.0, 3633225.9, 151.9, 363.3, 0.0); (503722.0, 3633225.9, 165.6, 363.3, 0.0);
(503772.0, 3633225.9, 183.5, 338.7, 0.0); (503822.0, 3633225.9, 207.5, 336.5, 0.0);
(503872.0, 3633225.9, 216.3, 333.3, 0.0); (503922.0, 3633225.9, 219.3, 335.8, 0.0);
(503972.0, 3633225.9, 219.8, 336.5, 0.0); (504022.0, 3633225.9, 225.4, 336.5, 0.0);
(504072.0, 3633225.9, 225.0, 337.2, 0.0); (504122.0, 3633225.9, 221.0, 338.6, 0.0);
(504172.0, 3633225.9, 219.4, 338.7, 0.0); (504222.0, 3633225.9, 232.5, 338.6, 0.0);
(504272.0, 3633225.9, 234.6, 338.6, 0.0); (504322.0, 3633225.9, 226.7, 338.7, 0.0);
(504372.0, 3633225.9, 222.8, 363.3, 0.0); (504422.0, 3633225.9, 237.8, 338.7, 0.0);
(504472.0, 3633225.9, 255.9, 337.8, 0.0); (504522.0, 3633225.9, 276.0, 333.6, 0.0);
(504572.0, 3633225.9, 286.0, 318.9, 0.0); (504622.0, 3633225.9, 279.0, 336.5, 0.0);
(504672.0, 3633225.9, 264.0, 338.7, 0.0); (504722.0, 3633225.9, 259.5, 338.7, 0.0);
(504772.0, 3633225.9, 262.6, 338.7, 0.0); (504822.0, 3633225.9, 251.0, 363.3, 0.0);
(504872.0, 3633225.9, 243.8, 363.3, 0.0); (504922.0, 3633225.9, 228.8, 363.3, 0.0);
(504972.0, 3633225.9, 243.7, 363.3, 0.0); (505022.0,

```
3633225.9,     264.9,     362.2,       0.0);
     ( 505072.0, 3633225.9,     271.1,     338.7,       0.0);         ( 505122.0,
3633225.9,     272.2,     352.4,       0.0);
     ( 505172.0, 3633225.9,     273.7,     352.4,       0.0);         ( 505222.0,
3633225.9,     256.1,     363.3,       0.0);
     ( 502222.0, 3633275.9,     105.6,     105.6,       0.0);         ( 502272.0,
3633275.9,     106.0,     106.0,       0.0);
     ( 502322.0, 3633275.9,     107.0,     107.0,       0.0);         ( 502372.0,
3633275.9,     107.7,     107.7,       0.0);
     ( 502422.0, 3633275.9,     107.8,     107.8,       0.0);         ( 502472.0,
3633275.9,     108.1,     108.1,       0.0);
     ( 502522.0, 3633275.9,     108.5,     318.9,       0.0);         ( 502572.0,
3633275.9,     108.8,     318.9,       0.0);
     ( 502622.0, 3633275.9,     109.7,     318.9,       0.0);         ( 502672.0,
3633275.9,     110.3,     318.9,       0.0);
     ( 502722.0, 3633275.9,     111.0,     318.9,       0.0);         ( 502772.0,
3633275.9,     112.7,     329.3,       0.0);
     ( 502822.0, 3633275.9,     116.4,     329.3,       0.0);         ( 502872.0,
3633275.9,     114.3,     335.8,       0.0);
     ( 502922.0, 3633275.9,     113.5,     337.2,       0.0);         ( 502972.0,
3633275.9,     113.5,     338.4,       0.0);
     ( 503022.0, 3633275.9,     114.3,     338.6,       0.0);         ( 503072.0,
3633275.9,     114.0,     338.7,       0.0);
     ( 503122.0, 3633275.9,     113.5,     363.3,       0.0);         ( 503172.0,
3633275.9,     114.0,     363.3,       0.0);
     ( 503222.0, 3633275.9,     115.4,     363.3,       0.0);         ( 503272.0,
3633275.9,     118.3,     363.3,       0.0);
     ( 503322.0, 3633275.9,     119.3,     363.3,       0.0);         ( 503372.0,
3633275.9,     122.8,     363.3,       0.0);
     ( 503422.0, 3633275.9,     126.2,     363.3,       0.0);         ( 503472.0,
3633275.9,     147.4,     362.2,       0.0);
     ( 503622.0, 3633275.9,     151.0,     363.3,       0.0);         ( 503672.0,
3633275.9,     156.6,     363.3,       0.0);
     ( 503722.0, 3633275.9,     172.1,     360.8,       0.0);         ( 503772.0,
3633275.9,     190.1,     338.4,       0.0);
     ( 503822.0, 3633275.9,     212.1,     329.9,       0.0);         ( 503872.0,
3633275.9,     215.9,     329.9,       0.0);
     ( 503922.0, 3633275.9,     212.6,     336.5,       0.0);         ( 503972.0,
3633275.9,     202.9,     338.6,       0.0);
     ( 504022.0, 3633275.9,     205.9,     338.7,       0.0);         ( 504072.0,
3633275.9,     210.8,     338.7,       0.0);
     ( 504122.0, 3633275.9,     205.6,     360.8,       0.0);         ( 504172.0,
3633275.9,     212.9,     338.7,       0.0);
     ( 504222.0, 3633275.9,     224.2,     338.7,       0.0);         ( 504272.0,
3633275.9,     225.0,     338.7,       0.0);
     ( 504322.0, 3633275.9,     213.8,     363.3,       0.0);         ( 504372.0,
3633275.9,     206.8,     363.3,       0.0);
     ( 504422.0, 3633275.9,     220.8,     363.3,       0.0);         ( 504472.0,
3633275.9,     239.2,     338.7,       0.0);
     ( 504522.0, 3633275.9,     256.8,     337.8,       0.0);         ( 504572.0,
```

3633275.9,   262.4,   337.8,   0.0);
     (504622.0, 3633275.9,   253.7,   338.7,   0.0);   (504672.0,
3633275.9,   240.9,   362.2,   0.0);
     (504722.0, 3633275.9,   242.2,   363.3,   0.0);   (504772.0,
3633275.9,   259.1,   338.7,   0.0);
     (504822.0, 3633275.9,   244.7,   363.3,   0.0);   (504872.0,
3633275.9,   229.5,   363.3,   0.0);
     (504922.0, 3633275.9,   218.0,   363.3,   0.0);   (504972.0,
3633275.9,   228.2,   363.3,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                        (METERS)

     (505022.0, 3633275.9,   241.2,   363.3,   0.0);   (505072.0,
3633275.9,   243.4,   363.3,   0.0);
     (505122.0, 3633275.9,   250.5,   363.3,   0.0);   (505172.0,
3633275.9,   268.6,   352.4,   0.0);
     (505222.0, 3633275.9,   256.1,   363.3,   0.0);   (502222.0,
3633325.9,   105.7,   105.7,   0.0);
     (502272.0, 3633325.9,   106.3,   106.3,   0.0);   (502322.0,
3633325.9,   107.0,   107.0,   0.0);
     (502372.0, 3633325.9,   107.4,   107.4,   0.0);   (502422.0,
3633325.9,   107.7,   107.7,   0.0);
     (502472.0, 3633325.9,   107.6,   107.6,   0.0);   (502522.0,
3633325.9,   108.3,   318.9,   0.0);
     (502572.0, 3633325.9,   108.8,   318.9,   0.0);   (502622.0,
3633325.9,   109.5,   318.9,   0.0);
     (502672.0, 3633325.9,   110.2,   318.9,   0.0);   (502722.0,
3633325.9,   110.9,   318.9,   0.0);
     (502772.0, 3633325.9,   113.2,   328.1,   0.0);   (502822.0,
3633325.9,   113.9,   329.9,   0.0);
     (502872.0, 3633325.9,   112.5,   336.5,   0.0);   (502922.0,
3633325.9,   112.7,   337.2,   0.0);
     (502972.0, 3633325.9,   113.1,   338.4,   0.0);   (503022.0,
3633325.9,   113.4,   338.6,   0.0);
     (503072.0, 3633325.9,   113.1,   338.7,   0.0);   (503122.0,
3633325.9,   112.8,   362.2,   0.0);
     (503172.0, 3633325.9,   113.0,   363.3,   0.0);   (503222.0,
3633325.9,   113.6,   363.3,   0.0);
     (503272.0, 3633325.9,   118.6,   363.3,   0.0);   (503322.0,
3633325.9,   119.8,   363.3,   0.0);
     (503372.0, 3633325.9,   123.5,   363.3,   0.0);   (503422.0,

3633325.9,   135.8,   363.3,   0.0);
     (503472.0, 3633325.9,   157.7,   338.6,   0.0);   (503622.0,
3633325.9,   156.3,   363.3,   0.0);
     (503672.0, 3633325.9,   162.7,   362.2,   0.0);   (503722.0,
3633325.9,   181.6,   338.6,   0.0);
     (503772.0, 3633325.9,   192.6,   337.2,   0.0);   (503822.0,
3633325.9,   207.5,   333.6,   0.0);
     (503872.0, 3633325.9,   212.5,   333.6,   0.0);   (503922.0,
3633325.9,   198.5,   338.6,   0.0);
     (503972.0, 3633325.9,   186.0,   362.2,   0.0);   (504022.0,
3633325.9,   190.6,   362.2,   0.0);
     (504072.0, 3633325.9,   197.6,   360.8,   0.0);   (504122.0,
3633325.9,   191.2,   363.3,   0.0);
     (504172.0, 3633325.9,   205.1,   360.8,   0.0);   (504222.0,
3633325.9,   217.2,   338.7,   0.0);
     (504272.0, 3633325.9,   211.8,   362.2,   0.0);   (504322.0,
3633325.9,   197.3,   363.3,   0.0);
     (504372.0, 3633325.9,   193.0,   363.3,   0.0);   (504422.0,
3633325.9,   206.7,   363.3,   0.0);
     (504472.0, 3633325.9,   224.0,   362.2,   0.0);   (504522.0,
3633325.9,   239.8,   338.7,   0.0);
     (504572.0, 3633325.9,   240.9,   338.7,   0.0);   (504622.0,
3633325.9,   232.9,   363.3,   0.0);
     (504672.0, 3633325.9,   222.1,   363.3,   0.0);   (504722.0,
3633325.9,   227.6,   363.3,   0.0);
     (504772.0, 3633325.9,   244.2,   362.2,   0.0);   (504822.0,
3633325.9,   239.5,   363.3,   0.0);
     (504872.0, 3633325.9,   215.9,   363.3,   0.0);   (504922.0,
3633325.9,   206.4,   363.3,   0.0);
     (504972.0, 3633325.9,   213.4,   363.3,   0.0);   (505022.0,
3633325.9,   219.5,   363.3,   0.0);
     (505072.0, 3633325.9,   220.5,   363.3,   0.0);   (505122.0,
3633325.9,   240.8,   363.3,   0.0);
     (505172.0, 3633325.9,   258.5,   362.2,   0.0);   (505222.0,
3633325.9,   244.6,   363.3,   0.0);
     (502222.0, 3633375.9,   106.2,   106.2,   0.0);   (502272.0,
3633375.9,   106.5,   106.5,   0.0);
     (502322.0, 3633375.9,   106.7,   106.7,   0.0);   (502372.0,
3633375.9,   107.0,   107.0,   0.0);
     (502422.0, 3633375.9,   107.3,   107.3,   0.0);   (502472.0,
3633375.9,   107.6,   107.6,   0.0);
     (502522.0, 3633375.9,   108.1,   317.2,   0.0);   (502572.0,
3633375.9,   108.7,   318.9,   0.0);
     (502622.0, 3633375.9,   109.3,   318.9,   0.0);   (502672.0,
3633375.9,   109.9,   318.9,   0.0);
     (502722.0, 3633375.9,   110.6,   318.9,   0.0);   (502772.0,
3633375.9,   111.3,   329.3,   0.0);
     (502822.0, 3633375.9,   111.8,   329.9,   0.0);   (502872.0,
3633375.9,   111.8,   336.5,   0.0);
     (502922.0, 3633375.9,   112.1,   337.2,   0.0);   (502972.0,

3633375.9,   112.4,   338.4,   0.0);
     (503022.0, 3633375.9,   112.7,   338.6,   0.0);   (503072.0,
3633375.9,   112.5,   338.7,   0.0);
     (503122.0, 3633375.9,   112.3,   360.8,   0.0);   (503172.0,
3633375.9,   112.4,   363.3,   0.0);
     (503222.0, 3633375.9,   113.1,   363.3,   0.0);   (503272.0,
3633375.9,   113.5,   363.3,   0.0);
     (503322.0, 3633375.9,   116.2,   363.3,   0.0);   (503372.0,
3633375.9,   123.1,   363.3,   0.0);
     (503422.0, 3633375.9,   143.3,   338.7,   0.0);   (503472.0,
3633375.9,   146.7,   338.7,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (503622.0, 3633375.9,   152.7,   363.3,   0.0);   (503672.0,
3633375.9,   161.6,   360.8,   0.0);
     (503722.0, 3633375.9,   176.8,   338.6,   0.0);   (503772.0,
3633375.9,   184.3,   338.6,   0.0);
     (503822.0, 3633375.9,   185.9,   338.6,   0.0);   (503872.0,
3633375.9,   194.3,   338.6,   0.0);
     (503922.0, 3633375.9,   183.8,   360.8,   0.0);   (503972.0,
3633375.9,   173.1,   363.3,   0.0);
     (504022.0, 3633375.9,   179.6,   363.3,   0.0);   (504072.0,
3633375.9,   186.6,   363.3,   0.0);
     (504122.0, 3633375.9,   180.4,   363.3,   0.0);   (504172.0,
3633375.9,   198.7,   363.3,   0.0);
     (504222.0, 3633375.9,   202.8,   362.2,   0.0);   (504272.0,
3633375.9,   192.8,   363.3,   0.0);
     (504322.0, 3633375.9,   182.1,   363.3,   0.0);   (504372.0,
3633375.9,   180.2,   363.3,   0.0);
     (504422.0, 3633375.9,   195.5,   363.3,   0.0);   (504472.0,
3633375.9,   213.4,   363.3,   0.0);
     (504522.0, 3633375.9,   227.7,   360.8,   0.0);   (504572.0,
3633375.9,   223.4,   363.3,   0.0);
     (504622.0, 3633375.9,   215.6,   363.3,   0.0);   (504672.0,
3633375.9,   205.4,   363.3,   0.0);
     (504722.0, 3633375.9,   215.3,   363.3,   0.0);   (504772.0,
3633375.9,   230.3,   363.3,   0.0);
     (504822.0, 3633375.9,   223.0,   363.3,   0.0);   (504872.0,
3633375.9,   199.1,   363.3,   0.0);
     (504922.0, 3633375.9,   196.3,   363.3,   0.0);   (504972.0,

3633375.9,   199.2,   363.3,   0.0);
     (505022.0, 3633375.9,   203.7,   363.3,   0.0);   (505072.0,
3633375.9,   216.9,   363.3,   0.0);
     (505122.0, 3633375.9,   237.4,   363.3,   0.0);   (505172.0,
3633375.9,   247.7,   363.3,   0.0);
     (505222.0, 3633375.9,   230.3,   363.3,   0.0);   (502222.0,
3633425.9,   105.7,   105.7,   0.0);
     (502272.0, 3633425.9,   105.6,   105.6,   0.0);   (502322.0,
3633425.9,   105.5,   105.5,   0.0);
     (502372.0, 3633425.9,   105.7,   105.7,   0.0);   (502422.0,
3633425.9,   106.3,   106.3,   0.0);
     (502472.0, 3633425.9,   108.2,   108.2,   0.0);   (502522.0,
3633425.9,   108.4,   108.4,   0.0);
     (502572.0, 3633425.9,   108.6,   318.9,   0.0);   (502622.0,
3633425.9,   109.1,   318.9,   0.0);
     (502672.0, 3633425.9,   109.2,   318.9,   0.0);   (502722.0,
3633425.9,   109.5,   318.9,   0.0);
     (502772.0, 3633425.9,   110.0,   329.3,   0.0);   (502822.0,
3633425.9,   110.3,   329.9,   0.0);
     (502872.0, 3633425.9,   110.7,   335.8,   0.0);   (502922.0,
3633425.9,   111.5,   337.2,   0.0);
     (502972.0, 3633425.9,   111.8,   337.5,   0.0);   (503022.0,
3633425.9,   111.7,   338.6,   0.0);
     (503072.0, 3633425.9,   112.0,   338.7,   0.0);   (503122.0,
3633425.9,   111.4,   360.8,   0.0);
     (503172.0, 3633425.9,   111.9,   362.2,   0.0);   (503222.0,
3633425.9,   112.5,   363.3,   0.0);
     (503272.0, 3633425.9,   113.1,   363.3,   0.0);   (503322.0,
3633425.9,   116.2,   363.3,   0.0);
     (503372.0, 3633425.9,   127.9,   363.3,   0.0);   (503422.0,
3633425.9,   139.1,   357.4,   0.0);
     (503472.0, 3633425.9,   139.7,   362.2,   0.0);   (503622.0,
3633425.9,   142.9,   363.3,   0.0);
     (503672.0, 3633425.9,   153.2,   363.3,   0.0);   (503722.0,
3633425.9,   168.2,   338.7,   0.0);
     (503772.0, 3633425.9,   175.9,   338.7,   0.0);   (503822.0,
3633425.9,   176.7,   338.7,   0.0);
     (503872.0, 3633425.9,   177.4,   357.4,   0.0);   (503922.0,
3633425.9,   167.5,   363.3,   0.0);
     (503972.0, 3633425.9,   165.3,   363.3,   0.0);   (504022.0,
3633425.9,   171.6,   363.3,   0.0);
     (504072.0, 3633425.9,   176.2,   363.3,   0.0);   (504122.0,
3633425.9,   171.0,   363.3,   0.0);
     (504172.0, 3633425.9,   183.2,   363.3,   0.0);   (504222.0,
3633425.9,   181.1,   363.3,   0.0);
     (504272.0, 3633425.9,   172.6,   363.3,   0.0);   (504322.0,
3633425.9,   165.3,   363.3,   0.0);
     (504372.0, 3633425.9,   173.4,   363.3,   0.0);   (504422.0,
3633425.9,   187.2,   363.3,   0.0);
     (504472.0, 3633425.9,   202.2,   363.3,   0.0);   (504522.0,

3633425.9,   215.1,   363.3,   0.0);
     (504572.0, 3633425.9,   209.1,   363.3,   0.0);   (504622.0,
3633425.9,   198.7,   363.3,   0.0);
     (504672.0, 3633425.9,   194.4,   363.3,   0.0);   (504722.0,
3633425.9,   196.7,   363.3,   0.0);
     (504772.0, 3633425.9,   205.7,   363.3,   0.0);   (504822.0,
3633425.9,   208.8,   363.3,   0.0);
     (504872.0, 3633425.9,   188.5,   363.3,   0.0);   (504922.0,
3633425.9,   189.9,   363.3,   0.0);
     (504972.0, 3633425.9,   194.7,   363.3,   0.0);   (505022.0,
3633425.9,   212.1,   363.3,   0.0);
     (505072.0, 3633425.9,   227.3,   363.3,   0.0);   (505122.0,
3633425.9,   237.2,   363.3,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                           (METERS)

     (505172.0, 3633425.9,   236.2,   363.3,   0.0);   (505222.0,
3633425.9,   217.1,   363.3,   0.0);
     (502222.0, 3633475.9,   105.4,   105.4,   0.0);   (502272.0,
3633475.9,   105.2,   105.2,   0.0);
     (502322.0, 3633475.9,   105.3,   105.3,   0.0);   (502372.0,
3633475.9,   105.6,   105.6,   0.0);
     (502422.0, 3633475.9,   106.2,   106.2,   0.0);   (502472.0,
3633475.9,   108.5,   108.5,   0.0);
     (502522.0, 3633475.9,   107.8,   107.8,   0.0);   (502572.0,
3633475.9,   107.9,   318.9,   0.0);
     (502622.0, 3633475.9,   108.6,   318.9,   0.0);   (502672.0,
3633475.9,   108.6,   318.9,   0.0);
     (504772.0, 3633475.9,   181.2,   363.3,   0.0);   (504822.0,
3633475.9,   180.3,   363.3,   0.0);
     (504872.0, 3633475.9,   180.9,   363.3,   0.0);   (504922.0,
3633475.9,   181.3,   363.3,   0.0);
     (504972.0, 3633475.9,   191.1,   363.3,   0.0);   (505022.0,
3633475.9,   211.9,   363.3,   0.0);
     (505072.0, 3633475.9,   224.4,   363.3,   0.0);   (505122.0,
3633475.9,   229.5,   363.3,   0.0);
     (505172.0, 3633475.9,   228.6,   363.3,   0.0);   (505222.0,
3633475.9,   213.1,   363.3,   0.0);
     (502222.0, 3633525.9,   105.9,   114.0,   0.0);   (502272.0,
3633525.9,   105.6,   105.6,   0.0);
     (502322.0, 3633525.9,   105.4,   105.4,   0.0);   (502372.0,

3633525.9,   106.3,   106.3,   0.0);
     (502422.0, 3633525.9,   107.3,   107.3,   0.0);   (502472.0,
3633525.9,   108.8,   108.8,   0.0);
     (502522.0, 3633525.9,   107.4,   107.4,   0.0);   (502572.0,
3633525.9,   106.3,   318.9,   0.0);
     (502622.0, 3633525.9,   107.0,   318.9,   0.0);   (502672.0,
3633525.9,   107.3,   318.9,   0.0);
     (504772.0, 3633525.9,   178.5,   363.3,   0.0);   (504822.0,
3633525.9,   180.3,   363.3,   0.0);
     (504872.0, 3633525.9,   180.7,   363.3,   0.0);   (504922.0,
3633525.9,   180.2,   363.3,   0.0);
     (504972.0, 3633525.9,   180.3,   363.3,   0.0);   (505022.0,
3633525.9,   192.2,   363.3,   0.0);
     (505072.0, 3633525.9,   209.7,   363.3,   0.0);   (505122.0,
3633525.9,   223.2,   363.3,   0.0);
     (505172.0, 3633525.9,   221.7,   363.3,   0.0);   (505222.0,
3633525.9,   210.8,   363.3,   0.0);
     (502222.0, 3633575.9,   108.1,   114.0,   0.0);   (502272.0,
3633575.9,   105.6,   105.6,   0.0);
     (502322.0, 3633575.9,   105.3,   105.3,   0.0);   (502372.0,
3633575.9,   106.4,   106.4,   0.0);
     (502422.0, 3633575.9,   106.9,   106.9,   0.0);   (502472.0,
3633575.9,   106.7,   106.7,   0.0);
     (502522.0, 3633575.9,   106.3,   106.3,   0.0);   (502572.0,
3633575.9,   106.2,   318.9,   0.0);
     (502622.0, 3633575.9,   106.4,   318.9,   0.0);   (502672.0,
3633575.9,   106.6,   318.9,   0.0);
     (504772.0, 3633575.9,   178.5,   363.3,   0.0);   (504822.0,
3633575.9,   178.7,   363.3,   0.0);
     (504872.0, 3633575.9,   178.0,   363.3,   0.0);   (504922.0,
3633575.9,   180.1,   363.3,   0.0);
     (504972.0, 3633575.9,   177.2,   363.3,   0.0);   (505022.0,
3633575.9,   180.2,   363.3,   0.0);
     (505072.0, 3633575.9,   194.3,   363.3,   0.0);   (505122.0,
3633575.9,   211.0,   363.3,   0.0);
     (505172.0, 3633575.9,   212.3,   363.3,   0.0);   (505222.0,
3633575.9,   200.4,   363.3,   0.0);
     (502222.0, 3633625.9,   109.6,   109.6,   0.0);   (502272.0,
3633625.9,   105.2,   113.5,   0.0);
     (502322.0, 3633625.9,   105.8,   105.8,   0.0);   (502372.0,
3633625.9,   106.3,   106.3,   0.0);
     (502422.0, 3633625.9,   107.2,   107.2,   0.0);   (502472.0,
3633625.9,   106.2,   106.2,   0.0);
     (502522.0, 3633625.9,   107.2,   107.2,   0.0);   (502572.0,
3633625.9,   107.2,   318.9,   0.0);
     (502622.0, 3633625.9,   107.3,   318.9,   0.0);   (502672.0,
3633625.9,   107.0,   318.9,   0.0);
     (504772.0, 3633625.9,   178.3,   363.3,   0.0);   (504822.0,
3633625.9,   171.8,   363.3,   0.0);
     (504872.0, 3633625.9,   175.1,   363.3,   0.0);   (504922.0,

3633625.9,   176.0,   363.3,   0.0);
     (504972.0, 3633625.9,   173.2,   363.3,   0.0);   (505022.0,
3633625.9,   174.4,   363.3,   0.0);
     (505072.0, 3633625.9,   187.1,   363.3,   0.0);   (505122.0,
3633625.9,   199.3,   363.3,   0.0);
     (505172.0, 3633625.9,   203.5,   363.3,   0.0);   (505222.0,
3633625.9,   192.7,   363.3,   0.0);
     (502222.0, 3633675.9,   107.5,   113.5,   0.0);   (502272.0,
3633675.9,   104.8,   113.5,   0.0);
     (502322.0, 3633675.9,   105.3,   105.3,   0.0);   (502372.0,
3633675.9,   105.3,   105.3,   0.0);
     (502422.0, 3633675.9,   106.6,   106.6,   0.0);   (502472.0,
3633675.9,   106.7,   106.7,   0.0);
     (502522.0, 3633675.9,   107.3,   107.3,   0.0);   (502572.0,
3633675.9,   107.3,   317.2,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (502622.0, 3633675.9,   107.1,   318.9,   0.0);   (502672.0,
3633675.9,   106.9,   318.9,   0.0);
     (504772.0, 3633675.9,   171.2,   363.3,   0.0);   (504822.0,
3633675.9,   169.1,   363.3,   0.0);
     (504872.0, 3633675.9,   168.2,   363.3,   0.0);   (504922.0,
3633675.9,   167.7,   363.3,   0.0);
     (504972.0, 3633675.9,   167.9,   363.3,   0.0);   (505022.0,
3633675.9,   170.2,   363.3,   0.0);
     (505072.0, 3633675.9,   182.5,   363.3,   0.0);   (505122.0,
3633675.9,   197.3,   363.3,   0.0);
     (505172.0, 3633675.9,   199.4,   363.3,   0.0);   (505222.0,
3633675.9,   189.7,   363.3,   0.0);
     (502222.0, 3633725.9,   106.3,   106.3,   0.0);   (502272.0,
3633725.9,   104.3,   104.3,   0.0);
     (502322.0, 3633725.9,   105.3,   105.3,   0.0);   (502372.0,
3633725.9,   105.7,   105.7,   0.0);
     (502422.0, 3633725.9,   106.3,   106.3,   0.0);   (502472.0,
3633725.9,   106.7,   106.7,   0.0);
     (502522.0, 3633725.9,   107.1,   107.1,   0.0);   (502572.0,
3633725.9,   107.3,   107.3,   0.0);
     (502622.0, 3633725.9,   107.3,   318.9,   0.0);   (502672.0,
3633725.9,   106.9,   318.9,   0.0);
     (504772.0, 3633725.9,   159.6,   363.3,   0.0);   (504822.0,

3633725.9,   163.4,   363.3,   0.0);
     (504872.0, 3633725.9,   162.3,   363.3,   0.0);   (504922.0,
3633725.9,   163.6,   363.3,   0.0);
     (504972.0, 3633725.9,   165.7,   363.3,   0.0);   (505022.0,
3633725.9,   170.9,   363.3,   0.0);
     (505072.0, 3633725.9,   185.4,   363.3,   0.0);   (505122.0,
3633725.9,   198.5,   363.3,   0.0);
     (505172.0, 3633725.9,   194.3,   363.3,   0.0);   (505222.0,
3633725.9,   187.5,   363.3,   0.0);
     (502222.0, 3633775.9,   105.8,   105.8,   0.0);   (502272.0,
3633775.9,   104.0,   109.9,   0.0);
     (502322.0, 3633775.9,   106.3,   106.3,   0.0);   (502372.0,
3633775.9,   106.3,   106.3,   0.0);
     (502422.0, 3633775.9,   107.1,   107.1,   0.0);   (502472.0,
3633775.9,   106.4,   106.4,   0.0);
     (502522.0, 3633775.9,   106.9,   106.9,   0.0);   (502572.0,
3633775.9,   107.3,   107.3,   0.0);
     (502622.0, 3633775.9,   107.0,   318.9,   0.0);   (502672.0,
3633775.9,   106.7,   318.9,   0.0);
     (504772.0, 3633775.9,   152.1,   363.3,   0.0);   (504822.0,
3633775.9,   154.0,   363.3,   0.0);
     (504872.0, 3633775.9,   158.0,   363.3,   0.0);   (504922.0,
3633775.9,   164.2,   363.3,   0.0);
     (504972.0, 3633775.9,   166.6,   363.3,   0.0);   (505022.0,
3633775.9,   173.8,   363.3,   0.0);
     (505072.0, 3633775.9,   183.8,   363.3,   0.0);   (505122.0,
3633775.9,   193.9,   363.3,   0.0);
     (505172.0, 3633775.9,   191.9,   363.3,   0.0);   (505222.0,
3633775.9,   185.2,   363.3,   0.0);
     (502222.0, 3633825.9,   106.8,   110.0,   0.0);   (502272.0,
3633825.9,   104.6,   110.0,   0.0);
     (502322.0, 3633825.9,   105.8,   105.8,   0.0);   (502372.0,
3633825.9,   106.5,   106.5,   0.0);
     (502422.0, 3633825.9,   106.6,   106.6,   0.0);   (502472.0,
3633825.9,   106.4,   106.4,   0.0);
     (502522.0, 3633825.9,   106.7,   106.7,   0.0);   (502572.0,
3633825.9,   107.1,   107.1,   0.0);
     (502622.0, 3633825.9,   107.4,   317.2,   0.0);   (502672.0,
3633825.9,   107.0,   318.9,   0.0);
     (504772.0, 3633825.9,   148.4,   363.3,   0.0);   (504822.0,
3633825.9,   151.7,   363.3,   0.0);
     (504872.0, 3633825.9,   163.4,   363.3,   0.0);   (504922.0,
3633825.9,   171.6,   363.3,   0.0);
     (504972.0, 3633825.9,   174.5,   363.3,   0.0);   (505022.0,
3633825.9,   176.1,   363.3,   0.0);
     (505072.0, 3633825.9,   183.2,   363.3,   0.0);   (505122.0,
3633825.9,   193.4,   363.3,   0.0);
     (505172.0, 3633825.9,   189.7,   363.3,   0.0);   (505222.0,
3633825.9,   182.7,   363.3,   0.0);
     (502222.0, 3633875.9,   105.9,   105.9,   0.0);   (502272.0,

3633875.9,   104.6,   110.0,   0.0);
     (502322.0, 3633875.9,   106.4,   106.4,   0.0);   (502372.0,
3633875.9,   105.8,   106.6,   0.0);
     (502422.0, 3633875.9,   106.3,   106.3,   0.0);   (502472.0,
3633875.9,   105.7,   105.7,   0.0);
     (502522.0, 3633875.9,   106.5,   106.5,   0.0);   (502572.0,
3633875.9,   107.2,   107.2,   0.0);
     (502622.0, 3633875.9,   107.5,   107.5,   0.0);   (502672.0,
3633875.9,   107.0,   318.9,   0.0);
     (504772.0, 3633875.9,   147.3,   363.3,   0.0);   (504822.0,
3633875.9,   154.8,   363.3,   0.0);
     (504872.0, 3633875.9,   167.5,   363.3,   0.0);   (504922.0,
3633875.9,   174.4,   363.3,   0.0);
     (504972.0, 3633875.9,   179.5,   363.3,   0.0);   (505022.0,
3633875.9,   184.2,   363.3,   0.0);
     (505072.0, 3633875.9,   184.0,   363.3,   0.0);   (505122.0,
3633875.9,   189.3,   363.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (505172.0, 3633875.9,   185.5,   363.3,   0.0);   (505222.0,
3633875.9,   180.7,   363.3,   0.0);
     (502222.0, 3633925.9,   105.6,   105.6,   0.0);   (502272.0,
3633925.9,   105.1,   105.1,   0.0);
     (502322.0, 3633925.9,   106.1,   106.1,   0.0);   (502372.0,
3633925.9,   105.2,   105.2,   0.0);
     (502422.0, 3633925.9,   106.5,   106.5,   0.0);   (502472.0,
3633925.9,   106.1,   106.1,   0.0);
     (502522.0, 3633925.9,   106.5,   106.5,   0.0);   (502572.0,
3633925.9,   107.0,   107.0,   0.0);
     (502622.0, 3633925.9,   107.2,   107.2,   0.0);   (502672.0,
3633925.9,   106.9,   318.9,   0.0);
     (504772.0, 3633925.9,   148.8,   363.3,   0.0);   (504822.0,
3633925.9,   156.1,   363.3,   0.0);
     (504872.0, 3633925.9,   163.4,   363.3,   0.0);   (504922.0,
3633925.9,   175.3,   363.3,   0.0);
     (504972.0, 3633925.9,   185.8,   363.3,   0.0);   (505022.0,
3633925.9,   187.1,   363.3,   0.0);
     (505072.0, 3633925.9,   187.1,   363.3,   0.0);   (505122.0,
3633925.9,   186.0,   363.3,   0.0);
     (505172.0, 3633925.9,   181.5,   363.3,   0.0);   (505222.0,

3633925.9,   178.0,   363.3,   0.0);
     (502222.0, 3633975.9,   105.9,   105.9,   0.0);   (502272.0,
3633975.9,   104.1,   107.5,   0.0);
     (502322.0, 3633975.9,   104.8,   104.8,   0.0);   (502372.0,
3633975.9,   105.8,   105.8,   0.0);
     (502422.0, 3633975.9,   106.4,   106.4,   0.0);   (502472.0,
3633975.9,   106.5,   106.5,   0.0);
     (502522.0, 3633975.9,   107.0,   107.0,   0.0);   (502572.0,
3633975.9,   106.9,   106.9,   0.0);
     (502622.0, 3633975.9,   107.2,   107.2,   0.0);   (502672.0,
3633975.9,   106.7,   317.2,   0.0);
     (504772.0, 3633975.9,   152.7,   363.3,   0.0);   (504822.0,
3633975.9,   156.6,   363.3,   0.0);
     (504872.0, 3633975.9,   160.1,   363.3,   0.0);   (504922.0,
3633975.9,   169.3,   363.3,   0.0);
     (504972.0, 3633975.9,   185.8,   363.3,   0.0);   (505022.0,
3633975.9,   191.5,   362.2,   0.0);
     (505072.0, 3633975.9,   192.0,   363.3,   0.0);   (505122.0,
3633975.9,   183.1,   363.3,   0.0);
     (505172.0, 3633975.9,   178.0,   363.3,   0.0);   (505222.0,
3633975.9,   175.3,   363.3,   0.0);
     (502222.0, 3634025.9,   105.9,   105.9,   0.0);   (502272.0,
3634025.9,   104.0,   104.0,   0.0);
     (502322.0, 3634025.9,   104.3,   104.3,   0.0);   (502372.0,
3634025.9,   105.3,   105.3,   0.0);
     (502422.0, 3634025.9,   105.7,   105.7,   0.0);   (502472.0,
3634025.9,   106.0,   106.0,   0.0);
     (502522.0, 3634025.9,   106.3,   106.3,   0.0);   (502572.0,
3634025.9,   106.6,   106.6,   0.0);
     (502622.0, 3634025.9,   107.1,   107.1,   0.0);   (502672.0,
3634025.9,   106.9,   106.9,   0.0);
     (504772.0, 3634025.9,   157.0,   363.3,   0.0);   (504822.0,
3634025.9,   156.3,   363.3,   0.0);
     (504872.0, 3634025.9,   163.9,   363.3,   0.0);   (504922.0,
3634025.9,   174.1,   363.3,   0.0);
     (504972.0, 3634025.9,   191.0,   352.4,   0.0);   (505022.0,
3634025.9,   195.0,   338.7,   0.0);
     (505072.0, 3634025.9,   193.0,   352.4,   0.0);   (505122.0,
3634025.9,   181.5,   363.3,   0.0);
     (505172.0, 3634025.9,   174.5,   363.3,   0.0);   (505222.0,
3634025.9,   172.4,   363.3,   0.0);
     (502222.0, 3634075.9,   104.3,   104.3,   0.0);   (502272.0,
3634075.9,   103.6,   103.6,   0.0);
     (502322.0, 3634075.9,   103.8,   103.8,   0.0);   (502372.0,
3634075.9,   104.0,   104.0,   0.0);
     (502422.0, 3634075.9,   103.9,   103.9,   0.0);   (502472.0,
3634075.9,   104.4,   104.4,   0.0);
     (502522.0, 3634075.9,   105.1,   105.1,   0.0);   (502572.0,
3634075.9,   106.4,   106.4,   0.0);
     (502622.0, 3634075.9,   106.7,   106.7,   0.0);   (502672.0,

```
3634175.9,     104.5,     104.5,       0.0);
     ( 502622.0, 3634175.9,     104.6,     104.6,       0.0);         ( 502672.0,
3634175.9,     105.4,     105.4,       0.0);
     ( 504772.0, 3634175.9,     183.8,     338.7,       0.0);         ( 504822.0,
3634175.9,     187.8,     338.7,       0.0);
     ( 504872.0, 3634175.9,     190.3,     338.7,       0.0);         ( 504922.0,
3634175.9,     190.6,     338.7,       0.0);
     ( 504972.0, 3634175.9,     190.7,     338.7,       0.0);         ( 505022.0,
3634175.9,     186.9,     338.7,       0.0);
     ( 505072.0, 3634175.9,     186.2,     338.7,       0.0);         ( 505122.0,
3634175.9,     173.6,     363.3,       0.0);
     ( 505172.0, 3634175.9,     167.7,     363.3,       0.0);         ( 505222.0,
3634175.9,     162.6,     363.3,       0.0);
     ( 502222.0, 3634225.9,     100.1,     100.1,       0.0);         ( 502272.0,
3634225.9,     100.1,     100.1,       0.0);
     ( 502322.0, 3634225.9,     102.1,     102.1,       0.0);         ( 502372.0,
3634225.9,     104.7,     104.7,       0.0);
     ( 502422.0, 3634225.9,     105.3,     105.3,       0.0);         ( 502472.0,
3634225.9,     105.3,     105.3,       0.0);
     ( 502522.0, 3634225.9,     104.7,     104.7,       0.0);         ( 502572.0,
3634225.9,     104.9,     104.9,       0.0);
     ( 502622.0, 3634225.9,     104.8,     104.8,       0.0);         ( 502672.0,
3634225.9,     105.0,     105.0,       0.0);
     ( 504772.0, 3634225.9,     200.3,     336.0,       0.0);         ( 504822.0,
3634225.9,     203.1,     334.9,       0.0);
     ( 504872.0, 3634225.9,     194.0,     337.8,       0.0);         ( 504922.0,
3634225.9,     192.2,     338.0,       0.0);
     ( 504972.0, 3634225.9,     182.3,     338.7,       0.0);         ( 505022.0,
3634225.9,     182.8,     338.7,       0.0);
     ( 505072.0, 3634225.9,     183.0,     338.7,       0.0);         ( 505122.0,
3634225.9,     174.1,     352.4,       0.0);
     ( 505172.0, 3634225.9,     173.5,     360.8,       0.0);         ( 505222.0,
3634225.9,     163.5,     363.3,       0.0);
     ( 502222.0, 3634275.9,     100.1,     100.1,       0.0);         ( 502272.0,
3634275.9,     100.2,     100.2,       0.0);
     ( 502322.0, 3634275.9,     101.5,     101.5,       0.0);         ( 502372.0,
3634275.9,     104.4,     104.4,       0.0);
     ( 502422.0, 3634275.9,     104.8,     104.8,       0.0);         ( 502472.0,
3634275.9,     104.9,     104.9,       0.0);
     ( 502522.0, 3634275.9,     105.0,     105.0,       0.0);         ( 502572.0,
3634275.9,     104.9,     104.9,       0.0);
     ( 502622.0, 3634275.9,     105.2,     105.2,       0.0);         ( 502672.0,
3634275.9,     105.4,     105.4,       0.0);
     ( 504772.0, 3634275.9,     207.2,     207.2,       0.0);         ( 504822.0,
3634275.9,     203.1,     206.3,       0.0);
     ( 504872.0, 3634275.9,     194.6,     336.4,       0.0);         ( 504922.0,
3634275.9,     186.2,     338.0,       0.0);
     ( 504972.0, 3634275.9,     174.2,     338.7,       0.0);         ( 505022.0,
3634275.9,     179.5,     338.7,       0.0);
     ( 505072.0, 3634275.9,     179.7,     338.7,       0.0);         ( 505122.0,
```

3634275.9,   171.7,   338.7,   0.0);
     (505172.0, 3634275.9,   176.0,   338.7,   0.0);   (505222.0,
3634275.9,   165.1,   362.2,   0.0);
     (502222.0, 3634325.9,   100.6,   100.6,   0.0);   (502272.0,
3634325.9,   101.2,   101.2,   0.0);
     (502322.0, 3634325.9,   101.5,   101.5,   0.0);   (502372.0,
3634325.9,   101.8,   104.7,   0.0);
     (502422.0, 3634325.9,   102.0,   105.0,   0.0);   (502472.0,
3634325.9,   101.9,   104.7,   0.0);
     (502522.0, 3634325.9,   102.0,   102.0,   0.0);   (502572.0,
3634325.9,   102.1,   102.1,   0.0);
     (502622.0, 3634325.9,   102.1,   102.1,   0.0);   (502672.0,
3634325.9,   102.4,   102.4,   0.0);
     (504772.0, 3634325.9,   200.1,   207.6,   0.0);   (504822.0,
3634325.9,   188.5,   336.4,   0.0);
     (504872.0, 3634325.9,   182.5,   337.8,   0.0);   (504922.0,
3634325.9,   174.3,   338.7,   0.0);
     (504972.0, 3634325.9,   168.4,   338.7,   0.0);   (505022.0,
3634325.9,   177.1,   338.7,   0.0);
     (505072.0, 3634325.9,   177.5,   338.7,   0.0);   (505122.0,
3634325.9,   167.3,   338.7,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (505172.0, 3634325.9,   171.4,   338.7,   0.0);   (505222.0,
3634325.9,   167.5,   338.7,   0.0);
     (502222.0, 3634375.9,   101.9,   104.6,   0.0);   (502272.0,
3634375.9,   102.4,   105.0,   0.0);
     (502322.0, 3634375.9,   101.7,   105.1,   0.0);   (502372.0,
3634375.9,   101.2,   101.2,   0.0);
     (502422.0, 3634375.9,   102.4,   104.7,   0.0);   (502472.0,
3634375.9,   103.5,   103.5,   0.0);
     (502522.0, 3634375.9,   105.1,   105.1,   0.0);   (502572.0,
3634375.9,   105.2,   105.2,   0.0);
     (502622.0, 3634375.9,   103.8,   103.8,   0.0);   (502672.0,
3634375.9,   101.8,   104.7,   0.0);
     (504772.0, 3634375.9,   189.8,   334.2,   0.0);   (504822.0,
3634375.9,   175.2,   338.0,   0.0);
     (504872.0, 3634375.9,   171.3,   338.7,   0.0);   (504922.0,
3634375.9,   165.1,   338.7,   0.0);
     (504972.0, 3634375.9,   164.9,   338.7,   0.0);   (505022.0,

3634375.9,   174.1,   338.7,   0.0);
     (505072.0, 3634375.9,   172.8,   338.7,   0.0);   (505122.0,
3634375.9,   162.3,   338.7,   0.0);
     (505172.0, 3634375.9,   165.2,   338.7,   0.0);   (505222.0,
3634375.9,   166.4,   338.7,   0.0);
     (502222.0, 3634425.9,   104.2,   104.2,   0.0);   (502272.0,
3634425.9,   105.0,   105.0,   0.0);
     (502322.0, 3634425.9,   105.0,   105.0,   0.0);   (502372.0,
3634425.9,   105.1,   105.1,   0.0);
     (502422.0, 3634425.9,   105.4,   105.4,   0.0);   (502472.0,
3634425.9,   105.2,   105.2,   0.0);
     (502522.0, 3634425.9,   105.5,   105.5,   0.0);   (502572.0,
3634425.9,   105.5,   105.5,   0.0);
     (502622.0, 3634425.9,   105.5,   105.5,   0.0);   (502672.0,
3634425.9,   105.3,   105.3,   0.0);
     (504772.0, 3634425.9,   185.7,   334.2,   0.0);   (504822.0,
3634425.9,   173.8,   337.8,   0.0);
     (504872.0, 3634425.9,   161.0,   338.7,   0.0);   (504922.0,
3634425.9,   153.6,   338.7,   0.0);
     (504972.0, 3634425.9,   160.4,   338.7,   0.0);   (505022.0,
3634425.9,   162.5,   338.7,   0.0);
     (505072.0, 3634425.9,   158.4,   338.7,   0.0);   (505122.0,
3634425.9,   156.3,   338.7,   0.0);
     (505172.0, 3634425.9,   159.4,   338.7,   0.0);   (505222.0,
3634425.9,   162.1,   338.7,   0.0);
     (502222.0, 3634475.9,   104.5,   104.5,   0.0);   (502272.0,
3634475.9,   104.9,   104.9,   0.0);
     (502322.0, 3634475.9,   105.2,   105.2,   0.0);   (502372.0,
3634475.9,   105.4,   105.4,   0.0);
     (502422.0, 3634475.9,   105.5,   105.5,   0.0);   (502472.0,
3634475.9,   105.4,   105.4,   0.0);
     (502522.0, 3634475.9,   105.8,   105.8,   0.0);   (502572.0,
3634475.9,   105.9,   105.9,   0.0);
     (502622.0, 3634475.9,   105.8,   105.8,   0.0);   (502672.0,
3634475.9,   105.8,   105.8,   0.0);
     (504772.0, 3634475.9,   179.9,   334.2,   0.0);   (504822.0,
3634475.9,   175.6,   336.0,   0.0);
     (504872.0, 3634475.9,   161.3,   338.7,   0.0);   (504922.0,
3634475.9,   145.8,   352.4,   0.0);
     (504972.0, 3634475.9,   148.7,   338.7,   0.0);   (505022.0,
3634475.9,   149.7,   338.7,   0.0);
     (505072.0, 3634475.9,   148.4,   352.4,   0.0);   (505122.0,
3634475.9,   150.3,   338.7,   0.0);
     (505172.0, 3634475.9,   153.7,   338.7,   0.0);   (505222.0,
3634475.9,   156.8,   338.7,   0.0);
     (502222.0, 3634525.9,   104.7,   104.7,   0.0);   (502272.0,
3634525.9,   104.9,   104.9,   0.0);
     (502322.0, 3634525.9,   105.1,   105.1,   0.0);   (502372.0,
3634525.9,   105.4,   105.4,   0.0);
     (502422.0, 3634525.9,   105.5,   105.5,   0.0);   (502472.0,

3634525.9,   105.7,   105.7,   0.0);
     (502522.0, 3634525.9,   105.7,   105.7,   0.0);   (502572.0,
3634525.9,   105.9,   105.9,   0.0);
     (502622.0, 3634525.9,   106.1,   106.1,   0.0);   (502672.0,
3634525.9,   106.8,   106.8,   0.0);
     (504772.0, 3634525.9,   165.2,   337.0,   0.0);   (504822.0,
3634525.9,   167.5,   336.5,   0.0);
     (504872.0, 3634525.9,   156.3,   338.7,   0.0);   (504922.0,
3634525.9,   140.9,   352.4,   0.0);
     (504972.0, 3634525.9,   137.0,   362.2,   0.0);   (505022.0,
3634525.9,   139.1,   362.2,   0.0);
     (505072.0, 3634525.9,   141.1,   360.8,   0.0);   (505122.0,
3634525.9,   145.5,   338.7,   0.0);
     (505172.0, 3634525.9,   150.7,   338.7,   0.0);   (505222.0,
3634525.9,   155.8,   338.7,   0.0);
     (502222.0, 3634575.9,   105.8,   105.8,   0.0);   (502272.0,
3634575.9,   104.9,   104.9,   0.0);
     (502322.0, 3634575.9,   104.9,   104.9,   0.0);   (502372.0,
3634575.9,   105.2,   105.2,   0.0);
     (502422.0, 3634575.9,   105.4,   105.4,   0.0);   (502472.0,
3634575.9,   105.7,   105.7,   0.0);
     (502522.0, 3634575.9,   105.8,   105.8,   0.0);   (502572.0,
3634575.9,   106.0,   106.0,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                 (METERS)

     (502622.0, 3634575.9,   106.2,   106.2,   0.0);   (502672.0,
3634575.9,   106.8,   106.8,   0.0);
     (504772.0, 3634575.9,   145.8,   338.7,   0.0);   (504822.0,
3634575.9,   148.3,   338.7,   0.0);
     (504872.0, 3634575.9,   140.8,   338.7,   0.0);   (504922.0,
3634575.9,   130.9,   362.2,   0.0);
     (504972.0, 3634575.9,   131.7,   362.2,   0.0);   (505022.0,
3634575.9,   136.8,   360.8,   0.0);
     (505072.0, 3634575.9,   140.4,   338.7,   0.0);   (505122.0,
3634575.9,   144.1,   338.7,   0.0);
     (505172.0, 3634575.9,   154.8,   338.7,   0.0);   (505222.0,
3634575.9,   159.5,   338.0,   0.0);
     (502222.0, 3634625.9,   106.1,   106.1,   0.0);   (502272.0,
3634625.9,   106.0,   106.0,   0.0);
     (502322.0, 3634625.9,   104.8,   104.8,   0.0);   (502372.0,

```
3634625.9,     105.0,     105.0,       0.0);
     ( 502422.0, 3634625.9,     105.1,     105.1,       0.0);         ( 502472.0,
3634625.9,     105.4,     105.4,       0.0);
     ( 502522.0, 3634625.9,     106.4,     106.4,       0.0);         ( 502572.0,
3634625.9,     106.5,     106.5,       0.0);
     ( 502622.0, 3634625.9,     106.7,     106.7,       0.0);         ( 502672.0,
3634625.9,     106.8,     106.8,       0.0);
     ( 504772.0, 3634625.9,     129.7,     338.7,       0.0);         ( 504822.0,
3634625.9,     125.4,     362.2,       0.0);
     ( 504872.0, 3634625.9,     125.5,     362.2,       0.0);         ( 504922.0,
3634625.9,     126.7,     362.2,       0.0);
     ( 504972.0, 3634625.9,     131.2,     357.4,       0.0);         ( 505022.0,
3634625.9,     136.7,     338.7,       0.0);
     ( 505072.0, 3634625.9,     142.4,     338.7,       0.0);         ( 505122.0,
3634625.9,     145.9,     338.7,       0.0);
     ( 505172.0, 3634625.9,     159.4,     337.0,       0.0);         ( 505222.0,
3634625.9,     165.4,     334.9,       0.0);
     ( 502222.0, 3634675.9,     105.5,     105.5,       0.0);         ( 502272.0,
3634675.9,     106.5,     106.5,       0.0);
     ( 502322.0, 3634675.9,     106.9,     106.9,       0.0);         ( 502372.0,
3634675.9,     106.7,     106.7,       0.0);
     ( 502422.0, 3634675.9,     106.9,     106.9,       0.0);         ( 502472.0,
3634675.9,     107.1,     107.1,       0.0);
     ( 502522.0, 3634675.9,     107.1,     107.1,       0.0);         ( 502572.0,
3634675.9,     107.4,     107.4,       0.0);
     ( 502622.0, 3634675.9,     107.6,     107.6,       0.0);         ( 502672.0,
3634675.9,     107.2,     107.2,       0.0);
     ( 504772.0, 3634675.9,     115.8,     363.3,       0.0);         ( 504822.0,
3634675.9,     116.0,     363.3,       0.0);
     ( 504872.0, 3634675.9,     125.3,     352.4,       0.0);         ( 504922.0,
3634675.9,     126.0,     352.4,       0.0);
     ( 504972.0, 3634675.9,     128.3,     338.7,       0.0);         ( 505022.0,
3634675.9,     136.4,     338.7,       0.0);
     ( 505072.0, 3634675.9,     145.4,     338.7,       0.0);         ( 505122.0,
3634675.9,     148.4,     338.0,       0.0);
     ( 505172.0, 3634675.9,     158.6,     336.0,       0.0);         ( 505222.0,
3634675.9,     166.0,     179.8,       0.0);
     ( 502222.0, 3634725.9,     105.5,     105.5,       0.0);         ( 502272.0,
3634725.9,     106.2,     106.2,       0.0);
     ( 502322.0, 3634725.9,     105.6,     105.6,       0.0);         ( 502372.0,
3634725.9,     105.7,     105.7,       0.0);
     ( 502422.0, 3634725.9,     106.9,     106.9,       0.0);         ( 502472.0,
3634725.9,     107.3,     107.3,       0.0);
     ( 502522.0, 3634725.9,     107.1,     107.1,       0.0);         ( 502572.0,
3634725.9,     107.6,     107.6,       0.0);
     ( 502622.0, 3634725.9,     107.7,     107.7,       0.0);         ( 502672.0,
3634725.9,     108.1,     108.1,       0.0);
     ( 504772.0, 3634725.9,     115.0,     362.2,       0.0);         ( 504822.0,
3634725.9,     116.9,     360.8,       0.0);
     ( 504872.0, 3634725.9,     120.8,     338.7,       0.0);         ( 504922.0,
```

3634725.9,   125.8,   338.7,   0.0);
     (504972.0, 3634725.9,   131.3,   338.7,   0.0);   (505022.0,
3634725.9,   141.8,   338.0,   0.0);
     (505072.0, 3634725.9,   148.5,   337.0,   0.0);   (505122.0,
3634725.9,   152.9,   336.0,   0.0);
     (505172.0, 3634725.9,   164.6,   184.7,   0.0);   (505222.0,
3634725.9,   168.1,   180.8,   0.0);
     (502222.0, 3634775.9,   106.8,   106.8,   0.0);   (502272.0,
3634775.9,   107.6,   107.6,   0.0);
     (502322.0, 3634775.9,   105.8,   105.8,   0.0);   (502372.0,
3634775.9,   105.5,   105.5,   0.0);
     (502422.0, 3634775.9,   105.5,   105.5,   0.0);   (502472.0,
3634775.9,   106.0,   106.0,   0.0);
     (502522.0, 3634775.9,   107.7,   107.7,   0.0);   (502572.0,
3634775.9,   107.6,   107.6,   0.0);
     (502622.0, 3634775.9,   107.8,   107.8,   0.0);   (502672.0,
3634775.9,   108.2,   108.2,   0.0);
     (504772.0, 3634775.9,   114.1,   338.7,   0.0);   (504822.0,
3634775.9,   116.1,   338.7,   0.0);
     (504872.0, 3634775.9,   120.4,   338.7,   0.0);   (504922.0,
3634775.9,   127.9,   338.7,   0.0);
     (504972.0, 3634775.9,   139.7,   337.8,   0.0);   (505022.0,
3634775.9,   149.8,   336.0,   0.0);
     (505072.0, 3634775.9,   152.1,   334.9,   0.0);   (505122.0,
3634775.9,   155.0,   185.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (505172.0, 3634775.9,   168.2,   184.7,   0.0);   (505222.0,
3634775.9,   174.5,   180.8,   0.0);
     (502222.0, 3634825.9,   107.7,   107.7,   0.0);   (502272.0,
3634825.9,   108.1,   108.1,   0.0);
     (502322.0, 3634825.9,   107.6,   107.6,   0.0);   (502372.0,
3634825.9,   107.5,   107.5,   0.0);
     (502422.0, 3634825.9,   106.7,   106.7,   0.0);   (502472.0,
3634825.9,   105.8,   105.8,   0.0);
     (502522.0, 3634825.9,   107.8,   107.8,   0.0);   (502572.0,
3634825.9,   108.3,   108.3,   0.0);
     (502622.0, 3634825.9,   108.4,   108.4,   0.0);   (502672.0,
3634825.9,   108.3,   108.3,   0.0);
     (504772.0, 3634825.9,   113.3,   338.7,   0.0);   (504822.0,

3634825.9,   118.4,   338.7,   0.0);
     (504872.0, 3634825.9,   123.4,   338.7,   0.0);   (504922.0,
3634825.9,   133.0,   338.0,   0.0);
     (504972.0, 3634825.9,   149.8,   207.6,   0.0);   (505022.0,
3634825.9,   164.2,   185.3,   0.0);
     (505072.0, 3634825.9,   163.4,   185.3,   0.0);   (505122.0,
3634825.9,   163.4,   185.3,   0.0);
     (505172.0, 3634825.9,   174.0,   182.6,   0.0);   (505222.0,
3634825.9,   179.5,   179.5,   0.0);
     (502222.0, 3634875.9,   109.9,   109.9,   0.0);   (502272.0,
3634875.9,   108.1,   108.1,   0.0);
     (502322.0, 3634875.9,   107.9,   107.9,   0.0);   (502372.0,
3634875.9,   108.1,   108.1,   0.0);
     (502422.0, 3634875.9,   108.1,   108.1,   0.0);   (502472.0,
3634875.9,   108.1,   108.1,   0.0);
     (502522.0, 3634875.9,   108.1,   108.1,   0.0);   (502572.0,
3634875.9,   108.2,   108.2,   0.0);
     (502622.0, 3634875.9,   108.5,   108.5,   0.0);   (502672.0,
3634875.9,   108.7,   108.7,   0.0);
     (504772.0, 3634875.9,   113.1,   338.7,   0.0);   (504822.0,
3634875.9,   114.6,   338.7,   0.0);
     (504872.0, 3634875.9,   122.4,   338.7,   0.0);   (504922.0,
3634875.9,   135.8,   336.4,   0.0);
     (504972.0, 3634875.9,   153.6,   185.3,   0.0);   (505022.0,
3634875.9,   169.7,   185.3,   0.0);
     (505072.0, 3634875.9,   179.6,   185.3,   0.0);   (505122.0,
3634875.9,   175.3,   185.3,   0.0);
     (505172.0, 3634875.9,   179.8,   182.6,   0.0);   (505222.0,
3634875.9,   180.2,   182.3,   0.0);
     (502222.0, 3634925.9,   110.2,   110.2,   0.0);   (502272.0,
3634925.9,   108.4,   108.4,   0.0);
     (502322.0, 3634925.9,   108.4,   108.4,   0.0);   (502372.0,
3634925.9,   108.4,   108.4,   0.0);
     (502422.0, 3634925.9,   108.5,   108.5,   0.0);   (502472.0,
3634925.9,   108.0,   108.0,   0.0);
     (502522.0, 3634925.9,   108.3,   108.3,   0.0);   (502572.0,
3634925.9,   108.4,   108.4,   0.0);
     (502622.0, 3634925.9,   108.3,   108.3,   0.0);   (502672.0,
3634925.9,   108.8,   108.8,   0.0);
     (504772.0, 3634925.9,   113.0,   338.7,   0.0);   (504822.0,
3634925.9,   115.0,   338.7,   0.0);
     (504872.0, 3634925.9,   120.1,   338.0,   0.0);   (504922.0,
3634925.9,   132.9,   336.0,   0.0);
     (504972.0, 3634925.9,   149.2,   185.3,   0.0);   (505022.0,
3634925.9,   169.0,   185.3,   0.0);
     (505072.0, 3634925.9,   182.4,   185.3,   0.0);   (505122.0,
3634925.9,   179.4,   185.3,   0.0);
     (505172.0, 3634925.9,   181.2,   182.7,   0.0);   (505222.0,
3634925.9,   179.4,   183.0,   0.0);
     (502222.0, 3634975.9,   110.6,   110.6,   0.0);   (502272.0,

3634975.9,   109.0,   109.0,   0.0);
     (502322.0, 3634975.9,   108.3,   108.3,   0.0);   (502372.0,
3634975.9,   108.4,   108.4,   0.0);
     (502422.0, 3634975.9,   108.4,   108.4,   0.0);   (502472.0,
3634975.9,   108.2,   108.2,   0.0);
     (502522.0, 3634975.9,   108.5,   108.5,   0.0);   (502572.0,
3634975.9,   108.3,   108.3,   0.0);
     (502622.0, 3634975.9,   108.4,   108.4,   0.0);   (502672.0,
3634975.9,   108.6,   108.6,   0.0);
     (504822.0, 3634975.9,   114.8,   338.0,   0.0);   (504872.0,
3634975.9,   117.9,   337.8,   0.0);
     (504922.0, 3634975.9,   126.2,   336.4,   0.0);   (504972.0,
3634975.9,   146.6,   185.3,   0.0);
     (505022.0, 3634975.9,   162.4,   185.3,   0.0);   (505072.0,
3634975.9,   173.9,   185.3,   0.0);
     (505122.0, 3634975.9,   167.4,   185.3,   0.0);   (505172.0,
3634975.9,   168.6,   185.3,   0.0);
     (505222.0, 3634975.9,   171.3,   183.0,   0.0);   (502222.0,
3635025.9,   110.9,   110.9,   0.0);
     (502272.0, 3635025.9,   109.2,   109.2,   0.0);   (502322.0,
3635025.9,   108.9,   108.9,   0.0);
     (502372.0, 3635025.9,   108.6,   108.6,   0.0);   (502422.0,
3635025.9,   108.9,   108.9,   0.0);
     (502472.0, 3635025.9,   108.9,   108.9,   0.0);   (502522.0,
3635025.9,   109.0,   109.0,   0.0);
     (502572.0, 3635025.9,   108.9,   108.9,   0.0);   (502622.0,
3635025.9,   108.9,   108.9,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                         (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     (502672.0, 3635025.9,   108.6,   108.6,   0.0);   (504872.0,
3635025.9,   117.0,   337.0,   0.0);
     (504922.0, 3635025.9,   124.8,   334.9,   0.0);   (504972.0,
3635025.9,   140.0,   185.3,   0.0);
     (505022.0, 3635025.9,   156.2,   185.3,   0.0);   (505072.0,
3635025.9,   162.3,   185.3,   0.0);
     (505122.0, 3635025.9,   155.5,   185.3,   0.0);   (505172.0,
3635025.9,   155.4,   185.3,   0.0);
     (505222.0, 3635025.9,   159.6,   185.3,   0.0);   (502222.0,
3635075.9,   110.2,   110.2,   0.0);
     (502272.0, 3635075.9,   109.1,   109.1,   0.0);   (502322.0,

3635075.9,   110.0,   110.0,   0.0);
     (502372.0, 3635075.9,   109.6,   109.6,   0.0);   (502422.0,
3635075.9,   110.0,   110.0,   0.0);
     (502472.0, 3635075.9,   110.1,   110.1,   0.0);   (502522.0,
3635075.9,   110.0,   110.0,   0.0);
     (502572.0, 3635075.9,   109.6,   109.6,   0.0);   (502622.0,
3635075.9,   109.1,   109.1,   0.0);
     (502672.0, 3635075.9,   109.1,   109.1,   0.0);   (504922.0,
3635075.9,   119.5,   336.0,   0.0);
     (504972.0, 3635075.9,   127.5,   207.6,   0.0);   (505022.0,
3635075.9,   145.5,   185.3,   0.0);
     (505072.0, 3635075.9,   147.2,   185.3,   0.0);   (505122.0,
3635075.9,   143.2,   185.3,   0.0);
     (505172.0, 3635075.9,   139.0,   185.3,   0.0);   (505222.0,
3635075.9,   142.9,   185.3,   0.0);
     (502222.0, 3635125.9,   110.9,   110.9,   0.0);   (502272.0,
3635125.9,   109.3,   109.3,   0.0);
     (502322.0, 3635125.9,   110.4,   110.4,   0.0);   (502372.0,
3635125.9,   110.4,   110.4,   0.0);
     (502422.0, 3635125.9,   110.6,   110.6,   0.0);   (502472.0,
3635125.9,   111.0,   111.0,   0.0);
     (502522.0, 3635125.9,   110.6,   110.6,   0.0);   (502572.0,
3635125.9,   110.1,   110.1,   0.0);
     (502622.0, 3635125.9,   109.8,   333.1,   0.0);   (502672.0,
3635125.9,   109.4,   333.1,   0.0);
     (505022.0, 3635125.9,   126.9,   185.3,   0.0);   (505072.0,
3635125.9,   130.6,   185.3,   0.0);
     (505122.0, 3635125.9,   126.7,   185.3,   0.0);   (505172.0,
3635125.9,   123.3,   185.3,   0.0);
     (505222.0, 3635125.9,   132.8,   185.3,   0.0);   (502222.0,
3635175.9,   111.7,   111.7,   0.0);
     (502272.0, 3635175.9,   110.1,   110.1,   0.0);   (502322.0,
3635175.9,   111.1,   111.1,   0.0);
     (502372.0, 3635175.9,   111.5,   111.5,   0.0);   (502422.0,
3635175.9,   111.7,   111.7,   0.0);
     (502472.0, 3635175.9,   111.8,   111.8,   0.0);   (502522.0,
3635175.9,   111.8,   111.8,   0.0);
     (502572.0, 3635175.9,   111.2,   333.1,   0.0);   (502622.0,
3635175.9,   110.4,   333.1,   0.0);
     (502672.0, 3635175.9,   110.3,   333.1,   0.0);   (505122.0,
3635175.9,   116.8,   279.6,   0.0);
     (505172.0, 3635175.9,   117.4,   279.6,   0.0);   (505222.0,
3635175.9,   120.7,   185.3,   0.0);
     (502222.0, 3635225.9,   112.1,   112.1,   0.0);   (502272.0,
3635225.9,   111.4,   111.4,   0.0);
     (502322.0, 3635225.9,   111.5,   111.5,   0.0);   (502372.0,
3635225.9,   111.7,   111.7,   0.0);
     (502422.0, 3635225.9,   111.9,   333.1,   0.0);   (502472.0,
3635225.9,   112.0,   333.1,   0.0);
     (502522.0, 3635225.9,   111.8,   333.1,   0.0);   (502572.0,

3635225.9,   111.5,   333.1,   0.0);
     (502622.0, 3635225.9,   111.3,   333.1,   0.0);   (502672.0,
3635225.9,   110.9,   333.1,   0.0);
     (502222.0, 3635275.9,   113.6,   255.1,   0.0);   (502272.0,
3635275.9,   111.9,   111.9,   0.0);
     (502322.0, 3635275.9,   112.8,   112.8,   0.0);   (502372.0,
3635275.9,   113.0,   333.1,   0.0);
     (502422.0, 3635275.9,   113.0,   333.1,   0.0);   (502472.0,
3635275.9,   113.0,   333.1,   0.0);
     (502522.0, 3635275.9,   113.6,   333.1,   0.0);   (502572.0,
3635275.9,   112.6,   333.1,   0.0);
     (502622.0, 3635275.9,   112.3,   333.1,   0.0);   (502672.0,
3635275.9,   112.1,   333.1,   0.0);
     (502222.0, 3635325.9,   114.4,   255.4,   0.0);   (502272.0,
3635325.9,   112.9,   333.1,   0.0);
     (502322.0, 3635325.9,   113.5,   333.1,   0.0);   (502372.0,
3635325.9,   114.0,   333.1,   0.0);
     (502422.0, 3635325.9,   114.3,   333.1,   0.0);   (502472.0,
3635325.9,   114.3,   333.1,   0.0);
     (502522.0, 3635325.9,   114.1,   333.1,   0.0);   (502572.0,
3635325.9,   113.4,   333.1,   0.0);
     (502622.0, 3635325.9,   113.2,   333.1,   0.0);   (502672.0,
3635325.9,   113.1,   333.1,   0.0);
     (502222.0, 3635375.9,   114.4,   333.1,   0.0);   (502272.0,
3635375.9,   113.6,   333.1,   0.0);
     (502322.0, 3635375.9,   114.2,   333.1,   0.0);   (502372.0,
3635375.9,   114.6,   333.1,   0.0);
     (502422.0, 3635375.9,   115.0,   333.1,   0.0);   (502472.0,
3635375.9,   115.3,   333.1,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (502522.0, 3635375.9,   114.3,   333.1,   0.0);   (502572.0,
3635375.9,   114.1,   333.1,   0.0);
     (502622.0, 3635375.9,   113.9,   333.1,   0.0);   (502672.0,
3635375.9,   113.7,   333.1,   0.0);
     (502222.0, 3635425.9,   115.6,   333.1,   0.0);   (502272.0,
3635425.9,   114.1,   333.1,   0.0);
     (502322.0, 3635425.9,   114.4,   333.1,   0.0);   (502372.0,
3635425.9,   114.7,   333.1,   0.0);
     (502422.0, 3635425.9,   115.0,   333.1,   0.0);   (502472.0,

3635425.9,   115.5,   333.1,   0.0);
     (502522.0, 3635425.9,   115.2,   333.1,   0.0);   (502572.0,
3635425.9,   114.8,   333.1,   0.0);
     (502622.0, 3635425.9,   114.6,   333.1,   0.0);   (502672.0,
3635425.9,   114.5,   333.1,   0.0);
     (504772.0, 3635425.9,   113.0,   279.6,   0.0);   (502222.0,
3635475.9,   115.5,   333.1,   0.0);
     (502272.0, 3635475.9,   115.0,   333.1,   0.0);   (502322.0,
3635475.9,   115.1,   333.1,   0.0);
     (502372.0, 3635475.9,   115.3,   333.1,   0.0);   (502422.0,
3635475.9,   115.6,   333.1,   0.0);
     (502472.0, 3635475.9,   116.8,   333.1,   0.0);   (502522.0,
3635475.9,   115.5,   333.1,   0.0);
     (502572.0, 3635475.9,   115.2,   333.1,   0.0);   (502622.0,
3635475.9,   115.0,   333.1,   0.0);
     (502672.0, 3635475.9,   115.8,   333.1,   0.0);   (504772.0,
3635475.9,   114.6,   279.6,   0.0);
     (504822.0, 3635475.9,   114.4,   279.6,   0.0);   (504872.0,
3635475.9,   114.8,   279.6,   0.0);
     (504922.0, 3635475.9,   114.7,   279.6,   0.0);   (502222.0,
3635525.9,   117.8,   333.1,   0.0);
     (502272.0, 3635525.9,   115.6,   333.1,   0.0);   (502322.0,
3635525.9,   115.7,   333.1,   0.0);
     (502372.0, 3635525.9,   115.5,   333.1,   0.0);   (502422.0,
3635525.9,   115.9,   333.1,   0.0);
     (502472.0, 3635525.9,   116.4,   333.1,   0.0);   (502522.0,
3635525.9,   116.0,   333.1,   0.0);
     (502572.0, 3635525.9,   116.0,   333.1,   0.0);   (502622.0,
3635525.9,   116.4,   333.1,   0.0);
     (502672.0, 3635525.9,   117.0,   333.1,   0.0);   (502722.0,
3635525.9,   117.4,   333.1,   0.0);
     (502772.0, 3635525.9,   117.3,   333.1,   0.0);   (502822.0,
3635525.9,   117.2,   333.1,   0.0);
     (502872.0, 3635525.9,   117.0,   333.1,   0.0);   (502922.0,
3635525.9,   116.9,   333.1,   0.0);
     (502972.0, 3635525.9,   116.9,   333.1,   0.0);   (503022.0,
3635525.9,   116.7,   333.1,   0.0);
     (503072.0, 3635525.9,   115.7,   333.1,   0.0);   (503122.0,
3635525.9,   113.4,   333.1,   0.0);
     (503172.0, 3635525.9,   113.3,   333.1,   0.0);   (503222.0,
3635525.9,   115.1,   333.1,   0.0);
     (503272.0, 3635525.9,   115.9,   333.1,   0.0);   (503322.0,
3635525.9,   116.1,   333.1,   0.0);
     (503372.0, 3635525.9,   116.4,   333.1,   0.0);   (503422.0,
3635525.9,   116.4,   333.1,   0.0);
     (503472.0, 3635525.9,   117.5,   333.1,   0.0);   (503522.0,
3635525.9,   118.0,   333.1,   0.0);
     (503572.0, 3635525.9,   116.5,   333.1,   0.0);   (503622.0,
3635525.9,   115.0,   333.1,   0.0);
     (503672.0, 3635525.9,   114.9,   333.1,   0.0);   (503722.0,

3635525.9,   115.4,   333.1,   0.0);
     (503772.0, 3635525.9,   116.1,   333.1,   0.0);   (503822.0,
3635525.9,   116.5,   333.1,   0.0);
     (503872.0, 3635525.9,   115.7,   333.1,   0.0);   (503922.0,
3635525.9,   116.3,   333.1,   0.0);
     (503972.0, 3635525.9,   116.6,   333.1,   0.0);   (504022.0,
3635525.9,   114.9,   333.1,   0.0);
     (504072.0, 3635525.9,   113.4,   333.1,   0.0);   (504122.0,
3635525.9,   113.0,   333.1,   0.0);
     (504172.0, 3635525.9,   113.2,   333.1,   0.0);   (504222.0,
3635525.9,   112.1,   333.1,   0.0);
     (504272.0, 3635525.9,   112.8,   333.1,   0.0);   (504322.0,
3635525.9,   112.8,   333.1,   0.0);
     (504372.0, 3635525.9,   112.6,   333.1,   0.0);   (504422.0,
3635525.9,   112.5,   333.1,   0.0);
     (504472.0, 3635525.9,   112.1,   333.1,   0.0);   (504522.0,
3635525.9,   112.2,   333.1,   0.0);
     (504572.0, 3635525.9,   113.2,   333.1,   0.0);   (504622.0,
3635525.9,   113.6,   333.1,   0.0);
     (504672.0, 3635525.9,   113.9,   333.1,   0.0);   (504722.0,
3635525.9,   114.7,   333.1,   0.0);
     (504772.0, 3635525.9,   114.7,   333.1,   0.0);   (504822.0,
3635525.9,   115.0,   279.6,   0.0);
     (504872.0, 3635525.9,   115.2,   279.6,   0.0);   (504922.0,
3635525.9,   114.5,   279.6,   0.0);
     (504972.0, 3635525.9,   115.0,   279.6,   0.0);   (505022.0,
3635525.9,   116.0,   279.6,   0.0);
     (505072.0, 3635525.9,   115.9,   279.6,   0.0);   (505122.0,
3635525.9,   115.6,   279.6,   0.0);
     (505172.0, 3635525.9,   115.2,   279.6,   0.0);   (505222.0,
3635525.9,   114.6,   279.6,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (502222.0, 3635575.9,   119.1,   333.1,   0.0);   (502272.0,
3635575.9,   116.4,   333.1,   0.0);
     (502322.0, 3635575.9,   115.9,   333.1,   0.0);   (502372.0,
3635575.9,   116.2,   333.1,   0.0);
     (502422.0, 3635575.9,   116.7,   333.1,   0.0);   (502472.0,
3635575.9,   116.6,   333.1,   0.0);
     (502522.0, 3635575.9,   116.2,   333.1,   0.0);   (502572.0,

3635575.9,   116.4,   333.1,   0.0);
     (502622.0, 3635575.9,   116.9,   333.1,   0.0);   (502672.0,
3635575.9,   117.6,   333.1,   0.0);
     (502722.0, 3635575.9,   117.9,   333.1,   0.0);   (502772.0,
3635575.9,   117.6,   333.1,   0.0);
     (502822.0, 3635575.9,   117.5,   333.1,   0.0);   (502872.0,
3635575.9,   117.5,   333.1,   0.0);
     (502922.0, 3635575.9,   117.4,   333.1,   0.0);   (502972.0,
3635575.9,   117.7,   333.1,   0.0);
     (503022.0, 3635575.9,   117.7,   333.1,   0.0);   (503072.0,
3635575.9,   116.2,   333.1,   0.0);
     (503122.0, 3635575.9,   113.4,   333.1,   0.0);   (503172.0,
3635575.9,   113.3,   333.1,   0.0);
     (503222.0, 3635575.9,   117.5,   333.1,   0.0);   (503272.0,
3635575.9,   118.4,   333.1,   0.0);
     (503322.0, 3635575.9,   118.4,   333.1,   0.0);   (503372.0,
3635575.9,   118.9,   333.1,   0.0);
     (503422.0, 3635575.9,   118.9,   333.1,   0.0);   (503472.0,
3635575.9,   120.2,   333.1,   0.0);
     (503522.0, 3635575.9,   120.5,   333.1,   0.0);   (503572.0,
3635575.9,   118.7,   333.1,   0.0);
     (503622.0, 3635575.9,   116.5,   333.1,   0.0);   (503672.0,
3635575.9,   116.1,   333.1,   0.0);
     (503722.0, 3635575.9,   116.1,   333.1,   0.0);   (503772.0,
3635575.9,   116.2,   333.1,   0.0);
     (503822.0, 3635575.9,   116.1,   333.1,   0.0);   (503872.0,
3635575.9,   116.2,   333.1,   0.0);
     (503922.0, 3635575.9,   116.3,   333.1,   0.0);   (503972.0,
3635575.9,   116.6,   333.1,   0.0);
     (504022.0, 3635575.9,   113.5,   333.1,   0.0);   (504072.0,
3635575.9,   113.2,   333.1,   0.0);
     (504122.0, 3635575.9,   113.3,   333.1,   0.0);   (504172.0,
3635575.9,   113.3,   333.1,   0.0);
     (504222.0, 3635575.9,   113.1,   333.1,   0.0);   (504272.0,
3635575.9,   112.3,   333.1,   0.0);
     (504322.0, 3635575.9,   112.6,   333.1,   0.0);   (504372.0,
3635575.9,   112.8,   333.1,   0.0);
     (504422.0, 3635575.9,   112.8,   333.1,   0.0);   (504472.0,
3635575.9,   112.3,   333.1,   0.0);
     (504522.0, 3635575.9,   112.6,   333.1,   0.0);   (504572.0,
3635575.9,   112.4,   333.1,   0.0);
     (504622.0, 3635575.9,   113.6,   333.1,   0.0);   (504672.0,
3635575.9,   113.8,   333.1,   0.0);
     (504722.0, 3635575.9,   114.1,   333.1,   0.0);   (504772.0,
3635575.9,   114.6,   333.1,   0.0);
     (504822.0, 3635575.9,   115.1,   333.1,   0.0);   (504872.0,
3635575.9,   114.9,   333.1,   0.0);
     (504922.0, 3635575.9,   114.2,   279.6,   0.0);   (504972.0,
3635575.9,   115.0,   279.6,   0.0);
     (505022.0, 3635575.9,   115.7,   279.6,   0.0);   (505072.0,

3635575.9,   116.0,   279.6,   0.0);
     (505122.0, 3635575.9,   117.9,   279.6,   0.0);   (505172.0,
3635575.9,   115.5,   279.6,   0.0);
     (505222.0, 3635575.9,   116.3,   279.6,   0.0);   (502222.0,
3635625.9,   120.8,   333.1,   0.0);
     (502272.0, 3635625.9,   118.3,   333.1,   0.0);   (502322.0,
3635625.9,   117.5,   333.1,   0.0);
     (502372.0, 3635625.9,   116.7,   333.1,   0.0);   (502422.0,
3635625.9,   118.4,   333.1,   0.0);
     (502472.0, 3635625.9,   118.7,   333.1,   0.0);   (502522.0,
3635625.9,   118.7,   333.1,   0.0);
     (502572.0, 3635625.9,   117.4,   333.1,   0.0);   (502622.0,
3635625.9,   117.0,   333.1,   0.0);
     (502672.0, 3635625.9,   117.8,   333.1,   0.0);   (502722.0,
3635625.9,   118.4,   333.1,   0.0);
     (502772.0, 3635625.9,   118.5,   333.1,   0.0);   (502822.0,
3635625.9,   118.8,   333.1,   0.0);
     (502872.0, 3635625.9,   119.2,   333.1,   0.0);   (502922.0,
3635625.9,   119.5,   333.1,   0.0);
     (502972.0, 3635625.9,   119.8,   333.1,   0.0);   (503022.0,
3635625.9,   120.2,   333.1,   0.0);
     (503072.0, 3635625.9,   120.3,   333.1,   0.0);   (503122.0,
3635625.9,   120.3,   333.1,   0.0);
     (503172.0, 3635625.9,   120.6,   333.1,   0.0);   (503222.0,
3635625.9,   121.3,   333.1,   0.0);
     (503272.0, 3635625.9,   121.1,   333.1,   0.0);   (503322.0,
3635625.9,   121.0,   333.1,   0.0);
     (503372.0, 3635625.9,   120.2,   333.1,   0.0);   (503422.0,
3635625.9,   120.2,   333.1,   0.0);
     (503472.0, 3635625.9,   122.9,   333.1,   0.0);   (503522.0,
3635625.9,   123.4,   333.1,   0.0);
     (503572.0, 3635625.9,   120.6,   333.1,   0.0);   (503622.0,
3635625.9,   118.5,   333.1,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (503672.0, 3635625.9,   118.0,   333.1,   0.0);   (503722.0,
3635625.9,   117.7,   333.1,   0.0);
     (503772.0, 3635625.9,   117.6,   333.1,   0.0);   (503822.0,
3635625.9,   117.1,   333.1,   0.0);
     (503872.0, 3635625.9,   115.8,   333.1,   0.0);   (503922.0,

```
3635625.9,     116.2,     333.1,       0.0);
     ( 503972.0, 3635625.9,     116.2,     333.1,       0.0);         ( 504022.0,
3635625.9,     114.0,     333.1,       0.0);
     ( 504072.0, 3635625.9,     113.4,     333.1,       0.0);         ( 504122.0,
3635625.9,     113.4,     333.1,       0.0);
     ( 504172.0, 3635625.9,     113.4,     333.1,       0.0);         ( 504222.0,
3635625.9,     113.7,     333.1,       0.0);
     ( 504272.0, 3635625.9,     113.5,     333.1,       0.0);         ( 504322.0,
3635625.9,     112.5,     333.1,       0.0);
     ( 504372.0, 3635625.9,     112.6,     333.1,       0.0);         ( 504422.0,
3635625.9,     113.0,     333.1,       0.0);
     ( 504472.0, 3635625.9,     112.8,     333.1,       0.0);         ( 504522.0,
3635625.9,     112.8,     333.1,       0.0);
     ( 504572.0, 3635625.9,     112.5,     333.1,       0.0);         ( 504622.0,
3635625.9,     113.0,     333.1,       0.0);
     ( 504672.0, 3635625.9,     113.2,     333.1,       0.0);         ( 504722.0,
3635625.9,     113.8,     333.1,       0.0);
     ( 504772.0, 3635625.9,     114.5,     333.1,       0.0);         ( 504822.0,
3635625.9,     114.9,     333.1,       0.0);
     ( 504872.0, 3635625.9,     114.8,     333.1,       0.0);         ( 504922.0,
3635625.9,     114.1,     333.1,       0.0);
     ( 504972.0, 3635625.9,     115.1,     279.6,       0.0);         ( 505022.0,
3635625.9,     114.2,     279.6,       0.0);
     ( 505072.0, 3635625.9,     114.2,     279.6,       0.0);         ( 505122.0,
3635625.9,     116.1,     279.6,       0.0);
     ( 505172.0, 3635625.9,     115.6,     279.6,       0.0);         ( 505222.0,
3635625.9,     115.3,     279.6,       0.0);
     ( 502222.0, 3635675.9,     122.8,     333.1,       0.0);         ( 502272.0,
3635675.9,     120.2,     333.1,       0.0);
     ( 502322.0, 3635675.9,     119.7,     333.1,       0.0);         ( 502372.0,
3635675.9,     119.0,     333.1,       0.0);
     ( 502422.0, 3635675.9,     119.5,     333.1,       0.0);         ( 502472.0,
3635675.9,     119.4,     333.1,       0.0);
     ( 502522.0, 3635675.9,     119.3,     333.1,       0.0);         ( 502572.0,
3635675.9,     118.5,     333.1,       0.0);
     ( 502622.0, 3635675.9,     118.1,     333.1,       0.0);         ( 502672.0,
3635675.9,     118.2,     333.1,       0.0);
     ( 502722.0, 3635675.9,     119.0,     333.1,       0.0);         ( 502772.0,
3635675.9,     120.4,     333.1,       0.0);
     ( 502822.0, 3635675.9,     120.7,     333.1,       0.0);         ( 502872.0,
3635675.9,     121.3,     333.1,       0.0);
     ( 502922.0, 3635675.9,     123.6,     333.1,       0.0);         ( 502972.0,
3635675.9,     123.2,     333.1,       0.0);
     ( 503022.0, 3635675.9,     124.6,     333.1,       0.0);         ( 503072.0,
3635675.9,     124.8,     333.1,       0.0);
     ( 503122.0, 3635675.9,     125.4,     333.1,       0.0);         ( 503172.0,
3635675.9,     125.8,     333.1,       0.0);
     ( 503222.0, 3635675.9,     124.7,     333.1,       0.0);         ( 503272.0,
3635675.9,     124.3,     333.1,       0.0);
     ( 503322.0, 3635675.9,     124.6,     333.1,       0.0);         ( 503372.0,
```

3635675.9,   124.2,   333.1,   0.0);
     (503422.0, 3635675.9,   123.1,   333.1,   0.0);   (503472.0,
3635675.9,   124.2,   333.1,   0.0);
     (503522.0, 3635675.9,   125.0,   333.1,   0.0);   (503572.0,
3635675.9,   122.0,   333.1,   0.0);
     (503622.0, 3635675.9,   119.9,   333.1,   0.0);   (503672.0,
3635675.9,   118.8,   333.1,   0.0);
     (503722.0, 3635675.9,   119.1,   333.1,   0.0);   (503772.0,
3635675.9,   119.0,   333.1,   0.0);
     (503822.0, 3635675.9,   118.0,   333.1,   0.0);   (503872.0,
3635675.9,   116.8,   333.1,   0.0);
     (503922.0, 3635675.9,   117.2,   333.1,   0.0);   (503972.0,
3635675.9,   116.7,   333.1,   0.0);
     (504022.0, 3635675.9,   114.6,   333.1,   0.0);   (504072.0,
3635675.9,   114.0,   333.1,   0.0);
     (504122.0, 3635675.9,   113.5,   333.1,   0.0);   (504172.0,
3635675.9,   113.5,   333.1,   0.0);
     (504222.0, 3635675.9,   113.5,   333.1,   0.0);   (504272.0,
3635675.9,   113.7,   333.1,   0.0);
     (504322.0, 3635675.9,   113.3,   333.1,   0.0);   (504372.0,
3635675.9,   112.6,   333.1,   0.0);
     (504422.0, 3635675.9,   112.6,   333.1,   0.0);   (504472.0,
3635675.9,   113.2,   333.1,   0.0);
     (504522.0, 3635675.9,   113.8,   333.1,   0.0);   (504572.0,
3635675.9,   113.0,   333.1,   0.0);
     (504622.0, 3635675.9,   113.8,   333.1,   0.0);   (504672.0,
3635675.9,   113.3,   333.1,   0.0);
     (504722.0, 3635675.9,   113.4,   333.1,   0.0);   (504772.0,
3635675.9,   115.6,   333.1,   0.0);
     (504822.0, 3635675.9,   114.8,   333.1,   0.0);   (504872.0,
3635675.9,   114.7,   333.1,   0.0);
     (504922.0, 3635675.9,   114.1,   333.1,   0.0);   (504972.0,
3635675.9,   115.1,   333.1,   0.0);
     (505022.0, 3635675.9,   114.9,   279.6,   0.0);   (505072.0,
3635675.9,   114.3,   279.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (505122.0, 3635675.9,   116.0,   279.6,   0.0);   (505172.0,
3635675.9,   116.0,   279.6,   0.0);
     (505222.0, 3635675.9,   115.5,   279.6,   0.0);   (502222.0,

3635725.9,   124.5,   333.1,   0.0);
     (502272.0, 3635725.9,   121.4,   333.1,   0.0);   (502322.0,
3635725.9,   120.3,   333.1,   0.0);
     (502372.0, 3635725.9,   119.3,   333.1,   0.0);   (502422.0,
3635725.9,   120.1,   333.1,   0.0);
     (502472.0, 3635725.9,   119.9,   333.1,   0.0);   (502522.0,
3635725.9,   120.2,   333.1,   0.0);
     (502572.0, 3635725.9,   118.9,   333.1,   0.0);   (502622.0,
3635725.9,   118.3,   333.1,   0.0);
     (502672.0, 3635725.9,   118.8,   333.1,   0.0);   (502722.0,
3635725.9,   119.5,   333.1,   0.0);
     (502772.0, 3635725.9,   120.8,   333.1,   0.0);   (502822.0,
3635725.9,   121.6,   333.1,   0.0);
     (502872.0, 3635725.9,   122.3,   333.1,   0.0);   (502922.0,
3635725.9,   126.0,   333.1,   0.0);
     (502972.0, 3635725.9,   126.6,   333.1,   0.0);   (503022.0,
3635725.9,   128.4,   333.1,   0.0);
     (503072.0, 3635725.9,   127.8,   333.1,   0.0);   (503122.0,
3635725.9,   128.8,   333.1,   0.0);
     (503172.0, 3635725.9,   128.9,   333.1,   0.0);   (503222.0,
3635725.9,   126.6,   333.1,   0.0);
     (503272.0, 3635725.9,   126.5,   333.1,   0.0);   (503322.0,
3635725.9,   126.9,   333.1,   0.0);
     (503372.0, 3635725.9,   126.8,   333.1,   0.0);   (503422.0,
3635725.9,   124.7,   333.1,   0.0);
     (503472.0, 3635725.9,   124.5,   333.1,   0.0);   (503522.0,
3635725.9,   124.8,   333.1,   0.0);
     (503572.0, 3635725.9,   122.0,   333.1,   0.0);   (503622.0,
3635725.9,   121.4,   333.1,   0.0);
     (503672.0, 3635725.9,   119.6,   333.1,   0.0);   (503722.0,
3635725.9,   120.0,   333.1,   0.0);
     (503772.0, 3635725.9,   119.7,   333.1,   0.0);   (503822.0,
3635725.9,   118.5,   333.1,   0.0);
     (503872.0, 3635725.9,   117.4,   333.1,   0.0);   (503922.0,
3635725.9,   117.6,   333.1,   0.0);
     (503972.0, 3635725.9,   117.3,   333.1,   0.0);   (504022.0,
3635725.9,   115.3,   333.1,   0.0);
     (504072.0, 3635725.9,   114.8,   333.1,   0.0);   (504122.0,
3635725.9,   114.1,   333.1,   0.0);
     (504172.0, 3635725.9,   114.0,   333.1,   0.0);   (504222.0,
3635725.9,   114.7,   333.1,   0.0);
     (504272.0, 3635725.9,   114.6,   333.1,   0.0);   (504322.0,
3635725.9,   113.7,   333.1,   0.0);
     (504372.0, 3635725.9,   113.5,   333.1,   0.0);   (504422.0,
3635725.9,   113.0,   333.1,   0.0);
     (504472.0, 3635725.9,   113.8,   333.1,   0.0);   (504522.0,
3635725.9,   114.2,   333.1,   0.0);
     (504572.0, 3635725.9,   113.7,   333.1,   0.0);   (504622.0,
3635725.9,   114.0,   333.1,   0.0);
     (504672.0, 3635725.9,   114.2,   333.1,   0.0);   (504722.0,

3635725.9,   113.6,   333.1,   0.0);
     (504772.0, 3635725.9,   113.6,   333.1,   0.0);   (504822.0,
3635725.9,   114.3,   333.1,   0.0);
     (504872.0, 3635725.9,   114.0,   333.1,   0.0);   (504922.0,
3635725.9,   114.1,   333.1,   0.0);
     (504972.0, 3635725.9,   115.1,   333.1,   0.0);   (505022.0,
3635725.9,   115.5,   279.6,   0.0);
     (505072.0, 3635725.9,   114.8,   279.6,   0.0);   (505122.0,
3635725.9,   116.0,   279.6,   0.0);
     (505172.0, 3635725.9,   116.0,   279.6,   0.0);   (505222.0,
3635725.9,   115.8,   279.6,   0.0);
     (502222.0, 3635775.9,   125.7,   333.1,   0.0);   (502272.0,
3635775.9,   122.0,   333.1,   0.0);
     (502322.0, 3635775.9,   121.1,   333.1,   0.0);   (502372.0,
3635775.9,   119.9,   333.1,   0.0);
     (502422.0, 3635775.9,   120.5,   333.1,   0.0);   (502472.0,
3635775.9,   120.5,   333.1,   0.0);
     (502522.0, 3635775.9,   120.7,   333.1,   0.0);   (502572.0,
3635775.9,   120.2,   333.1,   0.0);
     (502622.0, 3635775.9,   120.0,   333.1,   0.0);   (502672.0,
3635775.9,   120.2,   333.1,   0.0);
     (502722.0, 3635775.9,   119.8,   343.5,   0.0);   (502772.0,
3635775.9,   120.3,   343.5,   0.0);
     (502822.0, 3635775.9,   121.5,   333.1,   0.0);   (502872.0,
3635775.9,   123.0,   333.1,   0.0);
     (502922.0, 3635775.9,   126.9,   333.1,   0.0);   (502972.0,
3635775.9,   127.4,   333.1,   0.0);
     (503022.0, 3635775.9,   130.3,   333.1,   0.0);   (503072.0,
3635775.9,   130.2,   333.1,   0.0);
     (503122.0, 3635775.9,   130.4,   333.1,   0.0);   (503172.0,
3635775.9,   129.6,   333.1,   0.0);
     (503222.0, 3635775.9,   135.3,   333.1,   0.0);   (503272.0,
3635775.9,   137.7,   333.1,   0.0);
     (503322.0, 3635775.9,   135.5,   333.1,   0.0);   (503372.0,
3635775.9,   130.7,   333.1,   0.0);
     (503422.0, 3635775.9,   127.4,   333.1,   0.0);   (503472.0,
3635775.9,   126.5,   333.1,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (503522.0, 3635775.9,   128.5,   333.1,   0.0);   (503572.0,

3635775.9,   125.5,   333.1,   0.0);
     (503622.0, 3635775.9,   124.4,   333.1,   0.0);   (503672.0,
3635775.9,   121.6,   333.1,   0.0);
     (503722.0, 3635775.9,   120.1,   333.1,   0.0);   (503772.0,
3635775.9,   120.2,   333.1,   0.0);
     (503822.0, 3635775.9,   119.5,   333.1,   0.0);   (503872.0,
3635775.9,   119.4,   333.1,   0.0);
     (503922.0, 3635775.9,   120.4,   333.1,   0.0);   (503972.0,
3635775.9,   119.3,   333.1,   0.0);
     (504022.0, 3635775.9,   116.3,   333.1,   0.0);   (504072.0,
3635775.9,   116.8,   333.1,   0.0);
     (504122.0, 3635775.9,   115.6,   333.1,   0.0);   (504172.0,
3635775.9,   115.4,   333.1,   0.0);
     (504222.0, 3635775.9,   115.7,   333.1,   0.0);   (504272.0,
3635775.9,   115.7,   333.1,   0.0);
     (504322.0, 3635775.9,   114.7,   333.1,   0.0);   (504372.0,
3635775.9,   114.1,   333.1,   0.0);
     (504422.0, 3635775.9,   113.7,   333.1,   0.0);   (504472.0,
3635775.9,   114.3,   333.1,   0.0);
     (504522.0, 3635775.9,   114.5,   333.1,   0.0);   (504572.0,
3635775.9,   114.0,   333.1,   0.0);
     (504622.0, 3635775.9,   114.3,   333.1,   0.0);   (504672.0,
3635775.9,   114.1,   333.1,   0.0);
     (504722.0, 3635775.9,   113.8,   333.1,   0.0);   (504772.0,
3635775.9,   113.9,   333.1,   0.0);
     (504822.0, 3635775.9,   114.0,   333.1,   0.0);   (504872.0,
3635775.9,   114.0,   333.1,   0.0);
     (504922.0, 3635775.9,   114.1,   333.1,   0.0);   (504972.0,
3635775.9,   115.2,   333.1,   0.0);
     (505022.0, 3635775.9,   115.5,   333.1,   0.0);   (505072.0,
3635775.9,   114.9,   279.6,   0.0);
     (505122.0, 3635775.9,   115.5,   279.6,   0.0);   (505172.0,
3635775.9,   115.8,   279.6,   0.0);
     (505222.0, 3635775.9,   116.0,   279.6,   0.0);   (502222.0,
3635825.9,   126.7,   333.1,   0.0);
     (502272.0, 3635825.9,   122.6,   333.1,   0.0);   (502322.0,
3635825.9,   121.6,   333.1,   0.0);
     (502372.0, 3635825.9,   120.3,   333.1,   0.0);   (502422.0,
3635825.9,   121.1,   340.7,   0.0);
     (502472.0, 3635825.9,   120.9,   343.5,   0.0);   (502522.0,
3635825.9,   121.2,   343.5,   0.0);
     (502572.0, 3635825.9,   120.7,   352.4,   0.0);   (502622.0,
3635825.9,   120.5,   352.4,   0.0);
     (502672.0, 3635825.9,   120.6,   352.4,   0.0);   (502722.0,
3635825.9,   120.9,   352.4,   0.0);
     (502772.0, 3635825.9,   120.9,   352.4,   0.0);   (502822.0,
3635825.9,   122.0,   352.4,   0.0);
     (502872.0, 3635825.9,   123.5,   352.4,   0.0);   (502922.0,
3635825.9,   127.6,   333.1,   0.0);
     (502972.0, 3635825.9,   127.8,   333.1,   0.0);   (503022.0,

3635825.9,   132.4,   333.1,   0.0);
     (503072.0, 3635825.9,   133.6,   333.1,   0.0);   (503122.0,
3635825.9,   133.0,   333.1,   0.0);
     (503172.0, 3635825.9,   131.9,   333.1,   0.0);   (503222.0,
3635825.9,   138.8,   333.1,   0.0);
     (503272.0, 3635825.9,   139.4,   333.1,   0.0);   (503322.0,
3635825.9,   137.4,   333.1,   0.0);
     (503372.0, 3635825.9,   131.7,   333.1,   0.0);   (503422.0,
3635825.9,   129.7,   333.1,   0.0);
     (503472.0, 3635825.9,   128.2,   333.1,   0.0);   (503522.0,
3635825.9,   135.7,   333.1,   0.0);
     (503572.0, 3635825.9,   134.0,   333.1,   0.0);   (503622.0,
3635825.9,   129.7,   333.1,   0.0);
     (503672.0, 3635825.9,   124.4,   333.1,   0.0);   (503722.0,
3635825.9,   122.2,   333.1,   0.0);
     (503772.0, 3635825.9,   120.7,   333.1,   0.0);   (503822.0,
3635825.9,   120.6,   333.1,   0.0);
     (503872.0, 3635825.9,   120.4,   333.1,   0.0);   (503922.0,
3635825.9,   120.7,   333.1,   0.0);
     (503972.0, 3635825.9,   120.8,   333.1,   0.0);   (504022.0,
3635825.9,   117.5,   333.1,   0.0);
     (504072.0, 3635825.9,   119.2,   333.1,   0.0);   (504122.0,
3635825.9,   118.7,   333.1,   0.0);
     (504172.0, 3635825.9,   117.0,   333.1,   0.0);   (504222.0,
3635825.9,   116.9,   333.1,   0.0);
     (504272.0, 3635825.9,   117.5,   333.1,   0.0);   (504322.0,
3635825.9,   116.3,   333.1,   0.0);
     (504372.0, 3635825.9,   115.2,   333.1,   0.0);   (504422.0,
3635825.9,   114.7,   333.1,   0.0);
     (504472.0, 3635825.9,   114.9,   333.1,   0.0);   (504522.0,
3635825.9,   115.3,   333.1,   0.0);
     (504572.0, 3635825.9,   114.6,   333.1,   0.0);   (504622.0,
3635825.9,   114.6,   333.1,   0.0);
     (504672.0, 3635825.9,   114.3,   333.1,   0.0);   (504722.0,
3635825.9,   113.7,   333.1,   0.0);
     (504772.0, 3635825.9,   113.8,   333.1,   0.0);   (504822.0,
3635825.9,   114.2,   333.1,   0.0);
     (504872.0, 3635825.9,   114.4,   333.1,   0.0);   (504922.0,
3635825.9,   114.3,   333.1,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                           (METERS)

```
     ( 504972.0, 3635825.9,     114.8,     333.1,       0.0);         ( 505022.0,
3635825.9,     115.1,     333.1,       0.0);
     ( 505072.0, 3635825.9,     115.4,     333.1,       0.0);         ( 505122.0,
3635825.9,     115.3,     279.6,       0.0);
     ( 505172.0, 3635825.9,     115.8,     279.6,       0.0);         ( 505222.0,
3635825.9,     116.0,     279.6,       0.0);
     ( 502222.0, 3635875.9,     127.4,     333.1,       0.0);         ( 502272.0,
3635875.9,     123.0,     333.1,       0.0);
     ( 502322.0, 3635875.9,     121.6,     343.5,       0.0);         ( 502372.0,
3635875.9,     120.8,     352.4,       0.0);
     ( 502422.0, 3635875.9,     121.5,     352.4,       0.0);         ( 502472.0,
3635875.9,     121.4,     352.4,       0.0);
     ( 502522.0, 3635875.9,     122.0,     352.4,       0.0);         ( 502572.0,
3635875.9,     121.5,     352.4,       0.0);
     ( 502622.0, 3635875.9,     122.1,     352.4,       0.0);         ( 502672.0,
3635875.9,     122.1,     352.4,       0.0);
     ( 502722.0, 3635875.9,     121.9,     352.4,       0.0);         ( 502772.0,
3635875.9,     121.9,     363.2,       0.0);
     ( 502822.0, 3635875.9,     123.1,     363.2,       0.0);         ( 502872.0,
3635875.9,     124.4,     352.4,       0.0);
     ( 502922.0, 3635875.9,     129.9,     352.4,       0.0);         ( 502972.0,
3635875.9,     129.7,     352.4,       0.0);
     ( 503022.0, 3635875.9,     134.1,     333.1,       0.0);         ( 503072.0,
3635875.9,     135.1,     333.1,       0.0);
     ( 503122.0, 3635875.9,     134.8,     333.1,       0.0);         ( 503172.0,
3635875.9,     133.6,     333.1,       0.0);
     ( 503222.0, 3635875.9,     135.5,     333.1,       0.0);         ( 503272.0,
3635875.9,     137.8,     333.1,       0.0);
     ( 503322.0, 3635875.9,     133.9,     333.1,       0.0);         ( 503372.0,
3635875.9,     133.1,     333.1,       0.0);
     ( 503422.0, 3635875.9,     131.0,     333.1,       0.0);         ( 503472.0,
3635875.9,     131.5,     333.1,       0.0);
     ( 503522.0, 3635875.9,     143.4,     333.1,       0.0);         ( 503572.0,
3635875.9,     135.4,     333.1,       0.0);
     ( 503622.0, 3635875.9,     129.4,     333.1,       0.0);         ( 503672.0,
3635875.9,     124.3,     333.1,       0.0);
     ( 503722.0, 3635875.9,     122.6,     333.1,       0.0);         ( 503772.0,
3635875.9,     121.6,     333.1,       0.0);
     ( 503822.0, 3635875.9,     121.7,     333.1,       0.0);         ( 503872.0,
3635875.9,     122.5,     333.1,       0.0);
     ( 503922.0, 3635875.9,     121.9,     333.1,       0.0);         ( 503972.0,
3635875.9,     121.4,     333.1,       0.0);
     ( 504022.0, 3635875.9,     119.3,     333.1,       0.0);         ( 504072.0,
3635875.9,     120.6,     333.1,       0.0);
     ( 504122.0, 3635875.9,     120.0,     333.1,       0.0);         ( 504172.0,
3635875.9,     119.0,     333.1,       0.0);
     ( 504222.0, 3635875.9,     119.5,     333.1,       0.0);         ( 504272.0,
3635875.9,     119.6,     333.1,       0.0);
     ( 504322.0, 3635875.9,     118.2,     333.1,       0.0);         ( 504372.0,
```

3635875.9,   117.2,   333.1,   0.0);
     (504422.0, 3635875.9,   116.9,   333.1,   0.0);   (504472.0,
3635875.9,   115.8,   333.1,   0.0);
     (504522.0, 3635875.9,   115.6,   333.1,   0.0);   (504572.0,
3635875.9,   115.3,   333.1,   0.0);
     (504622.0, 3635875.9,   115.1,   333.1,   0.0);   (504672.0,
3635875.9,   114.8,   333.1,   0.0);
     (504722.0, 3635875.9,   113.8,   333.1,   0.0);   (504772.0,
3635875.9,   113.9,   333.1,   0.0);
     (504822.0, 3635875.9,   114.3,   333.1,   0.0);   (504872.0,
3635875.9,   114.3,   333.1,   0.0);
     (504922.0, 3635875.9,   114.4,   333.1,   0.0);   (504972.0,
3635875.9,   115.1,   333.1,   0.0);
     (505022.0, 3635875.9,   114.9,   333.1,   0.0);   (505072.0,
3635875.9,   114.8,   333.1,   0.0);
     (505122.0, 3635875.9,   115.3,   333.1,   0.0);   (505172.0,
3635875.9,   115.6,   279.6,   0.0);
     (505222.0, 3635875.9,   116.0,   279.6,   0.0);   (502222.0,
3635925.9,   128.5,   333.1,   0.0);
     (502272.0, 3635925.9,   123.7,   352.4,   0.0);   (502322.0,
3635925.9,   122.6,   352.4,   0.0);
     (502372.0, 3635925.9,   121.2,   352.4,   0.0);   (502422.0,
3635925.9,   121.9,   352.4,   0.0);
     (502472.0, 3635925.9,   121.9,   352.4,   0.0);   (502522.0,
3635925.9,   123.0,   352.4,   0.0);
     (502572.0, 3635925.9,   122.8,   363.2,   0.0);   (502622.0,
3635925.9,   123.1,   363.2,   0.0);
     (502672.0, 3635925.9,   123.1,   363.2,   0.0);   (502722.0,
3635925.9,   123.0,   363.2,   0.0);
     (502772.0, 3635925.9,   122.8,   363.2,   0.0);   (502822.0,
3635925.9,   124.4,   363.2,   0.0);
     (502872.0, 3635925.9,   125.4,   363.2,   0.0);   (502922.0,
3635925.9,   130.9,   352.4,   0.0);
     (502972.0, 3635925.9,   131.4,   352.4,   0.0);   (503022.0,
3635925.9,   135.2,   352.4,   0.0);
     (503072.0, 3635925.9,   136.5,   333.1,   0.0);   (503122.0,
3635925.9,   136.2,   333.1,   0.0);
     (503172.0, 3635925.9,   136.0,   333.1,   0.0);   (503222.0,
3635925.9,   136.9,   333.1,   0.0);
     (503272.0, 3635925.9,   136.5,   333.1,   0.0);   (503322.0,
3635925.9,   134.7,   333.1,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                                *** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(503372.0, 3635925.9, 133.2, 333.1, 0.0); (503422.0, 3635925.9, 132.4, 333.1, 0.0);
(503472.0, 3635925.9, 137.7, 333.1, 0.0); (503522.0, 3635925.9, 143.9, 333.1, 0.0);
(503572.0, 3635925.9, 137.4, 333.1, 0.0); (503622.0, 3635925.9, 127.9, 333.1, 0.0);
(503672.0, 3635925.9, 124.9, 363.2, 0.0); (503722.0, 3635925.9, 123.9, 363.2, 0.0);
(503772.0, 3635925.9, 123.6, 363.2, 0.0); (503822.0, 3635925.9, 123.0, 333.1, 0.0);
(503872.0, 3635925.9, 122.2, 333.1, 0.0); (503922.0, 3635925.9, 122.0, 333.1, 0.0);
(503972.0, 3635925.9, 122.0, 333.1, 0.0); (504022.0, 3635925.9, 120.8, 333.1, 0.0);
(504072.0, 3635925.9, 121.0, 333.1, 0.0); (504122.0, 3635925.9, 121.2, 333.1, 0.0);
(504172.0, 3635925.9, 121.5, 333.1, 0.0); (504222.0, 3635925.9, 122.4, 333.1, 0.0);
(504272.0, 3635925.9, 121.2, 333.1, 0.0); (504322.0, 3635925.9, 119.9, 333.1, 0.0);
(504372.0, 3635925.9, 119.7, 333.1, 0.0); (504422.0, 3635925.9, 119.5, 333.1, 0.0);
(504472.0, 3635925.9, 118.6, 333.1, 0.0); (504522.0, 3635925.9, 117.4, 333.1, 0.0);
(504572.0, 3635925.9, 116.2, 333.1, 0.0); (504622.0, 3635925.9, 115.1, 333.1, 0.0);
(504672.0, 3635925.9, 115.3, 333.1, 0.0); (504722.0, 3635925.9, 114.9, 333.1, 0.0);
(504772.0, 3635925.9, 114.5, 333.1, 0.0); (504822.0, 3635925.9, 114.0, 333.1, 0.0);
(504872.0, 3635925.9, 114.2, 333.1, 0.0); (504922.0, 3635925.9, 114.3, 333.1, 0.0);
(504972.0, 3635925.9, 115.3, 333.1, 0.0); (505022.0, 3635925.9, 115.7, 333.1, 0.0);
(505072.0, 3635925.9, 115.8, 333.1, 0.0); (505122.0, 3635925.9, 115.4, 333.1, 0.0);
(505172.0, 3635925.9, 115.5, 333.1, 0.0); (505222.0, 3635925.9, 116.8, 279.6, 0.0);
(502222.0, 3635975.9, 131.0, 333.1, 0.0); (502272.0, 3635975.9, 126.1, 352.4, 0.0);
(502322.0, 3635975.9, 124.4, 352.4, 0.0); (502372.0, 3635975.9, 122.2, 352.4, 0.0);
(502422.0, 3635975.9, 122.8, 363.2, 0.0); (502472.0, 3635975.9, 122.7, 363.2, 0.0);
(502522.0, 3635975.9, 123.6, 363.2, 0.0); (502572.0, 3635975.9, 122.8, 363.2, 0.0);
(502622.0, 3635975.9, 123.2, 363.2, 0.0); (502672.0,

3635975.9,   124.1,   363.2,   0.0);
     (502722.0, 3635975.9,   124.2,   363.2,   0.0);   (502772.0,
3635975.9,   124.4,   363.2,   0.0);
     (502822.0, 3635975.9,   126.2,   363.2,   0.0);   (502872.0,
3635975.9,   126.3,   363.2,   0.0);
     (502922.0, 3635975.9,   131.3,   363.2,   0.0);   (502972.0,
3635975.9,   131.7,   363.2,   0.0);
     (503022.0, 3635975.9,   135.7,   352.4,   0.0);   (503072.0,
3635975.9,   136.2,   352.4,   0.0);
     (503122.0, 3635975.9,   137.0,   352.4,   0.0);   (503172.0,
3635975.9,   137.0,   352.4,   0.0);
     (503222.0, 3635975.9,   137.1,   352.4,   0.0);   (503272.0,
3635975.9,   135.8,   363.2,   0.0);
     (503322.0, 3635975.9,   134.7,   363.2,   0.0);   (503372.0,
3635975.9,   132.0,   363.2,   0.0);
     (503422.0, 3635975.9,   137.3,   333.1,   0.0);   (503472.0,
3635975.9,   141.1,   333.1,   0.0);
     (503522.0, 3635975.9,   139.4,   333.1,   0.0);   (503572.0,
3635975.9,   131.4,   363.2,   0.0);
     (503622.0, 3635975.9,   127.6,   363.2,   0.0);   (503672.0,
3635975.9,   126.2,   363.2,   0.0);
     (503722.0, 3635975.9,   125.3,   363.2,   0.0);   (503772.0,
3635975.9,   124.8,   363.2,   0.0);
     (503822.0, 3635975.9,   123.9,   363.2,   0.0);   (503872.0,
3635975.9,   122.6,   363.2,   0.0);
     (503922.0, 3635975.9,   122.3,   363.2,   0.0);   (503972.0,
3635975.9,   122.2,   363.2,   0.0);
     (504022.0, 3635975.9,   122.4,   333.1,   0.0);   (504072.0,
3635975.9,   123.1,   333.1,   0.0);
     (504122.0, 3635975.9,   123.7,   333.1,   0.0);   (504172.0,
3635975.9,   124.6,   333.1,   0.0);
     (504222.0, 3635975.9,   124.9,   333.1,   0.0);   (504272.0,
3635975.9,   123.2,   333.1,   0.0);
     (504322.0, 3635975.9,   122.7,   333.1,   0.0);   (504372.0,
3635975.9,   123.0,   333.1,   0.0);
     (504422.0, 3635975.9,   122.6,   333.1,   0.0);   (504472.0,
3635975.9,   121.2,   333.1,   0.0);
     (504522.0, 3635975.9,   120.6,   333.1,   0.0);   (504572.0,
3635975.9,   119.7,   333.1,   0.0);
     (504622.0, 3635975.9,   119.5,   333.1,   0.0);   (504672.0,
3635975.9,   117.8,   333.1,   0.0);
     (504722.0, 3635975.9,   117.2,   333.1,   0.0);   (504772.0,
3635975.9,   116.2,   333.1,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(504822.0, 3635975.9, 115.2, 333.1, 0.0); (504872.0, 3635975.9, 114.7, 333.1, 0.0);
(504922.0, 3635975.9, 114.4, 333.1, 0.0); (504972.0, 3635975.9, 115.4, 333.1, 0.0);
(505022.0, 3635975.9, 115.7, 333.1, 0.0); (505072.0, 3635975.9, 115.9, 333.1, 0.0);
(505122.0, 3635975.9, 115.8, 333.1, 0.0); (505172.0, 3635975.9, 115.8, 333.1, 0.0);
(505222.0, 3635975.9, 115.6, 279.6, 0.0); (501722.0, 3632475.9, 108.2, 237.2, 0.0);
(501822.0, 3632475.9, 108.7, 237.2, 0.0); (501922.0, 3632475.9, 108.9, 108.9, 0.0);
(502022.0, 3632475.9, 109.4, 109.4, 0.0); (502122.0, 3632475.9, 110.3, 110.3, 0.0);
(502222.0, 3632475.9, 110.6, 110.6, 0.0); (502322.0, 3632475.9, 110.3, 110.3, 0.0);
(502422.0, 3632475.9, 110.6, 110.6, 0.0); (502522.0, 3632475.9, 110.8, 110.8, 0.0);
(502622.0, 3632475.9, 112.1, 169.3, 0.0); (502722.0, 3632475.9, 113.3, 318.9, 0.0);
(502822.0, 3632475.9, 113.9, 329.9, 0.0); (502922.0, 3632475.9, 114.8, 360.8, 0.0);
(503022.0, 3632475.9, 116.3, 363.3, 0.0); (503122.0, 3632475.9, 118.6, 363.3, 0.0);
(503222.0, 3632475.9, 118.2, 363.3, 0.0); (503322.0, 3632475.9, 122.4, 363.3, 0.0);
(503422.0, 3632475.9, 126.0, 363.3, 0.0); (503722.0, 3632475.9, 135.9, 363.3, 0.0);
(503822.0, 3632475.9, 148.0, 363.3, 0.0); (503922.0, 3632475.9, 161.9, 363.3, 0.0);
(504022.0, 3632475.9, 175.9, 363.3, 0.0); (504122.0, 3632475.9, 181.9, 363.3, 0.0);
(504222.0, 3632475.9, 198.4, 363.3, 0.0); (504322.0, 3632475.9, 208.4, 363.3, 0.0);
(504422.0, 3632475.9, 192.0, 363.3, 0.0); (504522.0, 3632475.9, 178.6, 363.3, 0.0);
(504622.0, 3632475.9, 208.7, 363.3, 0.0); (504722.0, 3632475.9, 225.0, 363.3, 0.0);
(504822.0, 3632475.9, 224.6, 363.3, 0.0); (504922.0, 3632475.9, 234.4, 363.3, 0.0);
(505022.0, 3632475.9, 257.8, 363.3, 0.0); (505122.0, 3632475.9, 256.1, 363.3, 0.0);
(505222.0, 3632475.9, 301.2, 363.3, 0.0); (505322.0, 3632475.9, 347.3, 360.8, 0.0);
(505422.0, 3632475.9, 324.4, 363.3, 0.0); (505522.0,

```
3632475.9,     295.4,     363.3,       0.0);
     ( 505622.0, 3632475.9,     263.4,     363.3,       0.0);         ( 505722.0,
3632475.9,     239.0,     363.3,       0.0);
     ( 501722.0, 3632575.9,     107.8,     237.2,       0.0);         ( 501822.0,
3632575.9,     108.2,     108.2,       0.0);
     ( 501922.0, 3632575.9,     108.6,     108.6,       0.0);         ( 502022.0,
3632575.9,     109.2,     109.2,       0.0);
     ( 502122.0, 3632575.9,     109.7,     109.7,       0.0);         ( 502222.0,
3632575.9,     109.3,     109.3,       0.0);
     ( 502322.0, 3632575.9,     109.7,     109.7,       0.0);         ( 502422.0,
3632575.9,     110.2,     110.2,       0.0);
     ( 502522.0, 3632575.9,     110.7,     169.3,       0.0);         ( 502622.0,
3632575.9,     111.2,     318.9,       0.0);
     ( 502722.0, 3632575.9,     112.8,     318.9,       0.0);         ( 502822.0,
3632575.9,     113.2,     329.9,       0.0);
     ( 502922.0, 3632575.9,     114.2,     360.8,       0.0);         ( 503022.0,
3632575.9,     115.8,     363.3,       0.0);
     ( 503122.0, 3632575.9,     117.0,     363.3,       0.0);         ( 503222.0,
3632575.9,     118.6,     363.3,       0.0);
     ( 503322.0, 3632575.9,     122.0,     363.3,       0.0);         ( 503422.0,
3632575.9,     127.0,     363.3,       0.0);
     ( 503722.0, 3632575.9,     141.5,     363.3,       0.0);         ( 503822.0,
3632575.9,     154.8,     363.3,       0.0);
     ( 503922.0, 3632575.9,     195.0,     363.3,       0.0);         ( 504022.0,
3632575.9,     215.2,     363.3,       0.0);
     ( 504122.0, 3632575.9,     223.7,     363.3,       0.0);         ( 504222.0,
3632575.9,     234.1,     363.3,       0.0);
     ( 504322.0, 3632575.9,     252.9,     360.8,       0.0);         ( 504422.0,
3632575.9,     234.2,     363.3,       0.0);
     ( 504522.0, 3632575.9,     199.5,     363.3,       0.0);         ( 504622.0,
3632575.9,     208.3,     363.3,       0.0);
     ( 504722.0, 3632575.9,     243.4,     363.3,       0.0);         ( 504822.0,
3632575.9,     237.9,     363.3,       0.0);
     ( 504922.0, 3632575.9,     255.4,     363.3,       0.0);         ( 505022.0,
3632575.9,     296.2,     363.3,       0.0);
     ( 505122.0, 3632575.9,     287.0,     363.3,       0.0);         ( 505222.0,
3632575.9,     306.9,     363.3,       0.0);
     ( 505322.0, 3632575.9,     316.0,     363.3,       0.0);         ( 505422.0,
3632575.9,     283.3,     363.3,       0.0);
     ( 505522.0, 3632575.9,     268.2,     363.3,       0.0);         ( 505622.0,
3632575.9,     249.1,     363.3,       0.0);
     ( 505722.0, 3632575.9,     239.4,     363.3,       0.0);         ( 501722.0,
3632675.9,     107.4,     107.4,       0.0);
     ( 501822.0, 3632675.9,     107.6,     107.6,       0.0);         ( 501922.0,
3632675.9,     108.1,     108.1,       0.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:32:02
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(502022.0, 3632675.9, 109.2, 109.2, 0.0); (502122.0, 3632675.9, 109.2, 109.2, 0.0);
(502222.0, 3632675.9, 108.7, 108.7, 0.0); (502322.0, 3632675.9, 109.3, 109.3, 0.0);
(502422.0, 3632675.9, 109.6, 115.6, 0.0); (502522.0, 3632675.9, 110.0, 169.3, 0.0);
(502622.0, 3632675.9, 111.0, 318.9, 0.0); (502722.0, 3632675.9, 111.9, 318.9, 0.0);
(502822.0, 3632675.9, 114.6, 329.9, 0.0); (502922.0, 3632675.9, 117.0, 337.5, 0.0);
(503022.0, 3632675.9, 118.7, 363.3, 0.0); (503722.0, 3632675.9, 143.0, 363.3, 0.0);
(503822.0, 3632675.9, 153.1, 363.3, 0.0); (503922.0, 3632675.9, 170.4, 363.3, 0.0);
(504022.0, 3632675.9, 199.7, 363.3, 0.0); (504122.0, 3632675.9, 225.6, 363.3, 0.0);
(504222.0, 3632675.9, 250.2, 337.2, 0.0); (504322.0, 3632675.9, 264.6, 329.9, 0.0);
(504422.0, 3632675.9, 248.6, 363.3, 0.0); (504522.0, 3632675.9, 232.3, 363.3, 0.0);
(504622.0, 3632675.9, 236.4, 363.3, 0.0); (504722.0, 3632675.9, 246.1, 363.3, 0.0);
(504822.0, 3632675.9, 248.2, 363.3, 0.0); (504922.0, 3632675.9, 271.6, 363.3, 0.0);
(505022.0, 3632675.9, 311.7, 360.8, 0.0); (505122.0, 3632675.9, 321.0, 360.8, 0.0);
(505222.0, 3632675.9, 321.0, 363.3, 0.0); (505322.0, 3632675.9, 319.6, 363.3, 0.0);
(505422.0, 3632675.9, 273.4, 363.3, 0.0); (505522.0, 3632675.9, 249.0, 363.3, 0.0);
(505622.0, 3632675.9, 242.1, 363.3, 0.0); (505722.0, 3632675.9, 254.2, 363.3, 0.0);
(502422.0, 3632775.9, 113.4, 116.0, 0.0); (502522.0, 3632775.9, 115.1, 169.3, 0.0);
(502622.0, 3632775.9, 114.5, 318.9, 0.0); (502722.0, 3632775.9, 111.5, 328.1, 0.0);
(502822.0, 3632775.9, 116.0, 329.9, 0.0); (502922.0, 3632775.9, 125.7, 329.9, 0.0);
(503022.0, 3632775.9, 135.0, 329.9, 0.0); (503122.0, 3632775.9, 128.8, 362.2, 0.0);
(503222.0, 3632775.9, 125.0, 363.3, 0.0); (503622.0, 3632775.9, 135.5, 363.3, 0.0);
(503722.0, 3632775.9, 142.0, 363.3, 0.0); (503822.0,

```
3632775.9,     159.5,     363.3,       0.0);
     ( 503922.0, 3632775.9,     166.0,     363.3,       0.0);         ( 504022.0,
3632775.9,     174.6,     363.3,       0.0);
     ( 504122.0, 3632775.9,     198.0,     363.3,       0.0);         ( 504222.0,
3632775.9,     229.9,     363.3,       0.0);
     ( 504322.0, 3632775.9,     259.5,     337.2,       0.0);         ( 504422.0,
3632775.9,     254.8,     362.2,       0.0);
     ( 504522.0, 3632775.9,     247.4,     363.3,       0.0);         ( 504622.0,
3632775.9,     251.2,     363.3,       0.0);
     ( 504722.0, 3632775.9,     254.4,     363.3,       0.0);         ( 504822.0,
3632775.9,     270.3,     363.3,       0.0);
     ( 504922.0, 3632775.9,     289.8,     363.3,       0.0);         ( 505022.0,
3632775.9,     329.5,     337.2,       0.0);
     ( 505122.0, 3632775.9,     337.3,     337.3,       0.0);         ( 505222.0,
3632775.9,     336.9,     338.6,       0.0);
     ( 505322.0, 3632775.9,     295.0,     363.3,       0.0);         ( 505422.0,
3632775.9,     261.8,     363.3,       0.0);
     ( 505522.0, 3632775.9,     242.3,     363.3,       0.0);         ( 505622.0,
3632775.9,     233.5,     363.3,       0.0);
     ( 505722.0, 3632775.9,     239.5,     363.3,       0.0);         ( 501722.0,
3632875.9,     108.3,     108.3,       0.0);
     ( 501822.0, 3632875.9,     108.3,     108.3,       0.0);         ( 501922.0,
3632875.9,     108.3,     108.3,       0.0);
     ( 502022.0, 3632875.9,     108.0,     108.0,       0.0);         ( 502122.0,
3632875.9,     108.3,     108.3,       0.0);
     ( 502222.0, 3632875.9,     107.4,     107.4,       0.0);         ( 502322.0,
3632875.9,     107.8,     107.8,       0.0);
     ( 502422.0, 3632875.9,     108.8,     169.3,       0.0);         ( 502522.0,
3632875.9,     109.3,     169.3,       0.0);
     ( 502622.0, 3632875.9,     109.4,     318.9,       0.0);         ( 502722.0,
3632875.9,     111.2,     329.3,       0.0);
     ( 502822.0, 3632875.9,     115.8,     329.9,       0.0);         ( 502922.0,
3632875.9,     131.1,     329.3,       0.0);
     ( 503022.0, 3632875.9,     169.1,     169.1,       0.0);         ( 503122.0,
3632875.9,     145.2,     329.9,       0.0);
     ( 503222.0, 3632875.9,     122.1,     363.3,       0.0);         ( 503322.0,
3632875.9,     122.1,     363.3,       0.0);
     ( 503422.0, 3632875.9,     124.9,     363.3,       0.0);         ( 503622.0,
3632875.9,     135.9,     363.3,       0.0);
     ( 503722.0, 3632875.9,     143.3,     363.3,       0.0);         ( 503822.0,
3632875.9,     163.0,     363.3,       0.0);
     ( 503922.0, 3632875.9,     190.4,     363.3,       0.0);         ( 504022.0,
3632875.9,     199.5,     363.3,       0.0);
     ( 504122.0, 3632875.9,     211.2,     363.3,       0.0);         ( 504222.0,
3632875.9,     242.1,     338.6,       0.0);
     ( 504322.0, 3632875.9,     257.1,     337.5,       0.0);         ( 504422.0,
3632875.9,     264.2,     338.4,       0.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(504522.0, 3632875.9, 261.2, 360.8, 0.0); (504622.0, 3632875.9, 264.0, 363.3, 0.0);
(504722.0, 3632875.9, 266.8, 363.3, 0.0); (504822.0, 3632875.9, 295.8, 338.6, 0.0);
(504922.0, 3632875.9, 326.4, 329.9, 0.0); (505022.0, 3632875.9, 332.5, 336.5, 0.0);
(505122.0, 3632875.9, 336.4, 336.4, 0.0); (505222.0, 3632875.9, 298.3, 363.3, 0.0);
(505322.0, 3632875.9, 269.6, 363.3, 0.0); (505422.0, 3632875.9, 243.2, 363.3, 0.0);
(505522.0, 3632875.9, 238.8, 363.3, 0.0); (505622.0, 3632875.9, 227.1, 363.3, 0.0);
(505722.0, 3632875.9, 234.9, 363.3, 0.0); (501722.0, 3632975.9, 107.6, 107.6, 0.0);
(501822.0, 3632975.9, 107.9, 107.9, 0.0); (501922.0, 3632975.9, 108.1, 108.1, 0.0);
(502022.0, 3632975.9, 108.5, 108.5, 0.0); (502122.0, 3632975.9, 108.3, 108.3, 0.0);
(505322.0, 3632975.9, 243.3, 363.3, 0.0); (505422.0, 3632975.9, 234.7, 363.3, 0.0);
(505522.0, 3632975.9, 222.9, 363.3, 0.0); (505622.0, 3632975.9, 221.1, 363.3, 0.0);
(505722.0, 3632975.9, 229.9, 363.3, 0.0); (501722.0, 3633075.9, 106.5, 106.5, 0.0);
(501822.0, 3633075.9, 106.4, 106.4, 0.0); (501922.0, 3633075.9, 107.2, 107.2, 0.0);
(502022.0, 3633075.9, 107.5, 107.5, 0.0); (502122.0, 3633075.9, 108.2, 108.2, 0.0);
(505322.0, 3633075.9, 238.2, 363.3, 0.0); (505422.0, 3633075.9, 221.1, 363.3, 0.0);
(505522.0, 3633075.9, 212.5, 363.3, 0.0); (505622.0, 3633075.9, 213.6, 363.3, 0.0);
(505722.0, 3633075.9, 227.8, 363.3, 0.0); (501722.0, 3633175.9, 105.7, 105.7, 0.0);
(501822.0, 3633175.9, 105.8, 105.8, 0.0); (501922.0, 3633175.9, 105.9, 105.9, 0.0);
(502022.0, 3633175.9, 106.7, 106.7, 0.0); (502122.0, 3633175.9, 105.8, 105.8, 0.0);
(505322.0, 3633175.9, 230.0, 363.3, 0.0); (505422.0, 3633175.9, 221.7, 363.3, 0.0);
(505522.0, 3633175.9, 210.3, 363.3, 0.0); (505622.0,

```
3633175.9,     204.1,     363.3,       0.0);
     ( 505722.0, 3633175.9,     216.9,     363.3,       0.0);         ( 501722.0,
3633275.9,     105.2,     105.2,       0.0);
     ( 501822.0, 3633275.9,     106.0,     106.0,       0.0);         ( 501922.0,
3633275.9,     106.0,     106.0,       0.0);
     ( 502022.0, 3633275.9,     106.5,     106.5,       0.0);         ( 502122.0,
3633275.9,     105.7,     105.7,       0.0);
     ( 505322.0, 3633275.9,     220.4,     363.3,       0.0);         ( 505422.0,
3633275.9,     224.8,     363.3,       0.0);
     ( 505522.0, 3633275.9,     208.6,     363.3,       0.0);         ( 505622.0,
3633275.9,     196.6,     363.3,       0.0);
     ( 505722.0, 3633275.9,     203.8,     363.3,       0.0);         ( 501722.0,
3633375.9,     104.5,     104.5,       0.0);
     ( 501822.0, 3633375.9,     105.0,     105.0,       0.0);         ( 501922.0,
3633375.9,     105.1,     105.1,       0.0);
     ( 502022.0, 3633375.9,     105.4,     105.4,       0.0);         ( 502122.0,
3633375.9,     105.8,     105.8,       0.0);
     ( 505322.0, 3633375.9,     207.0,     363.3,       0.0);         ( 505422.0,
3633375.9,     221.2,     363.3,       0.0);
     ( 505522.0, 3633375.9,     212.8,     363.3,       0.0);         ( 505622.0,
3633375.9,     193.9,     363.3,       0.0);
     ( 505722.0, 3633375.9,     192.6,     363.3,       0.0);         ( 501722.0,
3633475.9,     104.5,     104.5,       0.0);
     ( 501822.0, 3633475.9,     105.0,     105.0,       0.0);         ( 501922.0,
3633475.9,     105.9,     105.9,       0.0);
     ( 502022.0, 3633475.9,     106.1,     106.1,       0.0);         ( 502122.0,
3633475.9,     105.2,     105.2,       0.0);
     ( 505322.0, 3633475.9,     200.9,     363.3,       0.0);         ( 505422.0,
3633475.9,     214.8,     363.3,       0.0);
     ( 505522.0, 3633475.9,     204.8,     363.3,       0.0);         ( 505622.0,
3633475.9,     194.9,     363.3,       0.0);
     ( 505722.0, 3633475.9,     186.9,     363.3,       0.0);         ( 501722.0,
3633575.9,     104.3,     104.3,       0.0);
     ( 501822.0, 3633575.9,     105.1,     105.1,       0.0);         ( 501922.0,
3633575.9,     105.5,     105.5,       0.0);
     ( 502022.0, 3633575.9,     105.4,     105.4,       0.0);         ( 502122.0,
3633575.9,     111.2,     114.2,       0.0);
     ( 505322.0, 3633575.9,     198.5,     363.3,       0.0);         ( 505422.0,
3633575.9,     214.2,     363.3,       0.0);
     ( 505522.0, 3633575.9,     202.8,     363.3,       0.0);         ( 505622.0,
3633575.9,     189.7,     363.3,       0.0);
     ( 505722.0, 3633575.9,     183.3,     363.3,       0.0);         ( 501722.0,
3633675.9,     104.6,     104.6,       0.0);
     ( 501822.0, 3633675.9,     104.5,     104.5,       0.0);         ( 501922.0,
3633675.9,     105.4,     105.4,       0.0);
     ( 502022.0, 3633675.9,     106.3,     112.0,       0.0);         ( 502122.0,
3633675.9,     111.2,     111.2,       0.0);
     ( 505322.0, 3633675.9,     202.2,     363.3,       0.0);         ( 505422.0,
3633675.9,     222.0,     363.3,       0.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(505522.0, 3633675.9, 207.8, 363.3, 0.0); (505622.0, 3633675.9, 193.3, 363.3, 0.0);
(505722.0, 3633675.9, 180.2, 363.3, 0.0); (501722.0, 3633775.9, 104.9, 104.9, 0.0);
(501822.0, 3633775.9, 104.9, 104.9, 0.0); (501922.0, 3633775.9, 105.2, 105.2, 0.0);
(502022.0, 3633775.9, 105.6, 105.6, 0.0); (502122.0, 3633775.9, 105.6, 109.6, 0.0);
(505322.0, 3633775.9, 199.7, 363.3, 0.0); (505422.0, 3633775.9, 207.5, 363.3, 0.0);
(505522.0, 3633775.9, 208.0, 363.3, 0.0); (505622.0, 3633775.9, 192.9, 363.3, 0.0);
(505722.0, 3633775.9, 177.3, 363.3, 0.0); (501722.0, 3633875.9, 104.5, 104.5, 0.0);
(501822.0, 3633875.9, 105.7, 105.7, 0.0); (501922.0, 3633875.9, 103.6, 103.6, 0.0);
(502022.0, 3633875.9, 105.5, 105.5, 0.0); (502122.0, 3633875.9, 105.2, 105.2, 0.0);
(505322.0, 3633875.9, 198.2, 363.3, 0.0); (505422.0, 3633875.9, 195.1, 363.3, 0.0);
(505522.0, 3633875.9, 194.3, 363.3, 0.0); (505622.0, 3633875.9, 190.3, 363.3, 0.0);
(505722.0, 3633875.9, 173.9, 363.3, 0.0); (501722.0, 3633975.9, 104.1, 104.1, 0.0);
(501822.0, 3633975.9, 104.6, 104.6, 0.0); (501922.0, 3633975.9, 104.9, 104.9, 0.0);
(502022.0, 3633975.9, 104.6, 104.6, 0.0); (502122.0, 3633975.9, 105.4, 105.4, 0.0);
(505322.0, 3633975.9, 192.7, 363.3, 0.0); (505422.0, 3633975.9, 187.1, 363.3, 0.0);
(505522.0, 3633975.9, 184.0, 363.3, 0.0); (505622.0, 3633975.9, 179.9, 363.3, 0.0);
(505722.0, 3633975.9, 170.6, 363.3, 0.0); (501722.0, 3634075.9, 103.5, 103.5, 0.0);
(501822.0, 3634075.9, 104.1, 104.1, 0.0); (501922.0, 3634075.9, 104.4, 104.4, 0.0);
(502022.0, 3634075.9, 104.3, 104.3, 0.0); (502122.0, 3634075.9, 104.0, 104.0, 0.0);
(505322.0, 3634075.9, 187.0, 362.2, 0.0); (505422.0,

```
3634075.9,     180.6,     363.3,       0.0);
     ( 505522.0, 3634075.9,     169.6,     363.3,       0.0);         ( 505622.0,
3634075.9,     165.6,     363.3,       0.0);
     ( 505722.0, 3634075.9,     169.5,     363.3,       0.0);         ( 501722.0,
3634175.9,     101.4,     101.4,       0.0);
     ( 501822.0, 3634175.9,     103.2,     103.2,       0.0);         ( 501922.0,
3634175.9,     103.7,     103.7,       0.0);
     ( 502022.0, 3634175.9,     101.5,     101.5,       0.0);         ( 502122.0,
3634175.9,     102.4,     102.4,       0.0);
     ( 505322.0, 3634175.9,     166.9,     363.3,       0.0);         ( 505422.0,
3634175.9,     162.2,     363.3,       0.0);
     ( 505522.0, 3634175.9,     158.8,     363.3,       0.0);         ( 505622.0,
3634175.9,     167.5,     363.3,       0.0);
     ( 505722.0, 3634175.9,     176.6,     338.7,       0.0);         ( 501722.0,
3634275.9,     100.4,     100.4,       0.0);
     ( 501822.0, 3634275.9,     100.5,     100.5,       0.0);         ( 501922.0,
3634275.9,     100.5,     100.5,       0.0);
     ( 502022.0, 3634275.9,     100.1,     100.1,       0.0);         ( 502122.0,
3634275.9,     100.1,     100.1,       0.0);
     ( 505322.0, 3634275.9,     153.1,     363.3,       0.0);         ( 505422.0,
3634275.9,     151.1,     363.3,       0.0);
     ( 505522.0, 3634275.9,     166.6,     362.2,       0.0);         ( 505622.0,
3634275.9,     172.3,     338.7,       0.0);
     ( 505722.0, 3634275.9,     181.9,     337.8,       0.0);         ( 501722.0,
3634375.9,     101.8,     101.8,       0.0);
     ( 501822.0, 3634375.9,     102.9,     102.9,       0.0);         ( 501922.0,
3634375.9,     101.4,     101.4,       0.0);
     ( 502022.0, 3634375.9,     100.9,     104.1,       0.0);         ( 502122.0,
3634375.9,     102.0,     104.7,       0.0);
     ( 505322.0, 3634375.9,     149.2,     363.3,       0.0);         ( 505422.0,
3634375.9,     150.9,     363.3,       0.0);
     ( 505522.0, 3634375.9,     174.8,     338.7,       0.0);         ( 505622.0,
3634375.9,     187.9,     187.9,       0.0);
     ( 505722.0, 3634375.9,     192.2,     195.6,       0.0);         ( 501722.0,
3634475.9,     102.9,     102.9,       0.0);
     ( 501822.0, 3634475.9,     104.1,     104.1,       0.0);         ( 501922.0,
3634475.9,     104.5,     104.5,       0.0);
     ( 502022.0, 3634475.9,     105.7,     105.7,       0.0);         ( 502122.0,
3634475.9,     104.5,     104.5,       0.0);
     ( 505322.0, 3634475.9,     153.2,     338.7,       0.0);         ( 505422.0,
3634475.9,     139.7,     363.3,       0.0);
     ( 505522.0, 3634475.9,     154.5,     338.7,       0.0);         ( 505622.0,
3634475.9,     172.7,     334.9,       0.0);
     ( 505722.0, 3634475.9,     195.4,     199.4,       0.0);         ( 501722.0,
3634575.9,     103.2,     103.2,       0.0);
     ( 501822.0, 3634575.9,     103.4,     103.4,       0.0);         ( 501922.0,
3634575.9,     103.8,     103.8,       0.0);
     ( 502022.0, 3634575.9,     104.8,     104.8,       0.0);         ( 502122.0,
3634575.9,     105.8,     105.8,       0.0);
     ( 505322.0, 3634575.9,     160.2,     337.8,       0.0);         ( 505422.0,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (505522.0, 3634575.9,   142.1,   338.7,   0.0);   (505622.0, 3634575.9,   165.8,   199.9,   0.0);
     (505722.0, 3634575.9,   190.4,   199.9,   0.0);   (501722.0, 3634675.9,   104.5,   104.5,   0.0);
     (501822.0, 3634675.9,   105.8,   105.8,   0.0);   (501922.0, 3634675.9,   105.9,   105.9,   0.0);
     (502022.0, 3634675.9,   107.0,   107.0,   0.0);   (502122.0, 3634675.9,   104.1,   108.3,   0.0);
     (505322.0, 3634675.9,   160.7,   334.2,   0.0);   (505422.0, 3634675.9,   138.9,   338.7,   0.0);
     (505522.0, 3634675.9,   130.2,   338.7,   0.0);   (505622.0, 3634675.9,   143.2,   338.7,   0.0);
     (505722.0, 3634675.9,   165.1,   199.9,   0.0);   (501722.0, 3634775.9,   105.2,   199.7,   0.0);
     (501822.0, 3634775.9,   107.1,   107.1,   0.0);   (501922.0, 3634775.9,   106.2,   106.2,   0.0);
     (502022.0, 3634775.9,   108.2,   108.2,   0.0);   (502122.0, 3634775.9,   107.8,   107.8,   0.0);
     (505322.0, 3634775.9,   158.6,   183.0,   0.0);   (505422.0, 3634775.9,   127.3,   338.7,   0.0);
     (505522.0, 3634775.9,   126.6,   338.7,   0.0);   (505622.0, 3634775.9,   132.7,   338.7,   0.0);
     (505722.0, 3634775.9,   142.3,   334.2,   0.0);   (501722.0, 3634875.9,   105.7,   255.1,   0.0);
     (501822.0, 3634875.9,   108.1,   203.1,   0.0);   (501922.0, 3634875.9,   109.1,   111.2,   0.0);
     (502022.0, 3634875.9,   110.4,   110.4,   0.0);   (502122.0, 3634875.9,   109.5,   109.5,   0.0);
     (505322.0, 3634875.9,   146.0,   185.3,   0.0);   (505422.0, 3634875.9,   123.0,   338.7,   0.0);
     (505522.0, 3634875.9,   123.3,   338.7,   0.0);   (505622.0, 3634875.9,   124.1,   338.7,   0.0);
     (505722.0, 3634875.9,   127.7,   336.4,   0.0);   (501722.0, 3634975.9,   108.4,   255.4,   0.0);
     (501822.0, 3634975.9,   109.8,   255.4,   0.0);   (501922.0, 3634975.9,   112.2,   197.6,   0.0);
     (502022.0, 3634975.9,   112.2,   112.2,   0.0);   (502122.0,

```
3634975.9,     110.8,     110.8,       0.0);
     ( 505322.0, 3634975.9,     135.6,     198.8,       0.0);         ( 505422.0,
3634975.9,     120.7,     337.8,       0.0);
     ( 505522.0, 3634975.9,     120.4,     337.0,       0.0);         ( 505622.0,
3634975.9,     121.2,     336.4,       0.0);
     ( 505722.0, 3634975.9,     121.8,     334.9,       0.0);         ( 501722.0,
3635075.9,     113.9,     255.4,       0.0);
     ( 501822.0, 3635075.9,     113.1,     255.4,       0.0);         ( 501922.0,
3635075.9,     115.9,     255.1,       0.0);
     ( 502022.0, 3635075.9,     114.9,     114.9,       0.0);         ( 502122.0,
3635075.9,     111.9,     111.9,       0.0);
     ( 505322.0, 3635075.9,     128.1,     198.8,       0.0);         ( 505422.0,
3635075.9,     119.6,     334.2,       0.0);
     ( 505522.0, 3635075.9,     118.6,     334.2,       0.0);         ( 505622.0,
3635075.9,     121.1,     199.9,       0.0);
     ( 505722.0, 3635075.9,     118.9,     200.1,       0.0);         ( 501722.0,
3635175.9,     116.0,     255.4,       0.0);
     ( 501822.0, 3635175.9,     115.1,     255.4,       0.0);         ( 501922.0,
3635175.9,     117.4,     255.4,       0.0);
     ( 502022.0, 3635175.9,     116.1,     255.4,       0.0);         ( 502122.0,
3635175.9,     113.6,     255.1,       0.0);
     ( 505322.0, 3635175.9,     116.1,     199.9,       0.0);         ( 505422.0,
3635175.9,     116.8,     199.9,       0.0);
     ( 505522.0, 3635175.9,     116.8,     199.9,       0.0);         ( 505622.0,
3635175.9,     117.0,     199.9,       0.0);
     ( 505722.0, 3635175.9,     117.5,     199.9,       0.0);         ( 501722.0,
3635275.9,     120.7,     255.4,       0.0);
     ( 501822.0, 3635275.9,     118.6,     255.4,       0.0);         ( 501922.0,
3635275.9,     118.6,     255.4,       0.0);
     ( 502022.0, 3635275.9,     118.4,     255.4,       0.0);         ( 502122.0,
3635275.9,     115.0,     255.4,       0.0);
     ( 505622.0, 3635275.9,     115.0,     199.9,       0.0);         ( 505722.0,
3635275.9,     115.6,     199.9,       0.0);
     ( 501722.0, 3635375.9,     123.7,     255.4,       0.0);         ( 501822.0,
3635375.9,     121.0,     255.4,       0.0);
     ( 501922.0, 3635375.9,     120.1,     255.4,       0.0);         ( 502022.0,
3635375.9,     119.6,     255.4,       0.0);
     ( 502122.0, 3635375.9,     116.4,     255.4,       0.0);         ( 505622.0,
3635375.9,     113.9,     198.1,       0.0);
     ( 501722.0, 3635475.9,     127.5,     255.4,       0.0);         ( 501822.0,
3635475.9,     124.8,     255.4,       0.0);
     ( 501922.0, 3635475.9,     120.8,     298.9,       0.0);         ( 502022.0,
3635475.9,     118.1,     255.4,       0.0);
     ( 502122.0, 3635475.9,     118.3,     255.4,       0.0);         ( 505622.0,
3635475.9,     112.1,     279.6,       0.0);
     ( 505722.0, 3635475.9,     108.9,     279.6,       0.0);         ( 501722.0,
3635575.9,     129.6,     304.2,       0.0);
     ( 501822.0, 3635575.9,     126.4,     304.2,       0.0);         ( 501922.0,
3635575.9,     122.1,     304.2,       0.0);
     ( 502022.0, 3635575.9,     121.3,     304.2,       0.0);         ( 502122.0,
```

3635575.9,   121.8,   333.1,   0.0);
     (505322.0, 3635575.9,   115.7,   279.6,   0.0);   (505422.0,
3635575.9,   108.8,   279.6,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (505522.0, 3635575.9,   108.9,   279.6,   0.0);   (505622.0,
3635575.9,   108.2,   279.6,   0.0);
     (505722.0, 3635575.9,   108.7,   279.6,   0.0);   (501722.0,
3635675.9,   133.6,   304.2,   0.0);
     (501822.0, 3635675.9,   128.5,   304.2,   0.0);   (501922.0,
3635675.9,   125.1,   304.2,   0.0);
     (502022.0, 3635675.9,   124.4,   333.1,   0.0);   (502122.0,
3635675.9,   125.0,   333.1,   0.0);
     (505322.0, 3635675.9,   115.6,   279.6,   0.0);   (505422.0,
3635675.9,   113.9,   279.6,   0.0);
     (505522.0, 3635675.9,   108.9,   279.6,   0.0);   (505622.0,
3635675.9,   109.7,   279.6,   0.0);
     (505722.0, 3635675.9,   108.7,   279.6,   0.0);   (501722.0,
3635775.9,   138.5,   304.2,   0.0);
     (501822.0, 3635775.9,   132.1,   304.2,   0.0);   (501922.0,
3635775.9,   127.9,   304.2,   0.0);
     (502022.0, 3635775.9,   126.7,   333.1,   0.0);   (502122.0,
3635775.9,   126.1,   333.1,   0.0);
     (505322.0, 3635775.9,   116.4,   279.6,   0.0);   (505422.0,
3635775.9,   116.7,   279.6,   0.0);
     (505522.0, 3635775.9,   116.3,   279.6,   0.0);   (505622.0,
3635775.9,   115.0,   279.6,   0.0);
     (505722.0, 3635775.9,   115.8,   279.6,   0.0);   (501722.0,
3635875.9,   144.7,   304.2,   0.0);
     (501822.0, 3635875.9,   137.1,   304.2,   0.0);   (501922.0,
3635875.9,   131.3,   333.1,   0.0);
     (502022.0, 3635875.9,   130.7,   333.1,   0.0);   (502122.0,
3635875.9,   129.3,   333.1,   0.0);
     (505322.0, 3635875.9,   118.5,   279.6,   0.0);   (505422.0,
3635875.9,   116.3,   279.6,   0.0);
     (505522.0, 3635875.9,   116.7,   279.6,   0.0);   (505622.0,
3635875.9,   116.4,   279.6,   0.0);
     (505722.0, 3635875.9,   116.6,   279.6,   0.0);   (501722.0,
3635975.9,   148.0,   304.2,   0.0);
     (501822.0, 3635975.9,   139.5,   304.2,   0.0);   (501922.0,

3635975.9,   134.8,   333.1,   0.0);
     (502022.0, 3635975.9,   134.8,   333.1,   0.0);   (502122.0,
3635975.9,   133.4,   333.1,   0.0);
     (505322.0, 3635975.9,   116.6,   279.6,   0.0);   (505422.0,
3635975.9,   116.3,   279.6,   0.0);
     (505522.0, 3635975.9,   116.3,   279.6,   0.0);   (505622.0,
3635975.9,   117.2,   279.6,   0.0);
     (505722.0, 3635975.9,   116.2,   279.6,   0.0);   (501722.0,
3636075.9,   147.7,   304.2,   0.0);
     (501822.0, 3636075.9,   143.5,   304.2,   0.0);   (501922.0,
3636075.9,   139.4,   333.1,   0.0);
     (502022.0, 3636075.9,   138.9,   333.1,   0.0);   (502122.0,
3636075.9,   137.0,   333.1,   0.0);
     (502222.0, 3636075.9,   133.5,   352.4,   0.0);   (502322.0,
3636075.9,   127.7,   363.2,   0.0);
     (502422.0, 3636075.9,   124.6,   363.2,   0.0);   (502522.0,
3636075.9,   125.3,   363.2,   0.0);
     (502622.0, 3636075.9,   126.6,   363.2,   0.0);   (502722.0,
3636075.9,   126.9,   363.2,   0.0);
     (502822.0, 3636075.9,   128.1,   363.2,   0.0);   (502922.0,
3636075.9,   131.9,   363.2,   0.0);
     (503022.0, 3636075.9,   134.8,   363.2,   0.0);   (503122.0,
3636075.9,   140.5,   363.2,   0.0);
     (503222.0, 3636075.9,   137.4,   363.2,   0.0);   (503322.0,
3636075.9,   133.6,   363.2,   0.0);
     (503422.0, 3636075.9,   132.6,   363.2,   0.0);   (503522.0,
3636075.9,   130.5,   363.2,   0.0);
     (503622.0, 3636075.9,   129.3,   363.2,   0.0);   (503722.0,
3636075.9,   128.9,   363.2,   0.0);
     (503822.0, 3636075.9,   127.7,   363.2,   0.0);   (503922.0,
3636075.9,   128.9,   363.2,   0.0);
     (504022.0, 3636075.9,   127.8,   363.2,   0.0);   (504122.0,
3636075.9,   129.3,   333.1,   0.0);
     (504222.0, 3636075.9,   130.6,   333.1,   0.0);   (504322.0,
3636075.9,   129.8,   333.1,   0.0);
     (504422.0, 3636075.9,   132.9,   333.1,   0.0);   (504522.0,
3636075.9,   135.2,   333.1,   0.0);
     (504622.0, 3636075.9,   132.7,   333.1,   0.0);   (504722.0,
3636075.9,   124.0,   333.1,   0.0);
     (504822.0, 3636075.9,   119.3,   333.1,   0.0);   (504922.0,
3636075.9,   116.6,   333.1,   0.0);
     (505022.0, 3636075.9,   116.4,   333.1,   0.0);   (505122.0,
3636075.9,   116.0,   333.1,   0.0);
     (505222.0, 3636075.9,   115.7,   333.1,   0.0);   (505322.0,
3636075.9,   116.2,   279.6,   0.0);
     (505422.0, 3636075.9,   115.3,   279.6,   0.0);   (505522.0,
3636075.9,   116.6,   279.6,   0.0);
     (505622.0, 3636075.9,   117.0,   279.6,   0.0);   (505722.0,
3636075.9,   116.9,   279.6,   0.0);
     (501722.0, 3636175.9,   153.0,   304.2,   0.0);   (501822.0,

3636175.9,   148.3,   304.2,   0.0);
     (501922.0, 3636175.9,   143.1,   333.1,   0.0);   (502022.0,
3636175.9,   141.8,   333.1,   0.0);
     (502122.0, 3636175.9,   139.6,   352.4,   0.0);   (502222.0,
3636175.9,   135.1,   352.4,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (502322.0, 3636175.9,   128.9,   363.2,   0.0);   (502422.0,
3636175.9,   125.8,   363.2,   0.0);
     (502522.0, 3636175.9,   126.8,   363.2,   0.0);   (502622.0,
3636175.9,   127.8,   363.2,   0.0);
     (502722.0, 3636175.9,   130.2,   363.2,   0.0);   (502822.0,
3636175.9,   131.6,   363.2,   0.0);
     (502922.0, 3636175.9,   133.8,   363.2,   0.0);   (503022.0,
3636175.9,   137.7,   363.2,   0.0);
     (503122.0, 3636175.9,   147.8,   363.2,   0.0);   (503222.0,
3636175.9,   140.8,   363.2,   0.0);
     (503322.0, 3636175.9,   135.6,   363.2,   0.0);   (503422.0,
3636175.9,   134.4,   363.2,   0.0);
     (503522.0, 3636175.9,   133.9,   363.2,   0.0);   (503622.0,
3636175.9,   132.2,   363.2,   0.0);
     (503722.0, 3636175.9,   132.2,   363.2,   0.0);   (503822.0,
3636175.9,   132.7,   363.2,   0.0);
     (503922.0, 3636175.9,   133.9,   363.2,   0.0);   (504022.0,
3636175.9,   135.1,   363.2,   0.0);
     (504122.0, 3636175.9,   137.3,   333.1,   0.0);   (504222.0,
3636175.9,   137.6,   333.1,   0.0);
     (504322.0, 3636175.9,   144.1,   333.1,   0.0);   (504422.0,
3636175.9,   152.3,   333.1,   0.0);
     (504522.0, 3636175.9,   167.2,   333.1,   0.0);   (504622.0,
3636175.9,   153.8,   333.1,   0.0);
     (504722.0, 3636175.9,   132.7,   333.1,   0.0);   (504822.0,
3636175.9,   130.3,   333.1,   0.0);
     (504922.0, 3636175.9,   124.5,   333.1,   0.0);   (505022.0,
3636175.9,   119.5,   333.1,   0.0);
     (505122.0, 3636175.9,   116.4,   333.1,   0.0);   (505222.0,
3636175.9,   116.3,   333.1,   0.0);
     (505322.0, 3636175.9,   116.8,   279.6,   0.0);   (505422.0,
3636175.9,   117.1,   279.6,   0.0);
     (505522.0, 3636175.9,   116.5,   279.6,   0.0);   (505622.0,

```
3636175.9,     117.0,     279.6,       0.0);
     ( 505722.0, 3636175.9,     117.4,     279.6,       0.0);         ( 501722.0,
3636275.9,     154.7,     304.2,       0.0);
     ( 501822.0, 3636275.9,     150.9,     304.2,       0.0);         ( 501922.0,
3636275.9,     146.2,     333.1,       0.0);
     ( 502022.0, 3636275.9,     142.4,     352.4,       0.0);         ( 502122.0,
3636275.9,     137.6,     363.2,       0.0);
     ( 502222.0, 3636275.9,     132.8,     363.2,       0.0);         ( 502322.0,
3636275.9,     129.2,     368.8,       0.0);
     ( 502422.0, 3636275.9,     127.7,     368.8,       0.0);         ( 502522.0,
3636275.9,     128.1,     368.8,       0.0);
     ( 502622.0, 3636275.9,     131.5,     368.8,       0.0);         ( 502722.0,
3636275.9,     133.1,     368.8,       0.0);
     ( 502822.0, 3636275.9,     134.8,     368.8,       0.0);         ( 502922.0,
3636275.9,     137.1,     368.8,       0.0);
     ( 503022.0, 3636275.9,     138.2,     363.2,       0.0);         ( 503122.0,
3636275.9,     143.1,     363.2,       0.0);
     ( 503222.0, 3636275.9,     146.3,     363.2,       0.0);         ( 503322.0,
3636275.9,     143.8,     363.2,       0.0);
     ( 503422.0, 3636275.9,     140.3,     363.2,       0.0);         ( 503522.0,
3636275.9,     138.4,     363.2,       0.0);
     ( 503622.0, 3636275.9,     137.1,     363.2,       0.0);         ( 503722.0,
3636275.9,     136.4,     363.2,       0.0);
     ( 503822.0, 3636275.9,     136.6,     363.2,       0.0);         ( 503922.0,
3636275.9,     138.1,     363.2,       0.0);
     ( 504022.0, 3636275.9,     141.4,     363.2,       0.0);         ( 504122.0,
3636275.9,     146.3,     333.1,       0.0);
     ( 504222.0, 3636275.9,     157.5,     333.1,       0.0);         ( 504322.0,
3636275.9,     191.5,     333.1,       0.0);
     ( 504422.0, 3636275.9,     203.4,     279.6,       0.0);         ( 504522.0,
3636275.9,     215.0,     279.6,       0.0);
     ( 504622.0, 3636275.9,     181.8,     279.6,       0.0);         ( 504722.0,
3636275.9,     156.8,     333.1,       0.0);
     ( 504822.0, 3636275.9,     163.3,     333.1,       0.0);         ( 504922.0,
3636275.9,     138.7,     333.1,       0.0);
     ( 505022.0, 3636275.9,     120.5,     333.1,       0.0);         ( 505122.0,
3636275.9,     117.0,     333.1,       0.0);
     ( 505222.0, 3636275.9,     116.8,     333.1,       0.0);         ( 505322.0,
3636275.9,     117.5,     333.1,       0.0);
     ( 505422.0, 3636275.9,     117.9,     279.6,       0.0);         ( 505522.0,
3636275.9,     117.0,     279.6,       0.0);
     ( 505622.0, 3636275.9,     117.4,     279.6,       0.0);         ( 505722.0,
3636275.9,     118.2,     279.6,       0.0);
     ( 501722.0, 3636375.9,     157.2,     304.2,       0.0);         ( 501822.0,
3636375.9,     152.6,     333.1,       0.0);
     ( 501922.0, 3636375.9,     146.4,     352.4,       0.0);         ( 502022.0,
3636375.9,     142.9,     363.2,       0.0);
     ( 502122.0, 3636375.9,     138.0,     368.8,       0.0);         ( 502222.0,
3636375.9,     134.8,     368.8,       0.0);
     ( 502322.0, 3636375.9,     133.4,     368.8,       0.0);         ( 502422.0,
```

3636375.9,   130.9,   368.8,   0.0);
     (502522.0, 3636375.9,   131.2,   368.8,   0.0);   (502622.0,
3636375.9,   131.8,   368.8,   0.0);
     (502722.0, 3636375.9,   135.7,   368.8,   0.0);   (502822.0,
3636375.9,   139.1,   368.8,   0.0);
     (502922.0, 3636375.9,   142.1,   368.8,   0.0);   (503022.0,
3636375.9,   144.5,   368.8,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (503122.0, 3636375.9,   149.0,   363.2,   0.0);   (503222.0,
3636375.9,   154.0,   363.2,   0.0);
     (503322.0, 3636375.9,   152.6,   363.2,   0.0);   (503422.0,
3636375.9,   145.3,   363.2,   0.0);
     (503522.0, 3636375.9,   143.8,   363.2,   0.0);   (503622.0,
3636375.9,   143.0,   363.2,   0.0);
     (503722.0, 3636375.9,   141.1,   363.2,   0.0);   (503822.0,
3636375.9,   140.3,   363.2,   0.0);
     (503922.0, 3636375.9,   145.6,   363.2,   0.0);   (504022.0,
3636375.9,   149.4,   363.2,   0.0);
     (504122.0, 3636375.9,   157.6,   333.1,   0.0);   (504222.0,
3636375.9,   176.7,   333.1,   0.0);
     (504322.0, 3636375.9,   206.2,   333.1,   0.0);   (504422.0,
3636375.9,   228.3,   279.6,   0.0);
     (504522.0, 3636375.9,   231.9,   279.6,   0.0);   (504622.0,
3636375.9,   202.9,   279.6,   0.0);
     (504722.0, 3636375.9,   178.4,   333.1,   0.0);   (504822.0,
3636375.9,   187.9,   279.6,   0.0);
     (504922.0, 3636375.9,   179.4,   279.6,   0.0);   (505022.0,
3636375.9,   141.3,   333.1,   0.0);
     (505122.0, 3636375.9,   119.7,   333.1,   0.0);   (505222.0,
3636375.9,   118.9,   333.1,   0.0);
     (505322.0, 3636375.9,   118.6,   333.1,   0.0);   (505422.0,
3636375.9,   118.0,   279.6,   0.0);
     (505522.0, 3636375.9,   118.0,   279.6,   0.0);   (505622.0,
3636375.9,   118.0,   279.6,   0.0);
     (505722.0, 3636375.9,   118.6,   279.6,   0.0);   (501722.0,
3636475.9,   163.4,   304.2,   0.0);
     (501822.0, 3636475.9,   157.5,   333.1,   0.0);   (501922.0,
3636475.9,   147.8,   352.4,   0.0);
     (502022.0, 3636475.9,   145.3,   363.2,   0.0);   (502122.0,

3636475.9,   142.2,   368.8,   0.0);
     (502222.0, 3636475.9,   138.3,   368.8,   0.0);   (502322.0,
3636475.9,   135.0,   368.8,   0.0);
     (502422.0, 3636475.9,   132.7,   368.8,   0.0);   (502522.0,
3636475.9,   133.6,   368.8,   0.0);
     (502622.0, 3636475.9,   134.6,   368.8,   0.0);   (502722.0,
3636475.9,   138.0,   368.8,   0.0);
     (502822.0, 3636475.9,   144.2,   368.8,   0.0);   (502922.0,
3636475.9,   147.0,   368.8,   0.0);
     (503022.0, 3636475.9,   151.1,   368.8,   0.0);   (503122.0,
3636475.9,   156.8,   363.2,   0.0);
     (503222.0, 3636475.9,   162.1,   363.2,   0.0);   (503322.0,
3636475.9,   158.5,   363.2,   0.0);
     (503422.0, 3636475.9,   153.5,   363.2,   0.0);   (503522.0,
3636475.9,   150.2,   363.2,   0.0);
     (503622.0, 3636475.9,   148.9,   363.2,   0.0);   (503722.0,
3636475.9,   146.1,   363.2,   0.0);
     (503822.0, 3636475.9,   148.5,   363.2,   0.0);   (503922.0,
3636475.9,   153.5,   363.2,   0.0);
     (504022.0, 3636475.9,   181.2,   333.1,   0.0);   (504122.0,
3636475.9,   177.1,   333.1,   0.0);
     (504222.0, 3636475.9,   179.1,   333.1,   0.0);   (504322.0,
3636475.9,   214.7,   333.1,   0.0);
     (504422.0, 3636475.9,   239.0,   279.6,   0.0);   (504522.0,
3636475.9,   247.8,   279.6,   0.0);
     (504622.0, 3636475.9,   238.9,   279.6,   0.0);   (504722.0,
3636475.9,   223.5,   279.6,   0.0);
     (504822.0, 3636475.9,   212.8,   279.6,   0.0);   (504922.0,
3636475.9,   184.7,   279.6,   0.0);
     (505022.0, 3636475.9,   147.6,   333.1,   0.0);   (505122.0,
3636475.9,   121.2,   333.1,   0.0);
     (505222.0, 3636475.9,   120.0,   333.1,   0.0);   (505322.0,
3636475.9,   119.4,   333.1,   0.0);
     (505422.0, 3636475.9,   118.3,   333.1,   0.0);   (505522.0,
3636475.9,   118.1,   279.6,   0.0);
     (505622.0, 3636475.9,   118.3,   279.6,   0.0);   (505722.0,
3636475.9,   118.5,   279.6,   0.0);

                                          *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1

1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: LES_2019-2021_v22112.SFC
Met Version: 22112
Profile file: LES_2019-2021_v22112.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 53143 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2019 Year: 2019

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
19	01	01	1	01	-1.2	0.036	-9.000	-9.000	-999.	17.	3.4	0.03	1.10	1.00	1.07	109.	10.0	279.8	10.0
19	01	01	1	02	-0.4	0.018	-9.000	-9.000	-999.	6.	1.5	0.03	1.10	1.00	0.54	221.	10.0	278.4	10.0
19	01	01	1	03	-0.4	0.020	-9.000	-9.000	-999.	7.	1.7	0.03	1.10	1.00	0.58	120.	10.0	277.3	10.0
19	01	01	1	04	-0.9	0.029	-9.000	-9.000	-999.	12.	2.3	0.03	1.10	1.00	0.85	74.	10.0	276.5	10.0
19	01	01	1	05	-0.6	0.024	-9.000	-9.000	-999.	9.	2.0	0.03	1.10	1.00	0.72	108.	10.0	276.0	10.0
19	01	01	1	06	-1.1	0.032	-9.000	-9.000	-999.	14.	2.6	0.03	1.10	1.00	0.94	44.	10.0	275.4	10.0
19	01	01	1	07	-0.7	0.024	-9.000	-9.000	-999.	9.	2.0	0.03	1.10	1.00	0.72	288.	10.0	275.5	10.0
19	01	01	1	08	-0.5	0.024	-9.000	-9.000	-999.	9.	2.5	0.03	1.10	0.49	0.72	231.	10.0	276.0	10.0
19	01	01	1	09	33.8	-9.000	-9.000	-9.000	154.	-999.	-99999.0	0.03	1.10	0.30	0.00	0.	10.0	279.9	10.0
19	01	01	1	10	85.0	0.120	0.857	0.005	265.	100.	-1.8	0.03	1.10	0.23	1.16	332.	10.0	283.3	10.0
19	01	01	1	11	119.9	0.189	1.381	0.005	785.	197.	-5.0	0.03	1.10	0.21	2.10	320.	10.0	285.3	10.0
19	01	01	1	12	136.4	0.238	1.521	0.005	922.	278.	-8.8	0.03	1.10	0.20	2.82	18.	10.0	286.5	10.0
19	01	01	1	13	133.6	0.307	1.572	0.005	1039.	409.	-19.4	0.03	1.10	0.20	3.93	12.	10.0	286.8	10.0
19	01	01	1	14	112.1	0.313	1.524	0.005	1127.	419.	-24.3	0.03	1.10	0.21	4.07	26.	10.0	286.8	10.0
19	01	01	1	15	72.7	0.324	1.339	0.005	1180.	443.	-41.9	0.03	1.10	0.24	4.38	62.	10.0	286.8	10.0
19	01	01	1	16	18.5	0.316	0.851	0.005	1191.	426.	-152.4	0.03	1.10	0.33	4.51	44.	10.0	285.8	10.0
19	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	1.10	0.61	4.02	71.	10.0	284.5	10.0
19	01	01	1	18	-21.6	0.194	-9.000	-9.000	-999.	205.	30.1	0.03	1.10	1.00	3.67	76.	10.0	283.2	10.0
19	01	01	1	19	-8.3	0.088	-9.000	-9.000	-999.	69.	7.2	0.03	1.10	1.00	2.59	53.	10.0	282.6	10.0
19	01	01	1	20	-4.6	0.065	-9.000	-9.000	-999.	40.	5.3	0.03	1.10	1.00	1.92	93.	10.0	280.8	10.0
19	01	01	1	21	-2.7	0.050	-9.000	-9.000	-999.	27.	4.1	0.03	1.10	1.00	1.48	85.	10.0	278.6	10.0
19	01	01	1	22	-1.2	0.033	-9.000	-9.000	-999.	14.	2.7	0.03	1.10	1.00	0.98	82.	10.0	277.5	10.0
19	01	01	1	23	-4.0	0.061	-9.000	-9.000	-999.	36.	4.9	0.03	1.10						

1.00   1.79   85.   10.0 276.5   10.0
 19 01 01   1 24   -5.3 0.070 -9.000 -9.000 -999.   44.   5.7 0.03   1.10
1.00   2.06 100.   10.0 276.4   10.0

 First hour of profile data
 YR MO DY HR HEIGHT F WDIR   WSPD AMB_TMP sigmaA sigmaW sigmaV
 19 01 01 01   10.0 1 109.   1.07   279.9   38.0 -99.00   0.58

 F indicates top of profile (=1) or below (=0)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3633475.90 1.50451
503321.98 3633475.90 1.27400 503371.98 3633475.90 0.94657
503421.98 3633475.90 0.96329 503471.98 3633475.90 0.99163
503521.98 3633475.90 1.04310 503621.98 3633475.90 1.05510
503671.98 3633475.90 0.94028 503721.98 3633475.90 0.86331
503771.98 3633475.90 0.87465 503821.98 3633475.90 0.83685
503871.98 3633475.90 0.84098 503921.98 3633475.90 0.90820
503971.98 3633475.90 0.91733 504021.98 3633475.90 0.87811
504071.98 3633475.90 0.89156 504121.98 3633475.90 0.92867
504171.98 3633475.90 0.89254 504221.98 3633475.90 0.91220
504271.98 3633475.90 0.94510 504321.98 3633475.90 0.94583
504371.98 3633475.90 0.86146 504421.98 3633475.90 0.80753
504471.98 3633475.90 0.77900 504521.98 3633475.90 0.77109
504571.98 3633475.90 0.78695 504621.98 3633475.90 0.81049
504671.98 3633475.90 0.82214 504721.98 3633475.90 0.84395
502721.98 3633525.90 1.00433 502771.98 3633525.90 1.04942
502821.98 3633525.90 1.09693 502871.98 3633525.90 1.14699
502921.98 3633525.90 1.19902 502971.98 3633525.90 1.25342
503021.98 3633525.90 1.30993 503071.98 3633525.90 1.36846
503121.98 3633525.90 1.42863 503171.98 3633525.90 1.49002
503221.98 3633525.90 1.55191 503271.98 3633525.90 1.60817
503321.98 3633525.90 1.62500 503371.98 3633525.90 1.27250
503421.98 3633525.90 1.23482 503471.98 3633525.90 1.23968
503521.98 3633525.90 1.21288 503621.98 3633525.90 1.30460
503671.98 3633525.90 1.21659 503721.98 3633525.90 1.20952
503771.98 3633525.90 1.08910 503821.98

3633525.90   0.98491
         503871.98   3633525.90   1.02428   503921.98
3633525.90   1.10575
         503971.98   3633525.90   1.07216   504021.98
3633525.90   1.01001
         504071.98   3633525.90   1.03049   504121.98
3633525.90   1.08515
         504171.98   3633525.90   1.08810   504221.98
3633525.90   1.09960
         504271.98   3633525.90   1.06849   504321.98
3633525.90   0.93331
         504371.98   3633525.90   0.88779   504421.98
3633525.90   0.85511
         504471.98   3633525.90   0.84099   504521.98
3633525.90   0.85942
         504571.98   3633525.90   0.89141   504621.98
3633525.90   0.91605
         504671.98   3633525.90   0.91839   504721.98
3633525.90   0.91285

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502721.98   3633575.90   1.04303   502771.98
3633575.90   1.09211

```
         502821.98    3633575.90        1.14442                    502871.98
3633575.90        1.19965
         502921.98    3633575.90        1.25730                    502971.98
3633575.90        1.31790
         503021.98    3633575.90        1.38116                    503071.98
3633575.90        1.44709
         503121.98    3633575.90        1.51514                    503171.98
3633575.90        1.58529
         503221.98    3633575.90        1.65675                    503271.98
3633575.90        1.72798
         503321.98    3633575.90        1.78492                    503371.98
3633575.90        1.59788
         503421.98    3633575.90        1.57805                    503471.98
3633575.90        1.54099
         503521.98    3633575.90        1.62220                    503621.98
3633575.90        1.42999
         503671.98    3633575.90        1.44850                    503721.98
3633575.90        1.47541
         503771.98    3633575.90        1.34441                    503821.98
3633575.90        1.25527
         503871.98    3633575.90        1.33127                    503921.98
3633575.90        1.34408
         503971.98    3633575.90        1.27207                    504021.98
3633575.90        1.25652
         504071.98    3633575.90        1.22513                    504121.98
3633575.90        1.26721
         504171.98    3633575.90        1.27990                    504221.98
3633575.90        1.30401
         504271.98    3633575.90        1.14125                    504321.98
3633575.90        1.00207
         504371.98    3633575.90        0.96037                    504421.98
3633575.90        0.92363
         504471.98    3633575.90        0.92695                    504521.98
3633575.90        0.97015
         504571.98    3633575.90        1.01835                    504621.98
3633575.90        1.00689
         504671.98    3633575.90        0.99498                    504721.98
3633575.90        0.98540
         502721.98    3633625.90        1.08344                    502771.98
3633625.90        1.13688
         502821.98    3633625.90        1.19359                    502871.98
3633625.90        1.25398
         502921.98    3633625.90        1.31787                    502971.98
3633625.90        1.38576
         503021.98    3633625.90        1.45703                    503071.98
3633625.90        1.53113
         503121.98    3633625.90        1.60830                    503171.98
3633625.90        1.68884
         503221.98    3633625.90        1.77146                    503271.98
3633625.90        1.85458
```

```
         503321.98    3633625.90        1.93653                       503371.98
3633625.90        1.94420
         503421.98    3633625.90        1.80070                       503471.98
3633625.90        1.77677
         503521.98    3633625.90        1.81715                       503621.98
3633625.90        1.67301
         503671.98    3633625.90        1.59777                       503721.98
3633625.90        1.67075
         503771.98    3633625.90        1.50365                       503821.98
3633625.90        1.48883
         503871.98    3633625.90        1.54127                       503921.98
3633625.90        1.51091
         503971.98    3633625.90        1.50218                       504021.98
3633625.90        1.44718
         504071.98    3633625.90        1.40826                       504121.98
3633625.90        1.47832
         504171.98    3633625.90        1.49467                       504221.98
3633625.90        1.46037
         504271.98    3633625.90        1.30758                       504321.98
3633625.90        1.18210
         504371.98    3633625.90        1.08546                       504421.98
3633625.90        1.04282
         504471.98    3633625.90        1.04179                       504521.98
3633625.90        1.11517
         504571.98    3633625.90        1.12931                       504621.98
3633625.90        1.10993
         504671.98    3633625.90        1.11591                       504721.98
3633625.90        1.08254
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                   PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633675.90	1.12486	502771.98	3633675.90	1.18292
502821.98	3633675.90	1.24478	502871.98	3633675.90	1.31098
502921.98	3633675.90	1.38226	502971.98	3633675.90	1.45754
503021.98	3633675.90	1.53729	503071.98	3633675.90	1.62077
503121.98	3633675.90	1.70889	503171.98	3633675.90	1.80115
503221.98	3633675.90	1.89691	503271.98	3633675.90	1.99475
503321.98	3633675.90	2.09264	503371.98	3633675.90	2.19110
503421.98	3633675.90	2.28685	503471.98	3633675.90	2.27258
503521.98	3633675.90	2.23616	503571.98	3633675.90	1.85285
503671.98	3633675.90	1.80750	503721.98	3633675.90	1.85207
503771.98	3633675.90	1.83855	503821.98	3633675.90	1.78775
503871.98	3633675.90	1.75061	503921.98	3633675.90	1.75240
503971.98	3633675.90	1.71638	504021.98	3633675.90	1.67070
504071.98	3633675.90	1.67159	504121.98	3633675.90	1.71220
504171.98	3633675.90	1.73400	504221.98	3633675.90	1.70479
504271.98	3633675.90	1.55955	504321.98	3633675.90	1.37118
504371.98	3633675.90	1.24023	504421.98	3633675.90	1.19725
504471.98	3633675.90	1.23624	504521.98	3633675.90	1.27569
504571.98	3633675.90	1.25538	504621.98	3633675.90	1.23956
504671.98	3633675.90	1.21885	504721.98	3633675.90	1.19721
502721.98	3633725.90	1.16718	502771.98	3633725.90	1.23050
502821.98	3633725.90	1.29793	502871.98		

```
3633725.90        1.37097
         502921.98    3633725.90        1.45019                          502971.98
3633725.90        1.53357
         503021.98    3633725.90        1.62143                          503071.98
3633725.90        1.71670
         503121.98    3633725.90        1.81707                          503171.98
3633725.90        1.92299
         503221.98    3633725.90        2.03419                          503271.98
3633725.90        2.14902
         503321.98    3633725.90        2.26662                          503371.98
3633725.90        2.38510
         503421.98    3633725.90        2.50252                          503471.98
3633725.90        2.61127
         503521.98    3633725.90        2.67252                          503571.98
3633725.90        2.49139
         503721.98    3633725.90        2.23784                          503771.98
3633725.90        2.12689
         503821.98    3633725.90        2.11370                          503871.98
3633725.90        2.04517
         503921.98    3633725.90        2.02500                          503971.98
3633725.90        1.94415
         504021.98    3633725.90        1.91222                          504071.98
3633725.90        1.92319
         504121.98    3633725.90        2.01491                          504171.98
3633725.90        1.99552
         504221.98    3633725.90        1.93464                          504271.98
3633725.90        1.91420
         504321.98    3633725.90        1.63264                          504371.98
3633725.90        1.46829
         504421.98    3633725.90        1.42318                          504471.98
3633725.90        1.44872
         504521.98    3633725.90        1.43947                          504571.98
3633725.90        1.40381
         504621.98    3633725.90        1.42868                          504671.98
3633725.90        1.38262
         504721.98    3633725.90        1.32068                          502721.98
3633775.90        1.20988
```


*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010

```
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         502771.98    3633775.90        1.27876                       502821.98
3633775.90        1.35279
         502871.98    3633775.90        1.43266                       502921.98
3633775.90        1.51984
         502971.98    3633775.90        1.61320                       503021.98
3633775.90        1.71255
         503071.98    3633775.90        1.81919                       503121.98
3633775.90        1.93333
         503171.98    3633775.90        2.05510                       503221.98
3633775.90        2.18389
         503271.98    3633775.90        2.31923                       503321.98
3633775.90        2.45911
         503371.98    3633775.90        2.60182                       503421.98
3633775.90        2.74504
         503471.98    3633775.90        2.88524                       503771.98
3633775.90        2.48501
         503821.98    3633775.90        2.45220                       503871.98
3633775.90        2.43156
         503921.98    3633775.90        2.31069                       503971.98
3633775.90        2.22062
         504021.98    3633775.90        2.20902                       504071.98
3633775.90        2.41633
         504121.98    3633775.90        2.38935                       504171.98
3633775.90        2.37040
         504221.98    3633775.90        2.28958                       504271.98
3633775.90        2.17920
         504321.98    3633775.90        1.93089                       504371.98
3633775.90        1.78936
         504421.98    3633775.90        1.73652                       504471.98
3633775.90        1.65194
         504521.98    3633775.90        1.70396                       504571.98
3633775.90        1.75882
         504621.98    3633775.90        1.67943                       504671.98
3633775.90        1.58011
```

```
         504721.98    3633775.90        1.49125                        502721.98
3633825.90        1.25319
         502771.98    3633825.90        1.32771                        502821.98
3633825.90        1.40868
         502871.98    3633825.90        1.49631                        502921.98
3633825.90        1.59266
         502971.98    3633825.90        1.69599                        503021.98
3633825.90        1.80735
         503071.98    3633825.90        1.92796                        503121.98
3633825.90        2.05818
         503171.98    3633825.90        2.19857                        503221.98
3633825.90        2.34861
         503271.98    3633825.90        2.50783                        503771.98
3633825.90        3.06558
         503821.98    3633825.90        3.05341                        503871.98
3633825.90        2.87978
         503921.98    3633825.90        2.66900                        503971.98
3633825.90        2.61558
         504021.98    3633825.90        2.86418                        504071.98
3633825.90        2.81819
         504121.98    3633825.90        2.80601                        504171.98
3633825.90        2.82513
         504221.98    3633825.90        2.72088                        504271.98
3633825.90        2.62901
         504321.98    3633825.90        2.51590                        504371.98
3633825.90        2.35886
         504421.98    3633825.90        2.17818                        504471.98
3633825.90        2.08152
         504521.98    3633825.90        2.05373                        504571.98
3633825.90        2.06243
         504621.98    3633825.90        1.91308                        504671.98
3633825.90        1.77773
         504721.98    3633825.90        1.70122                        502721.98
3633875.90        1.29611
         502771.98    3633875.90        1.37688                        502821.98
3633875.90        1.46481
         502871.98    3633875.90        1.56056                        502921.98
3633875.90        1.66726
         502971.98    3633875.90        1.78163                        503021.98
3633875.90        1.90657
         503071.98    3633875.90        2.04311                        503121.98
3633875.90        2.19121
         503171.98    3633875.90        2.35273                        503221.98
3633875.90        2.52760
         503271.98    3633875.90        2.71553                        503821.98
3633875.90        3.59817
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:32:02
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503871.98	3633875.90	3.34130	503921.98	3633875.90	3.24332
503971.98	3633875.90	3.51697	504021.98	3633875.90	3.46215
504071.98	3633875.90	3.31123	504121.98	3633875.90	3.36417
504171.98	3633875.90	3.26495	504221.98	3633875.90	3.17623
504271.98	3633875.90	3.06116	504321.98	3633875.90	2.86946
504371.98	3633875.90	2.73032	504421.98	3633875.90	2.55160
504471.98	3633875.90	2.46542	504521.98	3633875.90	2.47024
504571.98	3633875.90	2.37671	504621.98	3633875.90	2.21241
504671.98	3633875.90	1.92421	504721.98	3633875.90	1.84850
502721.98	3633925.90	1.33851	502771.98	3633925.90	1.42521
502821.98	3633925.90	1.52059	502871.98	3633925.90	1.62601
502921.98	3633925.90	1.74246	502971.98	3633925.90	1.86868
503021.98	3633925.90	2.00850	503071.98		

3633925.90 2.16259
503121.98 3633925.90 2.33174 503171.98
3633925.90 2.51757
503221.98 3633925.90 2.72100 503271.98
3633925.90 2.94337
503821.98 3633925.90 4.39036 503871.98
3633925.90 4.21113
503921.98 3633925.90 4.22356 503971.98
3633925.90 4.44585
504021.98 3633925.90 4.18574 504071.98
3633925.90 4.10818
504121.98 3633925.90 3.95850 504171.98
3633925.90 3.89551
504221.98 3633925.90 3.80595 504271.98
3633925.90 3.64146
504321.98 3633925.90 3.51293 504371.98
3633925.90 3.28801
504421.98 3633925.90 3.15541 504471.98
3633925.90 2.97933
504521.98 3633925.90 2.78087 504571.98
3633925.90 2.49572
504621.98 3633925.90 2.27273 504671.98
3633925.90 2.10016
504721.98 3633925.90 1.94148 502721.98
3633975.90 1.38030
502771.98 3633975.90 1.47288 502821.98
3633975.90 1.57513
502871.98 3633975.90 1.69056 502921.98
3633975.90 1.81766
502971.98 3633975.90 1.95681 503021.98
3633975.90 2.11260
503071.98 3633975.90 2.28567 503121.98
3633975.90 2.47818
503171.98 3633975.90 2.69207 503221.98
3633975.90 2.92964
503271.98 3633975.90 3.19279 503821.98
3633975.90 5.42954
503871.98 3633975.90 5.35249 503921.98
3633975.90 5.93694
503971.98 3633975.90 5.47851 504021.98
3633975.90 5.17073
504071.98 3633975.90 4.93327 504121.98
3633975.90 4.82735
504171.98 3633975.90 4.66964 504221.98
3633975.90 4.43217
504271.98 3633975.90 4.24208 504321.98
3633975.90 4.09299
504371.98 3633975.90 3.79230 504421.98
3633975.90 3.58784
504471.98 3633975.90 3.18995 504521.98

```
3633975.90        2.78200
         504571.98    3633975.90        2.55443                      504621.98
3633975.90        2.33777
         504671.98    3633975.90        2.11331                      504721.98
3633975.90        1.88050
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502721.98    3634025.90        1.42231                      502771.98
3634025.90        1.52199
         502821.98    3634025.90        1.63141                      502871.98
3634025.90        1.75402
         502921.98    3634025.90        1.89073                      502971.98
3634025.90        2.04460
         503021.98    3634025.90        2.21816                      503071.98
3634025.90        2.41095
         503121.98    3634025.90        2.62898                      503171.98
3634025.90        2.87472
         503221.98    3634025.90        3.15133                      503271.98
3634025.90        3.46252
         503871.98    3634025.90        7.30049                      503921.98
3634025.90        7.27002
         503971.98    3634025.90        6.64825                      504021.98
3634025.90        6.39329
```

504071.98 3634025.90 6.04889 504121.98
3634025.90 5.80447
504171.98 3634025.90 5.47121 504221.98
3634025.90 5.23123
504271.98 3634025.90 4.94198 504321.98
3634025.90 4.67849
504371.98 3634025.90 4.27712 504421.98
3634025.90 3.65350
504471.98 3634025.90 3.22965 504521.98
3634025.90 2.92564
504571.98 3634025.90 2.61616 504621.98
3634025.90 2.27899
504671.98 3634025.90 2.03293 504721.98
3634025.90 1.82931
502721.98 3634075.90 1.46168 502771.98
3634075.90 1.56537
502821.98 3634075.90 1.68277 502871.98
3634075.90 1.81565
502921.98 3634075.90 1.96385 502971.98
3634075.90 2.13084
503021.98 3634075.90 2.32173 503071.98
3634075.90 2.53715
503121.98 3634075.90 2.78235 503171.98
3634075.90 3.06283
503221.98 3634075.90 3.38323 503271.98
3634075.90 3.75066
503871.98 3634075.90 9.18405 503921.98
3634075.90 8.90985
503971.98 3634075.90 8.49458 504021.98
3634075.90 7.79284
504071.98 3634075.90 7.35458 504121.98
3634075.90 6.96425
504171.98 3634075.90 6.57651 504221.98
3634075.90 6.20788
504271.98 3634075.90 5.82584 504321.98
3634075.90 5.28110
504371.98 3634075.90 4.51329 504421.98
3634075.90 3.91356
504471.98 3634075.90 3.36832 504521.98
3634075.90 2.87554
504571.98 3634075.90 2.48570 504621.98
3634075.90 2.13712
504671.98 3634075.90 1.94559 504721.98
3634075.90 1.80527
502721.98 3634125.90 1.49851 502771.98
3634125.90 1.60727
502821.98 3634125.90 1.73218 502871.98
3634125.90 1.87442
502921.98 3634125.90 2.03301 502971.98
3634125.90 2.21401

```
         503021.98    3634125.90        2.42252                       503071.98
3634125.90        2.66011
         503121.98    3634125.90        2.93459                       503171.98
3634125.90        3.25290
         503221.98    3634125.90        3.61947                       503271.98
3634125.90        4.05229
         503921.98    3634125.90       11.22937                       503971.98
3634125.90       10.57880
         504021.98    3634125.90        9.82841                       504071.98
3634125.90        9.09360
         504121.98    3634125.90        8.49122                       504171.98
3634125.90        7.92433
         504221.98    3634125.90        7.35259                       504271.98
3634125.90        6.70313
```



```
                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         504321.98    3634125.90        5.91047                       504371.98
3634125.90        5.03944
         504421.98    3634125.90        4.15255                       504471.98
3634125.90        3.26489
         504521.98    3634125.90        2.80729                       504571.98
3634125.90        2.40464
         504621.98    3634125.90        2.10944                       504671.98
```

3634125.90 1.94127
504721.98 3634125.90 1.76759 502721.98
3634175.90 1.52934
502771.98 3634175.90 1.64599 502821.98
3634175.90 1.77862
502871.98 3634175.90 1.92918 502921.98
3634175.90 2.09819
502971.98 3634175.90 2.29259 503021.98
3634175.90 2.51866
503071.98 3634175.90 2.77786 503121.98
3634175.90 3.08074
503171.98 3634175.90 3.43512 503221.98
3634175.90 3.85062
503271.98 3634175.90 4.35129 503971.98
3634175.90 13.54964
504021.98 3634175.90 12.35390 504071.98
3634175.90 11.13759
504121.98 3634175.90 10.14349 504171.98
3634175.90 9.04990
504221.98 3634175.90 8.46419 504271.98
3634175.90 7.59094
504321.98 3634175.90 6.68308 504371.98
3634175.90 4.92888
504421.98 3634175.90 3.57389 504471.98
3634175.90 3.12623
504521.98 3634175.90 2.73369 504571.98
3634175.90 2.29584
504621.98 3634175.90 2.00703 504671.98
3634175.90 1.80740
504721.98 3634175.90 1.60911 502721.98
3634225.90 1.55894
502771.98 3634225.90 1.68231 502821.98
3634225.90 1.82197
502871.98 3634225.90 1.97983 502921.98
3634225.90 2.15815
502971.98 3634225.90 2.36502 503021.98
3634225.90 2.60722
503071.98 3634225.90 2.88783 503121.98
3634225.90 3.21849
503171.98 3634225.90 3.61010 503221.98
3634225.90 4.08057
503271.98 3634225.90 4.65481 504071.98
3634225.90 13.79846
504121.98 3634225.90 11.93989 504171.98
3634225.90 10.46900
504221.98 3634225.90 9.02107 504271.98
3634225.90 8.26644
504321.98 3634225.90 7.11218 504371.98
3634225.90 4.83046
504421.98 3634225.90 3.49754 504471.98

3634225.90   3.05564
         504521.98   3634225.90   2.65109   504571.98
3634225.90   2.24073
         504621.98   3634225.90   1.92510   504671.98
3634225.90   1.68395
         504721.98   3634225.90   1.49010   502721.98
3634275.90   1.58592
         502771.98   3634275.90   1.71257   502821.98
3634275.90   1.85819
         502871.98   3634275.90   2.02612   502921.98
3634275.90   2.21234
         502971.98   3634275.90   2.42875   503021.98
3634275.90   2.68691
         503071.98   3634275.90   2.98702   503121.98
3634275.90   3.34341
         503171.98   3634275.90   3.77297   503221.98
3634275.90   4.29504
         503271.98   3634275.90   4.94505   504121.98
3634275.90   14.00489
         504171.98   3634275.90   11.64800   504221.98
3634275.90   10.24186
         504271.98   3634275.90   8.65536   504321.98
3634275.90   7.14879

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         504621.98    3634375.90        1.64753                        504671.98
3634375.90        1.47186
         504721.98    3634375.90        1.33417                        502721.98
3634425.90        1.62678
         502771.98    3634425.90        1.76129                        502821.98
3634425.90        1.91449
         504271.98    3634425.90        8.52281                        504321.98
3634425.90        7.15879
         504371.98    3634425.90        5.50470                        504421.98
3634425.90        3.62445
         504471.98    3634425.90        2.67992                        504521.98
3634425.90        2.21342
         504571.98    3634425.90        1.95295                        504621.98
3634425.90        1.74907
         504671.98    3634425.90        1.55353                        504721.98
3634425.90        1.38245
         502721.98    3634475.90        1.64156                        502771.98
3634475.90        1.78101
         502821.98    3634475.90        1.93813                        504321.98
3634475.90        6.92261
         504371.98    3634475.90        5.90085                        504421.98
3634475.90        4.75364
         504471.98    3634475.90        3.36223                        504521.98
3634475.90        2.67443
         504571.98    3634475.90        2.32179                        504621.98
3634475.90        2.06028
         504671.98    3634475.90        1.73866                        504721.98
3634475.90        1.49165
         502721.98    3634525.90        1.64596                        502771.98
3634525.90        1.78215
         504371.98    3634525.90        5.69953                        504421.98
3634525.90        4.92153
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                   PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504471.98	3634525.90	4.31871	504521.98	3634525.90	3.66819
504571.98	3634525.90	3.12781	504621.98	3634525.90	2.60254
504671.98	3634525.90	2.03352	504721.98	3634525.90	1.68083
502721.98	3634575.90	1.64038	502771.98	3634575.90	1.77609
504421.98	3634575.90	4.77743	504471.98	3634575.90	4.17830
504521.98	3634575.90	3.70810	504571.98	3634575.90	3.35964
504621.98	3634575.90	2.93304	504671.98	3634575.90	2.43170
504721.98	3634575.90	2.00665	502721.98	3634625.90	1.62856
502771.98	3634625.90	1.76087	502821.98	3634625.90	1.91309
502871.98	3634625.90	2.08524	502921.98	3634625.90	2.28288
502971.98	3634625.90	2.51290	503021.98	3634625.90	2.78219
503071.98	3634625.90	3.10006	503121.98	3634625.90	3.47838
504471.98	3634625.90	4.04023	504521.98	3634625.90	3.58399
504571.98	3634625.90	3.21432	504621.98	3634625.90	2.94766
504671.98	3634625.90	2.68276	504721.98	3634625.90	2.38061
502721.98	3634675.90	1.61055	502771.98	3634675.90	1.73938
502821.98	3634675.90	1.88591	502871.98	3634675.90	2.05172
502921.98	3634675.90	2.24146	502971.98	3634675.90	2.46094
503021.98	3634675.90	2.71510	503071.98	3634675.90	3.01289
503121.98	3634675.90	3.36730	503171.98		

3634675.90   3.78686
         503221.98   3634675.90   4.29622   503271.98
3634675.90   4.91565
         503321.98   3634675.90   5.68659   503371.98
3634675.90   6.65731
         503421.98   3634675.90   7.89090   503471.98
3634675.90   9.45393
         503521.98   3634675.90   11.47234   504521.98
3634675.90   3.45861
         504571.98   3634675.90   3.10632   504621.98
3634675.90   2.81559
         504671.98   3634675.90   2.57461   504721.98
3634675.90   2.37720
         502721.98   3634725.90   1.58596   502771.98
3634725.90   1.70963
         502821.98   3634725.90   1.84908   502871.98
3634725.90   2.00724
         502921.98   3634725.90   2.18707   502971.98
3634725.90   2.39322
         503021.98   3634725.90   2.63110   503071.98
3634725.90   2.90708
         503121.98   3634725.90   3.23158   503171.98
3634725.90   3.61307
         503221.98   3634725.90   4.06966   503271.98
3634725.90   4.61597
         503321.98   3634725.90   5.28099   503371.98
3634725.90   6.09214
         503421.98   3634725.90   7.08406   503471.98
3634725.90   8.27657
         503521.98   3634725.90   9.73940   503571.98
3634725.90   11.50296
         503621.98   3634725.90   13.39112   504571.98
3634725.90   2.98938
         504621.98   3634725.90   2.70933   504671.98
3634725.90   2.47555
         504721.98   3634725.90   2.28445   502721.98
3634775.90   1.55543
         502771.98   3634775.90   1.67280   502821.98
3634775.90   1.80520
         502871.98   3634775.90   1.95402   502921.98
3634775.90   2.12259

VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502971.98	3634775.90	2.31467	503021.98	3634775.90	2.53462
503071.98	3634775.90	2.78816	503121.98	3634775.90	3.08214
503171.98	3634775.90	3.42511	503221.98	3634775.90	3.82770
503271.98	3634775.90	4.30264	503321.98	3634775.90	4.86672
503371.98	3634775.90	5.53651	503421.98	3634775.90	6.32962
503471.98	3634775.90	7.24226	503521.98	3634775.90	8.30329
503571.98	3634775.90	9.47909	503621.98	3634775.90	10.70743
503671.98	3634775.90	11.88273	503721.98	3634775.90	12.90402
503771.98	3634775.90	13.62633	503821.98	3634775.90	13.84085
504621.98	3634775.90	2.60614	504671.98	3634775.90	2.38382
504721.98	3634775.90	2.19951	502721.98	3634825.90	1.51963
502771.98	3634825.90	1.63112	502821.98	3634825.90	1.75532
502871.98	3634825.90	1.89462	502921.98	3634825.90	2.05121
502971.98	3634825.90	2.22896	503021.98	3634825.90	2.43072
503071.98	3634825.90	2.66172	503121.98	3634825.90	2.92661

503171.98 3634825.90 3.23152 503221.98
3634825.90 3.58446
503271.98 3634825.90 3.99405 503321.98
3634825.90 4.46988
503371.98 3634825.90 5.01491 503421.98
3634825.90 5.63446
503471.98 3634825.90 6.33083 503521.98
3634825.90 7.09887
503571.98 3634825.90 7.91634 503621.98
3634825.90 8.71933
503671.98 3634825.90 9.45900 503721.98
3634825.90 10.06728
503771.98 3634825.90 10.47737 503821.98
3634825.90 10.62045
503871.98 3634825.90 10.47705 503921.98
3634825.90 10.07736
504671.98 3634825.90 2.29172 504721.98
3634825.90 2.11332
502721.98 3634875.90 1.48003 502771.98
3634875.90 1.58491
502821.98 3634875.90 1.70126 502871.98
3634875.90 1.83090
502921.98 3634875.90 1.97626 502971.98
3634875.90 2.13962
503021.98 3634875.90 2.32393 503071.98
3634875.90 2.53305
503121.98 3634875.90 2.77042 503171.98
3634875.90 3.03978
503221.98 3634875.90 3.34825 503271.98
3634875.90 3.69807
503321.98 3634875.90 4.09150 503371.98
3634875.90 4.53568
503421.98 3634875.90 5.02517 503471.98
3634875.90 5.55154
503521.98 3634875.90 6.11329 503571.98
3634875.90 6.68287
503621.98 3634875.90 7.23341 503671.98
3634875.90 7.71932
503721.98 3634875.90 8.09798 503771.98
3634875.90 8.34326
503821.98 3634875.90 8.42722 503871.98
3634875.90 8.36427
503921.98 3634875.90 8.37516 504721.98
3634875.90 2.03137
502721.98 3634925.90 1.43800 502771.98
3634925.90 1.53607
502821.98 3634925.90 1.64476 502871.98
3634925.90 1.76503
502921.98 3634925.90 1.89941 502971.98
3634925.90 2.04927

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503021.98	3634925.90	2.21711	503071.98	3634925.90	2.40557
503121.98	3634925.90	2.61724	503171.98	3634925.90	2.85511
503221.98	3634925.90	3.12116	503271.98	3634925.90	3.41744
503321.98	3634925.90	3.74522	503371.98	3634925.90	4.10346
503421.98	3634925.90	4.48779	503471.98	3634925.90	4.89244
503521.98	3634925.90	5.30758	503571.98	3634925.90	5.71827
503621.98	3634925.90	6.10417	503671.98	3634925.90	6.43589
503721.98	3634925.90	6.62571	503771.98	3634925.90	6.81076
503821.98	3634925.90	6.99643	503871.98	3634925.90	7.12185
502721.98	3634975.90	1.39447	502771.98	3634975.90	1.48591
502821.98	3634975.90	1.58707	502871.98		

3634975.90 1.69881
502921.98 3634975.90 1.82214 502971.98
3634975.90 1.95920
503021.98 3634975.90 2.11168 503071.98
3634975.90 2.28097
503121.98 3634975.90 2.46868 503171.98
3634975.90 2.67599
503221.98 3634975.90 2.90524 503271.98
3634975.90 3.15762
503321.98 3634975.90 3.43002 503371.98
3634975.90 3.72045
503421.98 3634975.90 4.02014 503471.98
3634975.90 4.33374
503521.98 3634975.90 4.64379 503571.98
3634975.90 4.94626
503621.98 3634975.90 5.22523 503671.98
3634975.90 5.46101
503721.98 3634975.90 5.55915 503771.98
3634975.90 5.80752
503821.98 3634975.90 5.95618 503871.98
3634975.90 5.82481
502721.98 3635025.90 1.35023 502771.98
3635025.90 1.43586
502821.98 3635025.90 1.52968 502871.98
3635025.90 1.63277
502921.98 3635025.90 1.74632 502971.98
3635025.90 1.87131
503021.98 3635025.90 2.00889 503071.98
3635025.90 2.15987
503121.98 3635025.90 2.32564 503171.98
3635025.90 2.50738
503221.98 3635025.90 2.70396 503271.98
3635025.90 2.91523
503321.98 3635025.90 3.13963 503371.98
3635025.90 3.37398
503421.98 3635025.90 3.61305 503471.98
3635025.90 3.85663
503521.98 3635025.90 4.09479 503571.98
3635025.90 4.32025
503621.98 3635025.90 4.52331 503671.98
3635025.90 4.67502
503721.98 3635025.90 4.82486 503771.98
3635025.90 4.98929
503821.98 3635025.90 5.09736 504371.98
3635025.90 2.94300
502721.98 3635075.90 1.30599 502771.98
3635075.90 1.38557
502821.98 3635075.90 1.47251 502871.98
3635075.90 1.56790
502921.98 3635075.90 1.67177 502971.98

3635075.90   1.78513
         503021.98   3635075.90   1.90916   503071.98
3635075.90   2.04354
         503121.98   3635075.90   2.18936   503171.98
3635075.90   2.34684
         503221.98   3635075.90   2.51452   503271.98
3635075.90   2.69196
         503321.98   3635075.90   2.87705   503371.98
3635075.90   3.06755

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         503421.98   3635075.90   3.26041   503471.98
3635075.90   3.45161
         503521.98   3635075.90   3.63609   503571.98
3635075.90   3.80823
         503621.98   3635075.90   3.96116   503671.98
3635075.90   4.05994
         503721.98   3635075.90   4.17742   503771.98
3635075.90   4.33624
         503821.98   3635075.90   4.34557   504371.98
3635075.90   2.71571
         504421.98   3635075.90   2.53916   504471.98
3635075.90   2.37235

504521.98 3635075.90 2.22063 502721.98 3635125.90 1.26206
502771.98 3635125.90 1.33604 502821.98 3635125.90 1.41640
502871.98 3635125.90 1.50403 502921.98 3635125.90 1.59937
502971.98 3635125.90 1.70211 503021.98 3635125.90 1.81298
503071.98 3635125.90 1.93195 503121.98 3635125.90 2.05960
503171.98 3635125.90 2.19547 503221.98 3635125.90 2.33778
503271.98 3635125.90 2.48720 503321.98 3635125.90 2.64001
503371.98 3635125.90 2.79541 503421.98 3635125.90 2.95183
503471.98 3635125.90 3.10340 503521.98 3635125.90 3.24809
503571.98 3635125.90 3.36552 503621.98 3635125.90 3.48738
503671.98 3635125.90 3.55209 503721.98 3635125.90 3.72233
503771.98 3635125.90 3.82729 503821.98 3635125.90 3.81873
504371.98 3635125.90 2.51028 504421.98 3635125.90 2.35902
504471.98 3635125.90 2.21805 504521.98 3635125.90 2.08433
504571.98 3635125.90 1.95954 502721.98 3635175.90 1.21892
502771.98 3635175.90 1.28736 502821.98 3635175.90 1.36149
502871.98 3635175.90 1.44146 502921.98 3635175.90 1.52865
502971.98 3635175.90 1.62129 503021.98 3635175.90 1.71997
503071.98 3635175.90 1.82529 503121.98 3635175.90 1.93703
503171.98 3635175.90 2.05436 503221.98 3635175.90 2.17552
503271.98 3635175.90 2.30115 503321.98 3635175.90 2.42775
503371.98 3635175.90 2.55562 503421.98 3635175.90 2.68385
503471.98 3635175.90 2.80261 503521.98 3635175.90 2.91886
503571.98 3635175.90 2.99558 503621.98 3635175.90 3.08490
503671.98 3635175.90 3.17788 503721.98 3635175.90 3.32776

```
         503771.98    3635175.90        3.34498                      503821.98
3635175.90        3.18236
         504371.98    3635175.90        2.32270                      504421.98
3635175.90        2.19565
         504471.98    3635175.90        2.07480                      504521.98
3635175.90        1.95839
         504571.98    3635175.90        1.84684                      504621.98
3635175.90        1.74650
         502721.98    3635225.90        1.17664                      502771.98
3635225.90        1.24040
         502821.98    3635225.90        1.30871                      502871.98
3635225.90        1.38173
         502921.98    3635225.90        1.45980                      502971.98
3635225.90        1.54310
         503021.98    3635225.90        1.63134                      503071.98
3635225.90        1.72441
         503121.98    3635225.90        1.82198                      503171.98
3635225.90        1.92325
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         503221.98    3635225.90        2.02741                      503271.98
3635225.90        2.13348
         503321.98    3635225.90        2.24010                      503371.98
```

3635225.90 2.34590
503421.98 3635225.90 2.44952 503471.98
3635225.90 2.54859
503521.98 3635225.90 2.63837 503571.98
3635225.90 2.69330
503621.98 3635225.90 2.78367 503671.98
3635225.90 2.90086
504371.98 3635225.90 2.15288 504421.98
3635225.90 2.04690
504471.98 3635225.90 1.94275 504521.98
3635225.90 1.84167
504571.98 3635225.90 1.74390 504621.98
3635225.90 1.65206
502721.98 3635275.90 1.13499 502771.98
3635275.90 1.19342
502821.98 3635275.90 1.25595 502871.98
3635275.90 1.32280
502921.98 3635275.90 1.39314 502971.98
3635275.90 1.46791
503021.98 3635275.90 1.54583 503071.98
3635275.90 1.62746
503121.98 3635275.90 1.71216 503171.98
3635275.90 1.79928
503221.98 3635275.90 1.89011 503271.98
3635275.90 1.97959
503321.98 3635275.90 2.06925 503371.98
3635275.90 2.15688
503421.98 3635275.90 2.24300 503471.98
3635275.90 2.32476
503521.98 3635275.90 2.40152 503571.98
3635275.90 2.45840
503621.98 3635275.90 2.50711 504371.98
3635275.90 1.99724
504421.98 3635275.90 1.91303 504471.98
3635275.90 1.81915
504521.98 3635275.90 1.73218 504571.98
3635275.90 1.64746
504621.98 3635275.90 1.56588 504671.98
3635275.90 1.48882
502721.98 3635325.90 1.09433 502771.98
3635325.90 1.14811
502821.98 3635325.90 1.20527 502871.98
3635325.90 1.26574
502921.98 3635325.90 1.32909 502971.98
3635325.90 1.39644
503021.98 3635325.90 1.46516 503071.98
3635325.90 1.53700
503121.98 3635325.90 1.61065 503171.98
3635325.90 1.68599
503221.98 3635325.90 1.76438 503271.98

```
3635325.90        1.84039
         503321.98    3635325.90        1.91582                          503371.98
3635325.90        1.98925
         503421.98    3635325.90        2.06072                          503471.98
3635325.90        2.12866
         503521.98    3635325.90        2.19265                          503571.98
3635325.90        2.24726
         503621.98    3635325.90        2.27400                          504371.98
3635325.90        1.86730
         504421.98    3635325.90        1.78619                          504471.98
3635325.90        1.70591
         504521.98    3635325.90        1.62979                          504571.98
3635325.90        1.55646
         504621.98    3635325.90        1.48513                          504671.98
3635325.90        1.41835
         504721.98    3635325.90        1.34972                          502721.98
3635375.90        1.05222
         502771.98    3635375.90        1.07732                          502821.98
3635375.90        1.12523
         502871.98    3635375.90        1.17847                          502921.98
3635375.90        1.23942
         502971.98    3635375.90        1.32543                          503021.98
3635375.90        1.36711
         503071.98    3635375.90        1.42399                          503121.98
3635375.90        1.51126
         503171.98    3635375.90        1.58097                          503221.98
3635375.90        1.64940
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                   PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503271.98	3635375.90	1.71433	503321.98	3635375.90	1.77817
503371.98	3635375.90	1.84039	503421.98	3635375.90	1.90063
503471.98	3635375.90	1.95773	503521.98	3635375.90	2.01063
503571.98	3635375.90	2.05621	503621.98	3635375.90	2.08972
503671.98	3635375.90	2.13386	503721.98	3635375.90	2.23217
504371.98	3635375.90	1.73964	504421.98	3635375.90	1.66843
504471.98	3635375.90	1.60034	504521.98	3635375.90	1.53499
504571.98	3635375.90	1.47083	504621.98	3635375.90	1.41050
504671.98	3635375.90	1.35209	504721.98	3635375.90	1.28901
502721.98	3635425.90	0.99938	502771.98	3635425.90	1.03113
502821.98	3635425.90	1.07556	502871.98	3635425.90	1.12406
502921.98	3635425.90	1.17637	502971.98	3635425.90	1.23254
503021.98	3635425.90	1.28848	503071.98	3635425.90	1.34585
503121.98	3635425.90	1.42606	503171.98	3635425.90	1.48412
503221.98	3635425.90	1.54293	503271.98	3635425.90	1.58788
503321.98	3635425.90	1.64632	503371.98	3635425.90	1.70483
503421.98	3635425.90	1.75673	503471.98	3635425.90	1.80201
503521.98	3635425.90	1.84208	503571.98	3635425.90	1.87911
503621.98	3635425.90	1.91058	503671.98	3635425.90	1.95576
503721.98	3635425.90	2.00544	503771.98	3635425.90	2.05266
503821.98	3635425.90	2.09905	504371.98	3635425.90	1.63293
504421.98	3635425.90	1.58050	504471.98	3635425.90	1.51646

```
         504521.98    3635425.90        1.44720                        504571.98
3635425.90        1.39087
         504621.98    3635425.90        1.34112                        504671.98
3635425.90        1.28902
         504721.98    3635425.90        1.23523                        502721.98
3635475.90        0.95318
         502771.98    3635475.90        0.98991                        502821.98
3635475.90        1.03235
         502871.98    3635475.90        1.07717                        502921.98
3635475.90        1.12675
         502971.98    3635475.90        1.17342                        503021.98
3635475.90        1.22346
         503071.98    3635475.90        1.27835                        503121.98
3635475.90        1.34619
         503171.98    3635475.90        1.39557                        503221.98
3635475.90        1.43903
         503271.98    3635475.90        1.48135                        503321.98
3635475.90        1.52830
         503371.98    3635475.90        1.57845                        503421.98
3635475.90        1.62468
         503471.98    3635475.90        1.66338                        503521.98
3635475.90        1.69980
         503571.98    3635475.90        1.73013                        503621.98
3635475.90        1.75886
         503671.98    3635475.90        1.78555                        503721.98
3635475.90        1.81208
         503771.98    3635475.90        1.86744                        503821.98
3635475.90        1.88815
         503871.98    3635475.90        1.90074                        503921.98
3635475.90        1.92162
         504371.98    3635475.90        1.51073                        504421.98
3635475.90        1.46352
         504471.98    3635475.90        1.42238                        504521.98
3635475.90        1.36506
         504571.98    3635475.90        1.32015                        504621.98
3635475.90        1.27594
↟ *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                   PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
```

L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504671.98	3635475.90	1.23022	504721.98	3635475.90	1.20017
502221.98	3632975.90	0.50282	502271.98	3632975.90	0.51689
502321.98	3632975.90	0.53145	502371.98	3632975.90	0.54648
502421.98	3632975.90	0.56195	502471.98	3632975.90	0.57784
502521.98	3632975.90	0.59400	502571.98	3632975.90	0.61068
502621.98	3632975.90	0.62770	502671.98	3632975.90	0.64493
502721.98	3632975.90	0.66233	502771.98	3632975.90	0.67878
502821.98	3632975.90	0.59122	502871.98	3632975.90	0.51504
502921.98	3632975.90	0.52462	502971.98	3632975.90	0.37834
503021.98	3632975.90	0.38291	503071.98	3632975.90	0.44869
503121.98	3632975.90	0.52526	503171.98	3632975.90	0.59184
503221.98	3632975.90	0.62685	503271.98	3632975.90	0.63681
503321.98	3632975.90	0.63676	503371.98	3632975.90	0.64332
503421.98	3632975.90	0.62011	503471.98	3632975.90	0.61312
503621.98	3632975.90	0.56737	503671.98	3632975.90	0.54681
503721.98	3632975.90	0.52626	503771.98	3632975.90	0.49788
503821.98	3632975.90	0.43350	503871.98	3632975.90	0.38544
503921.98	3632975.90	0.37284	503971.98		

3632975.90   0.37311
         504021.98   3632975.90   0.37028   504071.98
3632975.90   0.37468
         504121.98   3632975.90   0.37089   504171.98
3632975.90   0.37356
         504221.98   3632975.90   0.37429   504271.98
3632975.90   0.37525
         504321.98   3632975.90   0.37477   504371.98
3632975.90   0.37057
         504421.98   3632975.90   0.36854   504471.98
3632975.90   0.36770
         504521.98   3632975.90   0.36817   504571.98
3632975.90   0.36844
         504621.98   3632975.90   0.36873   504671.98
3632975.90   0.36999
         504721.98   3632975.90   0.37215   504771.98
3632975.90   0.37439
         504821.98   3632975.90   0.37553   504871.98
3632975.90   0.37703
         504921.98   3632975.90   0.37855   504971.98
3632975.90   0.37920
         505021.98   3632975.90   0.37878   505071.98
3632975.90   0.37864
         505121.98   3632975.90   0.37986   505171.98
3632975.90   0.38296
         505221.98   3632975.90   0.38686   502221.98
3633025.90   0.51557
         502271.98   3633025.90   0.53106   502321.98
3633025.90   0.54639
         502371.98   3633025.90   0.56242   502421.98
3633025.90   0.57895
         502471.98   3633025.90   0.59581   502521.98
3633025.90   0.61326
         502571.98   3633025.90   0.63116   502621.98
3633025.90   0.64945
         502671.98   3633025.90   0.66803   502721.98
3633025.90   0.68691
         502771.98   3633025.90   0.70597   502821.98
3633025.90   0.60651
         502871.98   3633025.90   0.57405   502921.98
3633025.90   0.54475
         502971.98   3633025.90   0.39445   503021.98
3633025.90   0.42389
         503071.98   3633025.90   0.51673   503121.98
3633025.90   0.60576

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503171.98	3633025.90	0.64318	503221.98	3633025.90	0.68449
503271.98	3633025.90	0.68518	503321.98	3633025.90	0.69330
503371.98	3633025.90	0.68095	503421.98	3633025.90	0.63314
503471.98	3633025.90	0.64464	503621.98	3633025.90	0.58686
503671.98	3633025.90	0.57359	503721.98	3633025.90	0.56331
503771.98	3633025.90	0.49325	503821.98	3633025.90	0.43045
503871.98	3633025.90	0.39496	503921.98	3633025.90	0.38619
503971.98	3633025.90	0.38625	504021.98	3633025.90	0.38731
504071.98	3633025.90	0.38835	504121.98	3633025.90	0.39002
504171.98	3633025.90	0.39227	504221.98	3633025.90	0.39449
504271.98	3633025.90	0.39497	504321.98	3633025.90	0.39416
504371.98	3633025.90	0.39035	504421.98	3633025.90	0.38837
504471.98	3633025.90	0.38778	504521.98	3633025.90	0.38701

504571.98 3633025.90 0.38722 504621.98 3633025.90 0.38843
504671.98 3633025.90 0.39056 504721.98 3633025.90 0.39324
504771.98 3633025.90 0.39610 504821.98 3633025.90 0.39808
504871.98 3633025.90 0.40055 504921.98 3633025.90 0.40202
504971.98 3633025.90 0.40183 505021.98 3633025.90 0.40060
505071.98 3633025.90 0.40055 505121.98 3633025.90 0.40235
505171.98 3633025.90 0.40619 505221.98 3633025.90 0.41221
502221.98 3633075.90 0.52929 502271.98 3633075.90 0.54558
502321.98 3633075.90 0.56197 502371.98 3633075.90 0.57894
502421.98 3633075.90 0.59651 502471.98 3633075.90 0.61443
502521.98 3633075.90 0.63313 502571.98 3633075.90 0.65245
502621.98 3633075.90 0.67215 502671.98 3633075.90 0.69230
502721.98 3633075.90 0.71270 502771.98 3633075.90 0.73354
502821.98 3633075.90 0.66805 502871.98 3633075.90 0.63936
502921.98 3633075.90 0.61107 502971.98 3633075.90 0.54880
503021.98 3633075.90 0.58438 503071.98 3633075.90 0.61002
503121.98 3633075.90 0.66287 503171.98 3633075.90 0.70004
503221.98 3633075.90 0.75364 503271.98 3633075.90 0.73733
503321.98 3633075.90 0.72942 503371.98 3633075.90 0.71272
503421.98 3633075.90 0.66895 503471.98 3633075.90 0.68116
503621.98 3633075.90 0.61003 503671.98 3633075.90 0.58764
503721.98 3633075.90 0.57388 503771.98 3633075.90 0.50111
503821.98 3633075.90 0.43628 503871.98 3633075.90 0.40439
503921.98 3633075.90 0.40441 503971.98 3633075.90 0.40980
504021.98 3633075.90 0.40891 504071.98 3633075.90 0.41071

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         504321.98   3633075.90   0.41737   504371.98
3633075.90   0.41283
         504421.98   3633075.90   0.41166   504471.98
3633075.90   0.40977
         504521.98   3633075.90   0.40896   504571.98
3633075.90   0.40973
         504621.98   3633075.90   0.41151   504671.98
3633075.90   0.41426
         504721.98   3633075.90   0.41729   504771.98
3633075.90   0.42063
         504821.98   3633075.90   0.42334   504871.98
3633075.90   0.42612
         504921.98   3633075.90   0.42886   504971.98
3633075.90   0.42714
         505021.98   3633075.90   0.42540   505071.98
3633075.90   0.42522
         505121.98   3633075.90   0.42696   505171.98

3633075.90 0.43107
505221.98 3633075.90 0.43634 502221.98
3633125.90 0.54356
502271.98 3633125.90 0.56045 502321.98
3633125.90 0.57786
502371.98 3633125.90 0.59588 502421.98
3633125.90 0.61462
502471.98 3633125.90 0.63387 502521.98
3633125.90 0.65386
502571.98 3633125.90 0.67451 502621.98
3633125.90 0.69577
502671.98 3633125.90 0.71756 502721.98
3633125.90 0.73980
502771.98 3633125.90 0.76229 502821.98
3633125.90 0.78525
502871.98 3633125.90 0.70396 502921.98
3633125.90 0.69611
502971.98 3633125.90 0.66112 503021.98
3633125.90 0.65233
503071.98 3633125.90 0.68883 503121.98
3633125.90 0.72644
503171.98 3633125.90 0.77237 503221.98
3633125.90 0.80488
503271.98 3633125.90 0.79999 503321.98
3633125.90 0.80425
503371.98 3633125.90 0.76202 503421.98
3633125.90 0.70571
503471.98 3633125.90 0.71902 503621.98
3633125.90 0.63083
503671.98 3633125.90 0.59596 503721.98
3633125.90 0.58140
503771.98 3633125.90 0.49477 503821.98
3633125.90 0.44526
503871.98 3633125.90 0.42476 503921.98
3633125.90 0.42794
503971.98 3633125.90 0.43429 504021.98
3633125.90 0.43104
504071.98 3633125.90 0.43581 504121.98
3633125.90 0.44017
504171.98 3633125.90 0.44265 504221.98
3633125.90 0.44373
504271.98 3633125.90 0.44415 504321.98
3633125.90 0.44250
504371.98 3633125.90 0.43998 504421.98
3633125.90 0.43854
504471.98 3633125.90 0.43554 504521.98
3633125.90 0.43460
504571.98 3633125.90 0.43569 504621.98
3633125.90 0.43835
504671.98 3633125.90 0.44173 504721.98

```
3633125.90        0.44492
         504771.98    3633125.90        0.44806                       504821.98
3633125.90        0.45071
         504871.98    3633125.90        0.45431                       504921.98
3633125.90        0.46042
         504971.98    3633125.90        0.45752                       505021.98
3633125.90        0.45362
         505071.98    3633125.90        0.45188                       505121.98
3633125.90        0.45344
         505171.98    3633125.90        0.45687                       505221.98
3633125.90        0.46245
         502221.98    3633175.90        0.55781                       502271.98
3633175.90        0.57553
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                 PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         502321.98    3633175.90        0.59400                       502371.98
3633175.90        0.61350
         502421.98    3633175.90        0.63355                       502471.98
3633175.90        0.65408
         502521.98    3633175.90        0.67550                       502571.98
3633175.90        0.69765
         502621.98    3633175.90        0.72046                       502671.98
3633175.90        0.74384
```

```
         502721.98    3633175.90        0.76756                    502771.98
3633175.90        0.77005
         502821.98    3633175.90        0.72213                    502871.98
3633175.90        0.80759
         502921.98    3633175.90        0.76171                    502971.98
3633175.90        0.77692
         503021.98    3633175.90        0.76875                    503071.98
3633175.90        0.79896
         503121.98    3633175.90        0.80460                    503171.98
3633175.90        0.85416
         503221.98    3633175.90        0.84309                    503271.98
3633175.90        0.83577
         503321.98    3633175.90        0.84601                    503371.98
3633175.90        0.79893
         503421.98    3633175.90        0.75516                    503471.98
3633175.90        0.75174
         503621.98    3633175.90        0.62774                    503671.98
3633175.90        0.61990
         503721.98    3633175.90        0.56934                    503771.98
3633175.90        0.49376
         503821.98    3633175.90        0.45736                    503871.98
3633175.90        0.44644
         503921.98    3633175.90        0.45521                    503971.98
3633175.90        0.46196
         504021.98    3633175.90        0.45890                    504071.98
3633175.90        0.46496
         504121.98    3633175.90        0.47131                    504171.98
3633175.90        0.47704
         504221.98    3633175.90        0.47632                    504271.98
3633175.90        0.47466
         504321.98    3633175.90        0.47252                    504371.98
3633175.90        0.47464
         504421.98    3633175.90        0.46917                    504471.98
3633175.90        0.46463
         504521.98    3633175.90        0.46361                    504571.98
3633175.90        0.46536
         504621.98    3633175.90        0.46910                    504671.98
3633175.90        0.47340
         504721.98    3633175.90        0.47669                    504771.98
3633175.90        0.47939
         504821.98    3633175.90        0.48138                    504871.98
3633175.90        0.48589
         504921.98    3633175.90        0.49555                    504971.98
3633175.90        0.48868
         505021.98    3633175.90        0.48297                    505071.98
3633175.90        0.48141
         505121.98    3633175.90        0.48215                    505171.98
3633175.90        0.48396
         505221.98    3633175.90        0.48706                    502221.98
3633225.90        0.57243
```

```
         502271.98    3633225.90        0.59135                       502321.98
3633225.90        0.61090
         502371.98    3633225.90        0.63165                       502421.98
3633225.90        0.65293
         502471.98    3633225.90        0.67475                       502521.98
3633225.90        0.69776
         502571.98    3633225.90        0.72153                       502621.98
3633225.90        0.74613
         502671.98    3633225.90        0.77141                       502721.98
3633225.90        0.79707
         502771.98    3633225.90        0.82277                       502821.98
3633225.90        0.80568
         502871.98    3633225.90        0.80575                       502921.98
3633225.90        0.84231
         502971.98    3633225.90        0.87368                       503021.98
3633225.90        0.85581
         503071.98    3633225.90        0.88273                       503121.98
3633225.90        0.92267
         503171.98    3633225.90        0.91834                       503221.98
3633225.90        0.90604
         503271.98    3633225.90        0.89791                       503321.98
3633225.90        0.87717
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                   PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- -

503371.98	3633225.90	0.82012	503421.98	3633225.90	0.80195
503471.98	3633225.90	0.77629	503621.98	3633225.90	0.66526
503671.98	3633225.90	0.63643	503721.98	3633225.90	0.57263
503771.98	3633225.90	0.51689	503821.98	3633225.90	0.47748
503871.98	3633225.90	0.47684	503921.98	3633225.90	0.48398
503971.98	3633225.90	0.49309	504021.98	3633225.90	0.49705
504071.98	3633225.90	0.50418	504121.98	3633225.90	0.51227
504171.98	3633225.90	0.51655	504221.98	3633225.90	0.50775
504271.98	3633225.90	0.50619	504321.98	3633225.90	0.51060
504371.98	3633225.90	0.51343	504421.98	3633225.90	0.50402
504471.98	3633225.90	0.49876	504521.98	3633225.90	0.49756
504571.98	3633225.90	0.49996	504621.98	3633225.90	0.50454
504671.98	3633225.90	0.51065	504721.98	3633225.90	0.51454
504771.98	3633225.90	0.51554	504821.98	3633225.90	0.52008
504871.98	3633225.90	0.52375	504921.98	3633225.90	0.53303
504971.98	3633225.90	0.52526	505021.98	3633225.90	0.51811
505071.98	3633225.90	0.51603	505121.98	3633225.90	0.51390
505171.98	3633225.90	0.51035	505221.98	3633225.90	0.51075
502221.98	3633275.90	0.58720	502271.98	3633275.90	0.60722
502321.98	3633275.90	0.62828	502371.98	3633275.90	0.65014
502421.98	3633275.90	0.67273	502471.98	3633275.90	0.69629
502521.98	3633275.90	0.72085	502571.98	3633275.90	0.74636
502621.98	3633275.90	0.77281	502671.98	3633275.90	0.80015
502721.98	3633275.90	0.82841	502771.98	3633275.90	0.85601
502821.98	3633275.90	0.74044	502871.98		

3633275.90   0.83972
         502921.98   3633275.90   0.92327   502971.98
3633275.90   0.95480
         503021.98   3633275.90   0.92836   503071.98
3633275.90   0.98788
         503121.98   3633275.90   1.05440   503171.98
3633275.90   1.04435
         503221.98   3633275.90   0.99270   503271.98
3633275.90   0.92745
         503321.98   3633275.90   0.92714   503371.98
3633275.90   0.87649
         503421.98   3633275.90   0.84174   503471.98
3633275.90   0.64703
         503621.98   3633275.90   0.66726   503671.98
3633275.90   0.64290
         503721.98   3633275.90   0.57634   503771.98
3633275.90   0.52941
         503821.98   3633275.90   0.50144   503871.98
3633275.90   0.50833
         503921.98   3633275.90   0.52298   503971.98
3633275.90   0.54680
         504021.98   3633275.90   0.55125   504071.98
3633275.90   0.55185
         504121.98   3633275.90   0.56361   504171.98
3633275.90   0.55677
         504221.98   3633275.90   0.54672   504271.98
3633275.90   0.54558
         504321.98   3633275.90   0.55564   504371.98
3633275.90   0.56461
         504421.98   3633275.90   0.54999   504471.98
3633275.90   0.54032

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504521.98	3633275.90	0.53766	504571.98	3633275.90	0.54048
504621.98	3633275.90	0.54676	504671.98	3633275.90	0.55508
504721.98	3633275.90	0.55682	504771.98	3633275.90	0.55210
504821.98	3633275.90	0.55809	504871.98	3633275.90	0.56730
504921.98	3633275.90	0.57727	504971.98	3633275.90	0.56910
505021.98	3633275.90	0.56055	505071.98	3633275.90	0.55735
505121.98	3633275.90	0.55070	505171.98	3633275.90	0.54008
505221.98	3633275.90	0.53771	502221.98	3633325.90	0.60229
502271.98	3633325.90	0.62356	502321.98	3633325.90	0.64581
502371.98	3633325.90	0.66896	502421.98	3633325.90	0.69310
502471.98	3633325.90	0.71816	502521.98	3633325.90	0.74459
502571.98	3633325.90	0.77204	502621.98	3633325.90	0.80056
502671.98	3633325.90	0.83013	502721.98	3633325.90	0.86080
502771.98	3633325.90	0.88240	502821.98	3633325.90	0.87731
502871.98	3633325.90	0.95931	502921.98	3633325.90	0.99278
502971.98	3633325.90	1.02295	503021.98	3633325.90	1.04011
503071.98	3633325.90	1.09570	503121.98	3633325.90	1.13836
503171.98	3633325.90	1.17358	503221.98	3633325.90	1.17619
503271.98	3633325.90	0.97449	503321.98	3633325.90	0.97050
503371.98	3633325.90	0.91528	503421.98	3633325.90	0.76810

```
         503471.98    3633325.90        0.61326                      503621.98
3633325.90        0.66975
         503671.98    3633325.90        0.64494                      503721.98
3633325.90        0.57539
         503771.98    3633325.90        0.55603                      503821.98
3633325.90        0.54089
         503871.98    3633325.90        0.54696                      503921.98
3633325.90        0.58026
         503971.98    3633325.90        0.62118                      504021.98
3633325.90        0.61864
         504071.98    3633325.90        0.61037                      504121.98
3633325.90        0.62891
         504171.98    3633325.90        0.60461                      504221.98
3633325.90        0.59011
         504271.98    3633325.90        0.59561                      504321.98
3633325.90        0.61809
         504371.98    3633325.90        0.62765                      504421.98
3633325.90        0.60501
         504471.98    3633325.90        0.58996                      504521.98
3633325.90        0.58465
         504571.98    3633325.90        0.58872                      504621.98
3633325.90        0.59693
         504671.98    3633325.90        0.60772                      504721.98
3633325.90        0.60538
         504771.98    3633325.90        0.59710                      504821.98
3633325.90        0.60024
         504871.98    3633325.90        0.61823                      504921.98
3633325.90        0.62909
         504971.98    3633325.90        0.61971                      505021.98
3633325.90        0.61116
         505071.98    3633325.90        0.60606                      505121.98
3633325.90        0.58675
         505171.98    3633325.90        0.57271                      505221.98
3633325.90        0.57034
         502221.98    3633375.90        0.61774                      502271.98
3633375.90        0.64013
         502321.98    3633375.90        0.66356                      502371.98
3633375.90        0.68810
         502421.98    3633375.90        0.71386                      502471.98
3633375.90        0.74078
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                 PAGE  78
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
```

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3633375.90	0.76904	502571.98	3633375.90	0.79857
502621.98	3633375.90	0.82934	502671.98	3633375.90	0.86135
502721.98	3633375.90	0.89464	502771.98	3633375.90	0.92926
502821.98	3633375.90	0.96524	502871.98	3633375.90	1.00264
502921.98	3633375.90	1.04110	502971.98	3633375.90	1.08062
503021.98	3633375.90	1.11939	503071.98	3633375.90	1.16232
503121.98	3633375.90	1.20398	503171.98	3633375.90	1.24557
503221.98	3633375.90	1.27929	503271.98	3633375.90	1.28961
503321.98	3633375.90	1.15142	503371.98	3633375.90	0.98145
503421.98	3633375.90	0.73575	503471.98	3633375.90	0.72755
503621.98	3633375.90	0.73618	503671.98	3633375.90	0.69091
503721.98	3633375.90	0.62922	503771.98	3633375.90	0.61571
503821.98	3633375.90	0.62450	503871.98	3633375.90	0.61628
503921.98	3633375.90	0.65858	503971.98	3633375.90	0.71160
504021.98	3633375.90	0.69516	504071.98	3633375.90	0.67984
504121.98	3633375.90	0.70400	504171.98		

```
3633375.90        0.65775
         504221.98    3633375.90        0.65074                    504271.98
3633375.90        0.67021
         504321.98    3633375.90        0.69985                    504371.98
3633375.90        0.70686
         504421.98    3633375.90        0.66909                    504471.98
3633375.90        0.64569
         504521.98    3633375.90        0.63783                    504571.98
3633375.90        0.64567
         504621.98    3633375.90        0.65661                    504671.98
3633375.90        0.67179
         504721.98    3633375.90        0.66108                    504771.98
3633375.90        0.64929
         504821.98    3633375.90        0.65541                    504871.98
3633375.90        0.68378
         504921.98    3633375.90        0.68693                    504971.98
3633375.90        0.67862
         505021.98    3633375.90        0.66687                    505071.98
3633375.90        0.64487
         505121.98    3633375.90        0.62164                    505171.98
3633375.90        0.60762
         505221.98    3633375.90        0.60701                    502221.98
3633425.90        0.63290
         502271.98    3633425.90        0.65642                    502321.98
3633425.90        0.68108
         502371.98    3633425.90        0.70717                    502421.98
3633425.90        0.73475
         502471.98    3633425.90        0.76416                    502521.98
3633425.90        0.79432
         502571.98    3633425.90        0.82594                    502621.98
3633425.90        0.85912
         502671.98    3633425.90        0.89381                    502721.98
3633425.90        0.93011
         502771.98    3633425.90        0.96794                    502821.98
3633425.90        1.00742
         502871.98    3633425.90        1.04844                    502921.98
3633425.90        1.09078
         502971.98    3633425.90        1.13467                    503021.98
3633425.90        1.17994
         503071.98    3633425.90        1.22602                    503121.98
3633425.90        1.27326
         503171.98    3633425.90        1.32021                    503221.98
3633425.90        1.36693
         503271.98    3633425.90        1.40159                    503321.98
3633425.90        1.22976
         503371.98    3633425.90        0.95319                    503421.98
3633425.90        0.82518
         503471.98    3633425.90        0.84381                    503621.98
3633425.90        0.87930
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

504771.98 3633425.90 0.72395 504821.98 3633425.90 0.71924
504871.98 3633425.90 0.75224 504921.98 3633425.90 0.74495
504971.98 3633425.90 0.72911 505021.98 3633425.90 0.69610
505071.98 3633425.90 0.67291 505121.98 3633425.90 0.65599
505171.98 3633425.90 0.64484 505221.98 3633425.90 0.64620
502221.98 3633475.90 0.64823 502271.98 3633475.90 0.67301
502321.98 3633475.90 0.69921 502371.98 3633475.90 0.72697
502421.98 3633475.90 0.75636 502471.98 3633475.90 0.78788
502521.98 3633475.90 0.81991 502571.98 3633475.90 0.85389
502621.98 3633475.90 0.88978 502671.98 3633475.90 0.92730
504771.98 3633475.90 0.83168 504821.98 3633475.90 0.83079
504871.98 3633475.90 0.82354 504921.98 3633475.90 0.81461
504971.98 3633475.90 0.78123 505021.98 3633475.90 0.73765
505071.98 3633475.90 0.71316 505121.98 3633475.90 0.69553
505171.98 3633475.90 0.68113 505221.98 3633475.90 0.67853
502221.98 3633525.90 0.66392 502271.98 3633525.90 0.69005
502321.98 3633525.90 0.71767 502371.98 3633525.90 0.74741
502421.98 3633525.90 0.77883 502471.98 3633525.90 0.81199
502521.98 3633525.90 0.84607 502571.98 3633525.90 0.88184
502621.98 3633525.90 0.92065 502671.98 3633525.90 0.96136
504771.98 3633525.90 0.90238 504821.98 3633525.90 0.88992
504871.98 3633525.90 0.87965 504921.98 3633525.90 0.86907
504971.98 3633525.90 0.85450 505021.98 3633525.90 0.81035
505071.98 3633525.90 0.76620 505121.98 3633525.90 0.73488
505171.98 3633525.90 0.71744 505221.98 3633525.90 0.70887

```
         502221.98    3633575.90        0.68015                      502271.98
3633575.90        0.70691
         502321.98    3633575.90        0.73605                      502371.98
3633575.90        0.76766
         502421.98    3633575.90        0.80082                      502471.98
3633575.90        0.83555
         502521.98    3633575.90        0.87220                      502571.98
3633575.90        0.91113
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3633575.90        0.95263                      502671.98
3633575.90        0.99656
         504771.98    3633575.90        0.96990                      504821.98
3633575.90        0.95822
         504871.98    3633575.90        0.94608                      504921.98
3633575.90        0.92258
         504971.98    3633575.90        0.91235                      505021.98
3633575.90        0.88208
         505071.98    3633575.90        0.82777                      505121.98
3633575.90        0.78091
         505171.98    3633575.90        0.75687                      505221.98
3633575.90        0.74896
         502221.98    3633625.90        0.69567                      502271.98
```

3633625.90 0.72349
502321.98 3633625.90 0.75472 502371.98
3633625.90 0.78784
502421.98 3633625.90 0.82321 502471.98
3633625.90 0.85978
502521.98 3633625.90 0.89976 502571.98
3633625.90 0.94167
502621.98 3633625.90 0.98629 502671.98
3633625.90 1.03343
504771.98 3633625.90 1.04265 504821.98
3633625.90 1.05119
504871.98 3633625.90 1.01673 504921.98
3633625.90 0.99011
504971.98 3633625.90 0.97512 505021.98
3633625.90 0.94411
505071.98 3633625.90 0.88043 505121.98
3633625.90 0.82965
505171.98 3633625.90 0.79607 505221.98
3633625.90 0.78530
502221.98 3633675.90 0.71063 502271.98
3633675.90 0.73987
502321.98 3633675.90 0.77277 502371.98
3633675.90 0.80738
502421.98 3633675.90 0.84518 502471.98
3633675.90 0.88466
502521.98 3633675.90 0.92705 502571.98
3633675.90 0.97192
502621.98 3633675.90 1.01973 502671.98
3633675.90 1.07060
504771.98 3633675.90 1.14814 504821.98
3633675.90 1.13274
504871.98 3633675.90 1.10854 504921.98
3633675.90 1.07989
504971.98 3633675.90 1.04605 505021.98
3633675.90 1.00195
505071.98 3633675.90 0.92715 505121.98
3633675.90 0.86212
505171.98 3633675.90 0.82530 505221.98
3633675.90 0.80855
502221.98 3633725.90 0.72517 502271.98
3633725.90 0.75602
502321.98 3633725.90 0.79092 502371.98
3633725.90 0.82772
502421.98 3633725.90 0.86713 502471.98
3633725.90 0.90920
502521.98 3633725.90 0.95422 502571.98
3633725.90 1.00230
502621.98 3633725.90 1.05370 502671.98
3633725.90 1.10846
504771.98 3633725.90 1.29935 504821.98

```
3633725.90        1.23550
         504871.98    3633725.90        1.20430                      504921.98
3633725.90        1.15574
         504971.98    3633725.90        1.10250                      505021.98
3633725.90        1.03665
         505071.98    3633725.90        0.94915                      505121.98
3633725.90        0.88188
         505171.98    3633725.90        0.84942                      505221.98
3633725.90        0.82342
         502221.98    3633775.90        0.73968                      502271.98
3633775.90        0.77202
         502321.98    3633775.90        0.80943                      502371.98
3633775.90        0.84787
         502421.98    3633775.90        0.88958                      502471.98
3633775.90        0.93341
         502521.98    3633775.90        0.98132                      502571.98
3633775.90        1.03268
```



```
                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
         502621.98    3633775.90        1.08748                      502671.98
3633775.90        1.14644
         504771.98    3633775.90        1.45876                      504821.98
3633775.90        1.38605
```

504871.98 3633775.90 1.29633 504921.98 3633775.90 1.20005
504971.98 3633775.90 1.13627 505021.98 3633775.90 1.05412
505071.98 3633775.90 0.97361 505121.98 3633775.90 0.90371
505171.98 3633775.90 0.86266 505221.98 3633775.90 0.83480
502221.98 3633825.90 0.75464 502271.98 3633825.90 0.78831
502321.98 3633825.90 0.82671 502371.98 3633825.90 0.86745
502421.98 3633825.90 0.91092 502471.98 3633825.90 0.95748
502521.98 3633825.90 1.00806 502571.98 3633825.90 1.06277
502621.98 3633825.90 1.12174 502671.98 3633825.90 1.18492
504771.98 3633825.90 1.59586 504821.98 3633825.90 1.47948
504871.98 3633825.90 1.30546 504921.98 3633825.90 1.20001
504971.98 3633825.90 1.12846 505021.98 3633825.90 1.06479
505071.98 3633825.90 0.98762 505121.98 3633825.90 0.91324
505171.98 3633825.90 0.87411 505221.98 3633825.90 0.84727
502221.98 3633875.90 0.76816 502271.98 3633875.90 0.80372
502321.98 3633875.90 0.84419 502371.98 3633875.90 0.88596
502421.98 3633875.90 0.93188 502471.98 3633875.90 0.98052
502521.98 3633875.90 1.03436 502571.98 3633875.90 1.09263
502621.98 3633875.90 1.15541 502671.98 3633875.90 1.22296
504771.98 3633875.90 1.68576 504821.98 3633875.90 1.49297
504871.98 3633875.90 1.31809 504921.98 3633875.90 1.21401
504971.98 3633875.90 1.12816 505021.98 3633875.90 1.05198
505071.98 3633875.90 0.99576 505121.98 3633875.90 0.93094
505171.98 3633875.90 0.89276 505221.98 3633875.90 0.86190
502221.98 3633925.90 0.78146 502271.98 3633925.90 0.81906

```
         502321.98    3633925.90        0.86053                       502371.98
3633925.90        0.90389
         502421.98    3633925.90        0.95264                       502471.98
3633925.90        1.00389
         502521.98    3633925.90        1.06030                       502571.98
3633925.90        1.12158
         502621.98    3633925.90        1.18821                       502671.98
3633925.90        1.26026
         504771.98    3633925.90        1.71180                       504821.98
3633925.90        1.51607
         504871.98    3633925.90        1.36888                       504921.98
3633925.90        1.22901
         504971.98    3633925.90        1.12356                       505021.98
3633925.90        1.05655
         505071.98    3633925.90        0.99929                       505121.98
3633925.90        0.94950
         505171.98    3633925.90        0.91310                       505221.98
3633925.90        0.87801
         502221.98    3633975.90        0.79456                       502271.98
3633975.90        0.83250
         502321.98    3633975.90        0.87537                       502371.98
3633975.90        0.92209
         502421.98    3633975.90        0.97233                       502471.98
3633975.90        1.02641
         502521.98    3633975.90        1.08567                       502571.98
3633975.90        1.14983
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                 PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633975.90	1.22031	502671.98	3633975.90	1.29664
504771.98	3633975.90	1.68787	504821.98	3633975.90	1.53913
504871.98	3633975.90	1.41438	504921.98	3633975.90	1.27241
504971.98	3633975.90	1.13731	505021.98	3633975.90	1.05767
505071.98	3633975.90	0.99739	505121.98	3633975.90	0.96375
505171.98	3633975.90	0.92592	505221.98	3633975.90	0.88477
502221.98	3634025.90	0.80684	502271.98	3634025.90	0.84586
502321.98	3634025.90	0.89005	502371.98	3634025.90	0.93855
502421.98	3634025.90	0.99064	502471.98	3634025.90	1.04723
502521.98	3634025.90	1.10903	502571.98	3634025.90	1.17669
502621.98	3634025.90	1.25114	502671.98	3634025.90	1.33233
504771.98	3634025.90	1.66632	504821.98	3634025.90	1.56280
504871.98	3634025.90	1.40206	504921.98	3634025.90	1.26153
504971.98	3634025.90	1.13056	505021.98	3634025.90	1.05219
505071.98	3634025.90	0.99212	505121.98	3634025.90	0.95958
505171.98	3634025.90	0.92372	505221.98	3634025.90	0.87641
502221.98	3634075.90	0.81711	502271.98	3634075.90	0.85820
502321.98	3634075.90	0.90365	502371.98	3634075.90	0.95296
502421.98	3634075.90	1.00642	502471.98	3634075.90	1.06537
502521.98	3634075.90	1.13039	502571.98	3634075.90	1.20233
502621.98	3634075.90	1.28015	502671.98	3634075.90	1.36663
504771.98	3634075.90	1.67760	504821.98	3634075.90	1.53872
504871.98	3634075.90	1.35878	504921.98		

```
3634075.90        1.22907
         504971.98    3634075.90        1.11597                         505021.98
3634075.90        1.03279
         505071.98    3634075.90        0.97224                         505121.98
3634075.90        0.93376
         505171.98    3634075.90        0.90161                         505221.98
3634075.90        0.85649
         502221.98    3634125.90        0.82585                         502271.98
3634125.90        0.86980
         502321.98    3634125.90        0.91622                         502371.98
3634125.90        0.96777
         502421.98    3634125.90        1.02315                         502471.98
3634125.90        1.08380
         502521.98    3634125.90        1.15028                         502571.98
3634125.90        1.22364
         502621.98    3634125.90        1.30702                         502671.98
3634125.90        1.39857
         504771.98    3634125.90        1.58189                         504821.98
3634125.90        1.45011
         504871.98    3634125.90        1.31556                         504921.98
3634125.90        1.17006
         504971.98    3634125.90        1.07938                         505021.98
3634125.90        0.99635
         505071.98    3634125.90        0.94233                         505121.98
3634125.90        0.90885
         505171.98    3634125.90        0.87350                         505221.98
3634125.90        0.83270
         502221.98    3634175.90        0.83242                         502271.98
3634175.90        0.87717
         502321.98    3634175.90        0.92470                         502371.98
3634175.90        0.98197
         502421.98    3634175.90        1.03911                         502471.98
3634175.90        1.10163
         502521.98    3634175.90        1.16986                         502571.98
3634175.90        1.24577
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:32:02

                                  PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
```

```
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634175.90        1.32984                       502671.98
3634175.90        1.42466
         504771.98    3634175.90        1.46573                       504821.98
3634175.90        1.32980
         504871.98    3634175.90        1.21389                       504921.98
3634175.90        1.11645
         504971.98    3634175.90        1.03046                       505021.98
3634175.90        0.96414
         505071.98    3634175.90        0.89828                       505121.98
3634175.90        0.87767
         505171.98    3634175.90        0.84640                       505221.98
3634175.90        0.82058
         502221.98    3634225.90        0.84065                       502271.98
3634225.90        0.88521
         502321.98    3634225.90        0.93696                       502371.98
3634225.90        0.99367
         502421.98    3634225.90        1.05296                       502471.98
3634225.90        1.11741
         502521.98    3634225.90        1.18751                       502571.98
3634225.90        1.26611
         502621.98    3634225.90        1.35277                       502671.98
3634225.90        1.45004
         504771.98    3634225.90        1.35681                       504821.98
3634225.90        1.23201
         504871.98    3634225.90        1.14672                       504921.98
3634225.90        1.06015
         504971.98    3634225.90        1.00910                       505021.98
3634225.90        0.93707
         505071.98    3634225.90        0.87459                       505121.98
3634225.90        0.84914
         505171.98    3634225.90        0.80192                       505221.98
3634225.90        0.79856
         502221.98    3634275.90        0.84791                       502271.98
3634275.90        0.89342
         502321.98    3634275.90        0.94503                       502371.98
3634275.90        1.00356
```

```
         502421.98    3634275.90        1.06397                        502471.98
3634275.90        1.12990
         502521.98    3634275.90        1.20276                        502571.98
3634275.90        1.28310
         502621.98    3634275.90        1.37319                        502671.98
3634275.90        1.47360
         504771.98    3634275.90        1.27981                        504821.98
3634275.90        1.17564
         504871.98    3634275.90        1.09797                        504921.98
3634275.90        1.03805
         504971.98    3634275.90        1.00854                        505021.98
3634275.90        0.92334
         505071.98    3634275.90        0.86614                        505121.98
3634275.90        0.84406
         505171.98    3634275.90        0.78198                        505221.98
3634275.90        0.78212
         502221.98    3634325.90        0.85466                        502271.98
3634325.90        0.90169
         502321.98    3634325.90        0.95253                        502371.98
3634325.90        1.00822
         502421.98    3634325.90        1.06909                        502471.98
3634325.90        1.13560
         502521.98    3634325.90        1.20946                        502571.98
3634325.90        1.29118
         502621.98    3634325.90        1.38209                        502671.98
3634325.90        1.48468
         504771.98    3634325.90        1.24541                        504821.98
3634325.90        1.17386
         504871.98    3634325.90        1.10617                        504921.98
3634325.90        1.06207
         504971.98    3634325.90        1.02079                        505021.98
3634325.90        0.92020
         505071.98    3634325.90        0.86461                        505121.98
3634325.90        0.85615
         505171.98    3634325.90        0.79278                        505221.98
3634325.90        0.76727
         502221.98    3634375.90        0.86116                        502271.98
3634375.90        0.90870
         502321.98    3634375.90        0.95872                        502371.98
3634375.90        1.01368
         502421.98    3634375.90        1.07720                        502471.98
3634375.90        1.14703
         502521.98    3634375.90        1.22489                        502571.98
3634375.90        1.30876
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:32:02
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634375.90	1.39907	502671.98	3634375.90	1.49734
504771.98	3634375.90	1.25617	504821.98	3634375.90	1.21661
504871.98	3634375.90	1.14973	504921.98	3634375.90	1.10791
504971.98	3634375.90	1.03876	505021.98	3634375.90	0.93048
505071.98	3634375.90	0.88115	505121.98	3634375.90	0.88149
505171.98	3634375.90	0.81940	505221.98	3634375.90	0.77159
502221.98	3634425.90	0.86727	502271.98	3634425.90	0.91544
502321.98	3634425.90	0.96741	502371.98	3634425.90	1.02433
502421.98	3634425.90	1.08714	502471.98	3634425.90	1.15567
502521.98	3634425.90	1.23232	502571.98	3634425.90	1.31696
502621.98	3634425.90	1.41154	502671.98	3634425.90	1.51712
504771.98	3634425.90	1.28107	504821.98	3634425.90	1.23492
504871.98	3634425.90	1.22726	504921.98	3634425.90	1.21098
504971.98	3634425.90	1.07775	505021.98		

3634425.90 0.99882
505071.98 3634425.90 0.96740 505121.98
3634425.90 0.92859
505171.98 3634425.90 0.85873 505221.98
3634425.90 0.79946
502221.98 3634475.90 0.86972 502271.98
3634475.90 0.91786
502321.98 3634475.90 0.97023 502371.98
3634475.90 1.02756
502421.98 3634475.90 1.09048 502471.98
3634475.90 1.15956
502521.98 3634475.90 1.23671 502571.98
3634475.90 1.32199
502621.98 3634475.90 1.41704 502671.98
3634475.90 1.52369
504771.98 3634475.90 1.33057 504821.98
3634475.90 1.25003
504871.98 3634475.90 1.24780 504921.98
3634475.90 1.33069
504971.98 3634475.90 1.20845 505021.98
3634475.90 1.12572
505071.98 3634475.90 1.07449 505121.98
3634475.90 0.99657
505171.98 3634475.90 0.91461 505221.98
3634475.90 0.84556
502221.98 3634525.90 0.87085 502271.98
3634525.90 0.91871
502321.98 3634525.90 0.97107 502371.98
3634525.90 1.02852
502421.98 3634525.90 1.09138 502471.98
3634525.90 1.16079
502521.98 3634525.90 1.23743 502571.98
3634525.90 1.32294
502621.98 3634525.90 1.41821 502671.98
3634525.90 1.52603
504771.98 3634525.90 1.45121 504821.98
3634525.90 1.32850
504871.98 3634525.90 1.32124 504921.98
3634525.90 1.44153
504971.98 3634525.90 1.42057 505021.98
3634525.90 1.29733
505071.98 3634525.90 1.19192 505121.98
3634525.90 1.06930
505171.98 3634525.90 0.95953 505221.98
3634525.90 0.87023
502221.98 3634575.90 0.87114 502271.98
3634575.90 0.91803
502321.98 3634575.90 0.96995 502371.98
3634575.90 1.02704
502421.98 3634575.90 1.08980 502471.98

3634575.90   1.15902
         502521.98   3634575.90   1.23530   502571.98
3634575.90   1.32014

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502621.98   3634575.90   1.41482   502671.98
3634575.90   1.52155
         504771.98   3634575.90   1.71044   504821.98
3634575.90   1.54653
         504871.98   3634575.90   1.56919   504921.98
3634575.90   1.66093
         504971.98   3634575.90   1.53787   505021.98
3634575.90   1.35709
         505071.98   3634575.90   1.22269   505121.98
3634575.90   1.10546
         505171.98   3634575.90   0.94259   505221.98
3634575.90   0.86285
         502221.98   3634625.90   0.86923   502271.98
3634625.90   0.91649
         502321.98   3634625.90   0.96696   502371.98
3634625.90   1.02343
         502421.98   3634625.90   1.08541   502471.98
3634625.90   1.15386

```
         502521.98    3634625.90        1.23028                    502571.98
3634625.90        1.31398
         502621.98    3634625.90        1.40734                    502671.98
3634625.90        1.51148
         504771.98    3634625.90        2.09842                    504821.98
3634625.90        2.02836
         504871.98    3634625.90        1.87915                    504921.98
3634625.90        1.73390
         504971.98    3634625.90        1.55291                    505021.98
3634625.90        1.37059
         505071.98    3634625.90        1.20739                    505121.98
3634625.90        1.09660
         505171.98    3634625.90        0.92355                    505221.98
3634625.90        0.84371
         502221.98    3634675.90        0.86514                    502271.98
3634675.90        0.91262
         502321.98    3634675.90        0.96385                    502371.98
3634675.90        1.01938
         502421.98    3634675.90        1.08059                    502471.98
3634675.90        1.14781
         502521.98    3634675.90        1.22187                    502571.98
3634675.90        1.30409
         502621.98    3634675.90        1.39533                    502671.98
3634675.90        1.49654
         504771.98    3634675.90        2.19612                    504821.98
3634675.90        2.02890
         504871.98    3634675.90        1.85663                    504921.98
3634675.90        1.72402
         504971.98    3634675.90        1.58526                    505021.98
3634675.90        1.37260
         505071.98    3634675.90        1.17000                    505121.98
3634675.90        1.07403
         505171.98    3634675.90        0.93511                    505221.98
3634675.90        0.84771
         502221.98    3634725.90        0.85983                    502271.98
3634725.90        0.90628
         502321.98    3634725.90        0.95576                    502371.98
3634725.90        1.01044
         502421.98    3634725.90        1.07112                    502471.98
3634725.90        1.13699
         502521.98    3634725.90        1.20898                    502571.98
3634725.90        1.28920
         502621.98    3634725.90        1.37763                    502671.98
3634725.90        1.47636
         504771.98    3634725.90        2.12372                    504821.98
3634725.90        1.97941
         504871.98    3634725.90        1.84490                    504921.98
3634725.90        1.68881
         504971.98    3634725.90        1.51535                    505021.98
3634725.90        1.27316
```

```
         505071.98    3634725.90        1.12359                      505121.98
3634725.90        1.02537
         505171.98    3634725.90        0.89793                      505221.98
3634725.90        0.83789
         502221.98    3634775.90        0.85368                      502271.98
3634775.90        0.89913
         502321.98    3634775.90        0.94682                      502371.98
3634775.90        0.99976
         502421.98    3634775.90        1.05774                      502471.98
3634775.90        1.12173
         502521.98    3634775.90        1.19320                      502571.98
3634775.90        1.27017
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634775.90        1.35547                      502671.98
3634775.90        1.45025
         504771.98    3634775.90        2.04006                      504821.98
3634775.90        1.90951
         504871.98    3634775.90        1.78500                      504921.98
3634775.90        1.60990
         504971.98    3634775.90        1.34100                      505021.98
3634775.90        1.14239
         505071.98    3634775.90        1.06429                      505121.98
```

3634775.90 0.98902
505171.98 3634775.90 0.86690 505221.98
3634775.90 0.80299
502221.98 3634825.90 0.84541 502271.98
3634825.90 0.88948
502321.98 3634825.90 0.93684 502371.98
3634825.90 0.98847
502421.98 3634825.90 1.04419 502471.98
3634825.90 1.10470
502521.98 3634825.90 1.17383 502571.98
3634825.90 1.24813
502621.98 3634825.90 1.32969 502671.98
3634825.90 1.41969
504771.98 3634825.90 1.95905 504821.98
3634825.90 1.83895
504871.98 3634825.90 1.69543 504921.98
3634825.90 1.46795
504971.98 3634825.90 1.15572 505021.98
3634825.90 0.98776
505071.98 3634825.90 0.94678 505121.98
3634825.90 0.90467
505171.98 3634825.90 0.81892 505221.98
3634825.90 0.76648
502221.98 3634875.90 0.83540 502271.98
3634875.90 0.87783
502321.98 3634875.90 0.92380 502371.98
3634875.90 0.97386
502421.98 3634875.90 1.02814 502471.98
3634875.90 1.08724
502521.98 3634875.90 1.15181 502571.98
3634875.90 1.22258
502621.98 3634875.90 1.30032 502671.98
3634875.90 1.38589
504771.98 3634875.90 1.88594 504821.98
3634875.90 1.75687
504871.98 3634875.90 1.63163 504921.98
3634875.90 1.36045
504971.98 3634875.90 1.07050 505021.98
3634875.90 0.91705
505071.98 3634875.90 0.83819 505121.98
3634875.90 0.81714
505171.98 3634875.90 0.76883 505221.98
3634875.90 0.73690
502221.98 3634925.90 0.82363 502271.98
3634925.90 0.86479
502321.98 3634925.90 0.90922 502371.98
3634925.90 0.95726
502421.98 3634925.90 1.00939 502471.98
3634925.90 1.06577
502521.98 3634925.90 1.12755 502571.98

```
3634925.90        1.19485
         502621.98    3634925.90        1.26839                        502671.98
3634925.90        1.34937
         504771.98    3634925.90        1.81315                        504821.98
3634925.90        1.68523
         504871.98    3634925.90        1.57807                        504921.98
3634925.90        1.34823
         504971.98    3634925.90        1.06905                        505021.98
3634925.90        0.88246
         505071.98    3634925.90        0.79367                        505121.98
3634925.90        0.76940
         505171.98    3634925.90        0.73286                        505221.98
3634925.90        0.70953
         502221.98    3634975.90        0.81066                        502271.98
3634975.90        0.85047
         502321.98    3634975.90        0.89306                        502371.98
3634975.90        0.93916
         502421.98    3634975.90        0.98900                        502471.98
3634975.90        1.04290
         502521.98    3634975.90        1.10164                        502571.98
3634975.90        1.16536
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
         502621.98    3634975.90        1.23495                    502671.98
3634975.90        1.31110
         504821.98    3634975.90        1.61618                    504871.98
3634975.90        1.52251
         504921.98    3634975.90        1.38230                    504971.98
3634975.90        1.05918
         505021.98    3634975.90        0.88438                    505071.98
3634975.90        0.79192
         505121.98    3634975.90        0.78496                    505171.98
3634975.90        0.74798
         505221.98    3634975.90        0.70830                    502221.98
3635025.90        0.79672
         502271.98    3635025.90        0.83504                    502321.98
3635025.90        0.87596
         502371.98    3635025.90        0.92000                    502421.98
3635025.90        0.96760
         502471.98    3635025.90        1.01898                    502521.98
3635025.90        1.07463
         502571.98    3635025.90        1.13498                    502621.98
3635025.90        1.20061
         502671.98    3635025.90        1.27208                    504871.98
3635025.90        1.46424
         504921.98    3635025.90        1.34588                    504971.98
3635025.90        1.10046
         505021.98    3635025.90        0.89556                    505071.98
3635025.90        0.81895
         505121.98    3635025.90        0.82391                    505171.98
3635025.90        0.79079
         505221.98    3635025.90        0.73563                    502221.98
3635075.90        0.78220
         502271.98    3635075.90        0.81881                    502321.98
3635075.90        0.85788
         502371.98    3635075.90        0.90000                    502421.98
3635075.90        0.94520
         502471.98    3635075.90        0.99396                    502521.98
3635075.90        1.04670
         502571.98    3635075.90        1.10382                    502621.98
3635075.90        1.16569
         502671.98    3635075.90        1.23288                    504921.98
3635075.90        1.32759
         504971.98    3635075.90        1.20699                    505021.98
3635075.90        0.95969
         505071.98    3635075.90        0.90188                    505121.98
3635075.90        0.89803
         505171.98    3635075.90        0.89736                    505221.98
3635075.90        0.82793
         502221.98    3635125.90        0.76682                    502271.98
3635125.90        0.80198
         502321.98    3635125.90        0.83921                    502371.98
3635125.90        0.87927
```

```
         502421.98    3635125.90        0.92225                        502471.98
3635125.90        0.96843
         502521.98    3635125.90        1.01841                        502571.98
3635125.90        1.07238
         502621.98    3635125.90        1.13067                        502671.98
3635125.90        1.19380
         505021.98    3635125.90        1.11522                        505071.98
3635125.90        1.03202
         505121.98    3635125.90        1.01432                        505171.98
3635125.90        0.98622
         505221.98    3635125.90        0.88486                        502221.98
3635175.90        0.75098
         502271.98    3635175.90        0.78465                        502321.98
3635175.90        0.82010
         502371.98    3635175.90        0.85814                        502421.98
3635175.90        0.89895
         502471.98    3635175.90        0.94274                        502521.98
3635175.90        0.98988
         502571.98    3635175.90        1.04091                        502621.98
3635175.90        1.09594
         502671.98    3635175.90        1.15507                        505121.98
3635175.90        1.01301
         505171.98    3635175.90        0.96767                        505221.98
3635175.90        0.92260
         502221.98    3635225.90        0.73496                        502271.98
3635225.90        0.76695
         502321.98    3635225.90        0.80091                        502371.98
3635225.90        0.83713
         502421.98    3635225.90        0.87588                        502471.98
3635225.90        0.91743
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                 PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3635225.90	0.96209	502571.98	3635225.90	1.01011
502621.98	3635225.90	1.06160	502671.98	3635225.90	1.11707
502221.98	3635275.90	0.73615	502271.98	3635275.90	0.74933
502321.98	3635275.90	0.78246	502371.98	3635275.90	0.81811
502421.98	3635275.90	0.85395	502471.98	3635275.90	0.89378
502521.98	3635275.90	0.94176	502571.98	3635275.90	0.97968
502621.98	3635275.90	1.02785	502671.98	3635275.90	1.07951
502221.98	3635325.90	0.73010	502271.98	3635325.90	0.73268
502321.98	3635325.90	0.77124	502371.98	3635325.90	0.80787
502421.98	3635325.90	0.84321	502471.98	3635325.90	0.87688
502521.98	3635325.90	0.91174	502571.98	3635325.90	0.95173
502621.98	3635325.90	0.99578	502671.98	3635325.90	1.04304
502221.98	3635375.90	0.70756	502271.98	3635375.90	0.72287
502321.98	3635375.90	0.75528	502371.98	3635375.90	0.78787
502421.98	3635375.90	0.81840	502471.98	3635375.90	0.84890
502521.98	3635375.90	0.88012	502571.98	3635375.90	0.91737
502621.98	3635375.90	0.95813	502671.98	3635375.90	1.00252
502221.98	3635425.90	0.69081	502271.98	3635425.90	0.70582
502321.98	3635425.90	0.73387	502371.98	3635425.90	0.76149
502421.98	3635425.90	0.78926	502471.98	3635425.90	0.81778
502521.98	3635425.90	0.84846	502571.98		

3635425.90   0.88224
         502621.98   3635425.90   0.91882   502671.98
3635425.90   0.95894
         504771.98   3635425.90   1.17616   502221.98
3635475.90   0.66828
         502271.98   3635475.90   0.68912   502321.98
3635475.90   0.71210
         502371.98   3635475.90   0.73627   502421.98
3635475.90   0.76158
         502471.98   3635475.90   0.78655   502521.98
3635475.90   0.81776
         502571.98   3635475.90   0.84983   502621.98
3635475.90   0.88437
         502671.98   3635475.90   0.91749   504771.98
3635475.90   1.15063
         504821.98   3635475.90   1.09549   504871.98
3635475.90   1.05263
         504921.98   3635475.90   1.00396   502221.98
3635525.90   0.64627
         502271.98   3635525.90   0.66733   502321.98
3635525.90   0.68870
         502371.98   3635525.90   0.71146   502421.98
3635525.90   0.73511
         502471.98   3635525.90   0.75968   502521.98
3635525.90   0.78841
         502571.98   3635525.90   0.81789   502621.98
3635525.90   0.84809
         502671.98   3635525.90   0.87865   502721.98
3635525.90   0.91216
         502771.98   3635525.90   0.94992   502821.98
3635525.90   0.98982
         502871.98   3635525.90   1.03275   502921.98
3635525.90   1.07538
         502971.98   3635525.90   1.11915   503021.98
3635525.90   1.16376
         503071.98   3635525.90   1.21151   503121.98
3635525.90   1.27122
         503171.98   3635525.90   1.31439   503221.98
3635525.90   1.33814

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002

```
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503271.98    3635525.90        1.37903                      503321.98
3635525.90        1.42147
         503371.98    3635525.90        1.46511                      503421.98
3635525.90        1.50729
         503471.98    3635525.90        1.55787                      503521.98
3635525.90        1.60150
         503571.98    3635525.90        1.61749                      503621.98
3635525.90        1.62793
         503671.98    3635525.90        1.64738                      503721.98
3635525.90        1.66900
         503771.98    3635525.90        1.69397                      503821.98
3635525.90        1.71622
         503871.98    3635525.90        1.71795                      503921.98
3635525.90        1.74420
         503971.98    3635525.90        1.76717                      504021.98
3635525.90        1.72035
         504071.98    3635525.90        1.63773                      504121.98
3635525.90        1.59803
         504171.98    3635525.90        1.57428                      504221.98
3635525.90        1.53189
         504271.98    3635525.90        1.49681                      504321.98
3635525.90        1.45768
         504371.98    3635525.90        1.41584                      504421.98
3635525.90        1.37417
         504471.98    3635525.90        1.33190                      504521.98
3635525.90        1.28882
         504571.98    3635525.90        1.25030                      504621.98
3635525.90        1.21443
         504671.98    3635525.90        1.17713                      504721.98
3635525.90        1.15607
         504771.98    3635525.90        1.10951                      504821.98
3635525.90        1.06687
```

```
         504871.98    3635525.90        1.02256                      504921.98
3635525.90        0.96916
         504971.98    3635525.90        0.93274                      505021.98
3635525.90        0.89799
         505071.98    3635525.90        0.85910                      505121.98
3635525.90        0.82220
         505171.98    3635525.90        0.78764                      505221.98
3635525.90        0.75557
         502221.98    3635575.90        0.62010                      502271.98
3635575.90        0.64559
         502321.98    3635575.90        0.66607                      502371.98
3635575.90        0.68718
         502421.98    3635575.90        0.70913                      502471.98
3635575.90        0.73379
         502521.98    3635575.90        0.76138                      502571.98
3635575.90        0.78912
         502621.98    3635575.90        0.81668                      502671.98
3635575.90        0.84487
         502721.98    3635575.90        0.87640                      502771.98
3635575.90        0.91289
         502821.98    3635575.90        0.94974                      502871.98
3635575.90        0.98762
         502921.98    3635575.90        1.02643                      502971.98
3635575.90        1.06447
         503021.98    3635575.90        1.10380                      503071.98
3635575.90        1.14713
         503121.98    3635575.90        1.20129                      503171.98
3635575.90        1.23976
         503221.98    3635575.90        1.26063                      503271.98
3635575.90        1.30185
         503321.98    3635575.90        1.34272                      503371.98
3635575.90        1.38608
         503421.98    3635575.90        1.42746                      503471.98
3635575.90        1.47511
         503521.98    3635575.90        1.51511                      503571.98
3635575.90        1.53153
         503621.98    3635575.90        1.52711                      503671.98
3635575.90        1.54050
         503721.98    3635575.90        1.55603                      503771.98
3635575.90        1.57078
         503821.98    3635575.90        1.58148                      503871.98
3635575.90        1.59883
         503921.98    3635575.90        1.61550                      503971.98
3635575.90        1.63472
         504021.98    3635575.90        1.54288                      504071.98
3635575.90        1.51331
         504121.98    3635575.90        1.49509                      504171.98
3635575.90        1.47468
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                            *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                            INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                               *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635625.90 0.64161
502371.98 3635625.90 0.66414 502421.98
3635625.90 0.67957
502471.98 3635625.90 0.70127 502521.98
3635625.90 0.72585
502571.98 3635625.90 0.75904 502621.98
3635625.90 0.78898
502671.98 3635625.90 0.81445 502721.98
3635625.90 0.84252
502771.98 3635625.90 0.87411 502821.98
3635625.90 0.90618
502871.98 3635625.90 0.93953 502921.98
3635625.90 0.97404
502971.98 3635625.90 1.00938 503021.98
3635625.90 1.04552
503071.98 3635625.90 1.08267 503121.98
3635625.90 1.12005
503171.98 3635625.90 1.15755 503221.98
3635625.90 1.19550
503271.98 3635625.90 1.23356 503321.98
3635625.90 1.27186
503371.98 3635625.90 1.30861 503421.98
3635625.90 1.34659
503471.98 3635625.90 1.39132 503521.98
3635625.90 1.42953
503571.98 3635625.90 1.44882 503621.98
3635625.90 1.44914
503671.98 3635625.90 1.45964 503721.98
3635625.90 1.46963
503771.98 3635625.90 1.48000 503821.98
3635625.90 1.48564
503871.98 3635625.90 1.47780 503921.98
3635625.90 1.49603
503971.98 3635625.90 1.50895 504021.98
3635625.90 1.44994
504071.98 3635625.90 1.41646 504121.98
3635625.90 1.39964
504171.98 3635625.90 1.38089 504221.98
3635625.90 1.36956
504271.98 3635625.90 1.33240 504321.98
3635625.90 1.28174
504371.98 3635625.90 1.25101 504421.98
3635625.90 1.22184
504471.98 3635625.90 1.18726 504521.98
3635625.90 1.15376
504571.98 3635625.90 1.11945 504621.98
3635625.90 1.08665
504671.98 3635625.90 1.05581 504721.98
3635625.90 1.03338
504771.98 3635625.90 1.01821 504821.98

```
3635625.90        0.98915
         504871.98    3635625.90        0.94961                      504921.98
3635625.90        0.89801
         504971.98    3635625.90        0.87946                      505021.98
3635625.90        0.83251
         505071.98    3635625.90        0.80076                      505121.98
3635625.90        0.78225
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                 PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                            *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         505171.98    3635625.90        0.74922                      505221.98
3635625.90        0.71921
         502221.98    3635675.90        0.56490                      502271.98
3635675.90        0.59292
         502321.98    3635675.90        0.61284                      502371.98
3635675.90        0.63505
         502421.98    3635675.90        0.65369                      502471.98
3635675.90        0.67629
         502521.98    3635675.90        0.70066                      502571.98
3635675.90        0.72925
         502621.98    3635675.90        0.75782                      502671.98
3635675.90        0.78517
         502721.98    3635675.90        0.81006                      502771.98
3635675.90        0.83407
```

```
         502821.98    3635675.90        0.86441                    502871.98
3635675.90        0.89503
         502921.98    3635675.90        0.91973                    502971.98
3635675.90        0.95703
         503021.98    3635675.90        0.98804                    503071.98
3635675.90        1.02344
         503121.98    3635675.90        1.05702                    503171.98
3635675.90        1.09091
         503221.98    3635675.90        1.12959                    503271.98
3635675.90        1.16542
         503321.98    3635675.90        1.20033                    503371.98
3635675.90        1.23725
         503421.98    3635675.90        1.27428                    503471.98
3635675.90        1.31005
         503521.98    3635675.90        1.34424                    503571.98
3635675.90        1.36681
         503621.98    3635675.90        1.37178                    503671.98
3635675.90        1.37448
         503721.98    3635675.90        1.39077                    503771.98
3635675.90        1.40108
         503821.98    3635675.90        1.39798                    503871.98
3635675.90        1.39118
         503921.98    3635675.90        1.41297                    503971.98
3635675.90        1.41538
         504021.98    3635675.90        1.37368                    504071.98
3635675.90        1.34888
         504121.98    3635675.90        1.31559                    504171.98
3635675.90        1.29473
         504221.98    3635675.90        1.27695                    504271.98
3635675.90        1.26135
         504321.98    3635675.90        1.21845                    504371.98
3635675.90        1.17987
         504421.98    3635675.90        1.15180                    504471.98
3635675.90        1.13059
         504521.98    3635675.90        1.11440                    504571.98
3635675.90        1.06372
         504621.98    3635675.90        1.04998                    504671.98
3635675.90        1.00898
         504721.98    3635675.90        0.97993                    504771.98
3635675.90        0.99604
         504821.98    3635675.90        0.94978                    504871.98
3635675.90        0.91444
         504921.98    3635675.90        0.86782                    504971.98
3635675.90        0.85317
         505021.98    3635675.90        0.81766                    505071.98
3635675.90        0.77862
         505121.98    3635675.90        0.76259                    505171.98
3635675.90        0.73283
         505221.98    3635675.90        0.70282                    502221.98
3635725.90        0.54159
```

```
         502271.98    3635725.90        0.57038                      502321.98
3635725.90        0.59239
         502371.98    3635725.90        0.61530                      502421.98
3635725.90        0.63231
         502471.98    3635725.90        0.65432                      502521.98
3635725.90        0.67538
         502571.98    3635725.90        0.70492                      502621.98
3635725.90        0.73233
         502671.98    3635725.90        0.75568                      502721.98
3635725.90        0.78001
         502771.98    3635725.90        0.80334                      502821.98
3635725.90        0.82966
         502871.98    3635725.90        0.85780                      502921.98
3635725.90        0.87629
         502971.98    3635725.90        0.90708                      503021.98
3635725.90        0.93316
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503071.98    3635725.90        0.96842                      503121.98
3635725.90        0.99549
         503171.98    3635725.90        1.02684                      503221.98
3635725.90        1.06778
         503271.98    3635725.90        1.09968                      503321.98
```

```
3635725.90        1.13022
         503371.98    3635725.90        1.16375                    503421.98
3635725.90        1.20306
         503471.98    3635725.90        1.23603                    503521.98
3635725.90        1.26695
         503571.98    3635725.90        1.28386                    503621.98
3635725.90        1.29953
         503671.98    3635725.90        1.29622                    503721.98
3635725.90        1.31285
         503771.98    3635725.90        1.32000                    503821.98
3635725.90        1.31442
         503871.98    3635725.90        1.30975                    503921.98
3635725.90        1.32512
         503971.98    3635725.90        1.33426                    504021.98
3635725.90        1.30042
         504071.98    3635725.90        1.28921                    504121.98
3635725.90        1.25747
         504171.98    3635725.90        1.23742                    504221.98
3635725.90        1.25833
         504271.98    3635725.90        1.23720                    504321.98
3635725.90        1.16640
         504371.98    3635725.90        1.13356                    504421.98
3635725.90        1.09143
         504471.98    3635725.90        1.08869                    504521.98
3635725.90        1.07824
         504571.98    3635725.90        1.02763                    504621.98
3635725.90        1.00590
         504671.98    3635725.90        0.98636                    504721.98
3635725.90        0.93946
         504771.98    3635725.90        0.91248                    504821.98
3635725.90        0.90043
         504871.98    3635725.90        0.86513                    504921.98
3635725.90        0.83719
         504971.98    3635725.90        0.82658                    505021.98
3635725.90        0.80029
         505071.98    3635725.90        0.76425                    505121.98
3635725.90        0.74384
         505171.98    3635725.90        0.71564                    505221.98
3635725.90        0.68744
         502221.98    3635775.90        0.52260                    502271.98
3635775.90        0.55246
         502321.98    3635775.90        0.57297                    502371.98
3635775.90        0.59565
         502421.98    3635775.90        0.61270                    502471.98
3635775.90        0.63293
         502521.98    3635775.90        0.65364                    502571.98
3635775.90        0.67771
         502621.98    3635775.90        0.70170                    502671.98
3635775.90        0.72544
         502721.98    3635775.90        0.75222                    502771.98
```

3635775.90   0.77691
         502821.98   3635775.90   0.80040   502871.98
3635775.90   0.82430
         502921.98   3635775.90   0.84161   502971.98
3635775.90   0.86988
         503021.98   3635775.90   0.88747   503071.98
3635775.90   0.91702
         503121.98   3635775.90   0.94393   503171.98
3635775.90   0.97615
         503221.98   3635775.90   0.96509   503271.98
3635775.90   0.97113
         503321.98   3635775.90   1.01739   503371.98
3635775.90   1.08474
         503421.98   3635775.90   1.13276   503471.98
3635775.90   1.16640
         503521.98   3635775.90   1.18980   503571.98
3635775.90   1.22155
         503621.98   3635775.90   1.24011   503671.98
3635775.90   1.23730
         503721.98   3635775.90   1.23293   503771.98
3635775.90   1.24334
         503821.98   3635775.90   1.24472   503871.98
3635775.90   1.25443
         503921.98   3635775.90   1.27944   503971.98
3635775.90   1.28029

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504021.98	3635775.90	1.23920	504071.98	3635775.90	1.25446
504121.98	3635775.90	1.22620	504171.98	3635775.90	1.21340
504221.98	3635775.90	1.21211	504271.98	3635775.90	1.19718
504321.98	3635775.90	1.15048	504371.98	3635775.90	1.10064
504421.98	3635775.90	1.05810	504471.98	3635775.90	1.05741
504521.98	3635775.90	1.04072	504571.98	3635775.90	0.98888
504621.98	3635775.90	0.97380	504671.98	3635775.90	0.93896
504721.98	3635775.90	0.90368	504771.98	3635775.90	0.88025
504821.98	3635775.90	0.85604	504871.98	3635775.90	0.83253
504921.98	3635775.90	0.80831	504971.98	3635775.90	0.80173
505021.98	3635775.90	0.77786	505071.98	3635775.90	0.74405
505121.98	3635775.90	0.72265	505171.98	3635775.90	0.69779
505221.98	3635775.90	0.67284	502221.98	3635825.90	0.50592
502271.98	3635825.90	0.53527	502321.98	3635825.90	0.55564
502371.98	3635825.90	0.57789	502421.98	3635825.90	0.59366
502471.98	3635825.90	0.61338	502521.98	3635825.90	0.63250
502571.98	3635825.90	0.65547	502621.98	3635825.90	0.67826
502671.98	3635825.90	0.70097	502721.98	3635825.90	0.72392
502771.98	3635825.90	0.74828	502821.98	3635825.90	0.77076
502871.98	3635825.90	0.79307	502921.98	3635825.90	0.80901
502971.98	3635825.90	0.83555	503021.98	3635825.90	0.84218
503071.98	3635825.90	0.86050	503121.98	3635825.90	0.88924
503171.98	3635825.90	0.92081	503221.98	3635825.90	0.89519

```
         503271.98    3635825.90        0.91280                       503321.98
3635825.90        0.95430
         503371.98    3635825.90        1.02571                       503421.98
3635825.90        1.06622
         503471.98    3635825.90        1.10097                       503521.98
3635825.90        1.08091
         503571.98    3635825.90        1.12016                       503621.98
3635825.90        1.16744
         503671.98    3635825.90        1.18405                       503721.98
3635825.90        1.18001
         503771.98    3635825.90        1.17471                       503821.98
3635825.90        1.18188
         503871.98    3635825.90        1.18946                       503921.98
3635825.90        1.20474
         503971.98    3635825.90        1.21864                       504021.98
3635825.90        1.18551
         504071.98    3635825.90        1.21997                       504121.98
3635825.90        1.21709
         504171.98    3635825.90        1.18138                       504221.98
3635825.90        1.17072
         504271.98    3635825.90        1.17294                       504321.98
3635825.90        1.13121
         504371.98    3635825.90        1.08468                       504421.98
3635825.90        1.04973
         504471.98    3635825.90        1.03377                       504521.98
3635825.90        1.01687
         504571.98    3635825.90        0.97072                       504621.98
3635825.90        0.94463
         504671.98    3635825.90        0.90401                       504721.98
3635825.90        0.86327
         504771.98    3635825.90        0.84115                       504821.98
3635825.90        0.82784
         504871.98    3635825.90        0.81115                       504921.98
3635825.90        0.78484
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:32:02

                                  PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
```

L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504971.98	3635825.90	0.77090	505021.98	3635825.90	0.74956
505071.98	3635825.90	0.72785	505121.98	3635825.90	0.70257
505171.98	3635825.90	0.68118	505221.98	3635825.90	0.65820
502221.98	3635875.90	0.49156	502271.98	3635875.90	0.52012
502321.98	3635875.90	0.54113	502371.98	3635875.90	0.56068
502421.98	3635875.90	0.57601	502471.98	3635875.90	0.59445
502521.98	3635875.90	0.61169	502571.98	3635875.90	0.63341
502621.98	3635875.90	0.65248	502671.98	3635875.90	0.67442
502721.98	3635875.90	0.69761	502771.98	3635875.90	0.72071
502821.98	3635875.90	0.74150	502871.98	3635875.90	0.76286
502921.98	3635875.90	0.77276	502971.98	3635875.90	0.79770
503021.98	3635875.90	0.80069	503071.98	3635875.90	0.81754
503121.98	3635875.90	0.84170	503171.98	3635875.90	0.87117
503221.98	3635875.90	0.88094	503271.98	3635875.90	0.88615
503321.98	3635875.90	0.93815	503371.98	3635875.90	0.96907
503421.98	3635875.90	1.00823	503471.98	3635875.90	1.03243
503521.98	3635875.90	0.96037	503571.98	3635875.90	1.05379
503621.98	3635875.90	1.10663	503671.98	3635875.90	1.11804
503721.98	3635875.90	1.11670	503771.98		

```
3635875.90        1.11587
         503821.98    3635875.90        1.12427                      503871.98
3635875.90        1.13984
         503921.98    3635875.90        1.14482                      503971.98
3635875.90        1.15231
         504021.98    3635875.90        1.14151                      504071.98
3635875.90        1.16618
         504121.98    3635875.90        1.16519                      504171.98
3635875.90        1.15129
         504221.98    3635875.90        1.15414                      504271.98
3635875.90        1.14674
         504321.98    3635875.90        1.10912                      504371.98
3635875.90        1.07485
         504421.98    3635875.90        1.04894                      504471.98
3635875.90        1.00472
         504521.98    3635875.90        0.97539                      504571.98
3635875.90        0.94583
         504621.98    3635875.90        0.91666                      504671.98
3635875.90        0.88459
         504721.98    3635875.90        0.83006                      504771.98
3635875.90        0.80963
         504821.98    3635875.90        0.79834                      504871.98
3635875.90        0.77794
         504921.98    3635875.90        0.75958                      504971.98
3635875.90        0.74967
         505021.98    3635875.90        0.72447                      505071.98
3635875.90        0.70140
         505121.98    3635875.90        0.68345                      505171.98
3635875.90        0.66307
         505221.98    3635875.90        0.64336                      502221.98
3635925.90        0.47691
         502271.98    3635925.90        0.50468                      502321.98
3635925.90        0.52392
         502371.98    3635925.90        0.54460                      502421.98
3635925.90        0.55909
         502471.98    3635925.90        0.57633                      502521.98
3635925.90        0.59081
         502571.98    3635925.90        0.61068                      502621.98
3635925.90        0.62989
         502671.98    3635925.90        0.65069                      502721.98
3635925.90        0.67270
         502771.98    3635925.90        0.69485                      502821.98
3635925.90        0.71374
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502871.98	3635925.90	0.73421	502921.98	3635925.90	0.74207
502971.98	3635925.90	0.76208	503021.98	3635925.90	0.76486
503071.98	3635925.90	0.77768	503121.98	3635925.90	0.79950
503171.98	3635925.90	0.82058	503221.98	3635925.90	0.83435
503271.98	3635925.90	0.85742	503321.98	3635925.90	0.89169
503371.98	3635925.90	0.92460	503421.98	3635925.90	0.95432
503471.98	3635925.90	0.94305	503521.98	3635925.90	0.91377
503571.98	3635925.90	0.98771	503621.98	3635925.90	1.05198
503671.98	3635925.90	1.05998	503721.98	3635925.90	1.06416
503771.98	3635925.90	1.06915	503821.98	3635925.90	1.07218
503871.98	3635925.90	1.07356	503921.98	3635925.90	1.08131
503971.98	3635925.90	1.09209	504021.98	3635925.90	1.09259
504071.98	3635925.90	1.10373	504121.98	3635925.90	1.11233
504171.98	3635925.90	1.11653	504221.98	3635925.90	1.12229

504271.98 3635925.90 1.10511 504321.98
3635925.90 1.07888
504371.98 3635925.90 1.06117 504421.98
3635925.90 1.04054
504471.98 3635925.90 1.00747 504521.98
3635925.90 0.96589
504571.98 3635925.90 0.92247 504621.98
3635925.90 0.87856
504671.98 3635925.90 0.85800 504721.98
3635925.90 0.82814
504771.98 3635925.90 0.79503 504821.98
3635925.90 0.76170
504871.98 3635925.90 0.74610 504921.98
3635925.90 0.72918
504971.98 3635925.90 0.72670 505021.98
3635925.90 0.71020
505071.98 3635925.90 0.69052 505121.98
3635925.90 0.66597
505171.98 3635925.90 0.64568 505221.98
3635925.90 0.63376
502221.98 3635975.90 0.45929 502271.98
3635975.90 0.48569
502321.98 3635975.90 0.50486 502371.98
3635975.90 0.52719
502421.98 3635975.90 0.54124 502471.98
3635975.90 0.55816
502521.98 3635975.90 0.57264 502571.98
3635975.90 0.59363
502621.98 3635975.90 0.61143 502671.98
3635975.90 0.62905
502721.98 3635975.90 0.64921 502771.98
3635975.90 0.66927
502821.98 3635975.90 0.68686 502871.98
3635975.90 0.70714
502921.98 3635975.90 0.71468 502971.98
3635975.90 0.73295
503021.98 3635975.90 0.73367 503071.98
3635975.90 0.74950
503121.98 3635975.90 0.76322 503171.98
3635975.90 0.78124
503221.98 3635975.90 0.79856 503271.98
3635975.90 0.82603
503321.98 3635975.90 0.85353 503371.98
3635975.90 0.89044
503421.98 3635975.90 0.88164 503471.98
3635975.90 0.87619
503521.98 3635975.90 0.90973 503571.98
3635975.90 0.97676
503621.98 3635975.90 0.99907 503671.98
3635975.90 1.00837

```
         503721.98    3635975.90        1.01390                      503771.98
3635975.90        1.01829
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503821.98    3635975.90        1.02010                      503871.98
3635975.90        1.01852
         503921.98    3635975.90        1.02458                      503971.98
3635975.90        1.03396
         504021.98    3635975.90        1.04564                      504071.98
3635975.90        1.05858
         504121.98    3635975.90        1.06861                      504171.98
3635975.90        1.07572
         504221.98    3635975.90        1.07665                      504271.98
3635975.90        1.06531
         504321.98    3635975.90        1.05343                      504371.98
3635975.90        1.04276
         504421.98    3635975.90        1.02337                      504471.98
3635975.90        0.99199
         504521.98    3635975.90        0.96510                      504571.98
3635975.90        0.93324
         504621.98    3635975.90        0.90680                      504671.98
3635975.90        0.86384
         504721.98    3635975.90        0.83161                      504771.98
```

3635975.90 0.79512
504821.98 3635975.90 0.75853 504871.98
3635975.90 0.73129
504921.98 3635975.90 0.70660 504971.98
3635975.90 0.70302
505021.98 3635975.90 0.68816 505071.98
3635975.90 0.67113
505121.98 3635975.90 0.65080 505171.98
3635975.90 0.63202
505221.98 3635975.90 0.61082 501721.98
3632475.90 0.31632
501821.98 3632475.90 0.32964 501921.98
3632475.90 0.34355
502021.98 3632475.90 0.35805 502121.98
3632475.90 0.37308
502221.98 3632475.90 0.38866 502321.98
3632475.90 0.40472
502421.98 3632475.90 0.42110 502521.98
3632475.90 0.43772
502621.98 3632475.90 0.45431 502721.98
3632475.90 0.46394
502821.98 3632475.90 0.46310 502921.98
3632475.90 0.44803
503021.98 3632475.90 0.43851 503121.98
3632475.90 0.42180
503221.98 3632475.90 0.44026 503321.98
3632475.90 0.41385
503421.98 3632475.90 0.40140 503721.98
3632475.90 0.38106
503821.98 3632475.90 0.35099 503921.98
3632475.90 0.32277
504021.98 3632475.90 0.30034 504121.98
3632475.90 0.29493
504221.98 3632475.90 0.27659 504321.98
3632475.90 0.26914
504421.98 3632475.90 0.28839 504521.98
3632475.90 0.30794
504621.98 3632475.90 0.26880 504721.98
3632475.90 0.25523
504821.98 3632475.90 0.25607 504921.98
3632475.90 0.25176
505021.98 3632475.90 0.24386 505121.98
3632475.90 0.24702
505221.98 3632475.90 0.24054 505321.98
3632475.90 0.23898
505421.98 3632475.90 0.24016 505521.98
3632475.90 0.24239
505621.98 3632475.90 0.24908 505721.98
3632475.90 0.25901
501721.98 3632575.90 0.32906 501821.98

```
3632575.90        0.34360
         501921.98    3632575.90        0.35886                      502021.98
3632575.90        0.37485
         502121.98    3632575.90        0.39153                      502221.98
3632575.90        0.40892
         502321.98    3632575.90        0.42690                      502421.98
3632575.90        0.44539
         502521.98    3632575.90        0.46425                      502621.98
3632575.90        0.48333
         502721.98    3632575.90        0.50156                      502821.98
3632575.90        0.51471
```



```
                            *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502921.98    3632575.90        0.49960                      503021.98
3632575.90        0.48008
         503121.98    3632575.90        0.47656                      503221.98
3632575.90        0.46970
         503321.98    3632575.90        0.44991                      503421.98
3632575.90        0.42799
         503721.98    3632575.90        0.39110                      503821.98
3632575.90        0.35809
         503921.98    3632575.90        0.28527                      504021.98
3632575.90        0.26949
```

504121.98 3632575.90 0.26873 504221.98 3632575.90 0.26704
504321.98 3632575.90 0.26153 504421.98 3632575.90 0.27078
504521.98 3632575.90 0.29943 504621.98 3632575.90 0.28875
504721.98 3632575.90 0.26438 504821.98 3632575.90 0.26848
504921.98 3632575.90 0.26317 505021.98 3632575.90 0.25682
505121.98 3632575.90 0.26147 505221.98 3632575.90 0.26144
505321.98 3632575.90 0.26103 505421.98 3632575.90 0.26448
505521.98 3632575.90 0.26794 505621.98 3632575.90 0.27536
505721.98 3632575.90 0.28030 501721.98 3632675.90 0.34229
501821.98 3632675.90 0.35814 501921.98 3632675.90 0.37489
502021.98 3632675.90 0.39254 502121.98 3632675.90 0.41104
502221.98 3632675.90 0.43039 502321.98 3632675.90 0.45060
502421.98 3632675.90 0.47152 502521.98 3632675.90 0.49302
502621.98 3632675.90 0.51488 502721.98 3632675.90 0.53691
502821.98 3632675.90 0.50280 502921.98 3632675.90 0.47985
503021.98 3632675.90 0.47241 503721.98 3632675.90 0.41813
503821.98 3632675.90 0.39272 503921.98 3632675.90 0.35394
504021.98 3632675.90 0.30875 504121.98 3632675.90 0.28987
504221.98 3632675.90 0.28217 504321.98 3632675.90 0.28033
504421.98 3632675.90 0.28574 504521.98 3632675.90 0.29277
504621.98 3632675.90 0.28968 504721.98 3632675.90 0.28585
504821.98 3632675.90 0.28703 504921.98 3632675.90 0.28253
505021.98 3632675.90 0.28025 505121.98 3632675.90 0.28276
505221.98 3632675.90 0.28382 505321.98 3632675.90 0.28325
505421.98 3632675.90 0.28980 505521.98 3632675.90 0.29864

```
         505621.98    3632675.90        0.30252                        505721.98
3632675.90        0.29668
         502421.98    3632775.90        0.48877                        502521.98
3632775.90        0.45880
         502621.98    3632775.90        0.49535                        502721.98
3632775.90        0.57486
         502821.98    3632775.90        0.51247                        502921.98
3632775.90        0.42643
         503021.98    3632775.90        0.39169                        503121.98
3632775.90        0.43732
         503221.98    3632775.90        0.48092                        503621.98
3632775.90        0.47943
         503721.98    3632775.90        0.45945                        503821.98
3632775.90        0.40483
         503921.98    3632775.90        0.39558                        504021.98
3632775.90        0.38157
         504121.98    3632775.90        0.34471                        504221.98
3632775.90        0.31844
         504321.98    3632775.90        0.30758                        504421.98
3632775.90        0.30860
♠ *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                   PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         504521.98    3632775.90        0.31014                        504621.98
```

3632775.90 0.30857
504721.98 3632775.90 0.30920 504821.98
3632775.90 0.30756
504921.98 3632775.90 0.30782 505021.98
3632775.90 0.30826
505121.98 3632775.90 0.30978 505221.98
3632775.90 0.30936
505321.98 3632775.90 0.31277 505421.98
3632775.90 0.32120
505521.98 3632775.90 0.32934 505621.98
3632775.90 0.33187
505721.98 3632775.90 0.32505 501721.98
3632875.90 0.37027
501821.98 3632875.90 0.38916 501921.98
3632875.90 0.40926
502021.98 3632875.90 0.43061 502121.98
3632875.90 0.45335
502221.98 3632875.90 0.47730 502321.98
3632875.90 0.50280
502421.98 3632875.90 0.52972 502521.98
3632875.90 0.55777
502621.98 3632875.90 0.58687 502721.98
3632875.90 0.61655
502821.98 3632875.90 0.55324 502921.98
3632875.90 0.42602
503021.98 3632875.90 0.31454 503121.98
3632875.90 0.39450
503221.98 3632875.90 0.55321 503321.98
3632875.90 0.57598
503421.98 3632875.90 0.56935 503621.98
3632875.90 0.52278
503721.98 3632875.90 0.49605 503821.98
3632875.90 0.42921
503921.98 3632875.90 0.37121 504021.98
3632875.90 0.36609
504121.98 3632875.90 0.35954 504221.98
3632875.90 0.34223
504321.98 3632875.90 0.33833 504421.98
3632875.90 0.33527
504521.98 3632875.90 0.33499 504621.98
3632875.90 0.33515
504721.98 3632875.90 0.33726 504821.98
3632875.90 0.33648
504921.98 3632875.90 0.33868 505021.98
3632875.90 0.34121
505121.98 3632875.90 0.34115 505221.98
3632875.90 0.34385
505321.98 3632875.90 0.35042 505421.98
3632875.90 0.36031
505521.98 3632875.90 0.36032 505621.98

```
3632875.90        0.36194
         505721.98    3632875.90        0.35174                        501721.98
3632975.90        0.38469
         501821.98    3632975.90        0.40535                        501921.98
3632975.90        0.42743
         502021.98    3632975.90        0.45104                        502121.98
3632975.90        0.47621
         505321.98    3632975.90        0.39715                        505421.98
3632975.90        0.39892
         505521.98    3632975.90        0.40050                        505621.98
3632975.90        0.39446
         505721.98    3632975.90        0.38060                        501721.98
3633075.90        0.39924
         501821.98    3633075.90        0.42171                        501921.98
3633075.90        0.44603
         502021.98    3633075.90        0.47207                        502121.98
3633075.90        0.50012
         505321.98    3633075.90        0.44043                        505421.98
3633075.90        0.44429
         505521.98    3633075.90        0.44222                        505621.98
3633075.90        0.43059
         505721.98    3633075.90        0.40825                        501721.98
3633175.90        0.41393
         501821.98    3633175.90        0.43841                        501921.98
3633175.90        0.46490
         502021.98    3633175.90        0.49371                        502121.98
3633175.90        0.52443
         505321.98    3633175.90        0.48890                        505421.98
3633175.90        0.48357
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                 PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633175.90	0.47962	505621.98	3633175.90	0.46956
505721.98	3633175.90	0.44060	501721.98	3633275.90	0.42862
501821.98	3633275.90	0.45538	501921.98	3633275.90	0.48431
502021.98	3633275.90	0.51592	502121.98	3633275.90	0.54994
505321.98	3633275.90	0.54311	505421.98	3633275.90	0.52236
505521.98	3633275.90	0.51580	505621.98	3633275.90	0.50711
505721.98	3633275.90	0.47698	501721.98	3633375.90	0.44315
501821.98	3633375.90	0.47199	501921.98	3633375.90	0.50347
502021.98	3633375.90	0.53805	502121.98	3633375.90	0.57602
505321.98	3633375.90	0.60444	505421.98	3633375.90	0.56474
505521.98	3633375.90	0.54510	505621.98	3633375.90	0.53919
505721.98	3633375.90	0.51263	501721.98	3633475.90	0.45758
501821.98	3633475.90	0.48864	501921.98	3633475.90	0.52298
502021.98	3633475.90	0.56073	502121.98	3633475.90	0.60204
505321.98	3633475.90	0.65886	505421.98	3633475.90	0.60824
505521.98	3633475.90	0.58306	505621.98	3633475.90	0.55767
505721.98	3633475.90	0.53038	501721.98	3633575.90	0.47166
501821.98	3633575.90	0.50500	501921.98	3633575.90	0.54183
502021.98	3633575.90	0.58266	502121.98	3633575.90	0.62901
505321.98	3633575.90	0.70407	505421.98	3633575.90	0.63636
505521.98	3633575.90	0.59917	505621.98	3633575.90	0.56933

```
         505721.98    3633575.90        0.53674                        501721.98
3633675.90        0.48533
         501821.98    3633675.90        0.52058                        501921.98
3633675.90        0.56026
         502021.98    3633675.90        0.60467                        502121.98
3633675.90        0.65472
         505321.98    3633675.90        0.72043                        505421.98
3633675.90        0.63699
         505521.98    3633675.90        0.59590                        505621.98
3633675.90        0.56847
         505721.98    3633675.90        0.55161                        501721.98
3633775.90        0.49833
         501821.98    3633775.90        0.53575                        501921.98
3633775.90        0.57784
         502021.98    3633775.90        0.62527                        502121.98
3633775.90        0.67876
         505321.98    3633775.90        0.73207                        505421.98
3633775.90        0.66012
         505521.98    3633775.90        0.60920                        505621.98
3633775.90        0.58408
         505721.98    3633775.90        0.56927                        501721.98
3633875.90        0.51019
         501821.98    3633875.90        0.55007                        501921.98
3633875.90        0.59358
         502021.98    3633875.90        0.64489                        502121.98
3633875.90        0.70209
         505321.98    3633875.90        0.75169                        505421.98
3633875.90        0.69225
         505521.98    3633875.90        0.63442                        505621.98
3633875.90        0.58484
         505721.98    3633875.90        0.56343                        501721.98
3633975.90        0.52100
         501821.98    3633975.90        0.56246                        501921.98
3633975.90        0.60937
         502021.98    3633975.90        0.66250                        502121.98
3633975.90        0.72392
         505321.98    3633975.90        0.75390                        505421.98
3633975.90        0.68423
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                   PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                            *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
```

L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633975.90	0.61859	505621.98	3633975.90	0.56397
505721.98	3633975.90	0.53109	501721.98	3634075.90	0.53035
501821.98	3634075.90	0.57357	501921.98	3634075.90	0.62254
502021.98	3634075.90	0.67834	502121.98	3634075.90	0.74239
505321.98	3634075.90	0.70619	505421.98	3634075.90	0.64102
505521.98	3634075.90	0.60418	505621.98	3634075.90	0.56107
505721.98	3634075.90	0.50187	501721.98	3634175.90	0.53717
501821.98	3634175.90	0.58250	501921.98	3634175.90	0.63342
502021.98	3634175.90	0.68967	502121.98	3634175.90	0.75735
505321.98	3634175.90	0.71519	505421.98	3634175.90	0.66540
505521.98	3634175.90	0.62213	505621.98	3634175.90	0.54020
505721.98	3634175.90	0.47678	501721.98	3634275.90	0.54274
501821.98	3634275.90	0.58809	501921.98	3634275.90	0.63977
502021.98	3634275.90	0.69874	502121.98	3634275.90	0.76748
505321.98	3634275.90	0.77235	505421.98	3634275.90	0.71678
505521.98	3634275.90	0.58411	505621.98	3634275.90	0.52126
505721.98	3634275.90	0.46119	501721.98		

```
3634375.90        0.54801
         501821.98    3634375.90        0.59485                      501921.98
3634375.90        0.64661
         502021.98    3634375.90        0.70687                      502121.98
3634375.90        0.77848
         505321.98    3634375.90        0.79905                      505421.98
3634375.90        0.71552
         505521.98    3634375.90        0.55613                      505621.98
3634375.90        0.48389
         505721.98    3634375.90        0.44045                      501721.98
3634475.90        0.55126
         501821.98    3634475.90        0.59854                      501921.98
3634475.90        0.65223
         502021.98    3634475.90        0.71461                      502121.98
3634475.90        0.78564
         505321.98    3634475.90        0.78923                      505421.98
3634475.90        0.82625
         505521.98    3634475.90        0.65172                      505621.98
3634475.90        0.53236
         505721.98    3634475.90        0.44967                      501721.98
3634575.90        0.55212
         501821.98    3634575.90        0.59887                      501921.98
3634575.90        0.65245
         502021.98    3634575.90        0.71469                      502121.98
3634575.90        0.78697
         505321.98    3634575.90        0.77667                      505421.98
3634575.90        0.87084
         505521.98    3634575.90        0.76135                      505621.98
3634575.90        0.57433
         505721.98    3634575.90        0.47577                      501721.98
3634675.90        0.55125
         501821.98    3634675.90        0.59807                      501921.98
3634675.90        0.65110
         502021.98    3634675.90        0.71252                      502121.98
3634675.90        0.78149
         505321.98    3634675.90        0.79264                      505421.98
3634675.90        0.87805
         505521.98    3634675.90        0.86057                      505621.98
3634675.90        0.70655
         505721.98    3634675.90        0.54624                      501721.98
3634775.90        0.54772
         501821.98    3634775.90        0.59381                      501921.98
3634775.90        0.64534
         502021.98    3634775.90        0.70549                      502121.98
3634775.90        0.77411
         505321.98    3634775.90        0.80127                      505421.98
3634775.90        0.95242
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3634775.90	0.87147	505621.98	3634775.90	0.77640
505721.98	3634775.90	0.66511	501721.98	3634875.90	0.54166
501821.98	3634875.90	0.58636	501921.98	3634875.90	0.63655
502021.98	3634875.90	0.69361	502121.98	3634875.90	0.75942
505321.98	3634875.90	0.85324	505421.98	3634875.90	0.92757
505521.98	3634875.90	0.85117	505621.98	3634875.90	0.78375
505721.98	3634875.90	0.72008	501721.98	3634975.90	0.53349
501821.98	3634975.90	0.57576	501921.98	3634975.90	0.62313
502021.98	3634975.90	0.67730	502121.98	3634975.90	0.73946
505321.98	3634975.90	0.87769	505421.98	3634975.90	0.87766
505521.98	3634975.90	0.80937	505621.98	3634975.90	0.74979
505721.98	3634975.90	0.69678	501721.98	3635075.90	0.56256

501821.98 3635075.90 0.56731 501921.98
3635075.90 0.71833
502021.98 3635075.90 0.76177 502121.98
3635075.90 0.71596
505321.98 3635075.90 0.86829 505421.98
3635075.90 0.82579
505521.98 3635075.90 0.76321 505621.98
3635075.90 0.70938
505721.98 3635075.90 0.66016 501721.98
3635175.90 0.60180
501821.98 3635175.90 0.63285 501921.98
3635175.90 0.69936
502021.98 3635175.90 0.73422 502121.98
3635175.90 0.71816
505321.98 3635175.90 0.84596 505421.98
3635175.90 0.78015
505521.98 3635175.90 0.72143 505621.98
3635175.90 0.67029
505721.98 3635175.90 0.62562 501721.98
3635275.90 0.59081
501821.98 3635275.90 0.62176 501921.98
3635275.90 0.65597
502021.98 3635275.90 0.69217 502121.98
3635275.90 0.71907
505621.98 3635275.90 0.63554 505721.98
3635275.90 0.59419
501721.98 3635375.90 0.54258 501821.98
3635375.90 0.57326
501921.98 3635375.90 0.60284 502021.98
3635375.90 0.63513
502121.98 3635375.90 0.67393 505621.98
3635375.90 0.60959
501721.98 3635475.90 0.49110 501821.98
3635475.90 0.51757
501921.98 3635475.90 0.55588 502021.98
3635475.90 0.59413
502121.98 3635475.90 0.62873 505621.98
3635475.90 0.58698
505721.98 3635475.90 0.54979 501721.98
3635575.90 0.44963
501821.98 3635575.90 0.47646 501921.98
3635575.90 0.51512
502021.98 3635575.90 0.54651 502121.98
3635575.90 0.57456
505321.98 3635575.90 0.68472 505421.98
3635575.90 0.64271
505521.98 3635575.90 0.60067 505621.98
3635575.90 0.56245
505721.98 3635575.90 0.52784 501721.98
3635675.90 0.41063

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         505521.98   3635675.90   0.57313   505621.98
3635675.90   0.53829
         505721.98   3635675.90   0.50648   501721.98
3635775.90   0.37545
         501821.98   3635775.90   0.40906   501921.98
3635775.90   0.44016
         502021.98   3635775.90   0.46606   502121.98
3635775.90   0.49302
         505321.98   3635775.90   0.62632   505421.98
3635775.90   0.58436
         505521.98   3635775.90   0.54584   505621.98
3635775.90   0.51024
         505721.98   3635775.90   0.48135   501721.98
3635875.90   0.34322
         501821.98   3635875.90   0.37719   501921.98

3635875.90 0.41007
502021.98 3635875.90 0.43245 502121.98
3635875.90 0.45959
505321.98 3635875.90 0.60884 505421.98
3635875.90 0.56029
505521.98 3635875.90 0.52512 505621.98
3635875.90 0.49260
505721.98 3635875.90 0.46431 501721.98
3635975.90 0.32170
501821.98 3635975.90 0.35518 501921.98
3635975.90 0.38333
502021.98 3635975.90 0.40256 502121.98
3635975.90 0.42801
505321.98 3635975.90 0.57831 505421.98
3635975.90 0.53894
505521.98 3635975.90 0.50505 505621.98
3635975.90 0.47628
505721.98 3635975.90 0.44711 501721.98
3636075.90 0.30957
501821.98 3636075.90 0.33210 501921.98
3636075.90 0.35704
502021.98 3636075.90 0.37627 502121.98
3636075.90 0.40130
502221.98 3636075.90 0.43302 502321.98
3636075.90 0.47289
502421.98 3636075.90 0.50862 502521.98
3636075.90 0.53890
502621.98 3636075.90 0.57096 502721.98
3636075.90 0.60635
502821.98 3636075.90 0.63969 502921.98
3636075.90 0.66398
503021.98 3636075.90 0.68574 503121.98
3636075.90 0.68772
503221.98 3636075.90 0.73497 503321.98
3636075.90 0.79015
503421.98 3636075.90 0.83388 503521.98
3636075.90 0.87666
503621.98 3636075.90 0.90422 503721.98
3636075.90 0.91901
503821.98 3636075.90 0.92841 503921.98
3636075.90 0.93893
504021.98 3636075.90 0.95414 504121.98
3636075.90 0.96395
504221.98 3636075.90 0.96685 504321.98
3636075.90 0.96603
504421.98 3636075.90 0.93598 504521.98
3636075.90 0.89055
504621.98 3636075.90 0.86108 504721.98
3636075.90 0.82350
504821.98 3636075.90 0.75368 504921.98

3636075.90   0.68875
         505021.98   3636075.90   0.65231   505121.98
3636075.90   0.61524
         505221.98   3636075.90   0.58124   505321.98
3636075.90   0.55157
         505421.98   3636075.90   0.51378   505521.98
3636075.90   0.48842
         505621.98   3636075.90   0.45992   505721.98
3636075.90   0.43308
         501721.98   3636175.90   0.28803   501821.98
3636175.90   0.30979
         501921.98   3636175.90   0.33553   502021.98
3636175.90   0.35536
         502121.98   3636175.90   0.37951   502221.98
3636175.90   0.41132

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                                     L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                                     L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                                     L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                      **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         502921.98    3636175.90        0.61402                    503021.98
3636175.90        0.62633
         503121.98    3636175.90        0.60183                    503221.98
3636175.90        0.66344
         503321.98    3636175.90        0.72086                    503421.98
3636175.90        0.76041
         503521.98    3636175.90        0.79217                    503621.98
3636175.90        0.81887
         503721.98    3636175.90        0.83039                    503821.98
3636175.90        0.83498
         503921.98    3636175.90        0.83840                    504021.98
3636175.90        0.84281
         504121.98    3636175.90        0.83796                    504221.98
3636175.90        0.84330
         504321.98    3636175.90        0.79922                    504421.98
3636175.90        0.73184
         504521.98    3636175.90        0.63258                    504621.98
3636175.90        0.67535
         504721.98    3636175.90        0.76447                    504821.98
3636175.90        0.73074
         504921.98    3636175.90        0.69294                    505021.98
3636175.90        0.63775
         505121.98    3636175.90        0.58360                    505221.98
3636175.90        0.55504
         505321.98    3636175.90        0.53084                    505421.98
3636175.90        0.50358
         505521.98    3636175.90        0.47155                    505621.98
3636175.90        0.44565
         505721.98    3636175.90        0.42065                    501721.98
3636275.90        0.27489
         501821.98    3636275.90        0.29400                    501921.98
3636275.90        0.31736
         502021.98    3636275.90        0.34136                    502121.98
3636275.90        0.36956
         502221.98    3636275.90        0.39960                    502321.98
3636275.90        0.42922
         502421.98    3636275.90        0.45718                    502521.98
3636275.90        0.48387
         502621.98    3636275.90        0.50547                    502721.98
3636275.90        0.52762
         502821.98    3636275.90        0.54758                    502921.98
3636275.90        0.56368
         503021.98    3636275.90        0.58260                    503121.98
3636275.90        0.58354
         503221.98    3636275.90        0.59169                    503321.98
3636275.90        0.63178
         503421.98    3636275.90        0.67837                    503521.98
3636275.90        0.71155
         503621.98    3636275.90        0.73447                    503721.98
3636275.90        0.74612
```

```
         503821.98    3636275.90        0.74921                        503921.98
3636275.90        0.74833
         504021.98    3636275.90        0.73855                        504121.98
3636275.90        0.71321
         504221.98    3636275.90        0.64880                        504321.98
3636275.90        0.53506
         504421.98    3636275.90        0.51613                        504521.98
3636275.90        0.49448
         504621.98    3636275.90        0.52896                        504721.98
3636275.90        0.59338
         504821.98    3636275.90        0.53723                        504921.98
3636275.90        0.62699
         505021.98    3636275.90        0.60698                        505121.98
3636275.90        0.55535
         505221.98    3636275.90        0.52912                        505321.98
3636275.90        0.51011
         505421.98    3636275.90        0.48711                        505521.98
3636275.90        0.45716
         505621.98    3636275.90        0.43309                        505721.98
3636275.90        0.41065
         501721.98    3636375.90        0.26192                        501821.98
3636375.90        0.28149
         501921.98    3636375.90        0.30665                        502021.98
3636375.90        0.32831
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:32:02

                                  PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
```

Y-COORD (M) CONC

- - - -

```
3636475.90        0.45913
         502821.98    3636475.90        0.45852                        502921.98
3636475.90        0.46569
         503021.98    3636475.90        0.46673                        503121.98
3636475.90        0.46136
         503221.98    3636475.90        0.46102                        503321.98
3636475.90        0.49442
         503421.98    3636475.90        0.53361                        503521.98
3636475.90        0.56320
         503621.98    3636475.90        0.57990                        503721.98
3636475.90        0.59749
         503821.98    3636475.90        0.58743                        503921.98
3636475.90        0.56791
         504021.98    3636475.90        0.47354                        504121.98
3636475.90        0.48591
         504221.98    3636475.90        0.48125                        504321.98
3636475.90        0.42646
         504421.98    3636475.90        0.41315                        504521.98
3636475.90        0.40798
         504621.98    3636475.90        0.40486                        504721.98
3636475.90        0.40210
         504821.98    3636475.90        0.39510                        504921.98
3636475.90        0.41292
         505021.98    3636475.90        0.50592                        505121.98
3636475.90        0.52194
         505221.98    3636475.90        0.49446                        505321.98
3636475.90        0.47106
         505421.98    3636475.90        0.44689                        505521.98
3636475.90        0.42709
         505621.98    3636475.90        0.40818                        505721.98
3636475.90        0.38847
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                   PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633475.90	8.81192	(19010119)	502771.98	3633475.90	9.66051	(21030103)
502821.98	3633475.90	12.79139	(21030103)	502871.98	3633475.90	16.19573	(21030103)
502921.98	3633475.90	19.47261	(21030103)	502971.98	3633475.90	22.12101	(21030103)
503021.98	3633475.90	23.60944	(21030103)	503071.98	3633475.90	29.05562	(20121603)
503121.98	3633475.90	33.08903	(20121603)	503171.98	3633475.90	34.40286	(20121603)
503221.98	3633475.90	32.42241	(20121603)	503271.98	3633475.90	28.69149	(21063005)
503321.98	3633475.90	55.83701	(20092124)	503371.98	3633475.90	50.04493	(20102407)
503421.98	3633475.90	52.14489	(20111701)	503471.98	3633475.90	46.85029	(20111701)
503521.98	3633475.90	51.14914	(21020924)	503621.98	3633475.90	53.62267	(19082022)
503671.98	3633475.90	42.93426	(19091221)	503721.98	3633475.90	40.52189	(20101121)
503771.98	3633475.90	40.51403	(20082921)	503821.98	3633475.90	43.00164	(20082921)
503871.98	3633475.90	41.15776	(20081802)	503921.98	3633475.90	42.03787	(20081802)
503971.98	3633475.90	41.98425	(20080922)	504021.98	3633475.90	37.26966	(21062104)
504071.98	3633475.90	37.67964	(19102905)	504121.98	3633475.90	40.89796	(20081021)
504171.98	3633475.90	37.63235	(20082321)	504221.98	3633475.90	38.58672	(20073022)
504271.98	3633475.90	39.72650	(20072721)	504321.98	3633475.90	40.36716	(20072721)
504371.98	3633475.90	35.59771	(21011323)	504421.98	3633475.90	35.28644	(21010102)
504471.98	3633475.90	34.62392	(19022705)	504521.98	3633475.90	34.86456	(21021820)
504571.98	3633475.90	34.58413	(21011520)	504621.98	3633475.90	33.43573	(21010522)
504671.98	3633475.90	32.62093	(19122301)	504721.98	3633475.90	31.12635	(20122923)

```
        502721.98   3633525.90       10.08284  (19010119)                502771.98
3633525.90        9.57513  (19010119)
        502821.98   3633525.90       10.54717  (21030103)                502871.98
3633525.90       14.03430  (21030103)
        502921.98   3633525.90       17.78932  (21030103)                502971.98
3633525.90       21.33673  (21030103)
        503021.98   3633525.90       24.06196  (21030103)                503071.98
3633525.90       26.80080  (20121603)
        503121.98   3633525.90       32.57766  (20121603)                503171.98
3633525.90       36.10304  (20121603)
        503221.98   3633525.90       36.27800  (20121603)                503271.98
3633525.90       32.89471  (20121603)
        503321.98   3633525.90       33.66247  (21063005)                503371.98
3633525.90       55.28150  (20092124)
        503421.98   3633525.90       59.07378  (20111701)                503471.98
3633525.90       57.03540  (20111701)
        503521.98   3633525.90       58.06755  (19081924)                503621.98
3633525.90       59.79182  (19101521)
        503671.98   3633525.90       52.42962  (19101521)                503721.98
3633525.90       52.50033  (20050102)
        503771.98   3633525.90       49.61871  (20082921)                503821.98
3633525.90       48.85383  (20082921)
        503871.98   3633525.90       48.29904  (20082921)                503921.98
3633525.90       46.79863  (20081802)
        503971.98   3633525.90       47.29420  (20080922)                504021.98
3633525.90       41.51466  (21062104)
        504071.98   3633525.90       42.11355  (20081021)                504121.98
3633525.90       46.20061  (20081021)
        504171.98   3633525.90       44.94827  (20083021)                504221.98
3633525.90       46.03839  (20073022)
        504271.98   3633525.90       44.57212  (20072721)                504321.98
3633525.90       36.61483  (21011323)
        504371.98   3633525.90       36.57097  (21010102)                504421.98
3633525.90       36.53668  (20011902)
        504471.98   3633525.90       36.40705  (21021820)                504521.98
3633525.90       36.09802  (21011520)
        504571.98   3633525.90       34.85785  (21010522)                504621.98
3633525.90       34.30126  (19122301)
        504671.98   3633525.90       32.93095  (20122923)                504721.98
3633525.90       33.39324  (21022502)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE 106
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633575.90	11.18359	(19010119)	502771.98	3633575.90	10.94418	(19010119)
502821.98	3633575.90	10.44549	(19010119)	502871.98	3633575.90	11.56676	(21030103)
502921.98	3633575.90	15.45896	(21030103)	502971.98	3633575.90	19.61448	(21030103)
503021.98	3633575.90	23.44089	(21030103)	503071.98	3633575.90	26.20921	(21030103)
503121.98	3633575.90	30.61448	(20121603)	503171.98	3633575.90	36.35500	(20121603)
503221.98	3633575.90	39.07362	(20121603)	503271.98	3633575.90	37.77121	(20121603)
503321.98	3633575.90	33.42724	(21063005)	503371.98	3633575.90	56.67604	(20092124)
503421.98	3633575.90	56.17939	(20082723)	503471.98	3633575.90	60.72896	(19081924)
503521.98	3633575.90	72.48066	(19081924)	503621.98	3633575.90	61.98261	(19110606)
503671.98	3633575.90	60.43448	(19101521)	503721.98	3633575.90	61.79973	(20050102)
503771.98	3633575.90	57.93491	(20082921)	503821.98	3633575.90	60.43281	(20082921)
503871.98	3633575.90	60.14551	(20082921)	503921.98	3633575.90	53.03741	(20080922)
503971.98	3633575.90	52.71951	(20080922)	504021.98	3633575.90	49.49328	(21062104)
504071.98	3633575.90	49.93742	(20081021)	504121.98	3633575.90	50.68564	(20081021)
504171.98	3633575.90	50.68938	(20073022)	504221.98	3633575.90	51.77879	(20073022)
504271.98	3633575.90	45.03899	(20072721)	504321.98			

```
3633575.90       38.69508  (21011323)
        504371.98   3633575.90       38.29568  (20011902)                504421.98
3633575.90       38.18749  (19022705)
        504471.98   3633575.90       37.48887  (21011520)                504521.98
3633575.90       36.53155  (21011520)
        504571.98   3633575.90       36.09317  (19122301)                504621.98
3633575.90       34.85997  (20122923)
        504671.98   3633575.90       35.06263  (21022502)                504721.98
3633575.90       33.97035  (19120104)
        502721.98   3633625.90       12.76253  (21111004)                502771.98
3633625.90       12.12321  (19010119)
        502821.98   3633625.90       11.93438  (19010119)                502871.98
3633625.90       11.43403  (19010119)
        502921.98   3633625.90       12.72730  (21030103)                502971.98
3633625.90       17.10341  (21030103)
        503021.98   3633625.90       21.71697  (21030103)                503071.98
3633625.90       25.82863  (21030103)
        503121.98   3633625.90       28.57571  (21030103)                503171.98
3633625.90       34.93179  (20121603)
        503221.98   3633625.90       40.36887  (20121603)                503271.98
3633625.90       41.85640  (20121603)
        503321.98   3633625.90       38.69731  (20121603)                503371.98
3633625.90       39.48648  (21063005)
        503421.98   3633625.90       54.00578  (20102407)                503471.98
3633625.90       60.76997  (20111701)
        503521.98   3633625.90       73.27711  (19081924)                503621.98
3633625.90       66.59913  (19110606)
        503671.98   3633625.90       64.26115  (19101521)                503721.98
3633625.90       65.69768  (20050102)
        503771.98   3633625.90       61.56784  (20082921)                503821.98
3633625.90       67.25524  (20082921)
        503871.98   3633625.90       64.91318  (20082921)                503921.98
3633625.90       57.04709  (20080922)
        503971.98   3633625.90       57.01486  (20080922)                504021.98
3633625.90       53.53094  (21082502)
        504071.98   3633625.90       55.42133  (20081021)                504121.98
3633625.90       56.07872  (20082321)
        504171.98   3633625.90       57.61977  (20073022)                504221.98
3633625.90       54.74602  (20073020)
        504271.98   3633625.90       46.70847  (20072721)                504321.98
3633625.90       42.25489  (20072922)
        504371.98   3633625.90       39.58458  (19022705)                504421.98
3633625.90       39.61252  (21021820)
        504471.98   3633625.90       39.13390  (21011520)                504521.98
3633625.90       37.97202  (19122301)
        504571.98   3633625.90       37.78380  (20080623)                504621.98
3633625.90       36.84482  (21022502)
        504671.98   3633625.90       35.75739  (19120104)                504721.98
3633625.90       36.55043  (20081805)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                            *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
                                INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
                                L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
                                L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
                                L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633675.90	15.38533	(21111004)	502771.98	3633675.90	14.38039	(21111004)
502821.98	3633675.90	13.16563	(19010119)	502871.98	3633675.90	13.05247	(19010119)
502921.98	3633675.90	12.58744	(19010119)	502971.98	3633675.90	14.09050	(21030103)
503021.98	3633675.90	19.02374	(21030103)	503071.98	3633675.90	24.13711	(21030103)
503121.98	3633675.90	28.54565	(21030103)	503171.98	3633675.90	31.80051	(20121603)
503221.98	3633675.90	39.76706	(20121603)	503271.98	3633675.90	44.50349	(20121603)
503321.98	3633675.90	44.29154	(20121603)	503371.98	3633675.90	39.05849	(20121603)
503421.98	3633675.90	38.42816	(20102407)	503471.98	3633675.90	47.03078	(20111701)
503521.98	3633675.90	59.66162	(19081924)	503571.98	3633675.90	79.16445	(19081924)
503671.98	3633675.90	68.83221	(19101521)	503721.98	3633675.90	69.16681	(21090401)
503771.98	3633675.90	68.91151	(20082503)	503821.98	3633675.90	73.44772	(20082921)

503871.98 3633675.90 68.61371 (20082921) 503921.98
3633675.90 61.49663 (20080922)
503971.98 3633675.90 59.81366 (20080921) 504021.98
3633675.90 59.34833 (20081021)
504071.98 3633675.90 61.61714 (20081021) 504121.98
3633675.90 61.23237 (21013021)
504171.98 3633675.90 62.12106 (20073022) 504221.98
3633675.90 59.87721 (20073020)
504271.98 3633675.90 53.24125 (20072922) 504321.98
3633675.90 49.10136 (20080120)
504371.98 3633675.90 41.72767 (21021820) 504421.98
3633675.90 41.44238 (21011520)
504471.98 3633675.90 40.08305 (21010522) 504521.98
3633675.90 41.27159 (20080623)
504571.98 3633675.90 38.85969 (21022502) 504621.98
3633675.90 37.82942 (20081805)
504671.98 3633675.90 40.97269 (20081805) 504721.98
3633675.90 40.43771 (20081805)
502721.98 3633725.90 17.62146 (21111004) 502771.98
3633725.90 17.17874 (21111004)
502821.98 3633725.90 16.23632 (21111004) 502871.98
3633725.90 14.85358 (21111004)
502921.98 3633725.90 14.38881 (19010119) 502971.98
3633725.90 13.93444 (19010119)
503021.98 3633725.90 15.66653 (21030103) 503071.98
3633725.90 21.26280 (21030103)
503121.98 3633725.90 26.96838 (21030103) 503171.98
3633725.90 31.66580 (21030103)
503221.98 3633725.90 37.07722 (20121603) 503271.98
3633725.90 45.08232 (20121603)
503321.98 3633725.90 48.60850 (20121603) 503371.98
3633725.90 46.23448 (20121603)
503421.98 3633725.90 40.44533 (21063005) 503471.98
3633725.90 43.51166 (20102407)
503521.98 3633725.90 45.03340 (20111701) 503571.98
3633725.90 71.84436 (19081924)
503721.98 3633725.90 81.17345 (21090401) 503771.98
3633725.90 75.94808 (20082503)
503821.98 3633725.90 77.56383 (20082921) 503871.98
3633725.90 72.83066 (20082921)
503921.98 3633725.90 65.54999 (20022622) 503971.98
3633725.90 63.02661 (20080921)
504021.98 3633725.90 65.36932 (20081021) 504071.98
3633725.90 64.76781 (20081021)
504121.98 3633725.90 68.00426 (21013021) 504171.98
3633725.90 66.20938 (20073020)
504221.98 3633725.90 60.34291 (20073020) 504271.98
3633725.90 62.76330 (20080120)
504321.98 3633725.90 54.93398 (20080120) 504371.98
3633725.90 45.05782 (20081220)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502771.98	3633775.90	19.39749	(21111004)	502821.98	3633775.90	19.18085	(21111004)
502871.98	3633775.90	18.38221	(21111004)	502921.98	3633775.90	17.03176	(21111004)
502971.98	3633775.90	15.88359	(19010119)	503021.98	3633775.90	15.47948	(19010119)
503071.98	3633775.90	17.55082	(21030103)	503121.98	3633775.90	23.92411	(21030103)
503171.98	3633775.90	30.29622	(21030103)	503221.98	3633775.90	35.24738	(21030103)
503271.98	3633775.90	43.18957	(20121603)	503321.98	3633775.90	50.79825	(20121603)
503371.98	3633775.90	52.44590	(20121603)	503421.98			

3633775.90 47.35574 (20121603)
503471.98 3633775.90 45.64854 (20102407) 503771.98
3633775.90 84.09505 (20082503)
503821.98 3633775.90 81.17584 (20082921) 503871.98
3633775.90 76.50055 (20082921)
503921.98 3633775.90 69.79734 (20022622) 503971.98
3633775.90 67.67900 (19102905)
504021.98 3633775.90 70.91576 (20081021) 504071.98
3633775.90 76.45050 (21013021)
504121.98 3633775.90 72.46507 (21013021) 504171.98
3633775.90 70.70154 (20073020)
504221.98 3633775.90 67.09121 (21010102) 504271.98
3633775.90 67.58692 (20080120)
504321.98 3633775.90 59.01242 (20081220) 504371.98
3633775.90 53.35295 (20082722)
504421.98 3633775.90 52.85762 (20080222) 504471.98
3633775.90 47.80835 (20080623)
504521.98 3633775.90 51.62572 (20081805) 504571.98
3633775.90 57.59212 (20081805)
504621.98 3633775.90 55.99690 (20081803) 504671.98
3633775.90 52.60416 (20081803)
504721.98 3633775.90 50.64758 (20111118) 502721.98
3633825.90 19.42158 (21111004)
502771.98 3633825.90 20.60027 (21111004) 502821.98
3633825.90 21.31401 (21111004)
502871.98 3633825.90 21.42497 (21111004) 502921.98
3633825.90 20.88219 (21111004)
502971.98 3633825.90 19.58771 (21111004) 503021.98
3633825.90 17.61146 (21111004)
503071.98 3633825.90 17.29716 (19010119) 503121.98
3633825.90 19.78883 (21030103)
503171.98 3633825.90 27.11792 (21030103) 503221.98
3633825.90 34.24616 (21030103)
503271.98 3633825.90 39.38994 (21030103) 503771.98
3633825.90 94.75219 (20082503)
503821.98 3633825.90 93.56302 (20080822) 503871.98
3633825.90 81.23144 (21082504)
503921.98 3633825.90 74.61266 (20022622) 503971.98
3633825.90 74.88102 (19102905)
504021.98 3633825.90 79.35823 (21013021) 504071.98
3633825.90 82.59274 (21013021)
504121.98 3633825.90 76.95302 (21120723) 504171.98
3633825.90 78.02486 (21011323)
504221.98 3633825.90 74.88766 (20011902) 504271.98
3633825.90 72.02078 (21103123)
504321.98 3633825.90 66.71803 (21010522) 504371.98
3633825.90 65.29557 (20080623)
504421.98 3633825.90 60.48692 (20080623) 504471.98
3633825.90 60.91984 (20081805)
504521.98 3633825.90 64.23590 (20081805) 504571.98

```
3633825.90       65.20535  (20081803)
        504621.98   3633825.90       60.26339  (20111118)                504671.98
3633825.90       56.70192  (20111118)
        504721.98   3633825.90       57.05058  (21011418)                502721.98
3633875.90       18.49079  (21111004)
        502771.98   3633875.90       20.45485  (21111004)                502821.98
3633875.90       22.12831  (21111004)
        502871.98   3633875.90       23.33019  (21111004)                502921.98
3633875.90       23.94973  (21111004)
        502971.98   3633875.90       23.71006  (21111004)                503021.98
3633875.90       22.58562  (21111004)
        503071.98   3633875.90       20.59551  (21111004)                503121.98
3633875.90       19.46415  (19010119)
        503171.98   3633875.90       22.49608  (21030103)                503221.98
3633875.90       30.97210  (21030103)
        503271.98   3633875.90       38.94094  (21030103)                503821.98
3633875.90      100.41669  (20080822)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503871.98   3633875.90       88.07181  (21082504)                503921.98
3633875.90       83.57271  (21013120)
        503971.98   3633875.90       86.93167  (21022205)                504021.98
3633875.90       93.53464  (20032321)
```

504071.98 3633875.90 86.66979 (21013021) 504121.98 3633875.90 86.31633 (19033021)
504171.98 3633875.90 83.06936 (21010102) 504221.98 3633875.90 81.01259 (21021820)
504271.98 3633875.90 77.42819 (21011520) 504321.98 3633875.90 71.32233 (20080623)
504371.98 3633875.90 68.85447 (20080623) 504421.98 3633875.90 71.16761 (20081805)
504471.98 3633875.90 72.75712 (20081805) 504521.98 3633875.90 73.55606 (20081803)
504571.98 3633875.90 67.72072 (20111118) 504621.98 3633875.90 64.77134 (21011418)
504671.98 3633875.90 61.69776 (21011418) 504721.98 3633875.90 57.40742 (21011418)
502721.98 3633925.90 16.37576 (21111004) 502771.98 3633925.90 18.85965 (21111004)
502821.98 3633925.90 21.32396 (21111004) 502871.98 3633925.90 23.60427 (21111004)
502921.98 3633925.90 25.47968 (21111004) 502971.98 3633925.90 26.63544 (21111004)
503021.98 3633925.90 26.91469 (21111004) 503071.98 3633925.90 26.12855 (21111004)
503121.98 3633925.90 24.20381 (21111004) 503171.98 3633925.90 22.05886 (19010119)
503221.98 3633925.90 25.80108 (21030103) 503271.98 3633925.90 35.67690 (21030103)
503821.98 3633925.90 105.19646 (20080822) 503871.98 3633925.90 100.62529 (21082504)
503921.98 3633925.90 94.90673 (21013120) 503971.98 3633925.90 97.23172 (20032321)
504021.98 3633925.90 104.52663 (20032321) 504071.98 3633925.90 100.59541 (19033021)
504121.98 3633925.90 90.81340 (21011323) 504171.98 3633925.90 89.79519 (19022705)
504221.98 3633925.90 88.75437 (21011520) 504271.98 3633925.90 83.58219 (19122301)
504321.98 3633925.90 80.08452 (19022722) 504371.98 3633925.90 86.79794 (20081805)
504421.98 3633925.90 86.75522 (20081805) 504471.98 3633925.90 82.86732 (20081803)
504521.98 3633925.90 73.01001 (20111118) 504571.98 3633925.90 71.14461 (21011418)
504621.98 3633925.90 66.97541 (21011418) 504671.98 3633925.90 58.65237 (21011418)
504721.98 3633925.90 52.62860 (20081722) 502721.98 3633975.90 22.58842 (21012320)
502771.98 3633975.90 21.14114 (21012320) 502821.98 3633975.90 19.32748 (21012320)
502871.98 3633975.90 21.98533 (21111004) 502921.98 3633975.90 24.95191 (21111004)

```
        502971.98   3633975.90       27.54600  (21111004)                503021.98
3633975.90       29.53380  (21111004)
        503071.98   3633975.90       30.54737  (21111004)                503121.98
3633975.90       30.29734  (21111004)
        503171.98   3633975.90       28.60853  (21111004)                503221.98
3633975.90       25.52847  (21111004)
        503271.98   3633975.90       29.91804  (21030103)                503821.98
3633975.90      105.55985  (20080822)
        503871.98   3633975.90      100.32191  (20080822)                503921.98
3633975.90       85.44238  (21022105)
        503971.98   3633975.90       96.19749  (20022403)                504021.98
3633975.90      104.20434  (20032321)
        504071.98   3633975.90      104.84090  (19033021)                504121.98
3633975.90       96.60653  (20011902)
        504171.98   3633975.90       96.39220  (21011520)                504221.98
3633975.90       92.55528  (19122301)
        504271.98   3633975.90       92.50052  (20081805)                504321.98
3633975.90      104.29978  (20081805)
        504371.98   3633975.90       97.78118  (20081805)                504421.98
3633975.90       92.61547  (20081803)
        504471.98   3633975.90       81.27318  (20081603)                504521.98
3633975.90       76.26121  (21011418)
        504571.98   3633975.90       69.11803  (21011418)                504621.98
3633975.90       59.23290  (20081722)
        504671.98   3633975.90       52.71832  (21091121)                504721.98
3633975.90       48.46874  (20080422)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE 110
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3634025.90	28.36494	(21012320)	502771.98	3634025.90	27.93392	(21012320)
502821.98	3634025.90	26.91360	(21012320)	502871.98	3634025.90	25.38816	(21012320)
502921.98	3634025.90	23.33159	(21012320)	502971.98	3634025.90	25.97386	(21111004)
503021.98	3634025.90	29.55274	(21111004)	503071.98	3634025.90	32.55172	(21111004)
503121.98	3634025.90	34.59623	(21111004)	503171.98	3634025.90	35.20625	(21111004)
503221.98	3634025.90	34.01970	(21111004)	503271.98	3634025.90	30.94299	(21111004)
503871.98	3634025.90	90.66617	(20101422)	503921.98	3634025.90	88.31905	(21022105)
503971.98	3634025.90	99.46543	(21011620)	504021.98	3634025.90	98.31270	(21022020)
504071.98	3634025.90	102.50659	(21010102)	504121.98	3634025.90	102.89042	(21021820)
504171.98	3634025.90	102.96131	(21082503)	504221.98	3634025.90	110.13459	(20081805)
504271.98	3634025.90	119.53448	(20081805)	504321.98	3634025.90	114.29473	(20081803)
504371.98	3634025.90	101.35397	(20081803)	504421.98	3634025.90	88.82094	(20081603)
504471.98	3634025.90	81.45121	(21011418)	504521.98	3634025.90	70.31262	(21011418)
504571.98	3634025.90	61.08254	(20081722)	504621.98	3634025.90	54.17344	(20080422)
504671.98	3634025.90	50.05729	(20072623)	504721.98	3634025.90	47.78107	(20072623)
502721.98	3634075.90	31.91135	(21012320)	502771.98	3634075.90	32.77913	(21012320)
502821.98	3634075.90	33.25295	(21012320)	502871.98	3634075.90	33.20771	(21012320)
502921.98	3634075.90	32.41411	(21012320)	502971.98	3634075.90	30.86545	(21012320)
503021.98	3634075.90	28.63622	(21012320)	503071.98	3634075.90	31.25417	(21111004)
503121.98	3634075.90	35.57788	(21111004)	503171.98	3634075.90	39.03972	(21111004)
503221.98	3634075.90	40.94105	(21111004)	503271.98	3634075.90	40.68183	(21111004)
503871.98	3634075.90	95.64009	(20101422)	503921.98	3634075.90	98.37485	(21022105)
503971.98	3634075.90	91.02762	(20050805)	504021.98			

3634075.90   106.99585 (21120804)
        504071.98   3634075.90   110.50183 (21021820)   504121.98
3634075.90   110.78186 (21011520)
        504171.98   3634075.90   127.64784 (20081805)   504221.98
3634075.90   140.70569 (20081805)
        504271.98   3634075.90   134.12907 (20081803)   504321.98
3634075.90   120.88009 (20081603)
        504371.98   3634075.90   101.82502 (20081603)   504421.98
3634075.90   86.42975 (21011418)
        504471.98   3634075.90   71.78359 (20081722)   504521.98
3634075.90   62.28856 (20080422)
        504571.98   3634075.90   56.56487 (20072623)   504621.98
3634075.90   50.49338 (20072623)
        504671.98   3634075.90   48.03220 (20081804)   504721.98
3634075.90   50.26536 (20081804)
        502721.98   3634125.90   31.99628 (21012320)   502771.98
3634125.90   34.23586 (21012320)
        502821.98   3634125.90   36.39851 (21012320)   502871.98
3634125.90   38.27183 (21012320)
        502921.98   3634125.90   39.46624 (21012320)   502971.98
3634125.90   39.97582 (21012320)
        503021.98   3634125.90   39.68412 (21012320)   503071.98
3634125.90   38.28621 (21012320)
        503121.98   3634125.90   35.81512 (21012320)   503171.98
3634125.90   38.39876 (21111004)
        503221.98   3634125.90   43.67538 (21111004)   503271.98
3634125.90   47.56964 (21111004)
        503921.98   3634125.90   109.93755 (21022105)   503971.98
3634125.90   107.86735 (21022020)
        504021.98   3634125.90   108.34060 (21120804)   504071.98
3634125.90   114.02743 (21011520)
        504121.98   3634125.90   120.58480 (20081805)   504171.98
3634125.90   151.89702 (20081805)
        504221.98   3634125.90   148.70564 (20081803)   504271.98
3634125.90   148.06269 (20081603)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018

```
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        504321.98   3634125.90      124.17801  (20081603)                504371.98
3634125.90       91.94071  (20081603)
        504421.98   3634125.90       79.08315  (20080422)                504471.98
3634125.90       67.99049  (20072623)
        504521.98   3634125.90       62.17649  (20072623)                504571.98
3634125.90       57.74542  (20081804)
        504621.98   3634125.90       54.53245  (20081804)                504671.98
3634125.90       54.07225  (20081804)
        504721.98   3634125.90       50.58740  (20081804)                502721.98
3634175.90       28.26374  (21012320)
        502771.98   3634175.90       31.54118  (21012320)                502821.98
3634175.90       35.00513  (21012320)
        502871.98   3634175.90       38.51677  (21012320)                502921.98
3634175.90       41.77402  (21012320)
        502971.98   3634175.90       44.75549  (21012320)                503021.98
3634175.90       47.29973  (21012320)
        503071.98   3634175.90       48.86858  (21012320)                503121.98
3634175.90       49.33685  (21012320)
        503171.98   3634175.90       48.35042  (21012320)                503221.98
3634175.90       45.64949  (21012320)
        503271.98   3634175.90       48.20769  (21111004)                503971.98
3634175.90      126.05412  (21120804)
        504021.98   3634175.90      120.68539  (21120104)                504071.98
3634175.90      113.17861  (21010401)
        504121.98   3634175.90      127.04838  (20081805)                504171.98
3634175.90      108.06159  (20081803)
        504221.98   3634175.90      151.15767  (20081603)                504271.98
3634175.90      136.09756  (20081603)
        504321.98   3634175.90      119.03480  (20080721)                504371.98
3634175.90       87.37642  (20072623)
        504421.98   3634175.90       71.40055  (20081804)                504471.98
3634175.90       71.34158  (20081804)
        504521.98   3634175.90       67.97434  (20081804)                504571.98
3634175.90       57.10456  (20081804)
        504621.98   3634175.90       51.20122  (19121305)                504671.98
3634175.90       48.23627  (19011923)
```

```
        504721.98   3634175.90       46.10758  (19012803)               502721.98
3634225.90       25.02392  (19083104)
        502771.98   3634225.90       25.65380  (19083104)               502821.98
3634225.90       29.39262  (21012320)
        502871.98   3634225.90       33.62078  (21012320)               502921.98
3634225.90       38.09060  (21012320)
        502971.98   3634225.90       42.87753  (21012320)               503021.98
3634225.90       47.88385  (21012320)
        503071.98   3634225.90       52.64489  (21012320)               503121.98
3634225.90       56.94596  (21012320)
        503171.98   3634225.90       60.30162  (21012320)               503221.98
3634225.90       62.32339  (21012320)
        503271.98   3634225.90       62.64702  (21012320)               504071.98
3634225.90      127.42465  (19120524)
        504121.98   3634225.90      117.63553  (20020722)               504171.98
3634225.90      112.35781  (21022620)
        504221.98   3634225.90      102.96501  (21021922)               504271.98
3634225.90      125.30602  (21040622)
        504321.98   3634225.90      123.99336  (21040622)               504371.98
3634225.90       92.82156  (20081804)
        504421.98   3634225.90       78.23572  (20081804)               504471.98
3634225.90       71.19207  (20081804)
        504521.98   3634225.90       61.65219  (20081804)               504571.98
3634225.90       52.81334  (19012803)
        504621.98   3634225.90       50.74793  (21121821)               504671.98
3634225.90       48.78117  (20121224)
        504721.98   3634225.90       46.59913  (20020703)               502721.98
3634275.90       28.06004  (19083104)
        502771.98   3634275.90       29.49871  (19083104)               502821.98
3634275.90       31.00303  (19083104)
        502871.98   3634275.90       32.54819  (19083104)               502921.98
3634275.90       33.89673  (19083104)
        502971.98   3634275.90       35.19118  (19083104)               503021.98
3634275.90       40.77638  (21012320)
        503071.98   3634275.90       47.29975  (21012320)               503121.98
3634275.90       54.33502  (21012320)
        503171.98   3634275.90       61.71144  (21012320)               503221.98
3634275.90       68.96489  (21012320)
        503271.98   3634275.90       75.83105  (21012320)               504121.98
3634275.90      130.69391  (21021922)
        504171.98   3634275.90      117.86427  (21022221)               504221.98
3634275.90      139.56669  (21040622)
        504271.98   3634275.90      134.02135  (21081123)               504321.98
3634275.90      126.60653  (20081502)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:32:02
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504371.98	3634275.90	99.15660	(20082223)	504421.98	3634275.90	76.13948	(20081222)
504471.98	3634275.90	62.52246	(20092021)	504521.98	3634275.90	55.96552	(20020703)
504571.98	3634275.90	53.16208	(20020703)	504621.98	3634275.90	50.25297	(21122121)
504671.98	3634275.90	49.04452	(21122121)	504721.98	3634275.90	47.49425	(21122121)
502721.98	3634325.90	27.53778	(19083104)	502771.98	3634325.90	29.59993	(19083104)
502821.98	3634325.90	31.78252	(19083104)	502871.98	3634325.90	34.53404	(19083104)
502971.98	3634325.90	39.58788	(19083104)	503021.98	3634325.90	42.47735	(19083104)
503071.98	3634325.90	45.48933	(19083104)	503121.98	3634325.90	48.56656	(19083104)
503171.98	3634325.90	51.74597	(19083104)	503221.98	3634325.90	60.93819	(21012320)
503271.98	3634325.90	72.26244	(21012320)	504171.98	3634325.90	124.48929	(21010422)
504221.98	3634325.90	151.34824	(20090623)	504271.98	3634325.90	137.00633	(20090623)
504321.98	3634325.90	129.79393	(20080102)	504371.98	3634325.90	106.22565	(20080102)
504421.98	3634325.90	76.74087	(21121518)	504471.98	3634325.90	64.03043	(20080321)
504521.98	3634325.90	56.86369	(20121803)	504571.98			

```
3634325.90       54.45307  (20121803)
        504621.98   3634325.90       51.93408  (21122201)                504671.98
3634325.90       49.75425  (21122201)
        504721.98   3634325.90       47.47991  (21122201)                502721.98
3634375.90       23.91664  (19083104)
        502771.98   3634375.90       26.08414  (19083104)                502821.98
3634375.90       28.41517  (19083104)
        503021.98   3634375.90       41.32811  (19083104)                503071.98
3634375.90       45.66907  (19083104)
        503121.98   3634375.90       50.36000  (19083104)                503171.98
3634375.90       55.58926  (19083104)
        503221.98   3634375.90       61.57063  (19083104)                503271.98
3634375.90       68.32270  (19083104)
        504221.98   3634375.90      140.03916  (20081301)                504271.98
3634375.90      133.09511  (20081301)
        504321.98   3634375.90      121.77337  (20081301)                504371.98
3634375.90      100.23215  (21122201)
        504421.98   3634375.90       72.09480  (20080321)                504471.98
3634375.90       59.63834  (20013123)
        504521.98   3634375.90       57.06375  (20013123)                504571.98
3634375.90       54.70582  (20013123)
        504621.98   3634375.90       52.38626  (20013123)                504671.98
3634375.90       50.11009  (20013123)
        504721.98   3634375.90       47.87519  (20013123)                502721.98
3634425.90       26.87369  (21021102)
        502771.98   3634425.90       28.56478  (21021102)                502821.98
3634425.90       30.43388  (21021102)
        504271.98   3634425.90      105.55683  (20121618)                504321.98
3634425.90      120.92606  (20082306)
        504371.98   3634425.90      130.71759  (20082306)                504421.98
3634425.90       91.15946  (20082306)
        504471.98   3634425.90       68.39079  (20082306)                504521.98
3634425.90       57.25704  (20092120)
        504571.98   3634425.90       54.40928  (19122101)                504621.98
3634425.90       52.09406  (19122101)
        504671.98   3634425.90       49.99604  (19122101)                504721.98
3634425.90       48.05712  (19122101)
        502721.98   3634475.90       33.45120  (21021102)                502771.98
3634475.90       35.74657  (21021102)
        502821.98   3634475.90       38.22207  (21021102)                504321.98
3634475.90       91.74847  (21011518)
        504371.98   3634475.90      136.11533  (20082306)                504421.98
3634475.90      131.10397  (20082306)
        504471.98   3634475.90       95.73918  (20082306)                504521.98
3634475.90       80.32877  (20082306)
        504571.98   3634475.90       73.03577  (20082306)                504621.98
3634475.90       67.67329  (20082306)
        504671.98   3634475.90       57.34648  (20082306)                504721.98
3634475.90       48.06912  (20082306)
        502721.98   3634525.90       35.43549  (21021102)                502771.98
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504471.98   3634525.90   107.68721 (20082306)   504521.98
3634525.90   93.12845 (20082306)
        504571.98   3634525.90   86.79036 (20041201)   504621.98
3634525.90   80.42827 (20041201)
        504671.98   3634525.90   67.75276 (20041201)   504721.98
3634525.90   55.94091 (20041201)
        502721.98   3634575.90   32.02477 (21021102)   502771.98
3634575.90   33.48205 (21021102)
        504421.98   3634575.90   70.81596 (21101422)   504471.98
3634575.90   64.05796 (21101422)
        504521.98   3634575.90   58.66215 (21101422)   504571.98
3634575.90   73.50529 (21012820)
        504621.98   3634575.90   78.96512 (20041201)   504671.98
3634575.90   78.63050 (20041201)
        504721.98   3634575.90   71.57774 (20041201)   502721.98
3634625.90   26.28384 (19050903)
        502771.98   3634625.90   29.00998 (19050903)   502821.98
3634625.90   32.04411 (19050903)

```
        502871.98   3634625.90       35.28890  (19050903)                502921.98
3634625.90       38.76705  (19050903)
        502971.98   3634625.90       42.49246  (19050903)                503021.98
3634625.90       46.41176  (19050903)
        503071.98   3634625.90       50.45266  (19050903)                503121.98
3634625.90       54.49835  (19050903)
        504471.98   3634625.90       66.66405  (21020220)                504521.98
3634625.90       61.47916  (21020220)
        504571.98   3634625.90       57.24744  (21020220)                504621.98
3634625.90       73.56204  (21012820)
        504671.98   3634625.90       69.77138  (21012820)                504721.98
3634625.90       69.09282  (20081806)
        502721.98   3634675.90       30.36013  (19050903)                502771.98
3634675.90       32.70226  (19050903)
        502821.98   3634675.90       35.11680  (19050903)                502871.98
3634675.90       37.50696  (19050903)
        502921.98   3634675.90       39.83459  (19050903)                502971.98
3634675.90       42.04678  (19050903)
        503021.98   3634675.90       44.00725  (19050903)                503071.98
3634675.90       45.63019  (19050903)
        503121.98   3634675.90       46.84199  (19050903)                503171.98
3634675.90       47.40700  (19050903)
        503221.98   3634675.90       54.34405  (20021724)                503271.98
3634675.90       68.36100  (21011719)
        503321.98   3634675.90       83.93855  (21011719)                503371.98
3634675.90       97.23523  (21011719)
        503421.98   3634675.90      106.11978  (21011719)                503471.98
3634675.90      121.40725  (20022207)
        503521.98   3634675.90      129.63845  (20022207)                504521.98
3634675.90       56.18044  (21020220)
        504571.98   3634675.90       54.18949  (21020220)                504621.98
3634675.90       55.31840  (21020220)
        504671.98   3634675.90       56.59518  (21020220)                504721.98
3634675.90       66.39269  (21012820)
        502721.98   3634725.90       30.73166  (19050903)                502771.98
3634725.90       32.09423  (19050903)
        502821.98   3634725.90       33.29319  (19050903)                502871.98
3634725.90       34.27191  (19050903)
        502921.98   3634725.90       34.94170  (19050903)                502971.98
3634725.90       35.24614  (19050903)
        503021.98   3634725.90       35.11272  (19050903)                503071.98
3634725.90       38.47944  (20021724)
        503121.98   3634725.90       45.89477  (20021724)                503171.98
3634725.90       56.40916  (21011719)
        503221.98   3634725.90       68.57123  (21011719)                503271.98
3634725.90       78.60519  (21011719)
        503321.98   3634725.90       84.93476  (21011719)                503371.98
3634725.90       92.30394  (20022207)
        503421.98   3634725.90      103.68785  (20022207)                503471.98
3634725.90      107.26589  (21012023)
```

```
        503521.98   3634725.90      108.02191  (20040823)                503571.98
3634725.90      115.82813  (21121424)
        503621.98   3634725.90      117.38398  (19121706)                504571.98
3634725.90       42.63840  (21020220)
        504621.98   3634725.90       43.31544  (21020220)                504671.98
3634725.90       45.06735  (21020220)
        504721.98   3634725.90       49.74670  (21020220)                502721.98
3634775.90       27.39826  (19050903)
        502771.98   3634775.90       27.59023  (19050903)                502821.98
3634775.90       27.52496  (19050903)
        502871.98   3634775.90       27.14096  (19050903)                502921.98
3634775.90       28.50286  (20021724)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                   PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502971.98   3634775.90       33.83303  (20021724)                503021.98
3634775.90       39.45764  (20021724)
        503071.98   3634775.90       47.68960  (21011719)                503121.98
3634775.90       57.46298  (21011719)
        503171.98   3634775.90       65.55332  (21011719)                503221.98
3634775.90       70.57333  (21011719)
        503271.98   3634775.90       71.44775  (21011719)                503321.98
3634775.90       82.65260  (20022207)
        503371.98   3634775.90       88.57728  (20022207)                503421.98
```

3634775.90 91.44429 (21012023)
503471.98 3634775.90 91.34986 (20040823) 503521.98
3634775.90 97.19345 (21121424)
503571.98 3634775.90 99.59765 (19121706) 503621.98
3634775.90 99.80807 (19121706)
503671.98 3634775.90 100.80524 (20120224) 503721.98
3634775.90 114.02039 (21021806)
503771.98 3634775.90 120.28907 (21012024) 503821.98
3634775.90 123.26395 (21012024)
504621.98 3634775.90 31.33662 (20082303) 504671.98
3634775.90 32.64902 (20082303)
504721.98 3634775.90 44.14385 (20082303) 502721.98
3634825.90 21.64679 (19050903)
502771.98 3634825.90 21.83684 (20021724) 502821.98
3634825.90 25.78926 (20021724)
502871.98 3634825.90 30.03820 (20021724) 502921.98
3634825.90 34.40828 (20021724)
502971.98 3634825.90 41.09228 (21011719) 503021.98
3634825.90 49.11817 (21011719)
503071.98 3634825.90 55.81157 (21011719) 503121.98
3634825.90 60.07266 (21011719)
503171.98 3634825.90 61.00117 (21011719) 503221.98
3634825.90 66.25268 (20022207)
503271.98 3634825.90 73.72720 (20022207) 503321.98
3634825.90 75.95968 (20022207)
503371.98 3634825.90 78.77929 (21012023) 503421.98
3634825.90 78.62189 (20040823)
503471.98 3634825.90 82.90069 (21121424) 503521.98
3634825.90 85.42340 (21121424)
503571.98 3634825.90 88.17335 (19121706) 503621.98
3634825.90 80.84594 (19121706)
503671.98 3634825.90 91.20922 (20120224) 503721.98
3634825.90 102.70042 (21021806)
503771.98 3634825.90 107.49222 (21012024) 503821.98
3634825.90 109.45246 (21012024)
503871.98 3634825.90 89.03600 (21013118) 503921.98
3634825.90 98.77901 (21013118)
504671.98 3634825.90 23.23792 (20082303) 504721.98
3634825.90 27.90275 (20082303)
502721.98 3634875.90 23.44126 (20021724) 502771.98
3634875.90 26.89250 (20021724)
502821.98 3634875.90 30.36847 (20021724) 502871.98
3634875.90 35.93447 (21011719)
502921.98 3634875.90 42.63898 (21011719) 502971.98
3634875.90 48.28335 (21011719)
503021.98 3634875.90 51.98539 (21011719) 503071.98
3634875.90 53.02678 (21011719)
503121.98 3634875.90 53.46045 (20022207) 503171.98
3634875.90 61.13961 (20022207)
503221.98 3634875.90 65.54723 (20022207) 503271.98

```
3634875.90       66.27304  (21012023)
        503321.98   3634875.90       68.57078  (21012023)                503371.98
3634875.90       68.72238  (20040823)
        503421.98   3634875.90       72.31647  (20040823)                503471.98
3634875.90       75.40566  (21121424)
        503521.98   3634875.90       77.75983  (19121706)                503571.98
3634875.90       74.38154  (19121706)
        503621.98   3634875.90       71.49356  (20120224)                503671.98
3634875.90       83.69113  (21021806)
        503721.98   3634875.90       93.12109  (21021806)                503771.98
3634875.90       97.35129  (21012024)
        503821.98   3634875.90       98.04416  (21012024)                503871.98
3634875.90       77.95594  (21013118)
        503921.98   3634875.90      115.58746  (21060422)                504721.98
3634875.90       16.13679  (20082303)
        502721.98   3634925.90       27.04963  (20021724)                502771.98
3634925.90       31.80166  (21011719)
        502821.98   3634925.90       37.47416  (21011719)                502871.98
3634925.90       42.29283  (21011719)
        502921.98   3634925.90       45.57077  (21011719)                502971.98
3634925.90       46.68631  (21011719)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
```

503021.98 3634925.90 45.31373 (21011719) 503071.98 3634925.90 50.74497 (20022207)
503121.98 3634925.90 56.06347 (20022207) 503171.98 3634925.90 58.13233 (20022207)
503221.98 3634925.90 59.46645 (21012023) 503271.98 3634925.90 60.23321 (21012023)
503321.98 3634925.90 60.76071 (20040823) 503371.98 3634925.90 64.06158 (20040823)
503421.98 3634925.90 67.15640 (21121424) 503471.98 3634925.90 68.36245 (19121706)
503521.98 3634925.90 68.44895 (19121706) 503571.98 3634925.90 61.35774 (19020322)
503621.98 3634925.90 68.29526 (20120224) 503671.98 3634925.90 78.21663 (21021806)
503721.98 3634925.90 91.89908 (21021806) 503771.98 3634925.90 99.58322 (21012024)
503821.98 3634925.90 110.66477 (19122420) 503871.98 3634925.90 120.78155 (19122420)
502721.98 3634975.90 33.27280 (21011719) 502771.98 3634975.90 37.43424 (21011719)
502821.98 3634975.90 40.35292 (21011719) 502871.98 3634975.90 41.51775 (21011719)
502921.98 3634975.90 40.62112 (21011719) 502971.98 3634975.90 42.14718 (20022207)
503021.98 3634975.90 47.67009 (20022207) 503071.98 3634975.90 51.05248 (20022207)
503121.98 3634975.90 51.43533 (20022207) 503171.98 3634975.90 53.52875 (21012023)
503221.98 3634975.90 53.21411 (21012023) 503271.98 3634975.90 54.28176 (20040823)
503321.98 3634975.90 57.33461 (20040823) 503371.98 3634975.90 60.17383 (21121424)
503421.98 3634975.90 59.76915 (19121706) 503471.98 3634975.90 62.63531 (19121706)
503521.98 3634975.90 57.23082 (19121706) 503571.98 3634975.90 55.10348 (19020322)
503621.98 3634975.90 64.96734 (20120224) 503671.98 3634975.90 73.45910 (21021806)
503721.98 3634975.90 90.72800 (21021806) 503771.98 3634975.90 106.54265 (19101219)
503821.98 3634975.90 107.41379 (20071102) 503871.98 3634975.90 99.63784 (19072224)
502721.98 3635025.90 36.04877 (21011719) 502771.98 3635025.90 37.22659 (21011719)
502821.98 3635025.90 36.69357 (21011719) 502871.98 3635025.90 35.18690 (20022207)
502921.98 3635025.90 40.48507 (20022207) 502971.98 3635025.90 44.44161 (20022207)
503021.98 3635025.90 46.29016 (20022207) 503071.98 3635025.90 45.98121 (21012023)

```
        503121.98   3635025.90       48.41743  (21012023)               503171.98
3635025.90       47.35800  (21012023)
        503221.98   3635025.90       48.86359  (20040823)               503271.98
3635025.90       51.63242  (20040823)
        503321.98   3635025.90       54.06851  (21121424)               503371.98
3635025.90       53.45008  (21121424)
        503421.98   3635025.90       56.79382  (19121706)               503471.98
3635025.90       54.41906  (19121706)
        503521.98   3635025.90       49.88228  (19020322)               503571.98
3635025.90       50.78817  (20120224)
        503621.98   3635025.90       61.38302  (20120224)               503671.98
3635025.90       71.79712  (21021806)
        503721.98   3635025.90       97.95523  (21081004)               503771.98
3635025.90       99.05674  (19101219)
        503821.98   3635025.90       92.02829  (20071102)               504371.98
3635025.90       48.07253  (21012617)
        502721.98   3635075.90       33.34786  (21011719)               502771.98
3635075.90       31.59332  (21011719)
        502821.98   3635075.90       34.39997  (20022207)               502871.98
3635075.90       38.50332  (20022207)
        502921.98   3635075.90       41.16546  (20022207)               502971.98
3635075.90       41.83543  (20022207)
        503021.98   3635075.90       42.46910  (21012023)               503071.98
3635075.90       43.90518  (21012023)
        503121.98   3635075.90       42.32415  (21012023)               503171.98
3635075.90       44.29099  (20040823)
        503221.98   3635075.90       46.80985  (20040823)               503271.98
3635075.90       48.78642  (21121424)
        503321.98   3635075.90       49.15752  (21121424)               503371.98
3635075.90       51.13598  (19121706)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE 116
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503421.98	3635075.90	51.17451	(19121706)	503471.98	3635075.90	45.04537	(19121706)
503521.98	3635075.90	45.52566	(19020322)	503571.98	3635075.90	50.16046	(20120224)
503621.98	3635075.90	57.68012	(20120224)	503671.98	3635075.90	70.61384	(21021806)
503721.98	3635075.90	88.95834	(21081004)	503771.98	3635075.90	93.77959	(19101219)
503821.98	3635075.90	82.81960	(19072224)	504371.98	3635075.90	41.58185	(20011620)
504421.98	3635075.90	43.10663	(21012617)	504471.98	3635075.90	42.99350	(21012617)
504521.98	3635075.90	40.02254	(21012617)	502721.98	3635125.90	29.31290	(20022207)
502771.98	3635125.90	33.28400	(20022207)	502821.98	3635125.90	36.31987	(20022207)
502871.98	3635125.90	37.93749	(20022207)	502921.98	3635125.90	37.74524	(20022207)
502971.98	3635125.90	39.25594	(21012023)	503021.98	3635125.90	39.93521	(21012023)
503071.98	3635125.90	38.00785	(21012023)	503121.98	3635125.90	40.38249	(20040823)
503171.98	3635125.90	42.68481	(20040823)	503221.98	3635125.90	44.17225	(21121424)
503271.98	3635125.90	45.27222	(21121424)	503321.98	3635125.90	45.69886	(19121706)
503371.98	3635125.90	47.57746	(19121706)	503421.98	3635125.90	43.91095	(19121706)
503471.98	3635125.90	41.57010	(19020322)	503521.98	3635125.90	40.56262	(19020322)
503571.98	3635125.90	52.23751	(20120224)	503621.98	3635125.90	57.26921	(20120224)
503671.98	3635125.90	73.85091	(19031924)	503721.98	3635125.90	87.05665	(21081004)
503771.98	3635125.90	83.22148	(19101219)	503821.98	3635125.90	77.17152	(19072224)
504371.98	3635125.90	41.94160	(20011620)	504421.98	3635125.90	37.24952	(20011620)
504471.98	3635125.90	38.93870	(21012617)	504521.98	3635125.90	39.13706	(21012617)
504571.98	3635125.90	36.84672	(21012617)	502721.98			

3635175.90 31.93753 (20022207)
  502771.98 3635175.90 34.06397 (20022207) 502821.98
3635175.90 34.82130 (20022207)
  502871.98 3635175.90 34.15032 (21012023) 502921.98
3635175.90 36.31426 (21012023)
  502971.98 3635175.90 36.41778 (21012023) 503021.98
3635175.90 34.27853 (21012023)
  503071.98 3635175.90 37.02478 (20040823) 503121.98
3635175.90 39.13075 (20040823)
  503171.98 3635175.90 40.16957 (21121424) 503221.98
3635175.90 41.75613 (21121424)
  503271.98 3635175.90 40.66559 (19121706) 503321.98
3635175.90 43.84022 (19121706)
  503371.98 3635175.90 42.20556 (19121706) 503421.98
3635175.90 37.06856 (19020322)
  503471.98 3635175.90 38.30757 (19020322) 503521.98
3635175.90 38.54802 (20120224)
  503571.98 3635175.90 59.21415 (20120224) 503621.98
3635175.90 62.62215 (20120224)
  503671.98 3635175.90 75.67820 (19031924) 503721.98
3635175.90 78.25171 (19101219)
  503771.98 3635175.90 73.04296 (19072223) 503821.98
3635175.90 69.57625 (19072224)
  504371.98 3635175.90 39.46591 (20011620) 504421.98
3635175.90 37.89853 (20011620)
  504471.98 3635175.90 33.39718 (20011620) 504521.98
3635175.90 35.41228 (21012617)
  504571.98 3635175.90 35.90706 (21012617) 504621.98
3635175.90 34.07079 (21012617)
  502721.98 3635225.90 31.81518 (20022207) 502771.98
3635225.90 31.91949 (20022207)
  502821.98 3635225.90 32.14063 (21012023) 502871.98
3635225.90 33.62092 (21012023)
  502921.98 3635225.90 33.28527 (21012023) 502971.98
3635225.90 31.03832 (21012023)
  503021.98 3635225.90 34.11668 (20040823) 503071.98
3635225.90 36.04425 (20040823)
  503121.98 3635225.90 36.64370 (21121424) 503171.98
3635225.90 38.59791 (21121424)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002

```
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503221.98   3635225.90       37.13104  (21121424)               503271.98
3635225.90       40.13245  (19121706)
        503321.98   3635225.90       40.14108  (19121706)               503371.98
3635225.90       35.90042  (19121706)
        503421.98   3635225.90       35.34977  (19020322)               503471.98
3635225.90       34.72337  (19020322)
        503521.98   3635225.90       38.69832  (20120224)               503571.98
3635225.90       60.16332  (20120224)
        503621.98   3635225.90       75.23250  (19031924)               503671.98
3635225.90       76.60933  (20090823)
        504371.98   3635225.90       34.97830  (20011620)               504421.98
3635225.90       36.27626  (20011620)
        504471.98   3635225.90       34.45143  (20011620)               504521.98
3635225.90       30.20942  (20011620)
        504571.98   3635225.90       32.74339  (21012617)               504621.98
3635225.90       32.88224  (21012617)
        502721.98   3635275.90       29.16517  (20022207)               502771.98
3635275.90       30.19528  (21012023)
        502821.98   3635275.90       31.14995  (21012023)               502871.98
3635275.90       30.50001  (21012023)
        502921.98   3635275.90       28.18900  (21012023)               502971.98
3635275.90       31.54617  (20040823)
        503021.98   3635275.90       33.29390  (20040823)               503071.98
3635275.90       33.49147  (21121424)
        503121.98   3635275.90       35.66667  (21121424)               503171.98
3635275.90       34.89691  (21121424)
        503221.98   3635275.90       36.47183  (19121706)               503271.98
3635275.90       37.73850  (19121706)
        503321.98   3635275.90       35.17942  (19121706)               503371.98
3635275.90       31.78580  (19020322)
        503421.98   3635275.90       32.94037  (19020322)               503471.98
3635275.90       30.82646  (19020322)
```

```
        503521.98   3635275.90       38.45255  (20120224)                503571.98
3635275.90       46.92051  (20120224)
        503621.98   3635275.90       66.49708  (19031924)                504371.98
3635275.90       29.84567  (20011620)
        504421.98   3635275.90       35.20342  (20011620)                504471.98
3635275.90       33.76252  (20011620)
        504521.98   3635275.90       31.60586  (20011620)                504571.98
3635275.90       27.67380  (21012617)
        504621.98   3635275.90       30.76217  (21012617)                504671.98
3635275.90       30.36906  (21012617)
        502721.98   3635325.90       28.38961  (21012023)                502771.98
3635325.90       29.09983  (21012023)
        502821.98   3635325.90       28.25536  (21012023)                502871.98
3635325.90       26.24122  (20040823)
        502921.98   3635325.90       29.36685  (20040823)                502971.98
3635325.90       30.92209  (20040823)
        503021.98   3635325.90       30.85785  (20040823)                503071.98
3635325.90       33.24302  (21121424)
        503121.98   3635325.90       33.17913  (21121424)                503171.98
3635325.90       33.05000  (19121706)
        503221.98   3635325.90       35.18309  (19121706)                503271.98
3635325.90       34.02422  (19121706)
        503321.98   3635325.90       29.67684  (19121706)                503371.98
3635325.90       30.46072  (19020322)
        503421.98   3635325.90       30.09052  (19020322)                503471.98
3635325.90       30.57905  (20120224)
        503521.98   3635325.90       37.70527  (20120224)                503571.98
3635325.90       40.48362  (20120224)
        503621.98   3635325.90       58.75850  (19031924)                504371.98
3635325.90       25.97252  (20011620)
        504421.98   3635325.90       30.13573  (20011620)                504471.98
3635325.90       31.31783  (20011620)
        504521.98   3635325.90       30.84091  (20011620)                504571.98
3635325.90       28.77237  (20011620)
        504621.98   3635325.90       26.09412  (21012617)                504671.98
3635325.90       31.44738  (21012617)
        504721.98   3635325.90       28.13907  (21012617)                502721.98
3635375.90       29.03360  (21012023)
        502771.98   3635375.90       37.18331  (21012023)                502821.98
3635375.90       39.85070  (20070801)
        502871.98   3635375.90       41.03702  (20070801)                502921.98
3635375.90       40.88445  (20070802)
        502971.98   3635375.90       30.12028  (20040823)                503021.98
3635375.90       45.44862  (21121424)
        503071.98   3635375.90       49.88265  (19091321)                503121.98
3635375.90       34.04280  (19121706)
        503171.98   3635375.90       33.67984  (19121706)                503221.98
3635375.90       32.55325  (19121706)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
```

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635425.90 45.39107 (21121424)
503021.98 3635425.90 49.17588 (19091321) 503071.98
3635425.90 50.32337 (20042421)
503121.98 3635425.90 33.46310 (19121706) 503171.98
3635425.90 33.05963 (19121706)
503221.98 3635425.90 29.32686 (19121706) 503271.98
3635425.90 28.48319 (19020322)
503321.98 3635425.90 29.06655 (19020322) 503371.98
3635425.90 26.93767 (19020322)
503421.98 3635425.90 24.22996 (19020322) 503471.98
3635425.90 32.10089 (20120224)
503521.98 3635425.90 39.94317 (20120224) 503571.98
3635425.90 42.08556 (21021806)
503621.98 3635425.90 47.61724 (21021806) 503671.98
3635425.90 59.06333 (21081004)
503721.98 3635425.90 64.90923 (19101219) 503771.98
3635425.90 64.49099 (20071102)
503821.98 3635425.90 61.47223 (20071102) 504371.98
3635425.90 21.98875 (21121422)
504421.98 3635425.90 21.89936 (20011620) 504471.98
3635425.90 26.32842 (20011620)
504521.98 3635425.90 26.01198 (20011620) 504571.98
3635425.90 27.23764 (20011620)
504621.98 3635425.90 28.87731 (20011620) 504671.98
3635425.90 28.40279 (21122618)
504721.98 3635425.90 29.37372 (21122618) 502721.98
3635475.90 35.28074 (20070801)
502771.98 3635475.90 38.53947 (20070801) 502821.98
3635475.90 39.84773 (20070802)
502871.98 3635475.90 44.07854 (20070802) 502921.98
3635475.90 42.57819 (20070802)
502971.98 3635475.90 47.14526 (19091321) 503021.98
3635475.90 48.63856 (19091321)
503071.98 3635475.90 49.21572 (20042421) 503121.98
3635475.90 31.90681 (19121706)
503171.98 3635475.90 30.62084 (19121706) 503221.98
3635475.90 27.96201 (19121706)
503271.98 3635475.90 29.63371 (19020322) 503321.98
3635475.90 29.93896 (19020322)
503371.98 3635475.90 26.61201 (19020322) 503421.98
3635475.90 26.95030 (20120224)
503471.98 3635475.90 36.29847 (20120224) 503521.98
3635475.90 40.84083 (20120224)
503571.98 3635475.90 44.21679 (21021806) 503621.98
3635475.90 46.63567 (21021806)
503671.98 3635475.90 49.85168 (21081004) 503721.98
3635475.90 54.63377 (19101219)
503771.98 3635475.90 61.17866 (20071102) 503821.98
3635475.90 58.24180 (20071102)
503871.98 3635475.90 55.72764 (19122420) 503921.98

```
3635475.90       65.77017  (19122420)
        504371.98   3635475.90       12.22292  (20040223)                504421.98
3635475.90       15.09851  (20040223)
        504471.98   3635475.90       19.95298  (20011620)                504521.98
3635475.90       22.15671  (20011620)
        504571.98   3635475.90       26.23886  (20011620)                504621.98
3635475.90       28.91058  (20011620)
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        504671.98   3635475.90       28.71517  (20011620)                504721.98
3635475.90       41.21512  (21122618)
        502221.98   3632975.90        4.37834  (19010119)                502271.98
3632975.90        4.67375  (21030103)
        502321.98   3632975.90        5.95915  (21030103)                502371.98
3632975.90        7.41643  (21030103)
        502421.98   3632975.90        8.97696  (21030103)                502471.98
3632975.90       10.53525  (21030103)
        502521.98   3632975.90       11.95139  (21030103)                502571.98
3632975.90       13.07902  (21030103)
        502621.98   3632975.90       13.76917  (21030103)                502671.98
3632975.90       14.55042  (20121603)
        502721.98   3632975.90       17.19493  (20121603)                502771.98
3632975.90       19.36769  (20121603)
```

```
        502821.98   3632975.90       29.01167  (20121603)               502871.98
3632975.90       32.30050  (20121603)
        502921.98   3632975.90       30.88265  (20092124)               502971.98
3632975.90       30.40272  (20090205)
        503021.98   3632975.90       34.48960  (20090205)               503071.98
3632975.90       39.08370  (20090205)
        503121.98   3632975.90       33.87633  (20102407)               503171.98
3632975.90       34.22264  (20111701)
        503221.98   3632975.90       35.94321  (20111701)               503271.98
3632975.90       34.41257  (20111701)
        503321.98   3632975.90       39.59117  (19081924)               503371.98
3632975.90       42.49075  (19081924)
        503421.98   3632975.90       36.23715  (19081924)               503471.98
3632975.90       40.20591  (19110606)
        503621.98   3632975.90       34.86286  (20050102)               503671.98
3632975.90       34.98646  (20050102)
        503721.98   3632975.90       32.89782  (21020203)               503771.98
3632975.90       29.92843  (20082921)
        503821.98   3632975.90       29.88019  (20082921)               503871.98
3632975.90       27.22508  (20082921)
        503921.98   3632975.90       23.17762  (20032501)               503971.98
3632975.90       26.08066  (20080820)
        504021.98   3632975.90       27.18245  (20022622)               504071.98
3632975.90       27.02754  (21013120)
        504121.98   3632975.90       26.93989  (21011302)               504171.98
3632975.90       26.03353  (19102905)
        504221.98   3632975.90       26.53938  (21022205)               504271.98
3632975.90       26.82561  (20022403)
        504321.98   3632975.90       26.35401  (21011620)               504371.98
3632975.90       26.01293  (21013021)
        504421.98   3632975.90       26.32147  (21013021)               504471.98
3632975.90       25.45698  (21120723)
        504521.98   3632975.90       25.13576  (21120723)               504571.98
3632975.90       24.94419  (20101423)
        504621.98   3632975.90       24.17943  (21011323)               504671.98
3632975.90       24.92041  (21011323)
        504721.98   3632975.90       24.65233  (21010102)               504771.98
3632975.90       24.40297  (20011902)
        504821.98   3632975.90       23.96379  (19022705)               504871.98
3632975.90       23.99979  (21021820)
        504921.98   3632975.90       23.43821  (20121007)               504971.98
3632975.90       23.56230  (21011520)
        505021.98   3632975.90       22.56753  (21010522)               505071.98
3632975.90       22.33803  (19122301)
        505121.98   3632975.90       22.08075  (20122923)               505171.98
3632975.90       21.35162  (20122923)
        505221.98   3632975.90       21.22369  (20100121)               502221.98
3633025.90        4.98104  (19010119)
        502271.98   3633025.90        4.65113  (19010119)               502321.98
3633025.90        4.97491  (21030103)
```

```
        502371.98   3633025.90        6.36506  (21030103)                502421.98
3633025.90        7.93755  (21030103)
        502471.98   3633025.90        9.60878  (21030103)                502521.98
3633025.90       11.26229  (21030103)
        502571.98   3633025.90       12.73986  (21030103)                502621.98
3633025.90       13.86941  (21030103)
        502671.98   3633025.90       14.49207  (21030103)                502721.98
3633025.90       16.04597  (20121603)
        502771.98   3633025.90       18.71826  (20121603)                502821.98
3633025.90       29.82727  (21031822)
        502871.98   3633025.90       33.07573  (20121603)                502921.98
3633025.90       32.39312  (20121603)
        502971.98   3633025.90       29.89880  (20092123)                503021.98
3633025.90       36.37030  (20090205)
        503071.98   3633025.90       42.06853  (20090205)                503121.98
3633025.90       34.49567  (20090205)
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        503171.98   3633025.90       34.11105  (20102407)                503221.98
3633025.90       36.01680  (20082723)
        503271.98   3633025.90       36.10747  (20111701)                503321.98
3633025.90       40.05962  (19081924)
        503371.98   3633025.90       44.13528  (19081924)                503421.98
```

3633025.90 37.33649 (19081924)
503471.98 3633025.90 41.08269 (19110606) 503621.98
3633025.90 34.27497 (20050102)
503671.98 3633025.90 35.61010 (20050102) 503721.98
3633025.90 34.54175 (21020203)
503771.98 3633025.90 28.65115 (20082921) 503821.98
3633025.90 29.06774 (20082921)
503871.98 3633025.90 27.74254 (20082921) 503921.98
3633025.90 24.29949 (20080820)
503971.98 3633025.90 27.03213 (20080820) 504021.98
3633025.90 28.13365 (20022622)
504071.98 3633025.90 28.05582 (21013120) 504121.98
3633025.90 27.56082 (21011302)
504171.98 3633025.90 27.33212 (19102905) 504221.98
3633025.90 27.31125 (21022205)
504271.98 3633025.90 27.76439 (20022403) 504321.98
3633025.90 27.51847 (21011620)
504371.98 3633025.90 27.50641 (21013021) 504421.98
3633025.90 26.01795 (21013021)
504471.98 3633025.90 26.63473 (21120723) 504521.98
3633025.90 25.83724 (20101423)
504571.98 3633025.90 25.46373 (20112022) 504621.98
3633025.90 25.86828 (21011323)
504671.98 3633025.90 25.03733 (21010102) 504721.98
3633025.90 25.20824 (20011902)
504771.98 3633025.90 24.26888 (19022705) 504821.98
3633025.90 24.67313 (19022705)
504871.98 3633025.90 24.23905 (20121007) 504921.98
3633025.90 24.51280 (21011520)
504971.98 3633025.90 23.46526 (19121906) 505021.98
3633025.90 23.30992 (21010522)
505071.98 3633025.90 22.78190 (20122923) 505121.98
3633025.90 22.27541 (20122923)
505171.98 3633025.90 21.95922 (20100121) 505221.98
3633025.90 22.46727 (21022502)
502221.98 3633075.90 5.59477 (19010119) 502271.98
3633075.90 5.31149 (19010119)
502321.98 3633075.90 4.94957 (19010119) 502371.98
3633075.90 5.30803 (21030103)
502421.98 3633075.90 6.81305 (21030103) 502471.98
3633075.90 8.50732 (21030103)
502521.98 3633075.90 10.30429 (21030103) 502571.98
3633075.90 12.06082 (21030103)
502621.98 3633075.90 13.59344 (21030103) 502671.98
3633075.90 14.71252 (21030103)
502721.98 3633075.90 15.24719 (21030103) 502771.98
3633075.90 17.67940 (20121603)
502821.98 3633075.90 26.90520 (20121603) 502871.98
3633075.90 32.00174 (20121603)
502921.98 3633075.90 34.24629 (20121603) 502971.98

3633075.90   31.75096 (20121603)
        503021.98   3633075.90   37.35694 (20092124)   503071.98
3633075.90   40.58808 (20092124)
        503121.98   3633075.90   39.99418 (20092124)   503171.98
3633075.90   33.45077 (20061222)
        503221.98   3633075.90   35.54643 (20082723)   503271.98
3633075.90   37.24013 (20111701)
        503321.98   3633075.90   38.65479 (19081924)   503371.98
3633075.90   44.50232 (19081924)
        503421.98   3633075.90   39.91773 (19081924)   503471.98
3633075.90   41.68368 (19110606)
        503621.98   3633075.90   33.74656 (20050102)   503671.98
3633075.90   34.75324 (20050102)
        503721.98   3633075.90   33.49796 (21020203)   503771.98
3633075.90   28.27913 (20082921)
        503821.98   3633075.90   29.18240 (20082921)   503871.98
3633075.90   28.43252 (20082921)
        503921.98   3633075.90   25.64631 (20080820)   503971.98
3633075.90   27.91211 (20080820)
        504021.98   3633075.90   29.02973 (20022622)   504071.98
3633075.90   28.98439 (21013120)
        504121.98   3633075.90   28.01141 (21011302)   504171.98
3633075.90   28.39509 (19102905)
        504221.98   3633075.90   28.15728 (19121107)   504271.98
3633075.90   28.27756 (20022403)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3633075.90	28.15659	(21011620)	504371.98	3633075.90	28.36568	(21013021)
504421.98	3633075.90	27.11729	(20042404)	504471.98	3633075.90	26.92332	(21120723)
504521.98	3633075.90	26.52943	(20101423)	504571.98	3633075.90	26.11902	(21011323)
504621.98	3633075.90	26.31484	(21011323)	504671.98	3633075.90	26.26986	(21010102)
504721.98	3633075.90	25.66404	(20011902)	504771.98	3633075.90	25.78057	(19022705)
504821.98	3633075.90	25.44992	(21021820)	504871.98	3633075.90	25.34840	(21011520)
504921.98	3633075.90	24.42016	(19121906)	504971.98	3633075.90	24.33381	(21010522)
505021.98	3633075.90	23.78728	(19122301)	505071.98	3633075.90	23.24396	(20122923)
505121.98	3633075.90	22.73011	(20100121)	505171.98	3633075.90	23.27440	(21022502)
505221.98	3633075.90	22.38224	(21022502)	502221.98	3633125.90	6.17879	(19010119)
502271.98	3633125.90	5.96065	(19010119)	502321.98	3633125.90	5.65560	(19010119)
502371.98	3633125.90	5.27652	(19010119)	502421.98	3633125.90	5.67275	(21030103)
502471.98	3633125.90	7.30428	(21030103)	502521.98	3633125.90	9.14188	(21030103)
502571.98	3633125.90	11.07372	(21030103)	502621.98	3633125.90	12.93419	(21030103)
502671.98	3633125.90	14.51842	(21030103)	502721.98	3633125.90	15.61167	(21030103)
502771.98	3633125.90	16.17053	(20121603)	502821.98	3633125.90	19.43987	(20121603)
502871.98	3633125.90	29.86304	(20121603)	502921.98	3633125.90	33.40643	(20121603)
502971.98	3633125.90	34.65746	(20121603)	503021.98	3633125.90	39.62352	(20092124)
503071.98	3633125.90	45.83574	(20092124)	503121.98	3633125.90	44.87276	(20092124)
503171.98	3633125.90	36.40397	(20092124)	503221.98	3633125.90	34.77965	(20082723)
503271.98	3633125.90	37.94581	(20082723)	503321.98	3633125.90	37.02128	(20111701)
503371.98	3633125.90	45.35885	(19081924)	503421.98	3633125.90	42.01883	(19081924)
503471.98	3633125.90	41.96738	(19110606)	503621.98	3633125.90	33.77515	(19091221)

```
        503671.98   3633125.90       34.25419  (20101121)                503721.98
3633125.90       32.47626  (21020203)
        503771.98   3633125.90       28.38246  (21020203)                503821.98
3633125.90       29.70350  (20082921)
        503871.98   3633125.90       29.32123  (20082921)                503921.98
3633125.90       26.99325  (20080820)
        503971.98   3633125.90       28.77859  (20080820)                504021.98
3633125.90       29.86345  (20022622)
        504071.98   3633125.90       29.79892  (21013120)                504121.98
3633125.90       28.26985  (21011302)
        504171.98   3633125.90       29.19177  (19102905)                504221.98
3633125.90       29.23491  (20022403)
        504271.98   3633125.90       28.99331  (21011620)                504321.98
3633125.90       29.09642  (21013021)
        504371.98   3633125.90       28.49292  (21013021)                504421.98
3633125.90       28.39037  (21120723)
        504471.98   3633125.90       27.56231  (20101423)                504521.98
3633125.90       27.11568  (20112022)
        504571.98   3633125.90       27.64267  (21011323)                504621.98
3633125.90       27.09892  (21010102)
        504671.98   3633125.90       26.98287  (20011902)                504721.98
3633125.90       26.59732  (19022705)
        504771.98   3633125.90       26.57895  (21021820)                504821.98
3633125.90       26.04515  (21011520)
        504871.98   3633125.90       25.56265  (21011520)                504921.98
3633125.90       25.34338  (21010522)
        504971.98   3633125.90       24.83812  (19122301)                505021.98
3633125.90       24.27275  (20122923)
        505071.98   3633125.90       23.55091  (20100121)                505121.98
3633125.90       24.12999  (21022502)
        505171.98   3633125.90       23.21926  (19120104)                505221.98
3633125.90       22.46669  (20100521)
        502221.98   3633175.90        6.67782  (19010119)                502271.98
3633175.90        6.55686  (19010119)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                   PAGE 122
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
```

L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502321.98	3633175.90	6.33947	(19010119)	502371.98	3633175.90	6.03735	(19010119)
502421.98	3633175.90	5.64421	(19010119)	502471.98	3633175.90	6.07607	(21030103)
502521.98	3633175.90	7.85328	(21030103)	502571.98	3633175.90	9.84717	(21030103)
502621.98	3633175.90	11.92491	(21030103)	502671.98	3633175.90	13.89290	(21030103)
502721.98	3633175.90	15.51153	(21030103)	502771.98	3633175.90	19.42218	(21030103)
502821.98	3633175.90	27.49902	(21030103)	502871.98	3633175.90	24.75106	(20121603)
502921.98	3633175.90	32.07601	(20121603)	502971.98	3633175.90	33.70385	(20121603)
503021.98	3633175.90	35.30161	(20092124)	503071.98	3633175.90	41.80971	(20092124)
503121.98	3633175.90	45.53137	(20092124)	503171.98	3633175.90	38.10384	(20092124)
503221.98	3633175.90	34.91365	(20082723)	503271.98	3633175.90	40.22278	(20082723)
503321.98	3633175.90	39.83918	(20111701)	503371.98	3633175.90	44.42326	(19081924)
503421.98	3633175.90	44.46155	(19081924)	503471.98	3633175.90	41.79067	(19110606)
503621.98	3633175.90	33.40553	(19082022)	503671.98	3633175.90	34.90452	(20101121)
503721.98	3633175.90	31.36545	(21020203)	503771.98	3633175.90	29.59740	(21020203)
503821.98	3633175.90	30.53957	(20082921)	503871.98	3633175.90	30.27385	(20082921)
503921.98	3633175.90	28.34426	(20080820)	503971.98	3633175.90	29.84090	(19032124)
504021.98	3633175.90	30.64177	(20022622)	504071.98	3633175.90	30.49255	(21013120)
504121.98	3633175.90	29.66824	(19102905)	504171.98	3633175.90	30.00418	(21022205)
504221.98	3633175.90	30.39723	(20022403)	504271.98			

3633175.90 30.21400 (21011620)
  504321.98 3633175.90 30.45914 (21013021) 504371.98
3633175.90 28.95520 (20042404)
  504421.98 3633175.90 28.92994 (21120723) 504471.98
3633175.90 28.33658 (20101423)
  504521.98 3633175.90 28.24046 (21011323) 504571.98
3633175.90 27.78507 (21011323)
  504621.98 3633175.90 27.85742 (20011902) 504671.98
3633175.90 27.10106 (19022705)
  504721.98 3633175.90 27.48690 (21021820) 504771.98
3633175.90 26.94336 (20121007)
  504821.98 3633175.90 26.92703 (21011520) 504871.98
3633175.90 26.30343 (21010522)
  504921.98 3633175.90 25.89900 (19122301) 504971.98
3633175.90 25.34885 (20122923)
  505021.98 3633175.90 24.44320 (20100121) 505071.98
3633175.90 25.05040 (21022502)
  505121.98 3633175.90 24.12806 (19120104) 505171.98
3633175.90 23.41118 (19112707)
  505221.98 3633175.90 23.92901 (20021702) 502221.98
3633225.90 7.06814 (19010119)
  502271.98 3633225.90 7.07855 (19010119) 502321.98
3633225.90 6.97607 (19010119)
  502371.98 3633225.90 6.77647 (19010119) 502421.98
3633225.90 6.45986 (19010119)
  502471.98 3633225.90 6.03805 (19010119) 502521.98
3633225.90 6.52177 (21030103)
  502571.98 3633225.90 8.46015 (21030103) 502621.98
3633225.90 10.62676 (21030103)
  502671.98 3633225.90 12.86342 (21030103) 502721.98
3633225.90 14.93729 (21030103)
  502771.98 3633225.90 16.77086 (21030103) 502821.98
3633225.90 23.14612 (21030103)
  502871.98 3633225.90 25.45807 (21030103) 502921.98
3633225.90 29.30176 (20121603)
  502971.98 3633225.90 31.26482 (20121603) 503021.98
3633225.90 34.08472 (20121603)
  503071.98 3633225.90 34.96553 (20092124) 503121.98
3633225.90 36.22638 (20092124)
  503171.98 3633225.90 40.34584 (20092124) 503221.98
3633225.90 37.59278 (20092124)
  503271.98 3633225.90 40.35855 (20082723) 503321.98
3633225.90 42.79770 (20111701)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503371.98	3633225.90	42.48134	(20111701)	503421.98	3633225.90	45.84323	(19081924)
503471.98	3633225.90	42.34877	(19081924)	503621.98	3633225.90	36.04516	(19082022)
503671.98	3633225.90	35.04661	(20101121)	503721.98	3633225.90	31.76458	(21020203)
503771.98	3633225.90	30.81918	(21020203)	503821.98	3633225.90	31.63563	(20082921)
503871.98	3633225.90	31.29390	(20082921)	503921.98	3633225.90	29.70366	(20080820)
503971.98	3633225.90	31.00502	(20022622)	504021.98	3633225.90	31.36738	(20022622)
504071.98	3633225.90	31.31453	(21011302)	504121.98	3633225.90	31.15776	(19102905)
504171.98	3633225.90	30.87412	(19121107)	504221.98	3633225.90	31.13017	(20022403)
504271.98	3633225.90	30.86421	(21011620)	504321.98	3633225.90	31.09288	(21013021)
504371.98	3633225.90	30.33088	(21120723)	504421.98	3633225.90	29.51292	(20101423)
504471.98	3633225.90	28.98683	(20112022)	504521.98	3633225.90	29.57035	(21011323)
504571.98	3633225.90	29.20242	(21010102)	504621.98	3633225.90	28.62490	(20011902)
504671.98	3633225.90	28.64113	(19022705)	504721.98	3633225.90	28.00707	(21021820)
504771.98	3633225.90	28.21999	(21011520)	504821.98	3633225.90	27.23970	(21010522)

504871.98 3633225.90 26.95306 (19122301) 504921.98
3633225.90 26.46728 (20122923)
504971.98 3633225.90 25.40135 (20100121) 505021.98
3633225.90 26.05343 (21022502)
505071.98 3633225.90 25.11433 (19120104) 505121.98
3633225.90 24.36865 (19112707)
505171.98 3633225.90 24.85192 (20021702) 505221.98
3633225.90 24.37914 (20020804)
502221.98 3633275.90 7.95761 (21111004) 502271.98
3633275.90 7.46054 (19010119)
502321.98 3633275.90 7.51186 (19010119) 502371.98
3633275.90 7.44049 (19010119)
502421.98 3633275.90 7.23905 (19010119) 502471.98
3633275.90 6.91713 (19010119)
502521.98 3633275.90 6.48420 (19010119) 502571.98
3633275.90 7.01681 (21030103)
502621.98 3633275.90 9.13613 (21030103) 502671.98
3633275.90 11.49459 (21030103)
502721.98 3633275.90 13.90535 (21030103) 502771.98
3633275.90 16.26667 (21030103)
502821.98 3633275.90 36.38234 (20122620) 502871.98
3633275.90 27.70951 (21030103)
502921.98 3633275.90 24.66874 (20121603) 502971.98
3633275.90 28.15812 (20121603)
503021.98 3633275.90 34.20253 (20121603) 503071.98
3633275.90 30.22834 (20121603)
503121.98 3633275.90 25.08639 (20121603) 503171.98
3633275.90 29.40909 (21063005)
503221.98 3633275.90 40.07081 (20092124) 503271.98
3633275.90 41.22194 (20082723)
503321.98 3633275.90 44.32443 (20082723) 503371.98
3633275.90 46.16708 (20111701)
503421.98 3633275.90 45.80025 (19081924) 503471.98
3633275.90 40.34302 (21020924)
503621.98 3633275.90 36.56367 (19082022) 503671.98
3633275.90 34.39527 (20101121)
503721.98 3633275.90 32.57790 (21020203) 503771.98
3633275.90 32.13413 (21020203)
503821.98 3633275.90 32.85714 (20082921) 503871.98
3633275.90 32.37657 (20082921)
503921.98 3633275.90 31.05340 (20080820) 503971.98
3633275.90 32.35399 (20022622)
504021.98 3633275.90 32.57970 (21013120) 504071.98
3633275.90 32.17338 (21011302)
504121.98 3633275.90 32.34717 (19102905) 504171.98
3633275.90 32.05074 (20022403)
504221.98 3633275.90 32.06330 (21011620) 504271.98
3633275.90 32.56666 (21013021)
504321.98 3633275.90 30.91649 (20042404) 504371.98
3633275.90 31.14617 (21120723)

```
        504421.98   3633275.90       30.38847  (20101423)                504471.98
3633275.90       30.57039  (21011323)
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE 124
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
        504521.98   3633275.90       29.97273  (21010102)                504571.98
3633275.90       30.09558  (20011902)
        504621.98   3633275.90       29.76018  (19022705)                504671.98
3633275.90       29.56807  (21021820)
        504721.98   3633275.90       29.40393  (21011520)                504771.98
3633275.90       28.15798  (19121906)
        504821.98   3633275.90       28.01825  (19122301)                504871.98
3633275.90       27.61824  (20122923)
        504921.98   3633275.90       26.32382  (20100121)                504971.98
3633275.90       27.12922  (21022502)
        505021.98   3633275.90       26.17591  (19120104)                505071.98
3633275.90       25.37132  (19112707)
        505121.98   3633275.90       25.83010  (20021702)                505171.98
3633275.90       25.28863  (20020804)
        505221.98   3633275.90       24.39480  (21010922)                502221.98
3633325.90        9.19547  (21111004)
        502271.98   3633325.90        8.70300  (21111004)                502321.98
3633325.90        8.07994  (21111004)
        502371.98   3633325.90        7.97698  (19010119)                502421.98
```

```
3633325.90        7.93178  (19010119)
        502471.98   3633325.90        7.74310  (19010119)                502521.98
3633325.90        7.42478  (19010119)
        502571.98   3633325.90        6.97430  (19010119)                502621.98
3633325.90        7.56748  (21030103)
        502671.98   3633325.90        9.89146  (21030103)                502721.98
3633325.90       12.46560  (21030103)
        502771.98   3633325.90       16.19887  (21030103)                502821.98
3633325.90       23.39333  (21030103)
        502871.98   3633325.90       19.06465  (21030103)                502921.98
3633325.90       20.49493  (20121603)
        502971.98   3633325.90       25.33410  (20121603)                503021.98
3633325.90       30.13554  (20121603)
        503071.98   3633325.90       29.40352  (20121603)                503121.98
3633325.90       27.73017  (20121603)
        503171.98   3633325.90       24.33605  (20121603)                503221.98
3633325.90       26.73525  (21063005)
        503271.98   3633325.90       45.32406  (20092124)                503321.98
3633325.90       45.51453  (20082723)
        503371.98   3633325.90       49.66542  (20111701)                503421.98
3633325.90       39.65126  (20111701)
        503471.98   3633325.90       36.63910  (21020924)                503621.98
3633325.90       36.57241  (19082022)
        503671.98   3633325.90       33.15516  (20101121)                503721.98
3633325.90       33.58256  (21020203)
        503771.98   3633325.90       33.45057  (21020203)                503821.98
3633325.90       34.18658  (20082921)
        503871.98   3633325.90       33.52861  (20082921)                503921.98
3633325.90       32.34956  (20080820)
        503971.98   3633325.90       33.60507  (20022622)                504021.98
3633325.90       33.79223  (21013120)
        504071.98   3633325.90       32.83599  (21011302)                504121.98
3633325.90       33.23584  (19102905)
        504171.98   3633325.90       33.47513  (20022403)                504221.98
3633325.90       33.37164  (21011620)
        504271.98   3633325.90       33.74929  (21013021)                504321.98
3633325.90       32.39770  (21120723)
        504371.98   3633325.90       31.56532  (20101423)                504421.98
3633325.90       31.05524  (20112022)
        504471.98   3633325.90       31.65413  (21011323)                504521.98
3633325.90       31.31375  (21010102)
        504571.98   3633325.90       30.51696  (19022705)                504621.98
3633325.90       30.88122  (21021820)
        504671.98   3633325.90       30.44903  (21011520)                504721.98
3633325.90       29.49425  (19121906)
        504771.98   3633325.90       29.12294  (21010522)                504821.98
3633325.90       28.80688  (20122923)
        504871.98   3633325.90       27.38654  (20100121)                504921.98
3633325.90       28.16594  (21022502)
        504971.98   3633325.90       27.23297  (19120104)                505021.98
```

503021.98 3633375.90 27.46331 (20121603) 503071.98 3633375.90 30.00957 (20121603)
503121.98 3633375.90 30.33599 (20121603) 503171.98 3633375.90 28.07567 (20121603)
503221.98 3633375.90 25.91852 (21063005) 503271.98 3633375.90 28.52543 (20102407)
503321.98 3633375.90 41.70098 (20102407) 503371.98 3633375.90 51.81237 (20111701)
503421.98 3633375.90 37.96014 (20111701) 503471.98 3633375.90 40.21805 (21020924)
503621.98 3633375.90 40.21070 (19082022) 503671.98 3633375.90 34.30180 (19091221)
503721.98 3633375.90 34.72822 (20050102) 503771.98 3633375.90 34.72652 (21020203)
503821.98 3633375.90 36.04530 (20082921) 503871.98 3633375.90 34.87822 (20082921)
503921.98 3633375.90 33.61246 (20080820) 503971.98 3633375.90 34.84606 (20022622)
504021.98 3633375.90 34.92327 (21013120) 504071.98 3633375.90 34.03023 (19102905)
504121.98 3633375.90 34.12827 (21022205) 504171.98 3633375.90 34.50819 (20022403)
504221.98 3633375.90 34.64475 (21013021) 504271.98 3633375.90 34.00370 (21013021)
504321.98 3633375.90 33.44967 (21120723) 504371.98 3633375.90 32.41168 (20101423)
504421.98 3633375.90 33.01916 (21011323) 504471.98 3633375.90 32.66883 (21010102)
504521.98 3633375.90 32.21008 (20011902) 504571.98 3633375.90 32.05444 (19022705)
504621.98 3633375.90 31.47041 (20121007) 504671.98 3633375.90 31.14175 (21011520)
504721.98 3633375.90 30.62415 (21010522) 504771.98 3633375.90 30.05813 (20122923)
504821.98 3633375.90 28.57464 (20100121) 504871.98 3633375.90 29.33570 (21022502)
504921.98 3633375.90 28.30723 (19120104) 504971.98 3633375.90 27.66051 (20021702)
505021.98 3633375.90 27.73444 (20021702) 505071.98 3633375.90 27.09658 (20020804)
505121.98 3633375.90 26.64472 (21012402) 505171.98 3633375.90 25.91578 (20121620)
505221.98 3633375.90 25.76557 (20022406) 502221.98 3633425.90 11.12447 (21111004)
502271.98 3633425.90 11.07056 (21111004) 502321.98 3633425.90 10.82665 (21111004)
502371.98 3633425.90 10.39612 (21111004) 502421.98 3633425.90 9.78519 (21111004)
502471.98 3633425.90 9.02234 (19010119) 502521.98 3633425.90 9.06246 (19010119)

```
        502571.98   3633425.90        8.92879  (19010119)               502621.98
3633425.90        8.61694  (19010119)
        502671.98   3633425.90        8.13018  (19010119)               502721.98
3633425.90        8.87703  (21030103)
        502771.98   3633425.90       11.70110  (21030103)               502821.98
3633425.90       14.79455  (21030103)
        502871.98   3633425.90       17.83227  (21030103)               502921.98
3633425.90       20.37624  (21030103)
        502971.98   3633425.90       21.97091  (21030103)               503021.98
3633425.90       25.86087  (20121603)
        503071.98   3633425.90       30.12309  (20121603)               503121.98
3633425.90       32.26260  (20121603)
        503171.98   3633425.90       31.56647  (20121603)               503221.98
3633425.90       28.10254  (20121603)
        503271.98   3633425.90       27.65221  (21063005)               503321.98
3633425.90       44.75008  (20092124)
        503371.98   3633425.90       52.42948  (20111701)               503421.98
3633425.90       44.13964  (20111701)
        503471.98   3633425.90       43.08909  (21110603)               503621.98
3633425.90       47.46027  (19082022)
♠ *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE 126
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        503671.98   3633425.90       38.31636  (19091221)               503721.98
```

```
3633425.90       35.95896  (20050102)
        503771.98   3633425.90       36.04624  (21020203)                503821.98
3633425.90       38.22885  (20082921)
        503871.98   3633425.90       37.12325  (20082921)                503921.98
3633425.90       37.84927  (20081802)
        503971.98   3633425.90       37.68411  (20080922)                504021.98
3633425.90       35.99418  (21013120)
        504071.98   3633425.90       35.77202  (19102905)                504121.98
3633425.90       35.76373  (20081021)
        504171.98   3633425.90       35.60016  (21011620)                504221.98
3633425.90       36.37686  (21013021)
        504271.98   3633425.90       35.17098  (20073022)                504321.98
3633425.90       36.29301  (20072721)
        504371.98   3633425.90       33.38780  (21011323)                504421.98
3633425.90       33.74913  (21011323)
        504471.98   3633425.90       33.83415  (20011902)                504521.98
3633425.90       33.55493  (19022705)
        504571.98   3633425.90       33.01838  (21021820)                504621.98
3633425.90       32.88989  (21011520)
        504671.98   3633425.90       31.98632  (21010522)                504721.98
3633425.90       31.23929  (20122923)
        504771.98   3633425.90       29.68286  (20100121)                504821.98
3633425.90       30.75262  (21022502)
        504871.98   3633425.90       29.53415  (19120104)                504921.98
3633425.90       29.01202  (20021702)
        504971.98   3633425.90       28.73677  (20020804)                505021.98
3633425.90       28.02710  (21010922)
        505071.98   3633425.90       27.93397  (21012402)                505121.98
3633425.90       27.15704  (20121620)
        505171.98   3633425.90       26.97540  (20022406)                505221.98
3633425.90       25.79537  (19010903)
        502221.98   3633475.90       11.59333  (21111004)                502271.98
3633475.90       11.83347  (21111004)
        502321.98   3633475.90       11.88866  (21111004)                502371.98
3633475.90       11.73994  (21111004)
        502421.98   3633475.90       11.37631  (21111004)                502471.98
3633475.90       10.80986  (21111004)
        502521.98   3633475.90       10.00927  (21111004)                502571.98
3633475.90        9.70074  (19010119)
        502621.98   3633475.90        9.61223  (19010119)                502671.98
3633475.90        9.31252  (19010119)
        504771.98   3633475.90       31.89374  (21022502)                504821.98
3633475.90       30.86139  (19120104)
        504871.98   3633475.90       30.44071  (20021702)                504921.98
3633475.90       30.04624  (20020804)
        504971.98   3633475.90       29.19929  (21010922)                505021.98
3633475.90       29.10809  (21012402)
        505071.98   3633475.90       28.28019  (20121620)                505121.98
3633475.90       28.00129  (20022406)
        505171.98   3633475.90       26.84654  (19010903)                505221.98
```

3633475.90   26.23126 (21121121)
        502221.98   3633525.90   11.63488 (21111004)   502271.98
3633525.90   12.18061 (21111004)
        502321.98   3633525.90   12.56394 (21111004)   502371.98
3633525.90   12.76800 (21111004)
        502421.98   3633525.90   12.74351 (21111004)   502471.98
3633525.90   12.46941 (21111004)
        502521.98   3633525.90   11.91246 (21111004)   502571.98
3633525.90   11.10828 (21111004)
        502621.98   3633525.90   10.38887 (19010119)   502671.98
3633525.90   10.35205 (19010119)
        504771.98   3633525.90   32.35348 (19120104)   504821.98
3633525.90   32.05288 (20021702)
        504871.98   3633525.90   31.54315 (20020804)   504921.98
3633525.90   31.66496 (20081803)
        504971.98   3633525.90   31.47929 (20081803)   505021.98
3633525.90   29.53758 (20022406)
        505071.98   3633525.90   28.73322 (20022406)   505121.98
3633525.90   28.07731 (21121121)
        505171.98   3633525.90   27.62587 (21120121)   505221.98
3633525.90   26.61213 (21021801)
        502221.98   3633575.90   11.22484 (21111004)   502271.98
3633575.90   12.02414 (21111004)
        502321.98   3633575.90   12.73358 (21111004)   502371.98
3633575.90   13.30889 (21111004)
        502421.98   3633575.90   13.66970 (21111004)   502471.98
3633575.90   13.77211 (21111004)
        502521.98   3633575.90   13.59261 (21111004)   502571.98
3633575.90   13.12246 (21111004)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633575.90	12.36803	(21111004)	502671.98	3633575.90	11.34652	(21111004)
504771.98	3633575.90	33.74991	(20021702)	504821.98	3633575.90	33.32192	(20081805)
504871.98	3633575.90	33.84818	(20081803)	504921.98	3633575.90	32.51836	(20081803)
504971.98	3633575.90	33.95304	(20111118)	505021.98	3633575.90	31.61180	(20111118)
505071.98	3633575.90	29.52210	(21011418)	505121.98	3633575.90	28.83332	(21120121)
505171.98	3633575.90	27.89350	(21021801)	505221.98	3633575.90	27.20269	(21011022)
502221.98	3633625.90	10.35226	(21111004)	502271.98	3633625.90	11.35520	(21111004)
502321.98	3633625.90	12.35885	(21111004)	502371.98	3633625.90	13.26714	(21111004)
502421.98	3633625.90	14.03437	(21111004)	502471.98	3633625.90	14.56444	(21111004)
502521.98	3633625.90	14.87165	(21111004)	502571.98	3633625.90	14.85555	(21111004)
502621.98	3633625.90	14.50448	(21111004)	502671.98	3633625.90	13.79880	(21111004)
504771.98	3633625.90	34.79744	(20081805)	504821.98	3633625.90	37.41650	(20081803)
504871.98	3633625.90	35.77980	(20111118)	504921.98	3633625.90	35.49951	(20111118)
504971.98	3633625.90	34.90146	(21011418)	505021.98	3633625.90	35.85566	(21011418)
505071.98	3633625.90	31.65853	(21011418)	505121.98	3633625.90	29.03953	(21011022)
505171.98	3633625.90	28.27082	(20021024)	505221.98	3633625.90	28.15720	(21122302)
502221.98	3633675.90	9.11143	(21111004)	502271.98	3633675.90	10.23738	(21111004)
502321.98	3633675.90	11.43100	(21111004)	502371.98	3633675.90	12.59728	(21111004)
502421.98	3633675.90	13.72497	(21111004)	502471.98	3633675.90	14.70137	(21111004)
502521.98	3633675.90	15.49185	(21111004)	502571.98	3633675.90	16.00731	(21111004)
502621.98	3633675.90	16.19139	(21111004)	502671.98	3633675.90	15.99189	(21111004)

```
        504771.98   3633675.90       39.33284  (20081803)               504821.98
3633675.90       39.73866  (20111118)
        504871.98   3633675.90       39.02980  (20111118)               504921.98
3633675.90       39.33784  (21011418)
        504971.98   3633675.90       39.41336  (21011418)               505021.98
3633675.90       36.32111  (21011418)
        505071.98   3633675.90       30.19460  (21011022)               505121.98
3633675.90       29.87078  (21122302)
        505171.98   3633675.90       29.63667  (21122302)               505221.98
3633675.90       28.43624  (21011724)
        502221.98   3633725.90       10.99857  (21012320)               502271.98
3633725.90       10.07384  (21012320)
        502321.98   3633725.90       10.07012  (21111004)               502371.98
3633725.90       11.40243  (21111004)
        502421.98   3633725.90       12.76090  (21111004)               502471.98
3633725.90       14.08861  (21111004)
        502521.98   3633725.90       15.32067  (21111004)               502571.98
3633725.90       16.37535  (21111004)
        502621.98   3633725.90       17.16677  (21111004)               502671.98
3633725.90       17.60335  (21111004)
        504771.98   3633725.90       45.56696  (20111118)               504821.98
3633725.90       41.63867  (21011418)
        504871.98   3633725.90       43.84358  (21011418)               504921.98
3633725.90       42.03193  (21011418)
        504971.98   3633725.90       37.44191  (21011418)               505021.98
3633725.90       32.07640  (20081722)
        505071.98   3633725.90       31.68897  (21122302)               505121.98
3633725.90       30.60963  (21011724)
        505171.98   3633725.90       30.20334  (21010408)               505221.98
3633725.90       29.01266  (21011720)
        502221.98   3633775.90       14.04678  (21012320)               502271.98
3633775.90       13.28055  (21012320)
        502321.98   3633775.90       12.50804  (21012320)               502371.98
3633775.90       11.53393  (21012320)
        502421.98   3633775.90       11.25983  (21111004)               502471.98
3633775.90       12.77861  (21111004)
        502521.98   3633775.90       14.33675  (21111004)               502571.98
3633775.90       15.84201  (21111004)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE 128
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
```

```
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3633775.90       17.19631  (21111004)               502671.98
3633775.90       18.30913  (21111004)
        504771.98   3633775.90       50.27719  (21011418)               504821.98
3633775.90       49.62473  (21011418)
        504871.98   3633775.90       44.74820  (21011418)               504921.98
3633775.90       36.92498  (21011418)
        504971.98   3633775.90       34.18300  (20081722)               505021.98
3633775.90       32.69808  (21011724)
        505071.98   3633775.90       32.24775  (21010408)               505121.98
3633775.90       31.19997  (21011720)
        505171.98   3633775.90       30.23301  (21011720)               505221.98
3633775.90       29.29302  (21011221)
        502221.98   3633825.90       16.87620  (21012320)               502271.98
3633825.90       16.44095  (21012320)
        502321.98   3633825.90       15.95126  (21012320)               502371.98
3633825.90       15.24188  (21012320)
        502421.98   3633825.90       14.33082  (21012320)               502471.98
3633825.90       13.24253  (21012320)
        502521.98   3633825.90       12.64483  (21111004)               502571.98
3633825.90       14.43252  (21111004)
        502621.98   3633825.90       16.22909  (21111004)               502671.98
3633825.90       17.92704  (21111004)
        504771.98   3633825.90       54.07406  (21011418)               504821.98
3633825.90       47.16061  (21011418)
        504871.98   3633825.90       37.77679  (20081722)               504921.98
3633825.90       35.37386  (21122302)
        504971.98   3633825.90       34.56257  (21010408)               505021.98
3633825.90       33.42885  (21011720)
        505071.98   3633825.90       32.46544  (21011720)               505121.98
3633825.90       31.54104  (20121406)
        505171.98   3633825.90       31.05052  (20121406)               505221.98
3633825.90       29.48553  (20021305)
        502221.98   3633875.90       18.87604  (21012320)               502271.98
```

```
3633875.90       18.96516  (21012320)
        502321.98   3633875.90       19.00391  (21012320)                502371.98
3633875.90       18.71176  (21012320)
        502421.98   3633875.90       18.23776  (21012320)                502471.98
3633875.90       17.47190  (21012320)
        502521.98   3633875.90       16.53074  (21012320)                502571.98
3633875.90       15.36020  (21012320)
        502621.98   3633875.90       14.34416  (21111004)                502671.98
3633875.90       16.42524  (21111004)
        504771.98   3633875.90       48.34945  (20081722)                504821.98
3633875.90       41.94486  (20081722)
        504871.98   3633875.90       37.25071  (21010408)                504921.98
3633875.90       36.22205  (21010408)
        504971.98   3633875.90       35.05637  (21011720)                505021.98
3633875.90       34.06210  (20121406)
        505071.98   3633875.90       33.26847  (20121406)                505121.98
3633875.90       31.76276  (20021305)
        505171.98   3633875.90       31.39280  (20021723)                505221.98
3633875.90       30.66964  (19011606)
        502221.98   3633925.90       19.69531  (21012320)                502271.98
3633925.90       20.38207  (21012320)
        502321.98   3633925.90       20.98132  (21012320)                502371.98
3633925.90       21.29613  (21012320)
        502421.98   3633925.90       21.50729  (21012320)                502471.98
3633925.90       21.36259  (21012320)
        502521.98   3633925.90       20.97816  (21012320)                502571.98
3633925.90       20.28582  (21012320)
        502621.98   3633925.90       19.27673  (21012320)                502671.98
3633925.90       17.93923  (21012320)
        504771.98   3633925.90       45.55785  (21091121)                504821.98
3633925.90       41.13243  (20080422)
        504871.98   3633925.90       38.17227  (21011720)                504921.98
3633925.90       36.90962  (20121406)
        504971.98   3633925.90       35.83890  (20121406)                505021.98
3633925.90       34.51535  (20021723)
        505071.98   3633925.90       33.81584  (20021723)                505121.98
3633925.90       33.20890  (19011606)
        505171.98   3633925.90       32.12347  (20081804)                505221.98
3633925.90       32.14615  (20081804)
        502221.98   3633975.90       19.11864  (21012320)                502271.98
3633975.90       20.22109  (21012320)
        502321.98   3633975.90       21.37777  (21012320)                502371.98
3633975.90       22.45252  (21012320)
        502421.98   3633975.90       23.34966  (21012320)                502471.98
3633975.90       24.01336  (21012320)
        502521.98   3633975.90       24.44906  (21012320)                502571.98
3633975.90       24.55044  (21012320)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633975.90	24.32246	(21012320)	502671.98	3633975.90	23.66050	(21012320)
504771.98	3633975.90	44.67984	(20080422)	504821.98	3633975.90	42.89967	(20072623)
504871.98	3633975.90	40.09272	(20072623)	504921.98	3633975.90	37.57122	(20021723)
504971.98	3633975.90	36.80529	(19011606)	505021.98	3633975.90	35.75770	(19011606)
505071.98	3633975.90	34.07154	(20012223)	505121.98	3633975.90	33.74375	(19121305)
505171.98	3633975.90	32.64386	(19121305)	505221.98	3633975.90	31.73769	(20082223)
502221.98	3634025.90	17.18620	(21012320)	502271.98	3634025.90	18.58724	(21012320)
502321.98	3634025.90	20.13132	(21012320)	502371.98	3634025.90	21.71876	(21012320)
502421.98	3634025.90	23.23602	(21012320)	502471.98	3634025.90	24.66339	(21012320)
502521.98	3634025.90	25.95480	(21012320)	502571.98	3634025.90	27.04616	(21012320)
502621.98	3634025.90	27.87889	(21012320)	502671.98	3634025.90	28.32008	(21012320)
504771.98	3634025.90	44.45743	(20090223)	504821.98	3634025.90	45.27040	(20081804)

```
        504871.98   3634025.90       43.53817  (20081804)                504921.98
3634025.90       39.79335  (20081804)
        504971.98   3634025.90       37.66716  (19121305)                505021.98
3634025.90       36.35933  (19121305)
        505071.98   3634025.90       34.01174  (19121305)                505121.98
3634025.90       33.46549  (19011923)
        505171.98   3634025.90       32.30428  (19011923)                505221.98
3634025.90       31.32744  (19012803)
        502221.98   3634075.90       14.21663  (21012320)                502271.98
3634075.90       15.74089  (21012320)
        502321.98   3634075.90       17.42191  (21012320)                502371.98
3634075.90       19.20417  (21012320)
        502421.98   3634075.90       21.05828  (21012320)                502471.98
3634075.90       23.00436  (21012320)
        502521.98   3634075.90       25.00424  (21012320)                502571.98
3634075.90       27.01561  (21012320)
        502621.98   3634075.90       28.85034  (21012320)                502671.98
3634075.90       30.54078  (21012320)
        504771.98   3634075.90       50.64902  (20081804)                504821.98
3634075.90       48.28583  (20081804)
        504871.98   3634075.90       41.27907  (19121305)                504921.98
3634075.90       38.58647  (19121305)
        504971.98   3634075.90       37.60369  (19011923)                505021.98
3634075.90       36.11892  (19011923)
        505071.98   3634075.90       34.86363  (19012803)                505121.98
3634075.90       33.63986  (21121821)
        505171.98   3634075.90       32.59366  (21121821)                505221.98
3634075.90       31.82271  (20121224)
        502221.98   3634125.90       14.98586  (19083104)                502271.98
3634125.90       15.21004  (19083104)
        502321.98   3634125.90       15.35554  (19083104)                502371.98
3634125.90       15.59551  (21012320)
        502421.98   3634125.90       17.50102  (21012320)                502471.98
3634125.90       19.57778  (21012320)
        502521.98   3634125.90       21.80977  (21012320)                502571.98
3634125.90       24.19015  (21012320)
        502621.98   3634125.90       26.81453  (21012320)                502671.98
3634125.90       29.46546  (21012320)
        504771.98   3634125.90       44.70764  (20082223)                504821.98
3634125.90       42.26706  (20082223)
        504871.98   3634125.90       40.33855  (19012803)                504921.98
3634125.90       39.01061  (19012803)
        504971.98   3634125.90       37.87463  (21121821)                505021.98
3634125.90       36.50462  (20121224)
        505071.98   3634125.90       35.24284  (20121224)                505121.98
3634125.90       33.83669  (20020703)
        505171.98   3634125.90       32.90509  (20020703)                505221.98
3634125.90       31.66738  (20020703)
        502221.98   3634175.90       16.55562  (19083104)                502271.98
3634175.90       17.08332  (19083104)
```

3634225.90 19.54231 (19083104)
502421.98 3634225.90 20.38039 (19083104) 502471.98
3634225.90 21.20562 (19083104)
502521.98 3634225.90 22.00155 (19083104) 502571.98
3634225.90 22.81470 (19083104)
502621.98 3634225.90 23.58594 (19083104) 502671.98
3634225.90 24.33441 (19083104)
504771.98 3634225.90 44.65077 (20020703) 504821.98
3634225.90 42.17308 (20020703)
504871.98 3634225.90 40.32758 (21122121) 504921.98
3634225.90 39.74872 (21122121)
504971.98 3634225.90 38.69582 (21122121) 505021.98
3634225.90 37.45606 (21122121)
505071.98 3634225.90 36.23898 (20121803) 505121.98
3634225.90 35.18057 (20121803)
505171.98 3634225.90 34.01070 (20121803) 505221.98
3634225.90 33.06566 (20121803)
502221.98 3634275.90 16.14916 (19083104) 502271.98
3634275.90 17.05378 (19083104)
502321.98 3634275.90 18.07294 (19083104) 502371.98
3634275.90 19.21750 (19083104)
502421.98 3634275.90 20.32026 (19083104) 502471.98
3634275.90 21.46842 (19083104)
502521.98 3634275.90 22.67918 (19083104) 502571.98
3634275.90 23.93734 (19083104)
502621.98 3634275.90 25.27145 (19083104) 502671.98
3634275.90 26.64976 (19083104)
504771.98 3634275.90 45.65224 (21122121) 504821.98
3634275.90 44.13125 (20121803)
504871.98 3634275.90 42.53382 (20121803) 504921.98
3634275.90 40.61288 (20121803)
504971.98 3634275.90 38.88372 (21122201) 505021.98
3634275.90 37.44733 (21122201)
505071.98 3634275.90 35.81206 (21122201) 505121.98
3634275.90 34.59058 (19021906)
505171.98 3634275.90 33.35217 (19021906) 505221.98
3634275.90 32.53135 (19021906)
502221.98 3634325.90 14.16659 (19083104) 502271.98
3634325.90 15.09728 (19083104)
502321.98 3634325.90 16.09179 (19083104) 502371.98
3634325.90 17.16956 (19083104)
502421.98 3634325.90 18.32963 (19083104) 502471.98
3634325.90 19.57187 (19083104)
502521.98 3634325.90 20.92690 (19083104) 502571.98
3634325.90 22.38839 (19083104)
502621.98 3634325.90 23.96712 (19083104) 502671.98
3634325.90 25.69872 (19083104)
504771.98 3634325.90 45.36663 (19021906) 504821.98
3634325.90 43.41849 (19021906)
504871.98 3634325.90 41.34357 (19021906) 504921.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3634375.90   20.54154 (19083104)   502671.98
3634375.90   22.10983 (19083104)
        504771.98   3634375.90   45.65725 (20013123)   504821.98
3634375.90   43.25776 (20013123)
        504871.98   3634375.90   41.00213 (20013123)   504921.98
3634375.90   38.92682 (21013019)

```
        504971.98   3634375.90       37.78126  (20092120)              505021.98
3634375.90       36.55231  (21013019)
        505071.98   3634375.90       35.28528  (21013019)              505121.98
3634375.90       35.86447  (20092120)
        505171.98   3634375.90       34.17535  (20092120)              505221.98
3634375.90       33.04625  (20092120)
        502221.98   3634425.90       16.34625  (21021102)              502271.98
3634425.90       17.09861  (21021102)
        502321.98   3634425.90       17.88844  (21021102)              502371.98
3634425.90       18.73968  (21021102)
        502421.98   3634425.90       19.66854  (21021102)              502471.98
3634425.90       20.65229  (21021102)
        502521.98   3634425.90       21.74564  (21021102)              502571.98
3634425.90       22.92099  (21021102)
        502621.98   3634425.90       24.20841  (21021102)              502671.98
3634425.90       25.60593  (21021102)
        504771.98   3634425.90       46.13317  (19122101)              504821.98
3634425.90       44.18170  (19122101)
        504871.98   3634425.90       44.81163  (20082306)              504921.98
3634425.90       46.66571  (20082306)
        504971.98   3634425.90       42.04550  (20082306)              505021.98
3634425.90       39.83725  (20082306)
        505071.98   3634425.90       40.01673  (20082306)              505121.98
3634425.90       39.44869  (20082306)
        505171.98   3634425.90       37.10552  (20082306)              505221.98
3634425.90       35.09666  (20082306)
        502221.98   3634475.90       19.75979  (21021102)              502271.98
3634475.90       20.69968  (21021102)
        502321.98   3634475.90       21.70482  (21021102)              502371.98
3634475.90       22.78903  (21021102)
        502421.98   3634475.90       23.95955  (21021102)              502471.98
3634475.90       25.21808  (21021102)
        502521.98   3634475.90       26.61221  (21021102)              502571.98
3634475.90       28.11567  (21021102)
        502621.98   3634475.90       29.75510  (21021102)              502671.98
3634475.90       31.55434  (21021102)
        504771.98   3634475.90       44.85489  (21021007)              504821.98
3634475.90       43.01028  (20082306)
        504871.98   3634475.90       47.77943  (20082306)              504921.98
3634475.90       54.19858  (20082306)
        504971.98   3634475.90       50.42929  (20082306)              505021.98
3634475.90       48.05306  (20082306)
        505071.98   3634475.90       46.84347  (20082306)              505121.98
3634475.90       44.30694  (20082306)
        505171.98   3634475.90       41.37929  (20082306)              505221.98
3634475.90       38.84179  (20082306)
        502221.98   3634525.90       21.59256  (21021102)              502271.98
3634525.90       22.55943  (21021102)
        502321.98   3634525.90       23.59914  (21021102)              502371.98
3634525.90       24.71907  (21021102)
```

```
        502421.98   3634525.90       25.91260  (21021102)                502471.98
3634525.90       27.20199  (21021102)
        502521.98   3634525.90       28.58616  (21021102)                502571.98
3634525.90       30.09588  (21021102)
        502621.98   3634525.90       31.72505  (21021102)                502671.98
3634525.90       33.53046  (21021102)
        504771.98   3634525.90       47.40184  (20041201)                504821.98
3634525.90       43.92672  (20041201)
        504871.98   3634525.90       46.48529  (20041201)                504921.98
3634525.90       51.59252  (20041201)
        504971.98   3634525.90       51.22480  (20011720)                505021.98
3634525.90       47.92322  (20011720)
        505071.98   3634525.90       45.02949  (20011720)                505121.98
3634525.90       40.75665  (20011720)
        505171.98   3634525.90       36.92099  (20011720)                505221.98
3634525.90       34.07798  (20011720)
        502221.98   3634575.90       21.35160  (21021102)                502271.98
3634575.90       22.13931  (21021102)
        502321.98   3634575.90       23.00012  (21021102)                502371.98
3634575.90       23.91946  (21021102)
        502421.98   3634575.90       24.89314  (21021102)                502471.98
3634575.90       25.92483  (21021102)
        502521.98   3634575.90       27.00591  (21021102)                502571.98
3634575.90       28.15444  (21021102)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE 132
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
```

Y-COORD (M)		CONC	(YYMMDDHH)		
502621.98	3634575.90	29.37195	(21021102)	502671.98	3634575.90	30.68250	(21021102)
504771.98	3634575.90	64.41320	(20041201)	504821.98	3634575.90	60.59423	(20041201)
504871.98	3634575.90	63.26216	(20041201)	504921.98	3634575.90	63.68414	(20041201)
504971.98	3634575.90	60.77168	(20041201)	505021.98	3634575.90	57.22847	(20041201)
505071.98	3634575.90	53.53119	(20041201)	505121.98	3634575.90	49.77707	(20041201)
505171.98	3634575.90	43.26032	(20041201)	505221.98	3634575.90	39.58057	(20041201)
502221.98	3634625.90	19.07658	(21021102)	502271.98	3634625.90	19.61259	(21021102)
502321.98	3634625.90	20.12468	(21021102)	502371.98	3634625.90	20.69018	(21021102)
502421.98	3634625.90	21.26764	(21021102)	502471.98	3634625.90	21.86084	(21021102)
502521.98	3634625.90	22.48602	(21021102)	502571.98	3634625.90	23.08566	(21021102)
502621.98	3634625.90	23.69092	(21021102)	502671.98	3634625.90	24.28540	(21021102)
504771.98	3634625.90	66.50299	(20081806)	504821.98	3634625.90	59.09623	(20081806)
504871.98	3634625.90	57.60382	(20041201)	504921.98	3634625.90	57.11913	(20041201)
504971.98	3634625.90	57.07340	(20041201)	505021.98	3634625.90	55.13634	(20041201)
505071.98	3634625.90	52.11908	(20041201)	505121.98	3634625.90	49.62744	(20041201)
505171.98	3634625.90	42.89615	(20041201)	505221.98	3634625.90	39.71313	(20041201)
502221.98	3634675.90	15.43286	(21021102)	502271.98	3634675.90	15.67821	(21021102)
502321.98	3634675.90	16.28769	(19101801)	502371.98	3634675.90	17.13525	(19050903)
502421.98	3634675.90	18.65328	(19050903)	502471.98	3634675.90	20.29418	(19050903)
502521.98	3634675.90	22.06046	(19050903)	502571.98	3634675.90	23.96293	(19050903)
502621.98	3634675.90	25.98836	(19050903)	502671.98	3634675.90	28.11409	(19050903)
504771.98	3634675.90	68.95744	(21012820)	504821.98	3634675.90	64.48868	(21012820)
504871.98	3634675.90	60.03723	(20081806)	504921.98	3634675.90	57.73344	(20081806)
504971.98	3634675.90	56.03926	(20081806)	505021.98			

3634675.90   53.40404 (20081806)
        505071.98   3634675.90   47.84891 (20081806)   505121.98
3634675.90   43.78370 (20081806)
        505171.98   3634675.90   37.53464 (20081806)   505221.98
3634675.90   33.26248 (20041201)
        502221.98   3634725.90   16.25987 (19050903)   502271.98
3634725.90   17.49756 (19050903)
        502321.98   3634725.90   18.77460 (19050903)   502371.98
3634725.90   20.14117 (19050903)
        502421.98   3634725.90   21.60049 (19050903)   502471.98
3634725.90   23.09483 (19050903)
        502521.98   3634725.90   24.61520 (19050903)   502571.98
3634725.90   26.18377 (19050903)
        502621.98   3634725.90   27.73958 (19050903)   502671.98
3634725.90   29.27920 (19050903)
        504771.98   3634725.90   65.76678 (20082303)   504821.98
3634725.90   69.68060 (21012820)
        504871.98   3634725.90   68.28590 (21012820)   504921.98
3634725.90   56.18510 (21032601)
        504971.98   3634725.90   54.68371 (20081806)   505021.98
3634725.90   52.34538 (20081806)
        505071.98   3634725.90   49.04044 (20081806)   505121.98
3634725.90   46.19826 (20081806)
        505171.98   3634725.90   40.52707 (20081806)   505221.98
3634725.90   37.89501 (20081806)
        502221.98   3634775.90   18.32409 (19050903)   502271.98
3634775.90   19.40904 (19050903)
        502321.98   3634775.90   20.45028 (19050903)   502371.98
3634775.90   21.52415 (19050903)
        502421.98   3634775.90   22.58913 (19050903)   502471.98
3634775.90   23.63666 (19050903)
        502521.98   3634775.90   24.66751 (19050903)   502571.98
3634775.90   25.55765 (19050903)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026

, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634775.90	26.33692	(19050903)	502671.98	3634775.90	26.96859	(19050903)
504771.98	3634775.90	56.73396	(20082303)	504821.98	3634775.90	64.56591	(20081401)
504871.98	3634775.90	68.15628	(20081401)	504921.98	3634775.90	51.50858	(19022319)
504971.98	3634775.90	49.10390	(19022319)	505021.98	3634775.90	42.22924	(19022319)
505071.98	3634775.90	39.84625	(20081806)	505121.98	3634775.90	39.78844	(20081806)
505171.98	3634775.90	36.02383	(20081806)	505221.98	3634775.90	34.40133	(20081806)
502221.98	3634825.90	18.95726	(19050903)	502271.98	3634825.90	19.69917	(19050903)
502321.98	3634825.90	20.37820	(19050903)	502371.98	3634825.90	20.99594	(19050903)
502421.98	3634825.90	21.50902	(19050903)	502471.98	3634825.90	21.90245	(19050903)
502521.98	3634825.90	22.25232	(19050903)	502571.98	3634825.90	22.39888	(19050903)
502621.98	3634825.90	22.35749	(19050903)	502671.98	3634825.90	22.11120	(19050903)
504771.98	3634825.90	35.06972	(20082303)	504821.98	3634825.90	59.92282	(19042006)
504871.98	3634825.90	53.04180	(19042006)	504921.98	3634825.90	47.46361	(19030607)
504971.98	3634825.90	40.64615	(20082303)	505021.98	3634825.90	35.39399	(20082303)
505071.98	3634825.90	35.12976	(19022319)	505121.98	3634825.90	34.63600	(19022319)
505171.98	3634825.90	31.00791	(19022319)	505221.98	3634825.90	28.79097	(19022319)
502221.98	3634875.90	18.05302	(19050903)	502271.98	3634875.90	18.35040	(19050903)
502321.98	3634875.90	18.55744	(19050903)	502371.98	3634875.90	18.66195	(19050903)
502421.98	3634875.90	18.63927	(19050903)	502471.98	3634875.90	18.47765	(19050903)

```
        502521.98   3634875.90       18.16649  (19050903)                502571.98
3634875.90       17.69719  (19050903)
        502621.98   3634875.90       17.18916  (20021724)                502671.98
3634875.90       20.19154  (20021724)
        504771.98   3634875.90       22.62445  (20082303)                504821.98
3634875.90       42.45090  (21122106)
        504871.98   3634875.90       45.91141  (19042006)                504921.98
3634875.90       47.10221  (19030607)
        504971.98   3634875.90       40.08801  (20082024)                505021.98
3634875.90       33.23555  (19030607)
        505071.98   3634875.90       30.24169  (20082303)                505121.98
3634875.90       30.63950  (20082303)
        505171.98   3634875.90       28.79566  (20082303)                505221.98
3634875.90       28.01286  (19022319)
        502221.98   3634925.90       15.86026  (19050903)                502271.98
3634925.90       15.74796  (19050903)
        502321.98   3634925.90       15.53128  (19050903)                502371.98
3634925.90       15.20097  (19050903)
        502421.98   3634925.90       14.75439  (19050903)                502471.98
3634925.90       14.55518  (19022707)
        502521.98   3634925.90       16.16393  (20021724)                502571.98
3634925.90       18.71223  (20021724)
        502621.98   3634925.90       21.43110  (20021724)                502671.98
3634925.90       24.26104  (20021724)
        504771.98   3634925.90       11.85414  (20082303)                504821.98
3634925.90       38.60953  (20010802)
        504871.98   3634925.90       50.43794  (19022007)                504921.98
3634925.90       45.77063  (20121617)
        504971.98   3634925.90       42.03410  (20082024)                505021.98
3634925.90       35.54015  (20082024)
        505071.98   3634925.90       30.67665  (20082024)                505121.98
3634925.90       29.33107  (20082024)
        505171.98   3634925.90       27.93635  (19030607)                505221.98
3634925.90       27.20304  (20082303)
        502221.98   3634975.90       12.90761  (19050903)                502271.98
3634975.90       12.49664  (19050903)
        502321.98   3634975.90       12.54817  (19022707)                502371.98
3634975.90       13.36756  (19022707)
        502421.98   3634975.90       15.21153  (20021724)                502471.98
3634975.90       17.38643  (20021724)
        502521.98   3634975.90       19.68479  (20021724)                502571.98
3634975.90       22.01976  (20021724)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE 134
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634975.90	24.31127	(20021724)	502671.98	3634975.90	28.42603	(21011719)
504821.98	3634975.90	38.59875	(20011806)	504871.98	3634975.90	50.06574	(20010802)
504921.98	3634975.90	46.68822	(20082106)	504971.98	3634975.90	42.03477	(20082106)
505021.98	3634975.90	35.36949	(20082024)	505071.98	3634975.90	32.44204	(20082024)
505121.98	3634975.90	33.50904	(20082024)	505171.98	3634975.90	32.05905	(20082024)
505221.98	3634975.90	29.85164	(20082024)	502221.98	3635025.90	11.64086	(19022707)
502271.98	3635025.90	12.56378	(20021724)	502321.98	3635025.90	14.32917	(20021724)
502371.98	3635025.90	16.20477	(20021724)	502421.98	3635025.90	18.15643	(20021724)
502471.98	3635025.90	20.11810	(20021724)	502521.98	3635025.90	22.01807	(20021724)
502571.98	3635025.90	25.61975	(21011719)	502621.98	3635025.90	29.80690	(21011719)
502671.98	3635025.90	33.43698	(21011719)	504871.98	3635025.90	43.33209	(21122806)
504921.98	3635025.90	46.95105	(20092620)	504971.98	3635025.90	48.66843	(20082106)
505021.98	3635025.90	41.43533	(20082106)	505071.98	3635025.90	35.54595	(20082106)
505121.98	3635025.90	34.30894	(20041202)	505171.98	3635025.90	33.82949	(20082024)
505221.98	3635025.90	32.73389	(20082024)	502221.98			

```
3635075.90       13.50756  (20021724)
        502271.98   3635075.90       15.13685  (20021724)                502321.98
3635075.90       16.80469  (20021724)
        502371.98   3635075.90       18.46747  (20021724)                502421.98
3635075.90       20.05603  (20021724)
        502471.98   3635075.90       23.24966  (21011719)                502521.98
3635075.90       26.89867  (21011719)
        502571.98   3635075.90       30.09042  (21011719)                502621.98
3635075.90       32.44184  (21011719)
        502671.98   3635075.90       33.60741  (21011719)                504921.98
3635075.90       45.42513  (20092620)
        504971.98   3635075.90       49.61587  (20092620)                505021.98
3635075.90       45.27730  (20082106)
        505071.98   3635075.90       43.58982  (20082106)                505121.98
3635075.90       41.33881  (20082106)
        505171.98   3635075.90       38.01023  (20041904)                505221.98
3635075.90       34.00503  (20041904)
        502221.98   3635125.90       15.60361  (20021724)                502271.98
3635125.90       17.02863  (20021724)
        502321.98   3635125.90       18.36976  (20021724)                502371.98
3635125.90       21.22618  (21011719)
        502421.98   3635125.90       24.42875  (21011719)                502471.98
3635125.90       27.24815  (21011719)
        502521.98   3635125.90       29.37659  (21011719)                502571.98
3635125.90       30.51936  (21011719)
        502621.98   3635125.90       30.46378  (21011719)                502671.98
3635125.90       29.13229  (21011719)
        505021.98   3635125.90       48.97803  (20092620)                505071.98
3635125.90       45.75411  (20092620)
        505121.98   3635125.90       39.91259  (20082106)                505171.98
3635125.90       35.35660  (20082106)
        505221.98   3635125.90       38.33383  (20082106)                502221.98
3635175.90       16.90042  (20021724)
        502271.98   3635175.90       19.48297  (21011719)                502321.98
3635175.90       22.31168  (21011719)
        502371.98   3635175.90       24.82018  (21011719)                502421.98
3635175.90       26.74793  (21011719)
        502471.98   3635175.90       27.84988  (21011719)                502521.98
3635175.90       27.94281  (21011719)
        502571.98   3635175.90       26.94812  (21011719)                502621.98
3635175.90       25.05734  (20022207)
        502671.98   3635175.90       28.78804  (20022207)                505121.98
3635175.90       32.15877  (21122806)
        505171.98   3635175.90       33.57280  (21122806)                505221.98
3635175.90       33.86231  (21122806)
        502221.98   3635225.90       20.47783  (21011719)                502271.98
3635225.90       22.72770  (21011719)
        502321.98   3635225.90       24.48453  (21011719)                502371.98
3635225.90       25.54393  (21011719)
        502421.98   3635225.90       25.74495  (21011719)                502471.98
```

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502521.98	3635225.90	23.35133	(21011719)	502571.98	3635225.90	24.91583	(20022207)
502621.98	3635225.90	28.00059	(20022207)	502671.98	3635225.90	30.41583	(20022207)
502221.98	3635275.90	29.14755	(21011719)	502271.98	3635275.90	23.52396	(21011719)
502321.98	3635275.90	24.10943	(21011719)	502371.98	3635275.90	24.35142	(21011719)
502421.98	3635275.90	22.57397	(21011719)	502471.98	3635275.90	21.60762	(20022207)
502521.98	3635275.90	26.51149	(20022207)	502571.98	3635275.90	27.03354	(20022207)
502621.98	3635275.90	28.78007	(20022207)	502671.98	3635275.90	29.55277	(20022207)
502221.98	3635325.90	36.71177	(21011719)	502271.98	3635325.90	22.13466	(21011719)
502321.98	3635325.90	26.24886	(21011719)	502371.98	3635325.90	26.27286	(21011719)
502421.98	3635325.90	27.75106	(19013101)	502471.98	3635325.90	30.18031	(19013101)

```
        502521.98   3635325.90       31.01486  (20022207)               502571.98
3635325.90       28.92582  (20022207)
        502621.98   3635325.90       28.41539  (20022207)               502671.98
3635325.90       27.49171  (20022207)
        502221.98   3635375.90       31.60631  (21011719)               502271.98
3635375.90       23.52758  (21011719)
        502321.98   3635375.90       23.78675  (19013101)               502371.98
3635375.90       30.12862  (21040223)
        502421.98   3635375.90       32.28369  (21052423)               502471.98
3635375.90       33.41351  (19013101)
        502521.98   3635375.90       31.09798  (20022207)               502571.98
3635375.90       30.04212  (20122320)
        502621.98   3635375.90       30.58082  (21012023)               502671.98
3635375.90       31.10127  (21012023)
        502221.98   3635425.90       31.56865  (21052423)               502271.98
3635425.90       23.15364  (19013101)
        502321.98   3635425.90       27.20837  (19013101)               502371.98
3635425.90       29.69084  (19013101)
        502421.98   3635425.90       31.47513  (19012005)               502471.98
3635425.90       35.11730  (19012005)
        502521.98   3635425.90       33.84747  (20122320)               502571.98
3635425.90       34.09401  (21012023)
        502621.98   3635425.90       34.84711  (21012023)               502671.98
3635425.90       33.37964  (21012023)
        504771.98   3635425.90       23.93859  (21012617)               502221.98
3635475.90       30.69440  (21052423)
        502271.98   3635475.90       28.17355  (19013101)               502321.98
3635475.90       29.08114  (19013101)
        502371.98   3635475.90       31.30585  (19012005)               502421.98
3635475.90       33.47414  (19012005)
        502471.98   3635475.90       36.71722  (19083024)               502521.98
3635475.90       33.83730  (21012023)
        502571.98   3635475.90       34.31882  (21012023)               502621.98
3635475.90       33.07188  (21012023)
        502671.98   3635475.90       32.19739  (20122721)               504771.98
3635475.90       42.80805  (21122618)
        504821.98   3635475.90       35.72606  (21122618)               504871.98
3635475.90       34.34207  (21122618)
        504921.98   3635475.90       29.61841  (21012617)               502221.98
3635525.90       32.51148  (21031323)
        502271.98   3635525.90       29.34265  (19012005)               502321.98
3635525.90       31.43555  (19012005)
        502371.98   3635525.90       31.21710  (19012005)               502421.98
3635525.90       31.99901  (19083024)
        502471.98   3635525.90       33.95134  (20071201)               502521.98
3635525.90       33.45156  (21012023)
        502571.98   3635525.90       32.12857  (21012023)               502621.98
3635525.90       31.89001  (21110406)
        502671.98   3635525.90       35.89167  (20070801)               502721.98
3635525.90       37.66299  (20070801)
```

```
        502771.98   3635525.90       38.18669  (20070802)                502821.98
3635525.90       42.31428  (20070802)
        502871.98   3635525.90       41.81354  (20070802)                502921.98
3635525.90       44.03697  (19091321)
        502971.98   3635525.90       46.76355  (19091321)                503021.98
3635525.90       49.22260  (20042421)
        503071.98   3635525.90       47.12401  (20042421)                503121.98
3635525.90       29.91544  (19121706)
        503171.98   3635525.90       26.97379  (19121706)                503221.98
3635525.90       42.30163  (20110924)
```



```
        503271.98   3635525.90       47.52606  (20091222)                503321.98
3635525.90       47.34648  (19111601)
        503371.98   3635525.90       50.88242  (20033120)                503421.98
3635525.90       52.97633  (20101023)
        503471.98   3635525.90       57.92554  (20101023)                503521.98
3635525.90       57.19353  (19031924)
        503571.98   3635525.90       54.95703  (19031924)                503621.98
3635525.90       47.49650  (21021806)
        503671.98   3635525.90       46.44948  (19101219)                503721.98
3635525.90       50.18920  (19101219)
        503771.98   3635525.90       52.84626  (20071102)                503821.98
```

```
3635525.90       51.09837  (20071102)
        503871.98   3635525.90       47.52717  (19122420)                503921.98
3635525.90       59.21202  (19122420)
        503971.98   3635525.90       60.37848  (19122420)                504021.98
3635525.90       50.03168  (20092001)
        504071.98   3635525.90       29.46815  (21013118)                504121.98
3635525.90       31.12609  (21013118)
        504171.98   3635525.90       32.92040  (21013118)                504221.98
3635525.90       28.59978  (21013118)
        504271.98   3635525.90       23.54341  (21013118)                504321.98
3635525.90       17.23976  (21013118)
        504371.98   3635525.90       11.50920  (21013118)                504421.98
3635525.90       12.39412  (20040223)
        504471.98   3635525.90       14.82687  (20040223)                504521.98
3635525.90       18.13064  (20011620)
        504571.98   3635525.90       22.83609  (20011620)                504621.98
3635525.90       27.60957  (20011620)
        504671.98   3635525.90       29.91416  (20011620)                504721.98
3635525.90       37.75659  (21090701)
        504771.98   3635525.90       41.73955  (21122618)                504821.98
3635525.90       43.78379  (21122618)
        504871.98   3635525.90       40.89213  (21122618)                504921.98
3635525.90       28.89067  (21122618)
        504971.98   3635525.90       28.46437  (21012617)                505021.98
3635525.90       30.86946  (19102623)
        505071.98   3635525.90       34.59512  (19102623)                505121.98
3635525.90       35.17347  (19102623)
        505171.98   3635525.90       32.82265  (19102623)                505221.98
3635525.90       26.52314  (19102623)
        502221.98   3635575.90       34.12311  (19012005)                502271.98
3635575.90       32.01210  (19012005)
        502321.98   3635575.90       30.49850  (19012005)                502371.98
3635575.90       31.48545  (20071201)
        502421.98   3635575.90       32.61226  (20071201)                502471.98
3635575.90       32.31392  (21012023)
        502521.98   3635575.90       30.18087  (21012023)                502571.98
3635575.90       30.40306  (21110406)
        502621.98   3635575.90       33.88371  (20070801)                502671.98
3635575.90       36.14978  (20070801)
        502721.98   3635575.90       36.70069  (20070802)                502771.98
3635575.90       40.67391  (20070802)
        502821.98   3635575.90       41.21690  (20070802)                502871.98
3635575.90       41.97143  (19091321)
        502921.98   3635575.90       45.78275  (19091321)                502971.98
3635575.90       47.42403  (20042421)
        503021.98   3635575.90       50.98542  (20042421)                503071.98
3635575.90       44.37866  (20042421)
        503121.98   3635575.90       27.15481  (19121706)                503171.98
3635575.90       22.92687  (19121706)
        503221.98   3635575.90       49.24543  (19073101)                503271.98
```

3635575.90   52.22532 (20091222)
        503321.98   3635575.90   49.25892 (20033120)   503371.98
3635575.90   54.01221 (20033120)
        503421.98   3635575.90   56.41315 (20101023)   503471.98
3635575.90   54.91445 (20101023)
        503521.98   3635575.90   55.15833 (19031924)   503571.98
3635575.90   56.20358 (20090823)
        503621.98   3635575.90   51.15985 (21081004)   503671.98
3635575.90   50.17339 (19101219)
        503721.98   3635575.90   51.02626 (19101219)   503771.98
3635575.90   51.04557 (20071102)
        503821.98   3635575.90   46.87102 (20071102)   503871.98
3635575.90   45.55062 (19013104)
        503921.98   3635575.90   56.17795 (19122420)   503971.98
3635575.90   58.36975 (19122420)
        504021.98   3635575.90   20.67556 (20092001)   504071.98
3635575.90   24.50723 (21013118)
        504121.98   3635575.90   30.20299 (21013118)   504171.98
3635575.90   32.71169 (21013118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        504221.98   3635575.90   29.03547 (21013118)   504271.98
3635575.90   24.22439 (21013118)

504321.98 3635575.90 18.69943 (21013118) 504371.98 3635575.90 13.07992 (21013118)
504421.98 3635575.90 10.05664 (20040223) 504471.98 3635575.90 12.45528 (20040223)
504521.98 3635575.90 14.57431 (20011620) 504571.98 3635575.90 17.86201 (20011620)
504621.98 3635575.90 24.45209 (20011620) 504671.98 3635575.90 27.46396 (20011620)
504721.98 3635575.90 30.15592 (20011620) 504771.98 3635575.90 34.54844 (21122618)
504821.98 3635575.90 41.10141 (21122618) 504871.98 3635575.90 41.07684 (21122618)
504921.98 3635575.90 26.98559 (21122618) 504971.98 3635575.90 31.91012 (21122618)
505021.98 3635575.90 29.20630 (20091421) 505071.98 3635575.90 28.13433 (19102623)
505121.98 3635575.90 35.60191 (19102623) 505171.98 3635575.90 32.65849 (19102623)
505221.98 3635575.90 35.06633 (19102623) 502221.98 3635625.90 33.21645 (19012005)
502271.98 3635625.90 33.64297 (19083024) 502321.98 3635625.90 33.06618 (20071201)
502371.98 3635625.90 30.96309 (21012023) 502421.98 3635625.90 32.77362 (21072005)
502471.98 3635625.90 32.20831 (21072005) 502521.98 3635625.90 33.21074 (21110406)
502571.98 3635625.90 33.40530 (20070801) 502621.98 3635625.90 33.03277 (20070801)
502671.98 3635625.90 34.48132 (20070802) 502721.98 3635625.90 39.43765 (20070802)
502771.98 3635625.90 40.62927 (20070802) 502821.98 3635625.90 40.93568 (20111121)
502871.98 3635625.90 44.72980 (19091321) 502921.98 3635625.90 45.27115 (19071423)
502971.98 3635625.90 49.03672 (20042421) 503021.98 3635625.90 48.09338 (20042421)
503071.98 3635625.90 43.96091 (20110924) 503121.98 3635625.90 48.55316 (20110924)
503171.98 3635625.90 47.49308 (19073101) 503221.98 3635625.90 48.06093 (20091222)
503271.98 3635625.90 47.50141 (19111601) 503321.98 3635625.90 48.13987 (20033120)
503371.98 3635625.90 50.74169 (20033120) 503421.98 3635625.90 54.18143 (20101023)
503471.98 3635625.90 50.92476 (20120224) 503521.98 3635625.90 49.88629 (20120224)
503571.98 3635625.90 52.72710 (20090823) 503621.98 3635625.90 53.71324 (21081004)
503671.98 3635625.90 53.37614 (19101219) 503721.98 3635625.90 53.36806 (19101219)

```
        503771.98   3635625.90       53.22552  (20071102)               503821.98
3635625.90       48.62162  (20071102)
        503871.98   3635625.90       41.42788  (19013104)               503921.98
3635625.90       52.34399  (19122420)
        503971.98   3635625.90       55.10186  (19122420)               504021.98
3635625.90       28.67628  (20092001)
        504071.98   3635625.90       22.62960  (21013118)               504121.98
3635625.90       28.40650  (21013118)
        504171.98   3635625.90       31.53518  (21013118)               504221.98
3635625.90       31.88749  (21013118)
        504271.98   3635625.90       26.41899  (21013118)               504321.98
3635625.90       19.87870  (21013118)
        504371.98   3635625.90       14.58161  (21013118)               504421.98
3635625.90        9.74257  (21013118)
        504471.98   3635625.90       10.29613  (20040223)               504521.98
3635625.90       12.46756  (20040223)
        504571.98   3635625.90       14.57951  (20011620)               504621.98
3635625.90       17.86121  (20011620)
        504671.98   3635625.90       21.21333  (20011620)               504721.98
3635625.90       26.35672  (20011620)
        504771.98   3635625.90       33.63196  (21090701)               504821.98
3635625.90       34.68015  (21122618)
        504871.98   3635625.90       38.01025  (21122618)               504921.98
3635625.90       27.58515  (21122618)
        504971.98   3635625.90       36.30825  (21122618)               505021.98
3635625.90       23.36568  (21012617)
        505071.98   3635625.90       23.20645  (21012617)               505121.98
3635625.90       25.75515  (19102623)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505171.98	3635625.90	28.72930	(19102623)	505221.98	3635625.90	29.91177	(19102623)
502221.98	3635675.90	32.40297	(20122320)	502271.98	3635675.90	32.07425	(20071201)
502321.98	3635675.90	32.23633	(21012023)	502371.98	3635675.90	31.42428	(21072005)
502421.98	3635675.90	30.39857	(21072005)	502471.98	3635675.90	31.78653	(21110406)
502521.98	3635675.90	33.65415	(20070801)	502571.98	3635675.90	33.82729	(20070801)
502621.98	3635675.90	32.74047	(20070802)	502671.98	3635675.90	37.16468	(20070802)
502721.98	3635675.90	38.98642	(20070802)	502771.98	3635675.90	39.34278	(21121424)
502821.98	3635675.90	41.20835	(19091321)	502871.98	3635675.90	41.69920	(19071423)
502921.98	3635675.90	42.03637	(20042421)	502971.98	3635675.90	43.64888	(19121706)
503021.98	3635675.90	42.89010	(19121706)	503071.98	3635675.90	38.55865	(20110924)
503121.98	3635675.90	38.43831	(20110924)	503171.98	3635675.90	40.16079	(21021621)
503221.98	3635675.90	40.59070	(20091222)	503271.98	3635675.90	39.53628	(19111601)
503321.98	3635675.90	41.21969	(20033120)	503371.98	3635675.90	44.30984	(20101023)
503421.98	3635675.90	47.84962	(20101023)	503471.98	3635675.90	49.73209	(20120224)
503521.98	3635675.90	46.55170	(19072124)	503571.98	3635675.90	48.19166	(20090823)
503621.98	3635675.90	51.56682	(21081004)	503671.98	3635675.90	52.02187	(19101219)
503721.98	3635675.90	51.83115	(19101219)	503771.98	3635675.90	52.19151	(20071102)
503821.98	3635675.90	48.52512	(20071102)	503871.98	3635675.90	42.89864	(21061222)
503921.98	3635675.90	51.78944	(19122420)	503971.98	3635675.90	54.56173	(19122420)
504021.98	3635675.90	39.36372	(19122420)	504071.98	3635675.90	28.38000	(20092001)
504121.98	3635675.90	26.83062	(21013118)	504171.98	3635675.90	29.73828	(21013118)
504221.98	3635675.90	30.25207	(21013118)	504271.98			

```
3635675.90       27.66437  (21013118)
        504321.98   3635675.90       21.49663  (21013118)                504371.98
3635675.90       15.90711  (21013118)
        504421.98   3635675.90       11.15896  (21013118)                504471.98
3635675.90       11.98035  (19022602)
        504521.98   3635675.90       21.86724  (21121422)                504571.98
3635675.90       12.37904  (20040223)
        504621.98   3635675.90       17.78642  (20011620)                504671.98
3635675.90       19.03791  (20011620)
        504721.98   3635675.90       21.72298  (20011620)                504771.98
3635675.90       38.03073  (21090701)
        504821.98   3635675.90       34.77878  (21090701)                504871.98
3635675.90       32.44440  (21122618)
        504921.98   3635675.90       28.23864  (21122618)                504971.98
3635675.90       37.55788  (21122618)
        505021.98   3635675.90       33.45159  (21122618)                505071.98
3635675.90       22.28442  (21012617)
        505121.98   3635675.90       27.58936  (20091421)                505171.98
3635675.90       24.37201  (21012617)
        505221.98   3635675.90       26.35993  (19102623)                502221.98
3635725.90       32.92928  (21012023)
        502271.98   3635725.90       31.82095  (21012023)                502321.98
3635725.90       29.80820  (21012023)
        502371.98   3635725.90       28.69343  (20121101)                502421.98
3635725.90       30.75697  (20122721)
        502471.98   3635725.90       32.12645  (20070801)                502521.98
3635725.90       32.38875  (20070801)
        502571.98   3635725.90       31.25311  (20070802)                502621.98
3635725.90       35.33635  (20070802)
        502671.98   3635725.90       37.21383  (20070802)                502721.98
3635725.90       36.86714  (20111121)
        502771.98   3635725.90       38.61019  (19091321)                502821.98
3635725.90       39.55338  (19091321)
        502871.98   3635725.90       40.70080  (20042421)                502921.98
3635725.90       41.83353  (19121706)
        502971.98   3635725.90       42.40192  (19121706)                503021.98
3635725.90       37.63814  (19121706)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
```

```
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503071.98   3635725.90       36.30477  (21100523)               503121.98
3635725.90       38.39636  (21021621)
        503171.98   3635725.90       39.68829  (21021621)               503221.98
3635725.90       37.27163  (21012818)
        503271.98   3635725.90       39.63091  (19050823)               503321.98
3635725.90       39.44829  (19050823)
        503371.98   3635725.90       41.08656  (21100603)               503421.98
3635725.90       45.44682  (20120224)
        503471.98   3635725.90       47.89064  (20120224)               503521.98
3635725.90       44.46494  (19072124)
        503571.98   3635725.90       45.40911  (20090823)               503621.98
3635725.90       48.06555  (21081004)
        503671.98   3635725.90       50.17704  (19101219)               503721.98
3635725.90       49.08822  (19101219)
        503771.98   3635725.90       49.89502  (20071102)               503821.98
3635725.90       47.01673  (20071102)
        503871.98   3635725.90       42.56174  (21061222)               503921.98
3635725.90       49.02723  (19122420)
        503971.98   3635725.90       53.98132  (19122420)               504021.98
3635725.90       43.83948  (19122420)
        504071.98   3635725.90       41.52215  (20092001)               504121.98
3635725.90       30.05632  (21060422)
        504171.98   3635725.90       31.58522  (21013118)               504221.98
3635725.90       38.22677  (21013118)
        504271.98   3635725.90       37.67538  (20121721)               504321.98
3635725.90       23.22524  (21013118)
        504371.98   3635725.90       17.46441  (21013118)               504421.98
3635725.90       12.44271  (21013118)
        504471.98   3635725.90       20.84776  (19022602)               504521.98
3635725.90       29.77368  (21121422)
        504571.98   3635725.90       18.82722  (21121422)               504621.98
3635725.90       19.88260  (21121422)
        504671.98   3635725.90       21.17375  (21061321)               504721.98
3635725.90       19.84854  (20011620)
```

```
        504771.98   3635725.90       21.95719  (20011620)               504821.98
3635725.90       27.19107  (21090701)
        504871.98   3635725.90       24.24349  (20011620)               504921.98
3635725.90       25.51484  (21122618)
        504971.98   3635725.90       35.57655  (21122618)               505021.98
3635725.90       36.88049  (21122618)
        505071.98   3635725.90       31.59275  (21122618)               505121.98
3635725.90       29.66566  (21122618)
        505171.98   3635725.90       26.60114  (20091421)               505221.98
3635725.90       23.08518  (21012617)
        502221.98   3635775.90       31.99594  (21012023)               502271.98
3635775.90       28.83331  (21012023)
        502321.98   3635775.90       28.28337  (20122721)               502371.98
3635775.90       29.29837  (20122721)
        502421.98   3635775.90       30.54402  (20070801)               502471.98
3635775.90       30.79804  (20070801)
        502521.98   3635775.90       29.55273  (19031105)               502571.98
3635775.90       33.62376  (20070802)
        502621.98   3635775.90       35.48079  (20070802)               502671.98
3635775.90       35.37590  (21121424)
        502721.98   3635775.90       36.77273  (19091321)               502771.98
3635775.90       39.17753  (19091321)
        502821.98   3635775.90       38.37549  (20042421)               502871.98
3635775.90       40.33266  (20042421)
        502921.98   3635775.90       41.23814  (19121706)               502971.98
3635775.90       38.42509  (19121706)
        503021.98   3635775.90       35.60554  (21100523)               503071.98
3635775.90       35.56306  (21100523)
        503121.98   3635775.90       38.43833  (21021621)               503171.98
3635775.90       37.15906  (21021621)
        503221.98   3635775.90       38.21793  (19050823)               503271.98
3635775.90       40.65759  (19050823)
        503321.98   3635775.90       41.17874  (21100603)               503371.98
3635775.90       41.14935  (21100603)
        503421.98   3635775.90       45.08056  (20120224)               503471.98
3635775.90       45.63837  (20120224)
        503521.98   3635775.90       43.04777  (19072124)               503571.98
3635775.90       42.22020  (21021806)
        503621.98   3635775.90       41.16310  (21081004)               503671.98
3635775.90       46.60591  (19101219)
        503721.98   3635775.90       46.73586  (19101219)               503771.98
3635775.90       47.66951  (20071102)
        503821.98   3635775.90       45.22340  (20071102)               503871.98
3635775.90       41.56388  (21061222)
        503921.98   3635775.90       45.95472  (19122420)               503971.98
3635775.90       53.06985  (19122420)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504021.98	3635775.90	46.42332	(19122420)	504071.98	3635775.90	46.81058	(20092001)
504121.98	3635775.90	42.70832	(20092001)	504171.98	3635775.90	41.75001	(21060422)
504221.98	3635775.90	39.31998	(21060422)	504271.98	3635775.90	39.21930	(19012903)
504321.98	3635775.90	39.03729	(20121721)	504371.98	3635775.90	27.83781	(20121721)
504421.98	3635775.90	18.36977	(19022602)	504471.98	3635775.90	29.58688	(19022602)
504521.98	3635775.90	32.92509	(19022602)	504571.98	3635775.90	24.56360	(21121422)
504621.98	3635775.90	28.92775	(21121422)	504671.98	3635775.90	20.86362	(21121422)
504721.98	3635775.90	17.79988	(20011620)	504771.98	3635775.90	20.98789	(20011620)
504821.98	3635775.90	22.97416	(20011620)	504871.98	3635775.90	23.87000	(20011620)
504921.98	3635775.90	23.19229	(20011620)	504971.98	3635775.90	31.47553	(21122618)
505021.98	3635775.90	35.36602	(21122618)	505071.98	3635775.90	33.24334	(21122618)
505121.98	3635775.90	32.42442	(21122618)	505171.98	3635775.90	28.11233	(21122618)
505221.98	3635775.90	25.44799	(20091421)	502221.98			

3635825.90 28.27726 (21012023)
502271.98 3635825.90 28.37118 (20122721) 502321.98
3635825.90 29.57878 (20122721)
502371.98 3635825.90 29.32751 (20070801) 502421.98
3635825.90 29.15940 (20070801)
502471.98 3635825.90 28.46051 (19031105) 502521.98
3635825.90 31.34725 (20070802)
502571.98 3635825.90 33.58719 (20070802) 502621.98
3635825.90 33.75894 (21121424)
502671.98 3635825.90 34.85667 (21121424) 502721.98
3635825.90 36.80539 (19091321)
502771.98 3635825.90 37.22307 (19071423) 502821.98
3635825.90 39.23249 (20042421)
502871.98 3635825.90 38.83604 (19121706) 502921.98
3635825.90 38.48433 (19121706)
502971.98 3635825.90 32.99945 (19121706) 503021.98
3635825.90 35.28731 (21100523)
503071.98 3635825.90 35.97206 (21021621) 503121.98
3635825.90 37.10337 (21021621)
503171.98 3635825.90 36.59887 (21112718) 503221.98
3635825.90 38.15456 (19050823)
503271.98 3635825.90 38.51415 (19050823) 503321.98
3635825.90 40.37820 (21100603)
503371.98 3635825.90 38.76620 (21100603) 503421.98
3635825.90 43.92377 (20120224)
503471.98 3635825.90 42.82041 (20120224) 503521.98
3635825.90 39.16268 (19072124)
503571.98 3635825.90 40.86468 (19051001) 503621.98
3635825.90 38.57446 (19051001)
503671.98 3635825.90 40.85397 (19101219) 503721.98
3635825.90 42.88496 (21041324)
503771.98 3635825.90 45.38345 (20071102) 503821.98
3635825.90 42.76868 (20071102)
503871.98 3635825.90 38.81559 (21061222) 503921.98
3635825.90 42.76145 (19122420)
503971.98 3635825.90 50.02065 (19122420) 504021.98
3635825.90 48.43016 (19122420)
504071.98 3635825.90 46.05421 (20092001) 504121.98
3635825.90 48.66104 (20092001)
504171.98 3635825.90 45.51666 (21060422) 504221.98
3635825.90 43.30683 (21060422)
504271.98 3635825.90 40.80800 (19012903) 504321.98
3635825.90 41.70708 (20121721)
504371.98 3635825.90 40.73988 (20121721) 504421.98
3635825.90 35.03015 (20092821)
504471.98 3635825.90 34.42838 (20092821) 504521.98
3635825.90 37.12764 (19022602)
504571.98 3635825.90 32.09676 (19022602) 504621.98
3635825.90 33.31501 (21121422)
504671.98 3635825.90 25.75739 (21121422) 504721.98

```
3635825.90       14.26616  (20011620)
        504771.98   3635825.90       17.43996  (20011620)                504821.98
3635825.90       21.80006  (20011620)
        504871.98   3635825.90       25.96018  (21090701)                504921.98
3635825.90       24.76134  (21090701)
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE 141
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        504971.98   3635825.90       29.14601  (21090701)                505021.98
3635825.90       29.98848  (21122618)
        505071.98   3635825.90       33.36682  (21122618)                505121.98
3635825.90       33.11864  (21122618)
        505171.98   3635825.90       31.57315  (21122618)                505221.98
3635825.90       27.34459  (21122618)
        502221.98   3635875.90       29.61645  (20122721)                502271.98
3635875.90       29.40522  (20122721)
        502321.98   3635875.90       28.51823  (20122721)                502371.98
3635875.90       28.01629  (20070801)
        502421.98   3635875.90       27.60868  (19031105)                502471.98
3635875.90       29.64961  (20070802)
        502521.98   3635875.90       31.16378  (20070802)                502571.98
3635875.90       32.63225  (21121424)
        502621.98   3635875.90       34.40248  (21121424)                502671.98
3635875.90       33.64038  (19091321)
```

```
        502721.98   3635875.90       34.59839  (19071423)              502771.98
3635875.90       36.96114  (20042421)
        502821.98   3635875.90       37.22224  (20042421)              502871.98
3635875.90       37.50996  (19121706)
        502921.98   3635875.90       33.85339  (19121706)              502971.98
3635875.90       32.92051  (21100523)
        503021.98   3635875.90       33.44801  (21100523)              503071.98
3635875.90       35.70965  (21021621)
        503121.98   3635875.90       35.16199  (21112718)              503171.98
3635875.90       34.89458  (21112718)
        503221.98   3635875.90       38.23031  (19050823)              503271.98
3635875.90       37.09577  (21100603)
        503321.98   3635875.90       39.29807  (21100603)              503371.98
3635875.90       38.16772  (20120224)
        503421.98   3635875.90       42.48448  (20120224)              503471.98
3635875.90       40.82499  (19072124)
        503521.98   3635875.90       35.89501  (20070922)              503571.98
3635875.90       39.68812  (19051001)
        503621.98   3635875.90       36.56089  (19080922)              503671.98
3635875.90       39.55854  (19101219)
        503721.98   3635875.90       41.58471  (21041324)              503771.98
3635875.90       42.58847  (20071102)
        503821.98   3635875.90       39.88009  (20071102)              503871.98
3635875.90       34.09404  (21061222)
        503921.98   3635875.90       39.20006  (19013104)              503971.98
3635875.90       47.24257  (19122420)
        504021.98   3635875.90       48.66854  (19122420)              504071.98
3635875.90       42.76230  (21062624)
        504121.98   3635875.90       46.64203  (20092001)              504171.98
3635875.90       44.82260  (21060422)
        504221.98   3635875.90       45.62957  (21060422)              504271.98
3635875.90       40.48284  (21013118)
        504321.98   3635875.90       42.33682  (19012903)              504371.98
3635875.90       44.87108  (20121721)
        504421.98   3635875.90       43.46627  (20121721)              504471.98
3635875.90       38.21406  (20092821)
        504521.98   3635875.90       34.52719  (19022602)              504571.98
3635875.90       35.98059  (19022602)
        504621.98   3635875.90       33.20151  (21121422)              504671.98
3635875.90       33.54440  (21121422)
        504721.98   3635875.90       15.39939  (21121422)              504771.98
3635875.90       14.77744  (20011620)
        504821.98   3635875.90       18.89951  (20011620)              504871.98
3635875.90       21.69197  (21090701)
        504921.98   3635875.90       25.11499  (21090701)              504971.98
3635875.90       30.59436  (21090701)
        505021.98   3635875.90       28.03806  (21090701)              505071.98
3635875.90       28.24218  (21122618)
        505121.98   3635875.90       31.71470  (21122618)              505171.98
3635875.90       32.26689  (21122618)
```

```
        505221.98   3635875.90       30.69469  (21122618)                502221.98
3635925.90       30.79170  (20122721)
        502271.98   3635925.90       28.66383  (20122721)                502321.98
3635925.90       27.01574  (19031105)
        502371.98   3635925.90       26.34628  (19031105)                502421.98
3635925.90       27.86953  (20070802)
        502471.98   3635925.90       29.84122  (20070802)                502521.98
3635925.90       31.69211  (21121424)
        502571.98   3635925.90       33.43196  (21121424)                502621.98
3635925.90       32.60531  (21121424)
        502671.98   3635925.90       31.50629  (19091321)                502721.98
3635925.90       33.34984  (20042421)
        502771.98   3635925.90       36.09091  (20042421)                502821.98
3635925.90       36.46222  (19121706)
🡅 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:32:02

                                  PAGE 142
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        502871.98   3635925.90       34.45013  (19121706)                502921.98
3635925.90       31.33632  (21100523)
        502971.98   3635925.90       32.37201  (21100523)                503021.98
3635925.90       33.61250  (21021621)
        503071.98   3635925.90       34.31182  (21021621)                503121.98
3635925.90       34.39191  (21112718)
        503171.98   3635925.90       35.55540  (19050823)                503221.98
```

3635925.90 36.87780 (19050823)
503271.98 3635925.90 37.29922 (21100603) 503321.98
3635925.90 37.49476 (21100603)
503371.98 3635925.90 38.62041 (20120224) 503421.98
3635925.90 40.60228 (20120224)
503471.98 3635925.90 37.74275 (19072124) 503521.98
3635925.90 34.71152 (19051001)
503571.98 3635925.90 38.33074 (19051001) 503621.98
3635925.90 34.63434 (19080922)
503671.98 3635925.90 37.67859 (21041324) 503721.98
3635925.90 40.67492 (21041324)
503771.98 3635925.90 39.15199 (21012024) 503821.98
3635925.90 36.55884 (20071102)
503871.98 3635925.90 32.88430 (21061222) 503921.98
3635925.90 37.26872 (19013104)
503971.98 3635925.90 44.39728 (19122420) 504021.98
3635925.90 46.86499 (19122420)
504071.98 3635925.90 41.28567 (21062624) 504121.98
3635925.90 43.56902 (20092001)
504171.98 3635925.90 42.03215 (20092001) 504221.98
3635925.90 41.74058 (21060422)
504271.98 3635925.90 39.45736 (21060422) 504321.98
3635925.90 39.65413 (19012903)
504371.98 3635925.90 42.18124 (20121721) 504421.98
3635925.90 45.01786 (20121721)
504471.98 3635925.90 42.95120 (20092821) 504521.98
3635925.90 38.97727 (20092821)
504571.98 3635925.90 36.78976 (19022602) 504621.98
3635925.90 33.34657 (19022602)
504671.98 3635925.90 33.50420 (21121422) 504721.98
3635925.90 32.34220 (21121422)
504771.98 3635925.90 24.54852 (21121422) 504821.98
3635925.90 15.27865 (20011620)
504871.98 3635925.90 18.52941 (20011620) 504921.98
3635925.90 21.08619 (21090701)
504971.98 3635925.90 29.25903 (21090701) 505021.98
3635925.90 30.87083 (21090701)
505071.98 3635925.90 29.14128 (21090701) 505121.98
3635925.90 28.68963 (21122618)
505171.98 3635925.90 30.93332 (21122618) 505221.98
3635925.90 33.73134 (21122618)
502221.98 3635975.90 29.91423 (20122721) 502271.98
3635975.90 27.41006 (19031105)
502321.98 3635975.90 26.90346 (19031105) 502371.98
3635975.90 26.25398 (20070802)
502421.98 3635975.90 27.77671 (20070802) 502471.98
3635975.90 29.93921 (21121424)
502521.98 3635975.90 32.45292 (21121424) 502571.98
3635975.90 31.61769 (21121424)
502621.98 3635975.90 30.20153 (19091321) 502671.98

3635975.90   30.49079 (19112801)
        502721.98   3635975.90   32.90525 (20042421)   502771.98
3635975.90   35.08114 (19121706)
        502821.98   3635975.90   34.55394 (19121706)   502871.98
3635975.90   30.06351 (19121706)
        502921.98   3635975.90   31.19880 (21100523)   502971.98
3635975.90   30.91792 (21021621)
        503021.98   3635975.90   33.44433 (21021621)   503071.98
3635975.90   32.74299 (21112718)
        503121.98   3635975.90   32.78425 (21112718)   503171.98
3635975.90   35.47488 (19050823)
        503221.98   3635975.90   34.93346 (19050823)   503271.98
3635975.90   36.75182 (21100603)
        503321.98   3635975.90   35.22232 (21100603)   503371.98
3635975.90   39.10111 (20120224)
        503421.98   3635975.90   36.64947 (20120224)   503471.98
3635975.90   34.92416 (19072124)
        503521.98   3635975.90   35.26195 (19051001)   503571.98
3635975.90   36.56492 (19051001)
        503621.98   3635975.90   33.20331 (19080922)   503671.98
3635975.90   36.96506 (21041324)
        503721.98   3635975.90   39.69586 (21041324)   503771.98
3635975.90   38.52634 (19072223)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

```
 - - -
```

```
        503821.98   3632475.90       29.54755  (20082921)               503921.98
3632475.90       25.76231  (20082921)
        504021.98   3632475.90       20.56150  (20081802)               504121.98
3632475.90       20.98888  (20022622)
        504221.98   3632475.90       20.52809  (21011302)               504321.98
3632475.90       19.99122  (19102905)
        504421.98   3632475.90       20.17242  (20022403)               504521.98
3632475.90       20.43672  (21011620)
        504621.98   3632475.90       19.73626  (21013021)               504721.98
3632475.90       19.48550  (21120723)
        504821.98   3632475.90       18.79042  (20101423)               504921.98
3632475.90       18.57308  (21011323)
        505021.98   3632475.90       18.36583  (21010102)               505121.98
3632475.90       17.72106  (20011902)
        505221.98   3632475.90       17.75210  (21021820)               505321.98
3632475.90       17.33240  (21011520)
        505421.98   3632475.90       16.69970  (19121906)               505521.98
3632475.90       16.54829  (19122301)
        505621.98   3632475.90       15.78947  (20122923)               505721.98
3632475.90       15.41742  (20100121)
        501721.98   3632575.90        3.28037  (19010119)               501821.98
3632575.90        2.84459  (19010119)
        501921.98   3632575.90        3.72557  (21030103)               502021.98
3632575.90        5.49840  (21030103)
        502121.98   3632575.90        7.45736  (21030103)               502221.98
3632575.90        9.16130  (21030103)
        502321.98   3632575.90       10.06460  (21030103)               502421.98
3632575.90       11.87609  (20121603)
        502521.98   3632575.90       14.49800  (20121603)               502621.98
3632575.90       14.91322  (20121603)
        502721.98   3632575.90       12.75988  (20121603)               502821.98
3632575.90       13.12273  (21063005)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502921.98	3632575.90	17.02366	(20102407)	503021.98	3632575.90	21.57100	(20111701)
503121.98	3632575.90	23.16854	(20111701)	503221.98	3632575.90	33.06985	(19081924)
503321.98	3632575.90	29.71762	(19081924)	503421.98	3632575.90	31.13599	(19110606)
503721.98	3632575.90	30.20695	(21020203)	503821.98	3632575.90	29.41824	(20082921)
503921.98	3632575.90	20.64691	(20082921)	504021.98	3632575.90	20.76285	(20080820)
504121.98	3632575.90	21.76623	(20022622)	504221.98	3632575.90	21.44566	(21011302)
504321.98	3632575.90	21.14441	(21022205)	504421.98	3632575.90	21.74838	(20022403)
504521.98	3632575.90	20.50644	(20052501)	504621.98	3632575.90	20.02020	(20042404)
504721.98	3632575.90	19.64933	(20112701)	504821.98	3632575.90	19.37319	(20112022)
504921.98	3632575.90	19.22788	(21011323)	505021.98	3632575.90	19.29496	(20011902)
505121.98	3632575.90	18.97966	(19022705)	505221.98	3632575.90	18.38543	(20121007)
505321.98	3632575.90	17.79395	(19121906)	505421.98	3632575.90	17.46210	(19122301)
505521.98	3632575.90	16.93390	(20122923)	505621.98	3632575.90	16.40261	(20100121)
505721.98	3632575.90	16.25374	(21022502)	501721.98	3632675.90	3.98059	(19010119)
501821.98	3632675.90	3.61959	(19010119)	501921.98	3632675.90	3.14542	(19010119)
502021.98	3632675.90	4.15618	(21030103)	502121.98	3632675.90	6.16549	(21030103)
502221.98	3632675.90	8.34051	(21030103)	502321.98	3632675.90	10.12801	(21030103)
502421.98	3632675.90	10.88381	(21030103)	502521.98	3632675.90	13.81179	(20121603)
502621.98	3632675.90	16.04583	(20121603)	502721.98	3632675.90	15.43387	(20121603)
502821.98	3632675.90	23.38829	(20092124)	502921.98			

3632675.90 27.78531 (20092124)
  503021.98 3632675.90 25.95397 (20082723) 503721.98
3632675.90 30.93651 (21020203)
  503821.98 3632675.90 31.41847 (20082921) 503921.98
3632675.90 24.99773 (20082921)
  504021.98 3632675.90 21.85958 (19032124) 504121.98
3632675.90 22.73383 (21013120)
  504221.98 3632675.90 21.56251 (21011302) 504321.98
3632675.90 22.45628 (21022205)
  504421.98 3632675.90 22.03611 (21011620) 504521.98
3632675.90 22.33648 (21013021)
  504621.98 3632675.90 21.67490 (21120723) 504721.98
3632675.90 21.01126 (20101423)
  504821.98 3632675.90 21.00599 (21011323) 504921.98
3632675.90 20.57229 (21010102)
  505021.98 3632675.90 19.76049 (19022705) 505121.98
3632675.90 19.57455 (21021820)
  505221.98 3632675.90 19.22894 (21011520) 505321.98
3632675.90 18.52732 (21010522)
  505421.98 3632675.90 18.13046 (20122923) 505521.98
3632675.90 17.43735 (20100121)
  505621.98 3632675.90 17.24824 (21022502) 505721.98
3632675.90 16.38992 (20100521)
  502421.98 3632775.90 12.81357 (21030103) 502521.98
3632775.90 19.87475 (21030103)
  502621.98 3632775.90 20.77375 (20121603) 502721.98
3632775.90 17.45125 (20121603)
  502821.98 3632775.90 27.10262 (20092124) 502921.98
3632775.90 33.15743 (20090205)
  503021.98 3632775.90 30.25820 (20090205) 503121.98
3632775.90 33.57568 (20111701)
  503221.98 3632775.90 29.61091 (20111701) 503621.98
3632775.90 34.08284 (20050102)
  503721.98 3632775.90 32.79227 (21020203) 503821.98
3632775.90 31.03691 (20082921)
  503921.98 3632775.90 26.60542 (20082921) 504021.98
3632775.90 23.50639 (19032124)
  504121.98 3632775.90 24.34091 (21013120) 504221.98
3632775.90 22.98973 (19102905)
  504321.98 3632775.90 23.69854 (19121107) 504421.98
3632775.90 23.81067 (21011620)

                           *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504521.98   3632775.90   22.43118 (21013021)   504621.98
3632775.90   22.03831 (21120723)
        504721.98   3632775.90   21.50366 (20112022)   504821.98
3632775.90   21.43159 (20031721)
        504921.98   3632775.90   21.09799 (20011902)   505021.98
3632775.90   21.17583 (21021820)
        505121.98   3632775.90   20.83245 (21011520)   505221.98
3632775.90   19.96380 (21010522)
        505321.98   3632775.90   19.38582 (20122923)   505421.98
3632775.90   18.62024 (20100121)
        505521.98   3632775.90   18.33834 (21022502)   505621.98
3632775.90   17.41710 (20021702)
        505721.98   3632775.90   17.56224 (20020804)   501721.98
3632875.90   4.97153 (19010119)
        501821.98   3632875.90   5.01852 (19010119)   501921.98
3632875.90   4.85051 (19010119)
        502021.98   3632875.90   4.46640 (19010119)   502121.98
3632875.90   3.90345 (19010119)
        502221.98   3632875.90   5.25230 (21030103)   502321.98
3632875.90   7.87210 (21030103)
        502421.98   3632875.90   10.55851 (21030103)   502521.98
3632875.90   12.42340 (21030103)
        502621.98   3632875.90   14.41902 (20121603)   502721.98
3632875.90   18.17930 (20121603)
        502821.98   3632875.90   25.60909 (20121603)   502921.98
3632875.90   33.69584 (20090205)
        503021.98   3632875.90   27.39037 (20090205)   503121.98
3632875.90   29.17333 (20102407)
        503221.98   3632875.90   33.61437 (20111701)   503321.98
3632875.90   39.13180 (19081924)

503421.98 3632875.90 35.79146 (19110606) 503621.98
3632875.90 34.82533 (20050102)
503721.98 3632875.90 33.48942 (21020203) 503821.98
3632875.90 31.44886 (20082921)
503921.98 3632875.90 24.33673 (20081802) 504021.98
3632875.90 25.09449 (19032124)
504121.98 3632875.90 25.71952 (21013120) 504221.98
3632875.90 25.13805 (19102905)
504321.98 3632875.90 25.49057 (20022403) 504421.98
3632875.90 24.85704 (21013021)
504521.98 3632875.90 24.10805 (21120723) 504621.98
3632875.90 23.50746 (20101423)
504721.98 3632875.90 23.57035 (21011323) 504821.98
3632875.90 22.94786 (20011902)
504921.98 3632875.90 22.50012 (19022705) 505021.98
3632875.90 22.11360 (21011520)
505121.98 3632875.90 21.33259 (21010522) 505221.98
3632875.90 20.70886 (20122923)
505321.98 3632875.90 19.85635 (20100121) 505421.98
3632875.90 19.55159 (21022502)
505521.98 3632875.90 18.88726 (20021702) 505621.98
3632875.90 18.73459 (20020804)
505721.98 3632875.90 17.75844 (21012402) 501721.98
3632975.90 6.27832 (21111004)
501821.98 3632975.90 5.61679 (21111004) 501921.98
3632975.90 5.50312 (19010119)
502021.98 3632975.90 5.38180 (19010119) 502121.98
3632975.90 4.99733 (19010119)
505321.98 3632975.90 20.89675 (21022502) 505421.98
3632975.90 20.43722 (20021702)
505521.98 3632975.90 19.93183 (20020804) 505621.98
3632975.90 19.20310 (21012402)
505721.98 3632975.90 18.30926 (20121620) 501721.98
3633075.90 7.45720 (21111004)
501821.98 3633075.90 7.16378 (21111004) 501921.98
3633075.90 6.53948 (21111004)
502021.98 3633075.90 6.04313 (19010119) 502121.98
3633075.90 5.99261 (19010119)
505321.98 3633075.90 22.14065 (20021702) 505421.98
3633075.90 21.10344 (20020804)
505521.98 3633075.90 20.50394 (21012402) 505621.98
3633075.90 19.86395 (20022406)
505721.98 3633075.90 18.78834 (19010903) 501721.98
3633175.90 8.01937 (21111004)
501821.98 3633175.90 8.27754 (21111004) 501921.98
3633175.90 8.15411 (21111004)
502021.98 3633175.90 7.61656 (21111004) 502121.98
3633175.90 6.67802 (21111004)
505321.98 3633175.90 22.56466 (21010922) 505421.98
3633175.90 21.66641 (21012402)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633175.90	21.26909	(20022406)	505621.98	3633175.90	20.00509	(21121121)
505721.98	3633175.90	19.48205	(21120121)	501721.98	3633275.90	7.73380	(21111004)
501821.98	3633275.90	8.57678	(21111004)	501921.98	3633275.90	9.12091	(21111004)
502021.98	3633275.90	9.24956	(21111004)	502121.98	3633275.90	8.85836	(21111004)
505321.98	3633275.90	23.54049	(20121620)	505421.98	3633275.90	22.46818	(19010903)
505521.98	3633275.90	21.50999	(21011418)	505621.98	3633275.90	21.82194	(21011418)
505721.98	3633275.90	19.74882	(21011022)	501721.98	3633375.90	6.62209	(21111004)
501821.98	3633375.90	7.86787	(21111004)	501921.98	3633375.90	9.02248	(21111004)
502021.98	3633375.90	9.92875	(21111004)	502121.98	3633375.90	10.40549	(21111004)
505321.98	3633375.90	23.92268	(21121121)	505421.98	3633375.90	23.44057	(21120121)
505521.98	3633375.90	22.21636	(21011022)	505621.98			

```
3633375.90       21.18164  (20021024)
        505721.98   3633375.90       20.65392  (21122302)                501721.98
3633475.90        6.25231  (21012320)
        501821.98   3633475.90        6.33533  (21111004)                501921.98
3633475.90        7.81995  (21111004)
        502021.98   3633475.90        9.32203  (21111004)                502121.98
3633475.90       10.64897  (21111004)
        505321.98   3633475.90       24.99329  (21021801)                505421.98
3633475.90       23.90976  (20021024)
        505521.98   3633475.90       23.56540  (21122302)                505621.98
3633475.90       22.37969  (21010408)
        505721.98   3633475.90       21.43818  (21011720)                501721.98
3633575.90        9.76383  (21012320)
        501821.98   3633575.90        8.87196  (21012320)                501921.98
3633575.90        7.72988  (21012320)
        502021.98   3633575.90        7.52180  (21111004)                502121.98
3633575.90        9.38742  (21111004)
        505321.98   3633575.90       26.60167  (21122302)                505421.98
3633575.90       25.11255  (21010408)
        505521.98   3633575.90       24.03050  (21011720)                505621.98
3633575.90       22.77550  (21011221)
        505721.98   3633575.90       22.07044  (20121406)                501721.98
3633675.90       12.71827  (21012320)
        501821.98   3633675.90       12.56220  (21012320)                501921.98
3633675.90       12.02823  (21012320)
        502021.98   3633675.90       11.07754  (21012320)                502121.98
3633675.90        9.75902  (21012320)
        505321.98   3633675.90       27.25441  (21011720)                505421.98
3633675.90       25.92372  (21011221)
        505521.98   3633675.90       24.68021  (20121406)                505621.98
3633675.90       23.42243  (20021723)
        505721.98   3633675.90       22.82866  (19011606)                501721.98
3633775.90       13.61477  (21012320)
        501821.98   3633775.90       14.53718  (21012320)                501921.98
3633775.90       15.15727  (21012320)
        502021.98   3633775.90       15.35023  (21012320)                502121.98
3633775.90       14.99573  (21012320)
        505321.98   3633775.90       27.60605  (20121406)                505421.98
3633775.90       26.80790  (20021723)
        505521.98   3633775.90       25.72988  (19011606)                505621.98
3633775.90       23.81224  (19121305)
        505721.98   3633775.90       24.15773  (19121305)                501721.98
3633875.90       11.80842  (21012320)
        501821.98   3633875.90       13.53133  (21012320)                501921.98
3633875.90       15.15360  (21012320)
        502021.98   3633875.90       16.78666  (21012320)                502121.98
3633875.90       18.05331  (21012320)
        505321.98   3633875.90       28.62295  (20012223)                505421.98
3633875.90       27.48315  (19121305)
        505521.98   3633875.90       25.03943  (20082223)                505621.98
```

3633875.90   24.40409 (19011923)
        505721.98   3633875.90   23.56565 (19012803)   501721.98
3633975.90   8.85846 (19083104)
        501821.98   3633975.90   9.95705 (21012320)   501921.98
3633975.90   11.95822 (21012320)
        502021.98   3633975.90   14.18751 (21012320)   502121.98
3633975.90   16.62870 (21012320)
        505321.98   3633975.90   29.31338 (19011923)   505421.98
3633975.90   27.38443 (19012803)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        505521.98   3633975.90   26.01843 (21121821)   505621.98
3633975.90   24.83195 (20121224)
        505721.98   3633975.90   24.10284 (20020703)   501721.98
3634075.90   11.34032 (19083104)
        501821.98   3634075.90   11.78009 (19083104)   501921.98
3634075.90   12.14966 (19083104)
        502021.98   3634075.90   12.42061 (19083104)   502121.98
3634075.90   12.56211 (19083104)
        505321.98   3634075.90   29.58621 (20020703)   505421.98
3634075.90   27.52108 (20020703)
        505521.98   3634075.90   25.30918 (20032124)   505621.98
3634075.90   25.25101 (21122121)

```
        505721.98   3634075.90       24.64766  (21122121)               501721.98
3634175.90       11.64724  (19083104)
        501821.98   3634175.90       12.60726  (19083104)               501921.98
3634175.90       13.59705  (19083104)
        502021.98   3634175.90       14.55650  (19083104)               502121.98
3634175.90       15.61676  (19083104)
        505321.98   3634175.90       30.79576  (21122121)               505421.98
3634175.90       30.03245  (20121803)
        505521.98   3634175.90       29.01367  (21122201)               505621.98
3634175.90       26.41894  (21122201)
        505721.98   3634175.90       24.10846  (21122201)               501721.98
3634275.90        9.56956  (19083104)
        501821.98   3634275.90       10.59218  (19083104)               501921.98
3634275.90       11.74398  (19083104)
        502021.98   3634275.90       13.03146  (19083104)               502121.98
3634275.90       14.49578  (19083104)
        505321.98   3634275.90       33.00005  (20013123)               505421.98
3634275.90       33.12967  (20013123)
        505521.98   3634275.90       28.06953  (20013123)               505621.98
3634275.90       26.19359  (20013123)
        505721.98   3634275.90       24.25766  (20013123)               501721.98
3634375.90        9.24688  (20022619)
        501821.98   3634375.90        9.90040  (20022619)               501921.98
3634375.90       10.54427  (20022619)
        502021.98   3634375.90       11.29441  (20022619)               502121.98
3634375.90       12.21128  (20022619)
        505321.98   3634375.90       37.68587  (20092120)               505421.98
3634375.90       35.19357  (20092120)
        505521.98   3634375.90       26.82009  (20092120)               505621.98
3634375.90       25.06596  (19122101)
        505721.98   3634375.90       23.91049  (19122101)               501721.98
3634475.90       13.24294  (21021102)
        501821.98   3634475.90       14.26090  (21021102)               501921.98
3634475.90       15.38956  (21021102)
        502021.98   3634475.90       16.68567  (21021102)               502121.98
3634475.90       18.10429  (21021102)
        505321.98   3634475.90       37.47732  (20082306)               505421.98
3634475.90       39.80722  (20082306)
        505521.98   3634475.90       32.55493  (20082306)               505621.98
3634475.90       26.80112  (20082306)
        505721.98   3634475.90       23.41657  (20040323)               501721.98
3634575.90       15.07921  (21021102)
        501821.98   3634575.90       16.08707  (21021102)               501921.98
3634575.90       17.20145  (21021102)
        502021.98   3634575.90       18.45323  (21021102)               502121.98
3634575.90       19.83814  (21021102)
        505321.98   3634575.90       35.96588  (20041201)               505421.98
3634575.90       39.88930  (21013119)
        505521.98   3634575.90       35.79508  (21013119)               505621.98
3634575.90       26.23434  (21013119)
```

```
        505721.98   3634575.90       23.96067  (20011720)                501721.98
3634675.90       12.90502  (21021102)
        501821.98   3634675.90       13.43348  (21021102)                501921.98
3634675.90       13.95068  (21021102)
        502021.98   3634675.90       14.47912  (21021102)                502121.98
3634675.90       14.92544  (21021102)
        505321.98   3634675.90       35.26013  (20041201)                505421.98
3634675.90       40.69041  (20041201)
        505521.98   3634675.90       38.99176  (20041201)                505621.98
3634675.90       37.38005  (20041201)
        505721.98   3634675.90       31.15442  (20041201)                501721.98
3634775.90       10.21532  (19101801)
        501821.98   3634775.90       11.04872  (19050903)                501921.98
3634775.90       12.60038  (19050903)
        502021.98   3634775.90       14.36423  (19050903)                502121.98
3634775.90       16.27687  (19050903)
        505321.98   3634775.90       38.62491  (20081806)                505421.98
3634775.90       38.78207  (20081806)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                   PAGE 148
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        505521.98   3634775.90       35.16567  (20081806)                505621.98
3634775.90       33.56120  (20081806)
        505721.98   3634775.90       29.91732  (20081806)                501721.98
```

3634875.90 12.56735 (19050903)
501821.98 3634875.90 13.80060 (19050903) 501921.98
3634875.90 15.01788 (19050903)
502021.98 3634875.90 16.17849 (19050903) 502121.98
3634875.90 17.22210 (19050903)
505321.98 3634875.90 36.74999 (19022319) 505421.98
3634875.90 37.77424 (21012820)
505521.98 3634875.90 36.41432 (21012820) 505621.98
3634875.90 33.06981 (21012820)
505721.98 3634875.90 32.85060 (21032601) 501721.98
3634975.90 12.89787 (19050903)
501821.98 3634975.90 13.37092 (19050903) 501921.98
3634975.90 13.65073 (19050903)
502021.98 3634975.90 13.70153 (19050903) 502121.98
3634975.90 13.47139 (19050903)
505321.98 3634975.90 35.21743 (19030607) 505421.98
3634975.90 39.09966 (20081401)
505521.98 3634975.90 39.47550 (20081401) 505621.98
3634975.90 36.56420 (20081401)
505721.98 3634975.90 32.33025 (20081401) 501721.98
3635075.90 17.84517 (21121021)
501821.98 3635075.90 10.54687 (19050903) 501921.98
3635075.90 31.75199 (19110921)
502021.98 3635075.90 31.82351 (19110921) 502121.98
3635075.90 10.79456 (19022707)
505321.98 3635075.90 30.49746 (20121617) 505421.98
3635075.90 29.06053 (19042006)
505521.98 3635075.90 31.40702 (19042006) 505621.98
3635075.90 30.78091 (19042006)
505721.98 3635075.90 31.60189 (20081401) 501721.98
3635175.90 28.89650 (19110921)
501821.98 3635175.90 27.91386 (19100422) 501921.98
3635175.90 36.18932 (21112918)
502021.98 3635175.90 34.27802 (21112918) 502121.98
3635175.90 17.07052 (20021924)
505321.98 3635175.90 28.52868 (20010802) 505421.98
3635175.90 28.26249 (19022007)
505521.98 3635175.90 26.20951 (19022007) 505621.98
3635175.90 23.00685 (19022007)
505721.98 3635175.90 23.62696 (19042006) 501721.98
3635275.90 31.93196 (19120120)
501821.98 3635275.90 33.09678 (21041803) 501921.98
3635275.90 36.41218 (20021924)
502021.98 3635275.90 38.83268 (19012720) 502121.98
3635275.90 33.24485 (19012720)
505621.98 3635275.90 18.73196 (19022007) 505721.98
3635275.90 19.90470 (19022007)
501721.98 3635375.90 29.40391 (20021924) 501821.98
3635375.90 33.71063 (19012720)
501921.98 3635375.90 34.56565 (19012720) 502021.98

3635375.90   33.34699 (21011719)
        502121.98   3635375.90   36.82845 (21011719)   505621.98
3635375.90   9.34041 (20010802)
        501721.98   3635475.90   25.13101 (19012720)   501821.98
3635475.90   28.30229 (21011719)
        501921.98   3635475.90   31.13394 (19111006)   502021.98
3635475.90   32.84014 (19111006)
        502121.98   3635475.90   34.30658 (21052423)   505621.98
3635475.90   5.85032 (21071520)
        505721.98   3635475.90   4.53540 (20092620)   501721.98
3635575.90   26.64600 (21011719)
        501821.98   3635575.90   25.89236 (21011719)   501921.98
3635575.90   27.72561 (21052423)
        502021.98   3635575.90   31.81032 (21052423)   502121.98
3635575.90   31.58032 (19013101)
        505321.98   3635575.90   27.44649 (19102623)   505421.98
3635575.90   10.21220 (21071520)
        505521.98   3635575.90   8.93112 (21071520)   505621.98
3635575.90   7.47580 (21071520)
        505721.98   3635575.90   6.03824 (21071520)   501721.98
3635675.90   23.56152 (19120317)
        501821.98   3635675.90   23.42682 (19120317)   501921.98
3635675.90   28.10833 (19013101)
        502021.98   3635675.90   30.44265 (19013101)   502121.98
3635675.90   30.84667 (20122320)
        505321.98   3635675.90   29.68674 (19102623)   505421.98
3635675.90   12.11417 (21071520)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3635675.90	9.46438	(21071520)	505621.98	3635675.90	8.51892	(21071520)
505721.98	3635675.90	7.34770	(21071520)	501721.98	3635775.90	23.07213	(19013101)
501821.98	3635775.90	28.43643	(19013101)	501921.98	3635775.90	28.10956	(19013101)
502021.98	3635775.90	30.09809	(20122320)	502121.98	3635775.90	30.58514	(21012023)
505321.98	3635775.90	23.91731	(19102623)	505421.98	3635775.90	29.38639	(19102623)
505521.98	3635775.90	27.16229	(19102623)	505621.98	3635775.90	18.94217	(19102623)
505721.98	3635775.90	16.98352	(19010822)	501721.98	3635875.90	25.04914	(19013101)
501821.98	3635875.90	24.70811	(20122320)	501921.98	3635875.90	28.97670	(20122320)
502021.98	3635875.90	29.81584	(21012023)	502121.98	3635875.90	29.39985	(21012023)
505321.98	3635875.90	27.94819	(20091421)	505421.98	3635875.90	20.24023	(19102623)
505521.98	3635875.90	26.07278	(19102623)	505621.98	3635875.90	25.76079	(19102623)
505721.98	3635875.90	21.91802	(19102623)	501721.98	3635975.90	22.59751	(20122320)
501821.98	3635975.90	26.22569	(20122320)	501921.98	3635975.90	28.17610	(21012023)
502021.98	3635975.90	26.16661	(21012023)	502121.98	3635975.90	28.89383	(20122721)
505321.98	3635975.90	29.38461	(21122618)	505421.98	3635975.90	22.55268	(20091421)
505521.98	3635975.90	18.33288	(21012617)	505621.98	3635975.90	23.83920	(19102623)
505721.98	3635975.90	23.75499	(19102623)	501721.98	3636075.90	22.30039	(20122320)
501821.98	3636075.90	25.08013	(21012023)	501921.98	3636075.90	22.69116	(21012023)
502021.98	3636075.90	27.23749	(20122721)	502121.98	3636075.90	27.88728	(20122721)
502221.98	3636075.90	26.42006	(19031105)	502321.98	3636075.90	23.57100	(21121424)
502421.98	3636075.90	30.19751	(21121424)	502521.98	3636075.90	28.60842	(21121424)
502621.98	3636075.90	30.00328	(19112801)	502721.98	3636075.90	33.44036	(19121706)

```
        502821.98   3636075.90       26.38535  (19121706)                502921.98
3636075.90       29.15481  (21021621)
        503021.98   3636075.90       30.51952  (21112718)                503121.98
3636075.90       32.61596  (19050823)
        503221.98   3636075.90       33.99710  (21100603)                503321.98
3636075.90       34.75207  (20120224)
        503421.98   3636075.90       36.06192  (19072124)                503521.98
3636075.90       33.85544  (21021806)
        503621.98   3636075.90       31.49824  (19080922)                503721.98
3636075.90       37.50706  (21041324)
        503821.98   3636075.90       34.51723  (19072223)                503921.98
3636075.90       36.58902  (19072224)
        504021.98   3636075.90       36.84321  (19122420)                504121.98
3636075.90       30.93376  (19050321)
        504221.98   3636075.90       32.34822  (19050322)                504321.98
3636075.90       37.26832  (21013118)
        504421.98   3636075.90       32.28392  (21013118)                504521.98
3636075.90       28.86499  (21080821)
        504621.98   3636075.90       27.91623  (20102221)                504721.98
3636075.90       32.26480  (19022602)
        504821.98   3636075.90       36.41997  (21121422)                504921.98
3636075.90       25.70979  (21061321)
        505021.98   3636075.90       23.78649  (19010920)                505121.98
3636075.90       28.09841  (21090701)
        505221.98   3636075.90       25.25087  (21081602)                505321.98
3636075.90       28.98751  (21122618)
        505421.98   3636075.90       24.51543  (21122618)                505521.98
3636075.90       21.76617  (20091421)
        505621.98   3636075.90       17.48194  (21012617)                505721.98
3636075.90       20.61852  (19102623)
        501721.98   3636175.90       21.19052  (21012023)                501821.98
3636175.90       19.85056  (20031920)
        501921.98   3636175.90       25.44481  (20122721)                502021.98
3636175.90       25.54687  (20122721)
        502121.98   3636175.90       24.26929  (19031105)                502221.98
3636175.90       23.63795  (20112322)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02

                                  PAGE 150
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
```

```
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502321.98   3636175.90       28.57274  (21121424)               502421.98
3636175.90       27.81301  (21121424)
        502521.98   3636175.90       27.45698  (19112801)               502621.98
3636175.90       31.05607  (19121706)
        502721.98   3636175.90       28.30889  (19121706)               502821.98
3636175.90       27.23441  (21100523)
        502921.98   3636175.90       29.66283  (21021621)               503021.98
3636175.90       29.11283  (21112718)
        503121.98   3636175.90       29.97783  (19050823)               503221.98
3636175.90       32.22010  (21100603)
        503321.98   3636175.90       34.34902  (20120224)               503421.98
3636175.90       33.71025  (19072124)
        503521.98   3636175.90       32.60656  (19051001)               503621.98
3636175.90       30.46000  (19051020)
        503721.98   3636175.90       34.98552  (21041324)               503821.98
3636175.90       32.93715  (19072223)
        503921.98   3636175.90       34.11372  (19072224)               504021.98
3636175.90       35.58556  (19072224)
        504121.98   3636175.90       30.25887  (19070422)               504221.98
3636175.90       31.17930  (19050322)
        504321.98   3636175.90       29.43482  (19073022)               504421.98
3636175.90       26.91763  (21013118)
        504521.98   3636175.90       22.47203  (19111019)               504621.98
3636175.90       24.97706  (20102221)
        504721.98   3636175.90       26.06161  (19060920)               504821.98
3636175.90       25.44095  (19112903)
        504921.98   3636175.90       27.95816  (21121422)               505021.98
3636175.90       26.91924  (21061321)
        505121.98   3636175.90       23.39442  (21090701)               505221.98
3636175.90       26.85215  (21090701)
        505321.98   3636175.90       25.88228  (21081602)               505421.98
3636175.90       28.60742  (21122618)
        505521.98   3636175.90       24.94819  (21122618)               505621.98
3636175.90       21.14087  (20091421)
        505721.98   3636175.90       16.80842  (20091421)               501721.98
```

```
3636275.90       17.94900  (21040604)
        501821.98   3636275.90       22.93588  (20122721)                501921.98
3636275.90       23.26344  (20122721)
        502021.98   3636275.90       22.52946  (19031105)                502121.98
3636275.90       22.38908  (20112322)
        502221.98   3636275.90       26.28089  (21121424)                502321.98
3636275.90       27.31101  (21121424)
        502421.98   3636275.90       24.87073  (19112801)                502521.98
3636275.90       27.74355  (19121706)
        502621.98   3636275.90       28.91086  (19121706)                502721.98
3636275.90       25.27141  (21100523)
        502821.98   3636275.90       26.21641  (21021621)                502921.98
3636275.90       26.97667  (21021621)
        503021.98   3636275.90       28.37118  (19050823)                503121.98
3636275.90       28.08819  (21100603)
        503221.98   3636275.90       28.40532  (21100603)                503321.98
3636275.90       30.00206  (20120224)
        503421.98   3636275.90       29.67405  (19072124)                503521.98
3636275.90       30.92918  (19051001)
        503621.98   3636275.90       29.57661  (19051020)                503721.98
3636275.90       32.06945  (21041324)
        503821.98   3636275.90       30.77905  (19072223)                503921.98
3636275.90       31.01150  (19072224)
        504021.98   3636275.90       34.06900  (19072224)                504121.98
3636275.90       27.26200  (19082323)
        504221.98   3636275.90       26.38589  (19082724)                504321.98
3636275.90       20.12311  (20031720)
        504421.98   3636275.90       22.76935  (21013118)                504521.98
3636275.90       18.75898  (19081120)
        504621.98   3636275.90       18.57103  (20050923)                504721.98
3636275.90       23.26617  (19060406)
        504821.98   3636275.90       19.72002  (19110518)                504921.98
3636275.90       24.44294  (21050522)
        505021.98   3636275.90       26.09336  (21121422)                505121.98
3636275.90       23.16249  (21061321)
        505221.98   3636275.90       23.55689  (21090701)                505321.98
3636275.90       27.05832  (21090701)
        505421.98   3636275.90       25.63885  (21081602)                505521.98
3636275.90       26.53012  (21122618)
        505621.98   3636275.90       24.33945  (21122618)                505721.98
3636275.90       21.06982  (20091421)
        501721.98   3636375.90       20.79593  (20122721)                501821.98
3636375.90       20.76188  (20122721)
        501921.98   3636375.90       20.72424  (19031105)                502021.98
3636375.90       21.08730  (20112322)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Santee\Santee.isc   ***        11/06/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:32:02
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502121.98	3636375.90	23.56443	(21121424)	502221.98	3636375.90	26.22045	(21121424)
502321.98	3636375.90	22.66022	(19112801)	502421.98	3636375.90	25.82237	(19112801)
502521.98	3636375.90	28.24359	(19121706)	502621.98	3636375.90	22.83322	(20040204)
502721.98	3636375.90	24.49925	(21100523)	502821.98	3636375.90	26.38146	(21021621)
502921.98	3636375.90	25.88031	(21112718)	503021.98	3636375.90	27.73207	(19050823)
503121.98	3636375.90	27.58046	(21100603)	503221.98	3636375.90	24.75038	(19080122)
503321.98	3636375.90	24.72291	(20120224)	503421.98	3636375.90	26.87658	(20052321)
503521.98	3636375.90	28.56682	(19051001)	503621.98	3636375.90	27.99128	(19051020)
503721.98	3636375.90	29.38293	(19072223)	503821.98	3636375.90	28.58596	(19072223)
503921.98	3636375.90	27.92650	(21050323)	504021.98	3636375.90	31.63450	(19072224)
504121.98	3636375.90	23.81350	(19082323)	504221.98	3636375.90	21.47436	(19082724)
504321.98	3636375.90	18.52301	(21071621)	504421.98	3636375.90	20.84125	(21013118)
504521.98	3636375.90	18.66602	(21013118)	504621.98	3636375.90	17.28693	(19080523)

504721.98 3636375.90 18.61613 (19060406) 504821.98
3636375.90 17.29175 (19060406)
504921.98 3636375.90 17.21791 (19081721) 505021.98
3636375.90 22.54394 (21050522)
505121.98 3636375.90 22.32403 (21061321) 505221.98
3636375.90 22.82826 (21061321)
505321.98 3636375.90 24.38264 (21090701) 505421.98
3636375.90 25.52433 (21090701)
505521.98 3636375.90 23.95058 (21081602) 505621.98
3636375.90 25.76972 (21122618)
505721.98 3636375.90 23.48973 (21122618) 501721.98
3636475.90 17.71623 (20122721)
501821.98 3636475.90 18.44375 (21101802) 501921.98
3636475.90 19.60157 (20112322)
502021.98 3636475.90 20.84254 (19122519) 502121.98
3636475.90 24.10837 (21121424)
502221.98 3636475.90 21.20621 (21021521) 502321.98
3636475.90 24.61524 (19112801)
502421.98 3636475.90 26.50948 (19121706) 502521.98
3636475.90 24.00478 (19121706)
502621.98 3636475.90 22.96992 (21100523) 502721.98
3636475.90 23.69522 (21021621)
502821.98 3636475.90 23.61365 (21112718) 502921.98
3636475.90 23.65049 (19050823)
503021.98 3636475.90 24.80325 (19050823) 503121.98
3636475.90 25.09901 (21100603)
503221.98 3636475.90 21.63163 (19081523) 503321.98
3636475.90 23.00199 (19072124)
503421.98 3636475.90 24.10987 (20071122) 503521.98
3636475.90 25.73273 (19051001)
503621.98 3636475.90 26.05266 (19051020) 503721.98
3636475.90 27.04720 (19072223)
503821.98 3636475.90 25.45867 (19082801) 503921.98
3636475.90 24.95220 (21050323)
504021.98 3636475.90 24.04105 (19072224) 504121.98
3636475.90 19.52786 (19081023)
504221.98 3636475.90 19.58983 (19082724) 504321.98
3636475.90 17.53611 (21071621)
504421.98 3636475.90 17.57389 (21013118) 504521.98
3636475.90 20.01626 (21013118)
504621.98 3636475.90 16.72768 (19081120) 504721.98
3636475.90 16.23957 (19061821)
504821.98 3636475.90 15.50567 (19061621) 504921.98
3636475.90 15.97349 (19060920)
505021.98 3636475.90 21.26473 (19112903) 505121.98
3636475.90 24.96792 (21121422)
505221.98 3636475.90 21.63127 (21061321) 505321.98
3636475.90 20.53179 (19010920)
505421.98 3636475.90 23.53452 (21090701) 505521.98
3636475.90 23.61240 (21090701)

*** THE SUMMARY OF MAXIMUM PERIOD (26304 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	14.00489 AT (504121.98, 3634275.90, 111.85, 363.34, 0.00)	DC	
	2ND HIGHEST VALUE IS	13.84085 AT (503821.98, 3634775.90, 107.48, 336.50, 0.00)	DC	
	3RD HIGHEST VALUE IS	13.79846 AT (504071.98, 3634225.90, 111.70, 363.34, 0.00)	DC	
	4TH HIGHEST VALUE IS	13.62633 AT (503771.98, 3634775.90, 109.72, 334.85, 0.00)	DC	
	5TH HIGHEST VALUE IS	13.54964 AT (503971.98, 3634175.90, 111.56, 363.34, 0.00)	DC	
	6TH HIGHEST VALUE IS	13.39112 AT (503621.98, 3634725.90, 107.45, 334.15, 0.00)	DC	
	7TH HIGHEST VALUE IS	12.90402 AT (503721.98, 3634775.90, 110.62, 333.64, 0.00)	DC	
	8TH HIGHEST VALUE IS	12.71777 AT (504171.98, 3634325.90, 113.36, 363.34, 0.00)	DC	
	9TH HIGHEST VALUE IS	12.35390 AT (504021.98, 3634175.90, 111.49, 363.34, 0.00)	DC	
	10TH HIGHEST VALUE IS	11.93989 AT (504121.98, 3634225.90, 112.70, 363.34, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE	CONC	DATE (YYMMDDHH)	NETWORK TYPE	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF GRID-ID
ALL	HIGH	1ST HIGH VALUE IS	151.89702	ON 20081805:	AT (504171.98, 3634125.90, 115.88, 363.34, 0.00)	DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 5244 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 4177 Calm Hours Identified

```
 A Total of         1067 Missing Hours Identified (  4.06 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403     708       PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

HARP2 - HRACalc (dated 22118) 11/7/2023 10:29:58 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.28

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1.28
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\SanteeCV7to7wOPRwM\hra\ConstCancerMitCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\SanteeCV7to7wOPRwM\hra\ConstCancerMitCancerRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 11/7/2023 10:29:58 AM - Cancer Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\SanteeCV7to7wOPRwM\hra\ConstCancerMitHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		502722	3633476	9.57E-08	1.28YrCanc	9.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		502772	3633476	9.98E-08	1.28YrCanc	9.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		502822	3633476	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		502872	3633476	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		502922	3633476	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		502972	3633476	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		503022	3633476	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		503072	3633476	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		503122	3633476	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		503172	3633476	1.39E-07	1.28YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		503222	3633476	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		503272	3633476	1.49E-07	1.28YrCanc	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		503322	3633476	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		503372	3633476	9.37E-08	1.28YrCanc	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		503422	3633476	9.54E-08	1.28YrCanc	9.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		503472	3633476	9.82E-08	1.28YrCanc	9.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		503522	3633476	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		503622	3633476	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		503672	3633476	9.31E-08	1.28YrCanc	9.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		503722	3633476	8.55E-08	1.28YrCanc	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		503772	3633476	8.66E-08	1.28YrCanc	8.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		503822	3633476	8.29E-08	1.28YrCanc	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		503872	3633476	8.33E-08	1.28YrCanc	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		503922	3633476	8.99E-08	1.28YrCanc	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		503972	3633476	9.09E-08	1.28YrCanc	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		504022	3633476	8.70E-08	1.28YrCanc	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		504072	3633476	8.83E-08	1.28YrCanc	8.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		504122	3633476	9.20E-08	1.28YrCanc	9.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		504172	3633476	8.84E-08	1.28YrCanc	8.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		504222	3633476	9.03E-08	1.28YrCanc	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		504272	3633476	9.36E-08	1.28YrCanc	9.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		504322	3633476	9.37E-08	1.28YrCanc	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		504372	3633476	8.53E-08	1.28YrCanc	8.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		504422	3633476	8.00E-08	1.28YrCanc	8.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		504472	3633476	7.72E-08	1.28YrCanc	7.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		504522	3633476	7.64E-08	1.28YrCanc	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		504572	3633476	7.79E-08	1.28YrCanc	7.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		504622	3633476	8.03E-08	1.28YrCanc	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		504672	3633476	8.14E-08	1.28YrCanc	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		504722	3633476	8.36E-08	1.28YrCanc	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		502722	3633526	9.95E-08	1.28YrCanc	9.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		502772	3633526	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		502822	3633526	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL		502872	3633526	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL		502922	3633526	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL		502972	3633526	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL		503022	3633526	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL		503072	3633526	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

49	ALL	503122	3633526	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	503172	3633526	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	503222	3633526	1.54E-07	1.28YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	503272	3633526	1.59E-07	1.28YrCanc	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	503322	3633526	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	503372	3633526	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	503422	3633526	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	503472	3633526	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	503522	3633526	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	503622	3633526	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	503672	3633526	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	503722	3633526	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	503772	3633526	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	503822	3633526	9.75E-08	1.28YrCanc	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	503872	3633526	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	503922	3633526	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	503972	3633526	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	504022	3633526	1.00E-07	1.28YrCanc	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	504072	3633526	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	504122	3633526	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	504172	3633526	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	504222	3633526	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	504272	3633526	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	504322	3633526	9.24E-08	1.28YrCanc	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	504372	3633526	8.79E-08	1.28YrCanc	8.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	504422	3633526	8.47E-08	1.28YrCanc	8.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	504472	3633526	8.33E-08	1.28YrCanc	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	504522	3633526	8.51E-08	1.28YrCanc	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	504572	3633526	8.83E-08	1.28YrCanc	8.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	504622	3633526	9.07E-08	1.28YrCanc	9.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	504672	3633526	9.10E-08	1.28YrCanc	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	504722	3633526	9.04E-08	1.28YrCanc	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	502722	3633576	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	502772	3633576	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	502822	3633576	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	502872	3633576	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	502922	3633576	1.25E-07	1.28YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	502972	3633576	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	503022	3633576	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	503072	3633576	1.43E-07	1.28YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	503122	3633576	1.50E-07	1.28YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	503172	3633576	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	503222	3633576	1.64E-07	1.28YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	503272	3633576	1.71E-07	1.28YrCanc	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	503322	3633576	1.77E-07	1.28YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	503372	3633576	1.58E-07	1.28YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	503422	3633576	1.56E-07	1.28YrCanc	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	503472	3633576	1.53E-07	1.28YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	503522	3633576	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	503622	3633576	1.42E-07	1.28YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

99	ALL	503672	3633576	1.43E-07	1.28YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	503722	3633576	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	503772	3633576	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	503822	3633576	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	503872	3633576	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	503922	3633576	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	503972	3633576	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	504022	3633576	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	504072	3633576	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	504122	3633576	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	504172	3633576	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	504222	3633576	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	504272	3633576	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	504322	3633576	9.92E-08	1.28YrCanc	9.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	504372	3633576	9.51E-08	1.28YrCanc	9.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	504422	3633576	9.15E-08	1.28YrCanc	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	504472	3633576	9.18E-08	1.28YrCanc	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	504522	3633576	9.61E-08	1.28YrCanc	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	504572	3633576	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	504622	3633576	9.97E-08	1.28YrCanc	9.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	504672	3633576	9.85E-08	1.28YrCanc	9.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	504722	3633576	9.76E-08	1.28YrCanc	9.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	502722	3633626	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	502772	3633626	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	502822	3633626	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	502872	3633626	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	502922	3633626	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	502972	3633626	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	503022	3633626	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	503072	3633626	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	503122	3633626	1.59E-07	1.28YrCanc	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	503172	3633626	1.67E-07	1.28YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	503222	3633626	1.75E-07	1.28YrCanc	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	503272	3633626	1.84E-07	1.28YrCanc	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	503322	3633626	1.92E-07	1.28YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	503372	3633626	1.93E-07	1.28YrCanc	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	503422	3633626	1.78E-07	1.28YrCanc	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	503472	3633626	1.76E-07	1.28YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	503522	3633626	1.80E-07	1.28YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	503622	3633626	1.66E-07	1.28YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	503672	3633626	1.58E-07	1.28YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	503722	3633626	1.65E-07	1.28YrCanc	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	503772	3633626	1.49E-07	1.28YrCanc	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	503822	3633626	1.47E-07	1.28YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	503872	3633626	1.53E-07	1.28YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	503922	3633626	1.50E-07	1.28YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	503972	3633626	1.49E-07	1.28YrCanc	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	504022	3633626	1.43E-07	1.28YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	504072	3633626	1.39E-07	1.28YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	504122	3633626	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

149	ALL	504172	3633626	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	504222	3633626	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	504272	3633626	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	504322	3633626	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	504372	3633626	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	504422	3633626	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	504472	3633626	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	504522	3633626	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	504572	3633626	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	504622	3633626	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	504672	3633626	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	504722	3633626	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	502722	3633676	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	502772	3633676	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	502822	3633676	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	502872	3633676	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	502922	3633676	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	502972	3633676	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	503022	3633676	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	503072	3633676	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	503122	3633676	1.69E-07	1.28YrCanc	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	503172	3633676	1.78E-07	1.28YrCanc	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	503222	3633676	1.88E-07	1.28YrCanc	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	503272	3633676	1.98E-07	1.28YrCanc	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	503322	3633676	2.07E-07	1.28YrCanc	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	503372	3633676	2.17E-07	1.28YrCanc	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	503422	3633676	2.26E-07	1.28YrCanc	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	503472	3633676	2.25E-07	1.28YrCanc	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	503522	3633676	2.21E-07	1.28YrCanc	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	503572	3633676	1.84E-07	1.28YrCanc	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	503672	3633676	1.79E-07	1.28YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	503722	3633676	1.83E-07	1.28YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	503772	3633676	1.82E-07	1.28YrCanc	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	503822	3633676	1.77E-07	1.28YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	503872	3633676	1.73E-07	1.28YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	503922	3633676	1.74E-07	1.28YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	503972	3633676	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	504022	3633676	1.65E-07	1.28YrCanc	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	504072	3633676	1.66E-07	1.28YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	504122	3633676	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	504172	3633676	1.72E-07	1.28YrCanc	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	504222	3633676	1.69E-07	1.28YrCanc	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	504272	3633676	1.54E-07	1.28YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	504322	3633676	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	504372	3633676	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	504422	3633676	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	504472	3633676	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	504522	3633676	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	504572	3633676	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	504622	3633676	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

199	ALL	504672	3633676	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	504722	3633676	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	502722	3633726	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	502772	3633726	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	502822	3633726	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	502872	3633726	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	502922	3633726	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	502972	3633726	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	503022	3633726	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	503072	3633726	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	503122	3633726	1.80E-07	1.28YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	503172	3633726	1.90E-07	1.28YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	503222	3633726	2.01E-07	1.28YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	503272	3633726	2.13E-07	1.28YrCanc	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	503322	3633726	2.24E-07	1.28YrCanc	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	503372	3633726	2.36E-07	1.28YrCanc	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	503422	3633726	2.48E-07	1.28YrCanc	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	503472	3633726	2.59E-07	1.28YrCanc	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	503522	3633726	2.65E-07	1.28YrCanc	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	503572	3633726	2.47E-07	1.28YrCanc	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	503722	3633726	2.22E-07	1.28YrCanc	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	503772	3633726	2.11E-07	1.28YrCanc	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	503822	3633726	2.09E-07	1.28YrCanc	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	503872	3633726	2.03E-07	1.28YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	503922	3633726	2.01E-07	1.28YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	503972	3633726	1.93E-07	1.28YrCanc	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	504022	3633726	1.89E-07	1.28YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	504072	3633726	1.90E-07	1.28YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	504122	3633726	2.00E-07	1.28YrCanc	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	504172	3633726	1.98E-07	1.28YrCanc	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	504222	3633726	1.92E-07	1.28YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	504272	3633726	1.90E-07	1.28YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	504322	3633726	1.62E-07	1.28YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	504372	3633726	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	504422	3633726	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	504472	3633726	1.43E-07	1.28YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	504522	3633726	1.43E-07	1.28YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	504572	3633726	1.39E-07	1.28YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	504622	3633726	1.42E-07	1.28YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	504672	3633726	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	504722	3633726	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	502722	3633776	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	502772	3633776	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	502822	3633776	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	502872	3633776	1.42E-07	1.28YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	502922	3633776	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	502972	3633776	1.60E-07	1.28YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	503022	3633776	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	503072	3633776	1.80E-07	1.28YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	503122	3633776	1.91E-07	1.28YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

249 ALL	503172	3633776	2.04E-07	1.28YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250 ALL	503222	3633776	2.16E-07	1.28YrCanc	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251 ALL	503272	3633776	2.30E-07	1.28YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252 ALL	503322	3633776	2.44E-07	1.28YrCanc	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253 ALL	503372	3633776	2.58E-07	1.28YrCanc	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254 ALL	503422	3633776	2.72E-07	1.28YrCanc	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255 ALL	503472	3633776	2.86E-07	1.28YrCanc	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256 ALL	503772	3633776	2.46E-07	1.28YrCanc	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257 ALL	503822	3633776	2.43E-07	1.28YrCanc	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258 ALL	503872	3633776	2.41E-07	1.28YrCanc	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259 ALL	503922	3633776	2.29E-07	1.28YrCanc	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260 ALL	503972	3633776	2.20E-07	1.28YrCanc	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261 ALL	504022	3633776	2.19E-07	1.28YrCanc	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262 ALL	504072	3633776	2.39E-07	1.28YrCanc	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263 ALL	504122	3633776	2.37E-07	1.28YrCanc	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264 ALL	504172	3633776	2.35E-07	1.28YrCanc	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265 ALL	504222	3633776	2.27E-07	1.28YrCanc	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266 ALL	504272	3633776	2.16E-07	1.28YrCanc	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267 ALL	504322	3633776	1.91E-07	1.28YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268 ALL	504372	3633776	1.77E-07	1.28YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269 ALL	504422	3633776	1.72E-07	1.28YrCanc	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270 ALL	504472	3633776	1.64E-07	1.28YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271 ALL	504522	3633776	1.69E-07	1.28YrCanc	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272 ALL	504572	3633776	1.74E-07	1.28YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273 ALL	504622	3633776	1.66E-07	1.28YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274 ALL	504672	3633776	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275 ALL	504722	3633776	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276 ALL	502722	3633826	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277 ALL	502772	3633826	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278 ALL	502822	3633826	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279 ALL	502872	3633826	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280 ALL	502922	3633826	1.58E-07	1.28YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281 ALL	502972	3633826	1.68E-07	1.28YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282 ALL	503022	3633826	1.79E-07	1.28YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283 ALL	503072	3633826	1.91E-07	1.28YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284 ALL	503122	3633826	2.04E-07	1.28YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285 ALL	503172	3633826	2.18E-07	1.28YrCanc	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286 ALL	503222	3633826	2.33E-07	1.28YrCanc	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287 ALL	503272	3633826	2.48E-07	1.28YrCanc	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288 ALL	503772	3633826	3.04E-07	1.28YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289 ALL	503822	3633826	3.02E-07	1.28YrCanc	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290 ALL	503872	3633826	2.85E-07	1.28YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291 ALL	503922	3633826	2.64E-07	1.28YrCanc	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292 ALL	503972	3633826	2.59E-07	1.28YrCanc	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293 ALL	504022	3633826	2.84E-07	1.28YrCanc	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294 ALL	504072	3633826	2.79E-07	1.28YrCanc	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295 ALL	504122	3633826	2.78E-07	1.28YrCanc	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296 ALL	504172	3633826	2.80E-07	1.28YrCanc	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297 ALL	504222	3633826	2.69E-07	1.28YrCanc	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298 ALL	504272	3633826	2.60E-07	1.28YrCanc	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

299	ALL	504322	3633826	2.49E-07	1.28YrCanc	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	504372	3633826	2.34E-07	1.28YrCanc	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	504422	3633826	2.16E-07	1.28YrCanc	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	504472	3633826	2.06E-07	1.28YrCanc	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	504522	3633826	2.03E-07	1.28YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	504572	3633826	2.04E-07	1.28YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	504622	3633826	1.89E-07	1.28YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	504672	3633826	1.76E-07	1.28YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	504722	3633826	1.68E-07	1.28YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	502722	3633876	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	502772	3633876	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	502822	3633876	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	502872	3633876	1.55E-07	1.28YrCanc	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	502922	3633876	1.65E-07	1.28YrCanc	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	502972	3633876	1.76E-07	1.28YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	503022	3633876	1.89E-07	1.28YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	503072	3633876	2.02E-07	1.28YrCanc	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	503122	3633876	2.17E-07	1.28YrCanc	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	503172	3633876	2.33E-07	1.28YrCanc	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	503222	3633876	2.50E-07	1.28YrCanc	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	503272	3633876	2.69E-07	1.28YrCanc	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	503822	3633876	3.56E-07	1.28YrCanc	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	503872	3633876	3.31E-07	1.28YrCanc	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	503922	3633876	3.21E-07	1.28YrCanc	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	503972	3633876	3.48E-07	1.28YrCanc	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	504022	3633876	3.43E-07	1.28YrCanc	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	504072	3633876	3.28E-07	1.28YrCanc	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	504122	3633876	3.33E-07	1.28YrCanc	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	504172	3633876	3.23E-07	1.28YrCanc	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	504222	3633876	3.15E-07	1.28YrCanc	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	504272	3633876	3.03E-07	1.28YrCanc	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	504322	3633876	2.84E-07	1.28YrCanc	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	504372	3633876	2.70E-07	1.28YrCanc	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	504422	3633876	2.53E-07	1.28YrCanc	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	504472	3633876	2.44E-07	1.28YrCanc	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	504522	3633876	2.45E-07	1.28YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	504572	3633876	2.35E-07	1.28YrCanc	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	504622	3633876	2.19E-07	1.28YrCanc	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	504672	3633876	1.91E-07	1.28YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	504722	3633876	1.83E-07	1.28YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	502722	3633926	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	502772	3633926	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	502822	3633926	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	502872	3633926	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	502922	3633926	1.73E-07	1.28YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	502972	3633926	1.85E-07	1.28YrCanc	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	503022	3633926	1.99E-07	1.28YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	503072	3633926	2.14E-07	1.28YrCanc	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	503122	3633926	2.31E-07	1.28YrCanc	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	503172	3633926	2.49E-07	1.28YrCanc	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

349	ALL	503222	3633926	2.69E-07	1.28YrCanc	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	503272	3633926	2.92E-07	1.28YrCanc	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	ALL	503822	3633926	4.35E-07	1.28YrCanc	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	503872	3633926	4.17E-07	1.28YrCanc	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	503922	3633926	4.18E-07	1.28YrCanc	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	503972	3633926	4.40E-07	1.28YrCanc	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	504022	3633926	4.15E-07	1.28YrCanc	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	504072	3633926	4.07E-07	1.28YrCanc	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	504122	3633926	3.92E-07	1.28YrCanc	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	504172	3633926	3.86E-07	1.28YrCanc	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	504222	3633926	3.77E-07	1.28YrCanc	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	504272	3633926	3.61E-07	1.28YrCanc	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	504322	3633926	3.48E-07	1.28YrCanc	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	504372	3633926	3.26E-07	1.28YrCanc	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	504422	3633926	3.13E-07	1.28YrCanc	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	504472	3633926	2.95E-07	1.28YrCanc	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	504522	3633926	2.75E-07	1.28YrCanc	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	504572	3633926	2.47E-07	1.28YrCanc	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	504622	3633926	2.25E-07	1.28YrCanc	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	504672	3633926	2.08E-07	1.28YrCanc	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	504722	3633926	1.92E-07	1.28YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	502722	3633976	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	502772	3633976	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	502822	3633976	1.56E-07	1.28YrCanc	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	502872	3633976	1.67E-07	1.28YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	502922	3633976	1.80E-07	1.28YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	502972	3633976	1.94E-07	1.28YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	503022	3633976	2.09E-07	1.28YrCanc	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	503072	3633976	2.26E-07	1.28YrCanc	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	503122	3633976	2.45E-07	1.28YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	503172	3633976	2.67E-07	1.28YrCanc	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	503222	3633976	2.90E-07	1.28YrCanc	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	503272	3633976	3.16E-07	1.28YrCanc	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	503822	3633976	5.38E-07	1.28YrCanc	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	503872	3633976	5.30E-07	1.28YrCanc	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	503922	3633976	5.88E-07	1.28YrCanc	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	503972	3633976	5.43E-07	1.28YrCanc	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	504022	3633976	5.12E-07	1.28YrCanc	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	504072	3633976	4.89E-07	1.28YrCanc	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	504122	3633976	4.78E-07	1.28YrCanc	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	504172	3633976	4.62E-07	1.28YrCanc	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	504222	3633976	4.39E-07	1.28YrCanc	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	504272	3633976	4.20E-07	1.28YrCanc	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	504322	3633976	4.05E-07	1.28YrCanc	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	504372	3633976	3.76E-07	1.28YrCanc	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	504422	3633976	3.55E-07	1.28YrCanc	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	504472	3633976	3.16E-07	1.28YrCanc	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	504522	3633976	2.76E-07	1.28YrCanc	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	504572	3633976	2.53E-07	1.28YrCanc	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	504622	3633976	2.32E-07	1.28YrCanc	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

399	ALL	504672	3633976	2.09E-07	1.28YrCanc	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	504722	3633976	1.86E-07	1.28YrCanc	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	502722	3634026	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	502772	3634026	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	502822	3634026	1.62E-07	1.28YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	502872	3634026	1.74E-07	1.28YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	502922	3634026	1.87E-07	1.28YrCanc	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	502972	3634026	2.03E-07	1.28YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	503022	3634026	2.20E-07	1.28YrCanc	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	503072	3634026	2.39E-07	1.28YrCanc	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	503122	3634026	2.60E-07	1.28YrCanc	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	503172	3634026	2.85E-07	1.28YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	503222	3634026	3.12E-07	1.28YrCanc	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	503272	3634026	3.43E-07	1.28YrCanc	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	503872	3634026	7.23E-07	1.28YrCanc	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	503922	3634026	7.20E-07	1.28YrCanc	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	503972	3634026	6.58E-07	1.28YrCanc	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	504022	3634026	6.33E-07	1.28YrCanc	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	504072	3634026	5.99E-07	1.28YrCanc	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	504122	3634026	5.75E-07	1.28YrCanc	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	504172	3634026	5.42E-07	1.28YrCanc	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	504222	3634026	5.18E-07	1.28YrCanc	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	504272	3634026	4.89E-07	1.28YrCanc	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	504322	3634026	4.63E-07	1.28YrCanc	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	504372	3634026	4.24E-07	1.28YrCanc	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	504422	3634026	3.62E-07	1.28YrCanc	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	504472	3634026	3.20E-07	1.28YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	504522	3634026	2.90E-07	1.28YrCanc	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	504572	3634026	2.59E-07	1.28YrCanc	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	504622	3634026	2.26E-07	1.28YrCanc	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	504672	3634026	2.01E-07	1.28YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	504722	3634026	1.81E-07	1.28YrCanc	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	502722	3634076	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	502772	3634076	1.55E-07	1.28YrCanc	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	502822	3634076	1.67E-07	1.28YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	502872	3634076	1.80E-07	1.28YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	502922	3634076	1.95E-07	1.28YrCanc	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	502972	3634076	2.11E-07	1.28YrCanc	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	503022	3634076	2.30E-07	1.28YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	503072	3634076	2.51E-07	1.28YrCanc	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	ALL	503122	3634076	2.76E-07	1.28YrCanc	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	503172	3634076	3.03E-07	1.28YrCanc	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	503222	3634076	3.35E-07	1.28YrCanc	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	503272	3634076	3.71E-07	1.28YrCanc	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	503872	3634076	9.10E-07	1.28YrCanc	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	503922	3634076	8.82E-07	1.28YrCanc	8.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	503972	3634076	8.41E-07	1.28YrCanc	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	504022	3634076	7.72E-07	1.28YrCanc	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	504072	3634076	7.28E-07	1.28YrCanc	7.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	504122	3634076	6.90E-07	1.28YrCanc	6.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

449	ALL	504172	3634076	6.51E-07	1.28YrCanc	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	504222	3634076	6.15E-07	1.28YrCanc	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	504272	3634076	5.77E-07	1.28YrCanc	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	504322	3634076	5.23E-07	1.28YrCanc	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	504372	3634076	4.47E-07	1.28YrCanc	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	504422	3634076	3.88E-07	1.28YrCanc	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	504472	3634076	3.34E-07	1.28YrCanc	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	504522	3634076	2.85E-07	1.28YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	504572	3634076	2.46E-07	1.28YrCanc	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	504622	3634076	2.12E-07	1.28YrCanc	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	504672	3634076	1.93E-07	1.28YrCanc	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	504722	3634076	1.79E-07	1.28YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	502722	3634126	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	502772	3634126	1.59E-07	1.28YrCanc	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	502822	3634126	1.72E-07	1.28YrCanc	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	502872	3634126	1.86E-07	1.28YrCanc	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	502922	3634126	2.01E-07	1.28YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	502972	3634126	2.19E-07	1.28YrCanc	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	503022	3634126	2.40E-07	1.28YrCanc	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	503072	3634126	2.63E-07	1.28YrCanc	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	503122	3634126	2.91E-07	1.28YrCanc	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	503172	3634126	3.22E-07	1.28YrCanc	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	503222	3634126	3.58E-07	1.28YrCanc	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	503272	3634126	4.01E-07	1.28YrCanc	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	503922	3634126	1.11E-06	1.28YrCanc	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	503972	3634126	1.05E-06	1.28YrCanc	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	504022	3634126	9.73E-07	1.28YrCanc	9.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	504072	3634126	9.01E-07	1.28YrCanc	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	504122	3634126	8.41E-07	1.28YrCanc	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	504172	3634126	7.85E-07	1.28YrCanc	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	504222	3634126	7.28E-07	1.28YrCanc	7.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	504272	3634126	6.64E-07	1.28YrCanc	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	504322	3634126	5.85E-07	1.28YrCanc	5.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	504372	3634126	4.99E-07	1.28YrCanc	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	504422	3634126	4.11E-07	1.28YrCanc	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	504472	3634126	3.23E-07	1.28YrCanc	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	504522	3634126	2.78E-07	1.28YrCanc	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	504572	3634126	2.38E-07	1.28YrCanc	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	504622	3634126	2.09E-07	1.28YrCanc	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	504672	3634126	1.92E-07	1.28YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	504722	3634126	1.75E-07	1.28YrCanc	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	502722	3634176	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	502772	3634176	1.63E-07	1.28YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	502822	3634176	1.76E-07	1.28YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	502872	3634176	1.91E-07	1.28YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	502922	3634176	2.08E-07	1.28YrCanc	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	502972	3634176	2.27E-07	1.28YrCanc	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	503022	3634176	2.49E-07	1.28YrCanc	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	503072	3634176	2.75E-07	1.28YrCanc	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	503122	3634176	3.05E-07	1.28YrCanc	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

499	ALL	503172	3634176	3.40E-07	1.28YrCanc	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	503222	3634176	3.81E-07	1.28YrCanc	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	503272	3634176	4.31E-07	1.28YrCanc	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	503972	3634176	1.34E-06	1.28YrCanc	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	504022	3634176	1.22E-06	1.28YrCanc	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	504072	3634176	1.10E-06	1.28YrCanc	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	504122	3634176	1.00E-06	1.28YrCanc	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	504172	3634176	8.96E-07	1.28YrCanc	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	504222	3634176	8.38E-07	1.28YrCanc	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	504272	3634176	7.52E-07	1.28YrCanc	7.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	504322	3634176	6.62E-07	1.28YrCanc	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	504372	3634176	4.88E-07	1.28YrCanc	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	504422	3634176	3.54E-07	1.28YrCanc	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	504472	3634176	3.10E-07	1.28YrCanc	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	504522	3634176	2.71E-07	1.28YrCanc	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	504572	3634176	2.27E-07	1.28YrCanc	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	504622	3634176	1.99E-07	1.28YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	504672	3634176	1.79E-07	1.28YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	504722	3634176	1.59E-07	1.28YrCanc	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	502722	3634226	1.54E-07	1.28YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	502772	3634226	1.67E-07	1.28YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	502822	3634226	1.80E-07	1.28YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	502872	3634226	1.96E-07	1.28YrCanc	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	502922	3634226	2.14E-07	1.28YrCanc	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	502972	3634226	2.34E-07	1.28YrCanc	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	503022	3634226	2.58E-07	1.28YrCanc	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	503072	3634226	2.86E-07	1.28YrCanc	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	503122	3634226	3.19E-07	1.28YrCanc	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	ALL	503172	3634226	3.58E-07	1.28YrCanc	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	503222	3634226	4.04E-07	1.28YrCanc	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	503272	3634226	4.61E-07	1.28YrCanc	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	504072	3634226	1.37E-06	1.28YrCanc	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	504122	3634226	1.18E-06	1.28YrCanc	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	504172	3634226	1.04E-06	1.28YrCanc	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	504222	3634226	8.93E-07	1.28YrCanc	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	504272	3634226	8.19E-07	1.28YrCanc	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	504322	3634226	7.04E-07	1.28YrCanc	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	504372	3634226	4.78E-07	1.28YrCanc	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	504422	3634226	3.46E-07	1.28YrCanc	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	504472	3634226	3.03E-07	1.28YrCanc	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	504522	3634226	2.63E-07	1.28YrCanc	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	504572	3634226	2.22E-07	1.28YrCanc	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	504622	3634226	1.91E-07	1.28YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	504672	3634226	1.67E-07	1.28YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	504722	3634226	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	502722	3634276	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	502772	3634276	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	502822	3634276	1.84E-07	1.28YrCanc	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	502872	3634276	2.01E-07	1.28YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	502922	3634276	2.19E-07	1.28YrCanc	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

549	ALL	502972	3634276	2.41E-07	1.28YrCanc	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	503022	3634276	2.66E-07	1.28YrCanc	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	503072	3634276	2.96E-07	1.28YrCanc	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	503122	3634276	3.31E-07	1.28YrCanc	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	503172	3634276	3.74E-07	1.28YrCanc	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	503222	3634276	4.25E-07	1.28YrCanc	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	503272	3634276	4.90E-07	1.28YrCanc	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	504122	3634276	1.39E-06	1.28YrCanc	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	504172	3634276	1.15E-06	1.28YrCanc	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	504222	3634276	1.01E-06	1.28YrCanc	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	504272	3634276	8.57E-07	1.28YrCanc	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	504322	3634276	7.08E-07	1.28YrCanc	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	504372	3634276	5.16E-07	1.28YrCanc	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	504422	3634276	3.71E-07	1.28YrCanc	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	504472	3634276	2.98E-07	1.28YrCanc	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	504522	3634276	2.47E-07	1.28YrCanc	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	504572	3634276	2.07E-07	1.28YrCanc	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	504622	3634276	1.79E-07	1.28YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	504672	3634276	1.56E-07	1.28YrCanc	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	504722	3634276	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	502722	3634326	1.58E-07	1.28YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	502772	3634326	1.71E-07	1.28YrCanc	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL	502822	3634326	1.86E-07	1.28YrCanc	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	502872	3634326	2.04E-07	1.28YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	502972	3634326	2.46E-07	1.28YrCanc	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	503022	3634326	2.73E-07	1.28YrCanc	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	503072	3634326	3.04E-07	1.28YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	503122	3634326	3.42E-07	1.28YrCanc	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	503172	3634326	3.88E-07	1.28YrCanc	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	503222	3634326	4.44E-07	1.28YrCanc	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	503272	3634326	5.15E-07	1.28YrCanc	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	504172	3634326	1.26E-06	1.28YrCanc	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	504222	3634326	1.04E-06	1.28YrCanc	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	504272	3634326	8.68E-07	1.28YrCanc	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	504322	3634326	7.16E-07	1.28YrCanc	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	504372	3634326	5.56E-07	1.28YrCanc	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	504422	3634326	3.83E-07	1.28YrCanc	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	504472	3634326	2.96E-07	1.28YrCanc	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	504522	3634326	2.37E-07	1.28YrCanc	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	504572	3634326	1.96E-07	1.28YrCanc	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	504622	3634326	1.68E-07	1.28YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	504672	3634326	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	504722	3634326	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	502722	3634376	1.60E-07	1.28YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	502772	3634376	1.73E-07	1.28YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	502822	3634376	1.88E-07	1.28YrCanc	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	503022	3634376	2.77E-07	1.28YrCanc	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	503072	3634376	3.11E-07	1.28YrCanc	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	503122	3634376	3.50E-07	1.28YrCanc	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	503172	3634376	3.98E-07	1.28YrCanc	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

599	ALL	503222	3634376	4.58E-07	1.28YrCanc	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	503272	3634376	5.35E-07	1.28YrCanc	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	504222	3634376	1.06E-06	1.28YrCanc	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	504272	3634376	8.64E-07	1.28YrCanc	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	504322	3634376	7.22E-07	1.28YrCanc	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	504372	3634376	5.25E-07	1.28YrCanc	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	504422	3634376	3.36E-07	1.28YrCanc	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	504472	3634376	2.60E-07	1.28YrCanc	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	504522	3634376	2.16E-07	1.28YrCanc	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	504572	3634376	1.86E-07	1.28YrCanc	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	504622	3634376	1.63E-07	1.28YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	504672	3634376	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	504722	3634376	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	502722	3634426	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	502772	3634426	1.74E-07	1.28YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	502822	3634426	1.90E-07	1.28YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	ALL	504272	3634426	8.44E-07	1.28YrCanc	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	504322	3634426	7.09E-07	1.28YrCanc	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	504372	3634426	5.45E-07	1.28YrCanc	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	504422	3634426	3.59E-07	1.28YrCanc	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	504472	3634426	2.65E-07	1.28YrCanc	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	504522	3634426	2.19E-07	1.28YrCanc	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	504572	3634426	1.93E-07	1.28YrCanc	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	504622	3634426	1.73E-07	1.28YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	504672	3634426	1.54E-07	1.28YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	504722	3634426	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	502722	3634476	1.63E-07	1.28YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	502772	3634476	1.76E-07	1.28YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	502822	3634476	1.92E-07	1.28YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	504322	3634476	6.86E-07	1.28YrCanc	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	504372	3634476	5.84E-07	1.28YrCanc	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	504422	3634476	4.71E-07	1.28YrCanc	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	504472	3634476	3.33E-07	1.28YrCanc	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	504522	3634476	2.65E-07	1.28YrCanc	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	504572	3634476	2.30E-07	1.28YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	504622	3634476	2.04E-07	1.28YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	504672	3634476	1.72E-07	1.28YrCanc	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	504722	3634476	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	502722	3634526	1.63E-07	1.28YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	502772	3634526	1.77E-07	1.28YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	504372	3634526	5.64E-07	1.28YrCanc	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	504422	3634526	4.87E-07	1.28YrCanc	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	504472	3634526	4.28E-07	1.28YrCanc	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	504522	3634526	3.63E-07	1.28YrCanc	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	504572	3634526	3.10E-07	1.28YrCanc	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	504622	3634526	2.58E-07	1.28YrCanc	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	504672	3634526	2.01E-07	1.28YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	504722	3634526	1.66E-07	1.28YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	502722	3634576	1.62E-07	1.28YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	502772	3634576	1.76E-07	1.28YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

649	ALL	504422	3634576	4.73E-07	1.28YrCanc	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	504472	3634576	4.14E-07	1.28YrCanc	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	504522	3634576	3.67E-07	1.28YrCanc	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	504572	3634576	3.33E-07	1.28YrCanc	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	504622	3634576	2.90E-07	1.28YrCanc	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	504672	3634576	2.41E-07	1.28YrCanc	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	504722	3634576	1.99E-07	1.28YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	502722	3634626	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	502772	3634626	1.74E-07	1.28YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	502822	3634626	1.89E-07	1.28YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	ALL	502872	3634626	2.07E-07	1.28YrCanc	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	502922	3634626	2.26E-07	1.28YrCanc	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	502972	3634626	2.49E-07	1.28YrCanc	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	503022	3634626	2.76E-07	1.28YrCanc	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	503072	3634626	3.07E-07	1.28YrCanc	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	503122	3634626	3.45E-07	1.28YrCanc	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	504472	3634626	4.00E-07	1.28YrCanc	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	504522	3634626	3.55E-07	1.28YrCanc	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	504572	3634626	3.18E-07	1.28YrCanc	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	504622	3634626	2.92E-07	1.28YrCanc	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	504672	3634626	2.66E-07	1.28YrCanc	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	504722	3634626	2.36E-07	1.28YrCanc	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	502722	3634676	1.60E-07	1.28YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	502772	3634676	1.72E-07	1.28YrCanc	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	502822	3634676	1.87E-07	1.28YrCanc	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	502872	3634676	2.03E-07	1.28YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	502922	3634676	2.22E-07	1.28YrCanc	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	502972	3634676	2.44E-07	1.28YrCanc	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	503022	3634676	2.69E-07	1.28YrCanc	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	503072	3634676	2.98E-07	1.28YrCanc	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	503122	3634676	3.34E-07	1.28YrCanc	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	503172	3634676	3.75E-07	1.28YrCanc	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	503222	3634676	4.26E-07	1.28YrCanc	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	503272	3634676	4.87E-07	1.28YrCanc	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	503322	3634676	5.63E-07	1.28YrCanc	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	503372	3634676	6.59E-07	1.28YrCanc	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	503422	3634676	7.82E-07	1.28YrCanc	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	503472	3634676	9.36E-07	1.28YrCanc	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	503522	3634676	1.14E-06	1.28YrCanc	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	504522	3634676	3.43E-07	1.28YrCanc	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	504572	3634676	3.08E-07	1.28YrCanc	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	504622	3634676	2.79E-07	1.28YrCanc	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	504672	3634676	2.55E-07	1.28YrCanc	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	504722	3634676	2.35E-07	1.28YrCanc	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	502722	3634726	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	502772	3634726	1.69E-07	1.28YrCanc	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	502822	3634726	1.83E-07	1.28YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	502872	3634726	1.99E-07	1.28YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	502922	3634726	2.17E-07	1.28YrCanc	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	502972	3634726	2.37E-07	1.28YrCanc	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

699	ALL	503022	3634726	2.61E-07	1.28YrCanc	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	503072	3634726	2.88E-07	1.28YrCanc	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	503122	3634726	3.20E-07	1.28YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	503172	3634726	3.58E-07	1.28YrCanc	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	ALL	503222	3634726	4.03E-07	1.28YrCanc	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	503272	3634726	4.57E-07	1.28YrCanc	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	503322	3634726	5.23E-07	1.28YrCanc	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	503372	3634726	6.03E-07	1.28YrCanc	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	503422	3634726	7.02E-07	1.28YrCanc	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	503472	3634726	8.20E-07	1.28YrCanc	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	503522	3634726	9.65E-07	1.28YrCanc	9.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	503572	3634726	1.14E-06	1.28YrCanc	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	503622	3634726	1.33E-06	1.28YrCanc	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	504572	3634726	2.96E-07	1.28YrCanc	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	504622	3634726	2.68E-07	1.28YrCanc	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	504672	3634726	2.45E-07	1.28YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	504722	3634726	2.26E-07	1.28YrCanc	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	502722	3634776	1.54E-07	1.28YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	502772	3634776	1.66E-07	1.28YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	502822	3634776	1.79E-07	1.28YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	502872	3634776	1.94E-07	1.28YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	502922	3634776	2.10E-07	1.28YrCanc	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	502972	3634776	2.29E-07	1.28YrCanc	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	503022	3634776	2.51E-07	1.28YrCanc	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	503072	3634776	2.76E-07	1.28YrCanc	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	503122	3634776	3.05E-07	1.28YrCanc	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	503172	3634776	3.39E-07	1.28YrCanc	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	503222	3634776	3.79E-07	1.28YrCanc	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	503272	3634776	4.26E-07	1.28YrCanc	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	503322	3634776	4.82E-07	1.28YrCanc	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	503372	3634776	5.48E-07	1.28YrCanc	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	503422	3634776	6.27E-07	1.28YrCanc	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	503472	3634776	7.17E-07	1.28YrCanc	7.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	503522	3634776	8.22E-07	1.28YrCanc	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	503572	3634776	9.39E-07	1.28YrCanc	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	503622	3634776	1.06E-06	1.28YrCanc	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	503672	3634776	1.18E-06	1.28YrCanc	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	503722	3634776	1.28E-06	1.28YrCanc	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	503772	3634776	1.35E-06	1.28YrCanc	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	503822	3634776	1.37E-06	1.28YrCanc	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	504622	3634776	2.58E-07	1.28YrCanc	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	504672	3634776	2.36E-07	1.28YrCanc	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	504722	3634776	2.18E-07	1.28YrCanc	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	502722	3634826	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	502772	3634826	1.62E-07	1.28YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	502822	3634826	1.74E-07	1.28YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	502872	3634826	1.88E-07	1.28YrCanc	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	502922	3634826	2.03E-07	1.28YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	ALL	502972	3634826	2.21E-07	1.28YrCanc	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	503022	3634826	2.41E-07	1.28YrCanc	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

749	ALL	503072	3634826	2.64E-07	1.28YrCanc	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	503122	3634826	2.90E-07	1.28YrCanc	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	503172	3634826	3.20E-07	1.28YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	503222	3634826	3.55E-07	1.28YrCanc	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	503272	3634826	3.96E-07	1.28YrCanc	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	503322	3634826	4.43E-07	1.28YrCanc	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	503372	3634826	4.97E-07	1.28YrCanc	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	503422	3634826	5.58E-07	1.28YrCanc	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	503472	3634826	6.27E-07	1.28YrCanc	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	503522	3634826	7.03E-07	1.28YrCanc	7.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	503572	3634826	7.84E-07	1.28YrCanc	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	503622	3634826	8.64E-07	1.28YrCanc	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	503672	3634826	9.37E-07	1.28YrCanc	9.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	503722	3634826	9.97E-07	1.28YrCanc	9.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	503772	3634826	1.04E-06	1.28YrCanc	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	503822	3634826	1.05E-06	1.28YrCanc	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	503872	3634826	1.04E-06	1.28YrCanc	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	503922	3634826	9.98E-07	1.28YrCanc	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	504672	3634826	2.27E-07	1.28YrCanc	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	504722	3634826	2.09E-07	1.28YrCanc	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	502722	3634876	1.47E-07	1.28YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	502772	3634876	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	502822	3634876	1.68E-07	1.28YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	502872	3634876	1.81E-07	1.28YrCanc	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	502922	3634876	1.96E-07	1.28YrCanc	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	502972	3634876	2.12E-07	1.28YrCanc	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	503022	3634876	2.30E-07	1.28YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	503072	3634876	2.51E-07	1.28YrCanc	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	503122	3634876	2.74E-07	1.28YrCanc	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	503172	3634876	3.01E-07	1.28YrCanc	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	503222	3634876	3.32E-07	1.28YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	503272	3634876	3.66E-07	1.28YrCanc	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	503322	3634876	4.05E-07	1.28YrCanc	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	503372	3634876	4.49E-07	1.28YrCanc	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	503422	3634876	4.98E-07	1.28YrCanc	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	503472	3634876	5.50E-07	1.28YrCanc	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	503522	3634876	6.05E-07	1.28YrCanc	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	503572	3634876	6.62E-07	1.28YrCanc	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	503622	3634876	7.16E-07	1.28YrCanc	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	503672	3634876	7.65E-07	1.28YrCanc	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	503722	3634876	8.02E-07	1.28YrCanc	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	503772	3634876	8.26E-07	1.28YrCanc	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	ALL	503822	3634876	8.35E-07	1.28YrCanc	8.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	503872	3634876	8.28E-07	1.28YrCanc	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	503922	3634876	8.29E-07	1.28YrCanc	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	504722	3634876	2.01E-07	1.28YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	502722	3634926	1.42E-07	1.28YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	502772	3634926	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	502822	3634926	1.63E-07	1.28YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	502872	3634926	1.75E-07	1.28YrCanc	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

799	ALL	502922	3634926	1.88E-07	1.28YrCanc	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	502972	3634926	2.03E-07	1.28YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	503022	3634926	2.20E-07	1.28YrCanc	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	503072	3634926	2.38E-07	1.28YrCanc	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	503122	3634926	2.59E-07	1.28YrCanc	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	503172	3634926	2.83E-07	1.28YrCanc	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	503222	3634926	3.09E-07	1.28YrCanc	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	503272	3634926	3.38E-07	1.28YrCanc	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	503322	3634926	3.71E-07	1.28YrCanc	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	503372	3634926	4.06E-07	1.28YrCanc	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	503422	3634926	4.44E-07	1.28YrCanc	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	503472	3634926	4.85E-07	1.28YrCanc	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	503522	3634926	5.26E-07	1.28YrCanc	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	503572	3634926	5.66E-07	1.28YrCanc	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	503622	3634926	6.05E-07	1.28YrCanc	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	503672	3634926	6.37E-07	1.28YrCanc	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	503722	3634926	6.56E-07	1.28YrCanc	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	503772	3634926	6.75E-07	1.28YrCanc	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	503822	3634926	6.93E-07	1.28YrCanc	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	503872	3634926	7.05E-07	1.28YrCanc	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	502722	3634976	1.38E-07	1.28YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	502772	3634976	1.47E-07	1.28YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	502822	3634976	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	502872	3634976	1.68E-07	1.28YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	502922	3634976	1.80E-07	1.28YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	502972	3634976	1.94E-07	1.28YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	503022	3634976	2.09E-07	1.28YrCanc	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	503072	3634976	2.26E-07	1.28YrCanc	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	503122	3634976	2.45E-07	1.28YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	503172	3634976	2.65E-07	1.28YrCanc	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	503222	3634976	2.88E-07	1.28YrCanc	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	503272	3634976	3.13E-07	1.28YrCanc	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	503322	3634976	3.40E-07	1.28YrCanc	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	503372	3634976	3.68E-07	1.28YrCanc	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	503422	3634976	3.98E-07	1.28YrCanc	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	503472	3634976	4.29E-07	1.28YrCanc	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
835	ALL	503522	3634976	4.60E-07	1.28YrCanc	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	503572	3634976	4.90E-07	1.28YrCanc	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	503622	3634976	5.18E-07	1.28YrCanc	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	503672	3634976	5.41E-07	1.28YrCanc	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	503722	3634976	5.51E-07	1.28YrCanc	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	503772	3634976	5.75E-07	1.28YrCanc	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	503822	3634976	5.90E-07	1.28YrCanc	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	503872	3634976	5.77E-07	1.28YrCanc	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	502722	3635026	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	502772	3635026	1.42E-07	1.28YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	502822	3635026	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	502872	3635026	1.62E-07	1.28YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	502922	3635026	1.73E-07	1.28YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	502972	3635026	1.85E-07	1.28YrCanc	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

849	ALL	503022	3635026	1.99E-07	1.28YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	503072	3635026	2.14E-07	1.28YrCanc	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	503122	3635026	2.30E-07	1.28YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	503172	3635026	2.48E-07	1.28YrCanc	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	503222	3635026	2.68E-07	1.28YrCanc	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	503272	3635026	2.89E-07	1.28YrCanc	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	503322	3635026	3.11E-07	1.28YrCanc	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	503372	3635026	3.34E-07	1.28YrCanc	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	503422	3635026	3.58E-07	1.28YrCanc	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	503472	3635026	3.82E-07	1.28YrCanc	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	503522	3635026	4.06E-07	1.28YrCanc	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	503572	3635026	4.28E-07	1.28YrCanc	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	503622	3635026	4.48E-07	1.28YrCanc	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	503672	3635026	4.63E-07	1.28YrCanc	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	503722	3635026	4.78E-07	1.28YrCanc	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	503772	3635026	4.94E-07	1.28YrCanc	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	503822	3635026	5.05E-07	1.28YrCanc	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	504372	3635026	2.91E-07	1.28YrCanc	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	502722	3635076	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	502772	3635076	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	502822	3635076	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	502872	3635076	1.55E-07	1.28YrCanc	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	502922	3635076	1.66E-07	1.28YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	502972	3635076	1.77E-07	1.28YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	503022	3635076	1.89E-07	1.28YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	503072	3635076	2.02E-07	1.28YrCanc	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	503122	3635076	2.17E-07	1.28YrCanc	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	503172	3635076	2.32E-07	1.28YrCanc	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	503222	3635076	2.49E-07	1.28YrCanc	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	503272	3635076	2.67E-07	1.28YrCanc	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
879	ALL	503322	3635076	2.85E-07	1.28YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	503372	3635076	3.04E-07	1.28YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	503422	3635076	3.23E-07	1.28YrCanc	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	503472	3635076	3.42E-07	1.28YrCanc	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	503522	3635076	3.60E-07	1.28YrCanc	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	503572	3635076	3.77E-07	1.28YrCanc	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	503622	3635076	3.92E-07	1.28YrCanc	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	503672	3635076	4.02E-07	1.28YrCanc	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	503722	3635076	4.14E-07	1.28YrCanc	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	503772	3635076	4.29E-07	1.28YrCanc	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	503822	3635076	4.30E-07	1.28YrCanc	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	504372	3635076	2.69E-07	1.28YrCanc	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	504422	3635076	2.51E-07	1.28YrCanc	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	504472	3635076	2.35E-07	1.28YrCanc	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	504522	3635076	2.20E-07	1.28YrCanc	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	502722	3635126	1.25E-07	1.28YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	502772	3635126	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	502822	3635126	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	502872	3635126	1.49E-07	1.28YrCanc	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	502922	3635126	1.58E-07	1.28YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

899	ALL	502972	3635126	1.69E-07	1.28YrCanc	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	503022	3635126	1.80E-07	1.28YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	503072	3635126	1.91E-07	1.28YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	503122	3635126	2.04E-07	1.28YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	503172	3635126	2.17E-07	1.28YrCanc	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	503222	3635126	2.32E-07	1.28YrCanc	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	503272	3635126	2.46E-07	1.28YrCanc	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	503322	3635126	2.61E-07	1.28YrCanc	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	503372	3635126	2.77E-07	1.28YrCanc	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	503422	3635126	2.92E-07	1.28YrCanc	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	503472	3635126	3.07E-07	1.28YrCanc	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	503522	3635126	3.22E-07	1.28YrCanc	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	503572	3635126	3.33E-07	1.28YrCanc	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	503622	3635126	3.45E-07	1.28YrCanc	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	503672	3635126	3.52E-07	1.28YrCanc	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	503722	3635126	3.69E-07	1.28YrCanc	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	503772	3635126	3.79E-07	1.28YrCanc	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	503822	3635126	3.78E-07	1.28YrCanc	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	504372	3635126	2.49E-07	1.28YrCanc	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	504422	3635126	2.34E-07	1.28YrCanc	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	504472	3635126	2.20E-07	1.28YrCanc	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	504522	3635126	2.06E-07	1.28YrCanc	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	504572	3635126	1.94E-07	1.28YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	502722	3635176	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL	502772	3635176	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	502822	3635176	1.35E-07	1.28YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	502872	3635176	1.43E-07	1.28YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	502922	3635176	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	502972	3635176	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	503022	3635176	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	503072	3635176	1.81E-07	1.28YrCanc	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	503122	3635176	1.92E-07	1.28YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	503172	3635176	2.03E-07	1.28YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	503222	3635176	2.15E-07	1.28YrCanc	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	503272	3635176	2.28E-07	1.28YrCanc	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	503322	3635176	2.40E-07	1.28YrCanc	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	503372	3635176	2.53E-07	1.28YrCanc	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	503422	3635176	2.66E-07	1.28YrCanc	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	503472	3635176	2.78E-07	1.28YrCanc	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	503522	3635176	2.89E-07	1.28YrCanc	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	503572	3635176	2.97E-07	1.28YrCanc	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	503622	3635176	3.06E-07	1.28YrCanc	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	503672	3635176	3.15E-07	1.28YrCanc	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	503722	3635176	3.30E-07	1.28YrCanc	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	503772	3635176	3.31E-07	1.28YrCanc	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	503822	3635176	3.15E-07	1.28YrCanc	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	504372	3635176	2.30E-07	1.28YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	504422	3635176	2.17E-07	1.28YrCanc	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	504472	3635176	2.05E-07	1.28YrCanc	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	504522	3635176	1.94E-07	1.28YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

949	ALL	504572	3635176	1.83E-07	1.28YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	504622	3635176	1.73E-07	1.28YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	502722	3635226	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	502772	3635226	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	502822	3635226	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	502872	3635226	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	502922	3635226	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	502972	3635226	1.53E-07	1.28YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	503022	3635226	1.62E-07	1.28YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	503072	3635226	1.71E-07	1.28YrCanc	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	503122	3635226	1.80E-07	1.28YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	503172	3635226	1.90E-07	1.28YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	503222	3635226	2.01E-07	1.28YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	503272	3635226	2.11E-07	1.28YrCanc	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	503322	3635226	2.22E-07	1.28YrCanc	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	503372	3635226	2.32E-07	1.28YrCanc	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	503422	3635226	2.43E-07	1.28YrCanc	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	503472	3635226	2.52E-07	1.28YrCanc	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL	503522	3635226	2.61E-07	1.28YrCanc	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	503572	3635226	2.67E-07	1.28YrCanc	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	503622	3635226	2.76E-07	1.28YrCanc	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	503672	3635226	2.87E-07	1.28YrCanc	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	504372	3635226	2.13E-07	1.28YrCanc	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	504422	3635226	2.03E-07	1.28YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	504472	3635226	1.92E-07	1.28YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	504522	3635226	1.82E-07	1.28YrCanc	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	504572	3635226	1.73E-07	1.28YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	504622	3635226	1.64E-07	1.28YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	502722	3635276	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	502772	3635276	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	502822	3635276	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	502872	3635276	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	502922	3635276	1.38E-07	1.28YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	502972	3635276	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	503022	3635276	1.53E-07	1.28YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	503072	3635276	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	503122	3635276	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	503172	3635276	1.78E-07	1.28YrCanc	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	503222	3635276	1.87E-07	1.28YrCanc	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	503272	3635276	1.96E-07	1.28YrCanc	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	503322	3635276	2.05E-07	1.28YrCanc	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	503372	3635276	2.14E-07	1.28YrCanc	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	503422	3635276	2.22E-07	1.28YrCanc	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	503472	3635276	2.30E-07	1.28YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	503522	3635276	2.38E-07	1.28YrCanc	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	503572	3635276	2.43E-07	1.28YrCanc	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	503622	3635276	2.48E-07	1.28YrCanc	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	504372	3635276	1.98E-07	1.28YrCanc	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	504422	3635276	1.89E-07	1.28YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	504472	3635276	1.80E-07	1.28YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

999	ALL	504522	3635276	1.72E-07	1.28YrCanc	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	504572	3635276	1.63E-07	1.28YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	504622	3635276	1.55E-07	1.28YrCanc	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	504672	3635276	1.47E-07	1.28YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	502722	3635326	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	502772	3635326	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	502822	3635326	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	502872	3635326	1.25E-07	1.28YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	502922	3635326	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	502972	3635326	1.38E-07	1.28YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	503022	3635326	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	503072	3635326	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1011	ALL	503122	3635326	1.60E-07	1.28YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	503172	3635326	1.67E-07	1.28YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	503222	3635326	1.75E-07	1.28YrCanc	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	503272	3635326	1.82E-07	1.28YrCanc	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	503322	3635326	1.90E-07	1.28YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	503372	3635326	1.97E-07	1.28YrCanc	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	503422	3635326	2.04E-07	1.28YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	503472	3635326	2.11E-07	1.28YrCanc	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	503522	3635326	2.17E-07	1.28YrCanc	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	503572	3635326	2.23E-07	1.28YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	503622	3635326	2.25E-07	1.28YrCanc	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	504372	3635326	1.85E-07	1.28YrCanc	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	504422	3635326	1.77E-07	1.28YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	504472	3635326	1.69E-07	1.28YrCanc	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	504522	3635326	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	504572	3635326	1.54E-07	1.28YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	504622	3635326	1.47E-07	1.28YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	504672	3635326	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029	ALL	504722	3635326	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	502722	3635376	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	502772	3635376	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	502822	3635376	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033	ALL	502872	3635376	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034	ALL	502922	3635376	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	502972	3635376	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	503022	3635376	1.35E-07	1.28YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	503072	3635376	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	503122	3635376	1.50E-07	1.28YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	503172	3635376	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	503222	3635376	1.63E-07	1.28YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	503272	3635376	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	503322	3635376	1.76E-07	1.28YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	503372	3635376	1.82E-07	1.28YrCanc	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	503422	3635376	1.88E-07	1.28YrCanc	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	503472	3635376	1.94E-07	1.28YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	503522	3635376	1.99E-07	1.28YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	503572	3635376	2.04E-07	1.28YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	503622	3635376	2.07E-07	1.28YrCanc	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1049	ALL	503672	3635376	2.11E-07	1.28YrCanc	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	503722	3635376	2.21E-07	1.28YrCanc	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	504372	3635376	1.72E-07	1.28YrCanc	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	504422	3635376	1.65E-07	1.28YrCanc	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	504472	3635376	1.59E-07	1.28YrCanc	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	504522	3635376	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1055	ALL	504572	3635376	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	504622	3635376	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	504672	3635376	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	504722	3635376	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	502722	3635426	9.90E-08	1.28YrCanc	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	502772	3635426	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	502822	3635426	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	502872	3635426	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	502922	3635426	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	502972	3635426	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	503022	3635426	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	503072	3635426	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	503122	3635426	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	503172	3635426	1.47E-07	1.28YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	503222	3635426	1.53E-07	1.28YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	503272	3635426	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	503322	3635426	1.63E-07	1.28YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	503372	3635426	1.69E-07	1.28YrCanc	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	503422	3635426	1.74E-07	1.28YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	503472	3635426	1.78E-07	1.28YrCanc	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	503522	3635426	1.82E-07	1.28YrCanc	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	503572	3635426	1.86E-07	1.28YrCanc	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	503622	3635426	1.89E-07	1.28YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	503672	3635426	1.94E-07	1.28YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	503722	3635426	1.99E-07	1.28YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	503772	3635426	2.03E-07	1.28YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	503822	3635426	2.08E-07	1.28YrCanc	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	504372	3635426	1.62E-07	1.28YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	504422	3635426	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	504472	3635426	1.50E-07	1.28YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	504522	3635426	1.43E-07	1.28YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	504572	3635426	1.38E-07	1.28YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	504622	3635426	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	504672	3635426	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	504722	3635426	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	502722	3635476	9.44E-08	1.28YrCanc	9.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	502772	3635476	9.80E-08	1.28YrCanc	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	502822	3635476	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	502872	3635476	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	502922	3635476	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	502972	3635476	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	503022	3635476	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	503072	3635476	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	503122	3635476	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1099	ALL	503172	3635476	1.38E-07	1.28YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	503222	3635476	1.43E-07	1.28YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	503272	3635476	1.47E-07	1.28YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	503322	3635476	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	503372	3635476	1.56E-07	1.28YrCanc	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	503422	3635476	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	503472	3635476	1.65E-07	1.28YrCanc	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	503522	3635476	1.68E-07	1.28YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	503572	3635476	1.71E-07	1.28YrCanc	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	503622	3635476	1.74E-07	1.28YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	503672	3635476	1.77E-07	1.28YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	503722	3635476	1.79E-07	1.28YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	503772	3635476	1.85E-07	1.28YrCanc	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	503822	3635476	1.87E-07	1.28YrCanc	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	503872	3635476	1.88E-07	1.28YrCanc	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	503922	3635476	1.90E-07	1.28YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	504372	3635476	1.50E-07	1.28YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	504422	3635476	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	504472	3635476	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	504522	3635476	1.35E-07	1.28YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	504572	3635476	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	504622	3635476	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121	ALL	504672	3635476	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	504722	3635476	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	502222	3632976	4.98E-08	1.28YrCanc	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124	ALL	502272	3632976	5.12E-08	1.28YrCanc	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	502322	3632976	5.26E-08	1.28YrCanc	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	502372	3632976	5.41E-08	1.28YrCanc	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127	ALL	502422	3632976	5.57E-08	1.28YrCanc	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128	ALL	502472	3632976	5.72E-08	1.28YrCanc	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	502522	3632976	5.88E-08	1.28YrCanc	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	502572	3632976	6.05E-08	1.28YrCanc	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	502622	3632976	6.22E-08	1.28YrCanc	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	502672	3632976	6.39E-08	1.28YrCanc	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	502722	3632976	6.56E-08	1.28YrCanc	6.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	502772	3632976	6.72E-08	1.28YrCanc	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	502822	3632976	5.86E-08	1.28YrCanc	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	502872	3632976	5.10E-08	1.28YrCanc	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	502922	3632976	5.20E-08	1.28YrCanc	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	502972	3632976	3.75E-08	1.28YrCanc	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	503022	3632976	3.79E-08	1.28YrCanc	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	503072	3632976	4.44E-08	1.28YrCanc	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	503122	3632976	5.20E-08	1.28YrCanc	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	503172	3632976	5.86E-08	1.28YrCanc	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1143	ALL	503222	3632976	6.21E-08	1.28YrCanc	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	503272	3632976	6.31E-08	1.28YrCanc	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	503322	3632976	6.31E-08	1.28YrCanc	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	503372	3632976	6.37E-08	1.28YrCanc	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	503422	3632976	6.14E-08	1.28YrCanc	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	503472	3632976	6.07E-08	1.28YrCanc	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1149	ALL	503622	3632976	5.62E-08	1.28YrCanc	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	503672	3632976	5.42E-08	1.28YrCanc	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	503722	3632976	5.21E-08	1.28YrCanc	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	503772	3632976	4.93E-08	1.28YrCanc	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	503822	3632976	4.29E-08	1.28YrCanc	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	503872	3632976	3.82E-08	1.28YrCanc	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	503922	3632976	3.69E-08	1.28YrCanc	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	503972	3632976	3.70E-08	1.28YrCanc	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	504022	3632976	3.67E-08	1.28YrCanc	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	504072	3632976	3.71E-08	1.28YrCanc	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	504122	3632976	3.67E-08	1.28YrCanc	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	504172	3632976	3.70E-08	1.28YrCanc	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	504222	3632976	3.71E-08	1.28YrCanc	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	504272	3632976	3.72E-08	1.28YrCanc	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	504322	3632976	3.71E-08	1.28YrCanc	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	504372	3632976	3.67E-08	1.28YrCanc	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	504422	3632976	3.65E-08	1.28YrCanc	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	504472	3632976	3.64E-08	1.28YrCanc	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	504522	3632976	3.65E-08	1.28YrCanc	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	504572	3632976	3.65E-08	1.28YrCanc	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	504622	3632976	3.65E-08	1.28YrCanc	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	504672	3632976	3.66E-08	1.28YrCanc	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	504722	3632976	3.69E-08	1.28YrCanc	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	504772	3632976	3.71E-08	1.28YrCanc	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	504822	3632976	3.72E-08	1.28YrCanc	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	504872	3632976	3.73E-08	1.28YrCanc	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	504922	3632976	3.75E-08	1.28YrCanc	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	504972	3632976	3.76E-08	1.28YrCanc	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	505022	3632976	3.75E-08	1.28YrCanc	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	505072	3632976	3.75E-08	1.28YrCanc	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	505122	3632976	3.76E-08	1.28YrCanc	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	505172	3632976	3.79E-08	1.28YrCanc	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	505222	3632976	3.83E-08	1.28YrCanc	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	502222	3633026	5.11E-08	1.28YrCanc	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	502272	3633026	5.26E-08	1.28YrCanc	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	502322	3633026	5.41E-08	1.28YrCanc	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	502372	3633026	5.57E-08	1.28YrCanc	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	502422	3633026	5.73E-08	1.28YrCanc	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1187	ALL	502472	3633026	5.90E-08	1.28YrCanc	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	502522	3633026	6.07E-08	1.28YrCanc	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	502572	3633026	6.25E-08	1.28YrCanc	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	502622	3633026	6.43E-08	1.28YrCanc	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	502672	3633026	6.62E-08	1.28YrCanc	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	502722	3633026	6.80E-08	1.28YrCanc	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	502772	3633026	6.99E-08	1.28YrCanc	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	502822	3633026	6.01E-08	1.28YrCanc	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	502872	3633026	5.69E-08	1.28YrCanc	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	502922	3633026	5.40E-08	1.28YrCanc	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	502972	3633026	3.91E-08	1.28YrCanc	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	503022	3633026	4.20E-08	1.28YrCanc	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1199	ALL	503072	3633026	5.12E-08	1.28YrCanc	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	503122	3633026	6.00E-08	1.28YrCanc	6.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	503172	3633026	6.37E-08	1.28YrCanc	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	503222	3633026	6.78E-08	1.28YrCanc	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	503272	3633026	6.79E-08	1.28YrCanc	6.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	503322	3633026	6.87E-08	1.28YrCanc	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	503372	3633026	6.74E-08	1.28YrCanc	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	503422	3633026	6.27E-08	1.28YrCanc	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	503472	3633026	6.38E-08	1.28YrCanc	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	503622	3633026	5.81E-08	1.28YrCanc	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	503672	3633026	5.68E-08	1.28YrCanc	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	503722	3633026	5.58E-08	1.28YrCanc	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	503772	3633026	4.89E-08	1.28YrCanc	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	503822	3633026	4.26E-08	1.28YrCanc	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	503872	3633026	3.91E-08	1.28YrCanc	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	503922	3633026	3.82E-08	1.28YrCanc	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	503972	3633026	3.83E-08	1.28YrCanc	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	504022	3633026	3.84E-08	1.28YrCanc	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	504072	3633026	3.85E-08	1.28YrCanc	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	504122	3633026	3.86E-08	1.28YrCanc	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	504172	3633026	3.89E-08	1.28YrCanc	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	504222	3633026	3.91E-08	1.28YrCanc	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	504272	3633026	3.91E-08	1.28YrCanc	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	504322	3633026	3.90E-08	1.28YrCanc	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	504372	3633026	3.87E-08	1.28YrCanc	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	504422	3633026	3.85E-08	1.28YrCanc	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	504472	3633026	3.84E-08	1.28YrCanc	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	504522	3633026	3.83E-08	1.28YrCanc	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	504572	3633026	3.84E-08	1.28YrCanc	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	504622	3633026	3.85E-08	1.28YrCanc	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	504672	3633026	3.87E-08	1.28YrCanc	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	504722	3633026	3.89E-08	1.28YrCanc	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1231	ALL	504772	3633026	3.92E-08	1.28YrCanc	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	504822	3633026	3.94E-08	1.28YrCanc	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	504872	3633026	3.97E-08	1.28YrCanc	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	504922	3633026	3.98E-08	1.28YrCanc	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	504972	3633026	3.98E-08	1.28YrCanc	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	505022	3633026	3.97E-08	1.28YrCanc	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	505072	3633026	3.97E-08	1.28YrCanc	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	505122	3633026	3.98E-08	1.28YrCanc	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	505172	3633026	4.02E-08	1.28YrCanc	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	505222	3633026	4.08E-08	1.28YrCanc	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	502222	3633076	5.24E-08	1.28YrCanc	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	502272	3633076	5.40E-08	1.28YrCanc	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	502322	3633076	5.57E-08	1.28YrCanc	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	502372	3633076	5.73E-08	1.28YrCanc	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	502422	3633076	5.91E-08	1.28YrCanc	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	502472	3633076	6.09E-08	1.28YrCanc	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	502522	3633076	6.27E-08	1.28YrCanc	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	502572	3633076	6.46E-08	1.28YrCanc	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1249	ALL	502622	3633076	6.66E-08	1.28YrCanc	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	502672	3633076	6.86E-08	1.28YrCanc	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	502722	3633076	7.06E-08	1.28YrCanc	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	502772	3633076	7.27E-08	1.28YrCanc	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	502822	3633076	6.62E-08	1.28YrCanc	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	502872	3633076	6.33E-08	1.28YrCanc	6.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	502922	3633076	6.05E-08	1.28YrCanc	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	502972	3633076	5.44E-08	1.28YrCanc	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	503022	3633076	5.79E-08	1.28YrCanc	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	503072	3633076	6.04E-08	1.28YrCanc	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	503122	3633076	6.57E-08	1.28YrCanc	6.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	503172	3633076	6.93E-08	1.28YrCanc	6.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	503222	3633076	7.46E-08	1.28YrCanc	7.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	503272	3633076	7.30E-08	1.28YrCanc	7.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	503322	3633076	7.22E-08	1.28YrCanc	7.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	503372	3633076	7.06E-08	1.28YrCanc	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	503422	3633076	6.63E-08	1.28YrCanc	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	503472	3633076	6.75E-08	1.28YrCanc	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	503622	3633076	6.04E-08	1.28YrCanc	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	503672	3633076	5.82E-08	1.28YrCanc	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	503722	3633076	5.68E-08	1.28YrCanc	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	503772	3633076	4.96E-08	1.28YrCanc	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	503822	3633076	4.32E-08	1.28YrCanc	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	503872	3633076	4.01E-08	1.28YrCanc	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	503922	3633076	4.01E-08	1.28YrCanc	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	503972	3633076	4.06E-08	1.28YrCanc	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1275	ALL	504022	3633076	4.05E-08	1.28YrCanc	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	504072	3633076	4.07E-08	1.28YrCanc	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	504122	3633076	4.09E-08	1.28YrCanc	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	504172	3633076	4.11E-08	1.28YrCanc	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	504222	3633076	4.13E-08	1.28YrCanc	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	504272	3633076	4.13E-08	1.28YrCanc	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	504322	3633076	4.13E-08	1.28YrCanc	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	504372	3633076	4.09E-08	1.28YrCanc	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	504422	3633076	4.08E-08	1.28YrCanc	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284	ALL	504472	3633076	4.06E-08	1.28YrCanc	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	504522	3633076	4.05E-08	1.28YrCanc	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	504572	3633076	4.06E-08	1.28YrCanc	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	504622	3633076	4.08E-08	1.28YrCanc	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	504672	3633076	4.10E-08	1.28YrCanc	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	504722	3633076	4.13E-08	1.28YrCanc	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	504772	3633076	4.17E-08	1.28YrCanc	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	504822	3633076	4.19E-08	1.28YrCanc	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	504872	3633076	4.22E-08	1.28YrCanc	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293	ALL	504922	3633076	4.25E-08	1.28YrCanc	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	504972	3633076	4.23E-08	1.28YrCanc	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	505022	3633076	4.21E-08	1.28YrCanc	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	505072	3633076	4.21E-08	1.28YrCanc	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	505122	3633076	4.23E-08	1.28YrCanc	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	505172	3633076	4.27E-08	1.28YrCanc	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1299	ALL	505222	3633076	4.32E-08	1.28YrCanc	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1300	ALL	502222	3633126	5.38E-08	1.28YrCanc	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1301	ALL	502272	3633126	5.55E-08	1.28YrCanc	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1302	ALL	502322	3633126	5.72E-08	1.28YrCanc	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1303	ALL	502372	3633126	5.90E-08	1.28YrCanc	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1304	ALL	502422	3633126	6.09E-08	1.28YrCanc	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1305	ALL	502472	3633126	6.28E-08	1.28YrCanc	6.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1306	ALL	502522	3633126	6.48E-08	1.28YrCanc	6.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1307	ALL	502572	3633126	6.68E-08	1.28YrCanc	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1308	ALL	502622	3633126	6.89E-08	1.28YrCanc	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1309	ALL	502672	3633126	7.11E-08	1.28YrCanc	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1310	ALL	502722	3633126	7.33E-08	1.28YrCanc	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1311	ALL	502772	3633126	7.55E-08	1.28YrCanc	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1312	ALL	502822	3633126	7.78E-08	1.28YrCanc	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1313	ALL	502872	3633126	6.97E-08	1.28YrCanc	6.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1314	ALL	502922	3633126	6.89E-08	1.28YrCanc	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1315	ALL	502972	3633126	6.55E-08	1.28YrCanc	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1316	ALL	503022	3633126	6.46E-08	1.28YrCanc	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1317	ALL	503072	3633126	6.82E-08	1.28YrCanc	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1318	ALL	503122	3633126	7.19E-08	1.28YrCanc	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1319	ALL	503172	3633126	7.65E-08	1.28YrCanc	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1320	ALL	503222	3633126	7.97E-08	1.28YrCanc	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1321	ALL	503272	3633126	7.92E-08	1.28YrCanc	7.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1322	ALL	503322	3633126	7.97E-08	1.28YrCanc	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1323	ALL	503372	3633126	7.55E-08	1.28YrCanc	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1324	ALL	503422	3633126	6.99E-08	1.28YrCanc	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1325	ALL	503472	3633126	7.12E-08	1.28YrCanc	7.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1326	ALL	503622	3633126	6.25E-08	1.28YrCanc	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1327	ALL	503672	3633126	5.90E-08	1.28YrCanc	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1328	ALL	503722	3633126	5.76E-08	1.28YrCanc	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1329	ALL	503772	3633126	4.90E-08	1.28YrCanc	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1330	ALL	503822	3633126	4.41E-08	1.28YrCanc	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1331	ALL	503872	3633126	4.21E-08	1.28YrCanc	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1332	ALL	503922	3633126	4.24E-08	1.28YrCanc	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1333	ALL	503972	3633126	4.30E-08	1.28YrCanc	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1334	ALL	504022	3633126	4.27E-08	1.28YrCanc	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1335	ALL	504072	3633126	4.32E-08	1.28YrCanc	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1336	ALL	504122	3633126	4.36E-08	1.28YrCanc	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1337	ALL	504172	3633126	4.38E-08	1.28YrCanc	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1338	ALL	504222	3633126	4.39E-08	1.28YrCanc	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1339	ALL	504272	3633126	4.40E-08	1.28YrCanc	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1340	ALL	504322	3633126	4.38E-08	1.28YrCanc	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1341	ALL	504372	3633126	4.36E-08	1.28YrCanc	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1342	ALL	504422	3633126	4.34E-08	1.28YrCanc	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1343	ALL	504472	3633126	4.31E-08	1.28YrCanc	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1344	ALL	504522	3633126	4.30E-08	1.28YrCanc	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1345	ALL	504572	3633126	4.32E-08	1.28YrCanc	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1346	ALL	504622	3633126	4.34E-08	1.28YrCanc	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1347	ALL	504672	3633126	4.37E-08	1.28YrCanc	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1348	ALL	504722	3633126	4.41E-08	1.28YrCanc	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1349	ALL	504772	3633126	4.44E-08	1.28YrCanc	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1350	ALL	504822	3633126	4.46E-08	1.28YrCanc	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1351	ALL	504872	3633126	4.50E-08	1.28YrCanc	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1352	ALL	504922	3633126	4.56E-08	1.28YrCanc	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1353	ALL	504972	3633126	4.53E-08	1.28YrCanc	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1354	ALL	505022	3633126	4.49E-08	1.28YrCanc	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1355	ALL	505072	3633126	4.48E-08	1.28YrCanc	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1356	ALL	505122	3633126	4.49E-08	1.28YrCanc	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1357	ALL	505172	3633126	4.52E-08	1.28YrCanc	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1358	ALL	505222	3633126	4.58E-08	1.28YrCanc	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1359	ALL	502222	3633176	5.52E-08	1.28YrCanc	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1360	ALL	502272	3633176	5.70E-08	1.28YrCanc	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1361	ALL	502322	3633176	5.88E-08	1.28YrCanc	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1362	ALL	502372	3633176	6.08E-08	1.28YrCanc	6.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1363	ALL	502422	3633176	6.27E-08	1.28YrCanc	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1364	ALL	502472	3633176	6.48E-08	1.28YrCanc	6.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1365	ALL	502522	3633176	6.69E-08	1.28YrCanc	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1366	ALL	502572	3633176	6.91E-08	1.28YrCanc	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1367	ALL	502622	3633176	7.14E-08	1.28YrCanc	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1368	ALL	502672	3633176	7.37E-08	1.28YrCanc	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1369	ALL	502722	3633176	7.60E-08	1.28YrCanc	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1370	ALL	502772	3633176	7.63E-08	1.28YrCanc	7.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1371	ALL	502822	3633176	7.15E-08	1.28YrCanc	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1372	ALL	502872	3633176	8.00E-08	1.28YrCanc	8.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1373	ALL	502922	3633176	7.54E-08	1.28YrCanc	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1374	ALL	502972	3633176	7.69E-08	1.28YrCanc	7.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1375	ALL	503022	3633176	7.61E-08	1.28YrCanc	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1376	ALL	503072	3633176	7.91E-08	1.28YrCanc	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1377	ALL	503122	3633176	7.97E-08	1.28YrCanc	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1378	ALL	503172	3633176	8.46E-08	1.28YrCanc	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1379	ALL	503222	3633176	8.35E-08	1.28YrCanc	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1380	ALL	503272	3633176	8.28E-08	1.28YrCanc	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1381	ALL	503322	3633176	8.38E-08	1.28YrCanc	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1382	ALL	503372	3633176	7.91E-08	1.28YrCanc	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1383	ALL	503422	3633176	7.48E-08	1.28YrCanc	7.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1384	ALL	503472	3633176	7.45E-08	1.28YrCanc	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1385	ALL	503622	3633176	6.22E-08	1.28YrCanc	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1386	ALL	503672	3633176	6.14E-08	1.28YrCanc	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1387	ALL	503722	3633176	5.64E-08	1.28YrCanc	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1388	ALL	503772	3633176	4.89E-08	1.28YrCanc	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1389	ALL	503822	3633176	4.53E-08	1.28YrCanc	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1390	ALL	503872	3633176	4.42E-08	1.28YrCanc	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1391	ALL	503922	3633176	4.51E-08	1.28YrCanc	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1392	ALL	503972	3633176	4.58E-08	1.28YrCanc	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1393	ALL	504022	3633176	4.55E-08	1.28YrCanc	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1394	ALL	504072	3633176	4.61E-08	1.28YrCanc	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1395	ALL	504122	3633176	4.67E-08	1.28YrCanc	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1396	ALL	504172	3633176	4.72E-08	1.28YrCanc	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1397	ALL	504222	3633176	4.72E-08	1.28YrCanc	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1398	ALL	504272	3633176	4.70E-08	1.28YrCanc	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1399	ALL	504322	3633176	4.68E-08	1.28YrCanc	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1400	ALL	504372	3633176	4.70E-08	1.28YrCanc	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1401	ALL	504422	3633176	4.65E-08	1.28YrCanc	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1402	ALL	504472	3633176	4.60E-08	1.28YrCanc	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1403	ALL	504522	3633176	4.59E-08	1.28YrCanc	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1404	ALL	504572	3633176	4.61E-08	1.28YrCanc	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1405	ALL	504622	3633176	4.65E-08	1.28YrCanc	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1406	ALL	504672	3633176	4.69E-08	1.28YrCanc	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1407	ALL	504722	3633176	4.72E-08	1.28YrCanc	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1408	ALL	504772	3633176	4.75E-08	1.28YrCanc	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1409	ALL	504822	3633176	4.77E-08	1.28YrCanc	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1410	ALL	504872	3633176	4.81E-08	1.28YrCanc	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1411	ALL	504922	3633176	4.91E-08	1.28YrCanc	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1412	ALL	504972	3633176	4.84E-08	1.28YrCanc	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1413	ALL	505022	3633176	4.78E-08	1.28YrCanc	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1414	ALL	505072	3633176	4.77E-08	1.28YrCanc	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1415	ALL	505122	3633176	4.78E-08	1.28YrCanc	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1416	ALL	505172	3633176	4.79E-08	1.28YrCanc	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1417	ALL	505222	3633176	4.82E-08	1.28YrCanc	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1418	ALL	502222	3633226	5.67E-08	1.28YrCanc	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1419	ALL	502272	3633226	5.86E-08	1.28YrCanc	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1420	ALL	502322	3633226	6.05E-08	1.28YrCanc	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1421	ALL	502372	3633226	6.26E-08	1.28YrCanc	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1422	ALL	502422	3633226	6.47E-08	1.28YrCanc	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1423	ALL	502472	3633226	6.68E-08	1.28YrCanc	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1424	ALL	502522	3633226	6.91E-08	1.28YrCanc	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1425	ALL	502572	3633226	7.15E-08	1.28YrCanc	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1426	ALL	502622	3633226	7.39E-08	1.28YrCanc	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1427	ALL	502672	3633226	7.64E-08	1.28YrCanc	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1428	ALL	502722	3633226	7.89E-08	1.28YrCanc	7.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1429	ALL	502772	3633226	8.15E-08	1.28YrCanc	8.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1430	ALL	502822	3633226	7.98E-08	1.28YrCanc	7.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1431	ALL	502872	3633226	7.98E-08	1.28YrCanc	7.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1432	ALL	502922	3633226	8.34E-08	1.28YrCanc	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1433	ALL	502972	3633226	8.65E-08	1.28YrCanc	8.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1434	ALL	503022	3633226	8.48E-08	1.28YrCanc	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1435	ALL	503072	3633226	8.74E-08	1.28YrCanc	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1436	ALL	503122	3633226	9.14E-08	1.28YrCanc	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1437	ALL	503172	3633226	9.10E-08	1.28YrCanc	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1438	ALL	503222	3633226	8.97E-08	1.28YrCanc	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1439	ALL	503272	3633226	8.89E-08	1.28YrCanc	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1440	ALL	503322	3633226	8.69E-08	1.28YrCanc	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1441	ALL	503372	3633226	8.12E-08	1.28YrCanc	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1442	ALL	503422	3633226	7.94E-08	1.28YrCanc	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1443	ALL	503472	3633226	7.69E-08	1.28YrCanc	7.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1444	ALL	503622	3633226	6.59E-08	1.28YrCanc	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1445	ALL	503672	3633226	6.30E-08	1.28YrCanc	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1446	ALL	503722	3633226	5.67E-08	1.28YrCanc	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1447	ALL	503772	3633226	5.12E-08	1.28YrCanc	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1448	ALL	503822	3633226	4.73E-08	1.28YrCanc	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1449	ALL	503872	3633226	4.72E-08	1.28YrCanc	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1450	ALL	503922	3633226	4.79E-08	1.28YrCanc	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1451	ALL	503972	3633226	4.88E-08	1.28YrCanc	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1452	ALL	504022	3633226	4.92E-08	1.28YrCanc	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1453	ALL	504072	3633226	4.99E-08	1.28YrCanc	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1454	ALL	504122	3633226	5.07E-08	1.28YrCanc	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1455	ALL	504172	3633226	5.12E-08	1.28YrCanc	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1456	ALL	504222	3633226	5.03E-08	1.28YrCanc	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1457	ALL	504272	3633226	5.01E-08	1.28YrCanc	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1458	ALL	504322	3633226	5.06E-08	1.28YrCanc	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1459	ALL	504372	3633226	5.09E-08	1.28YrCanc	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1460	ALL	504422	3633226	4.99E-08	1.28YrCanc	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1461	ALL	504472	3633226	4.94E-08	1.28YrCanc	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1462	ALL	504522	3633226	4.93E-08	1.28YrCanc	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1463	ALL	504572	3633226	4.95E-08	1.28YrCanc	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1464	ALL	504622	3633226	5.00E-08	1.28YrCanc	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1465	ALL	504672	3633226	5.06E-08	1.28YrCanc	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1466	ALL	504722	3633226	5.10E-08	1.28YrCanc	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1467	ALL	504772	3633226	5.11E-08	1.28YrCanc	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1468	ALL	504822	3633226	5.15E-08	1.28YrCanc	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1469	ALL	504872	3633226	5.19E-08	1.28YrCanc	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1470	ALL	504922	3633226	5.28E-08	1.28YrCanc	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1471	ALL	504972	3633226	5.20E-08	1.28YrCanc	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1472	ALL	505022	3633226	5.13E-08	1.28YrCanc	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1473	ALL	505072	3633226	5.11E-08	1.28YrCanc	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1474	ALL	505122	3633226	5.09E-08	1.28YrCanc	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1475	ALL	505172	3633226	5.05E-08	1.28YrCanc	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1476	ALL	505222	3633226	5.06E-08	1.28YrCanc	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1477	ALL	502222	3633276	5.82E-08	1.28YrCanc	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1478	ALL	502272	3633276	6.01E-08	1.28YrCanc	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1479	ALL	502322	3633276	6.22E-08	1.28YrCanc	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1480	ALL	502372	3633276	6.44E-08	1.28YrCanc	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1481	ALL	502422	3633276	6.66E-08	1.28YrCanc	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1482	ALL	502472	3633276	6.90E-08	1.28YrCanc	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1483	ALL	502522	3633276	7.14E-08	1.28YrCanc	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1484	ALL	502572	3633276	7.39E-08	1.28YrCanc	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1485	ALL	502622	3633276	7.65E-08	1.28YrCanc	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1486	ALL	502672	3633276	7.92E-08	1.28YrCanc	7.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1487	ALL	502722	3633276	8.20E-08	1.28YrCanc	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1488	ALL	502772	3633276	8.48E-08	1.28YrCanc	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1489	ALL	502822	3633276	7.33E-08	1.28YrCanc	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1490	ALL	502872	3633276	8.32E-08	1.28YrCanc	8.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1491	ALL	502922	3633276	9.14E-08	1.28YrCanc	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1492	ALL	502972	3633276	9.46E-08	1.28YrCanc	9.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1493	ALL	503022	3633276	9.19E-08	1.28YrCanc	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1494	ALL	503072	3633276	9.78E-08	1.28YrCanc	9.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1495	ALL	503122	3633276	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1496	ALL	503172	3633276	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1497	ALL	503222	3633276	9.83E-08	1.28YrCanc	9.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1498	ALL	503272	3633276	9.19E-08	1.28YrCanc	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1499	ALL	503322	3633276	9.18E-08	1.28YrCanc	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1500	ALL	503372	3633276	8.68E-08	1.28YrCanc	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1501	ALL	503422	3633276	8.34E-08	1.28YrCanc	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1502	ALL	503472	3633276	6.41E-08	1.28YrCanc	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1503	ALL	503622	3633276	6.61E-08	1.28YrCanc	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1504	ALL	503672	3633276	6.37E-08	1.28YrCanc	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1505	ALL	503722	3633276	5.71E-08	1.28YrCanc	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1506	ALL	503772	3633276	5.24E-08	1.28YrCanc	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1507	ALL	503822	3633276	4.97E-08	1.28YrCanc	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1508	ALL	503872	3633276	5.03E-08	1.28YrCanc	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1509	ALL	503922	3633276	5.18E-08	1.28YrCanc	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1510	ALL	503972	3633276	5.42E-08	1.28YrCanc	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1511	ALL	504022	3633276	5.46E-08	1.28YrCanc	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1512	ALL	504072	3633276	5.47E-08	1.28YrCanc	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1513	ALL	504122	3633276	5.58E-08	1.28YrCanc	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1514	ALL	504172	3633276	5.51E-08	1.28YrCanc	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1515	ALL	504222	3633276	5.41E-08	1.28YrCanc	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1516	ALL	504272	3633276	5.40E-08	1.28YrCanc	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1517	ALL	504322	3633276	5.50E-08	1.28YrCanc	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1518	ALL	504372	3633276	5.59E-08	1.28YrCanc	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1519	ALL	504422	3633276	5.45E-08	1.28YrCanc	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1520	ALL	504472	3633276	5.35E-08	1.28YrCanc	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1521	ALL	504522	3633276	5.33E-08	1.28YrCanc	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1522	ALL	504572	3633276	5.35E-08	1.28YrCanc	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1523	ALL	504622	3633276	5.42E-08	1.28YrCanc	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1524	ALL	504672	3633276	5.50E-08	1.28YrCanc	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1525	ALL	504722	3633276	5.51E-08	1.28YrCanc	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1526	ALL	504772	3633276	5.47E-08	1.28YrCanc	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1527	ALL	504822	3633276	5.53E-08	1.28YrCanc	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1528	ALL	504872	3633276	5.62E-08	1.28YrCanc	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1529	ALL	504922	3633276	5.72E-08	1.28YrCanc	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1530	ALL	504972	3633276	5.64E-08	1.28YrCanc	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1531	ALL	505022	3633276	5.55E-08	1.28YrCanc	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1532	ALL	505072	3633276	5.52E-08	1.28YrCanc	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1533	ALL	505122	3633276	5.45E-08	1.28YrCanc	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1534	ALL	505172	3633276	5.35E-08	1.28YrCanc	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1535	ALL	505222	3633276	5.33E-08	1.28YrCanc	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1536	ALL	502222	3633326	5.97E-08	1.28YrCanc	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1537	ALL	502272	3633326	6.18E-08	1.28YrCanc	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1538	ALL	502322	3633326	6.40E-08	1.28YrCanc	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1539	ALL	502372	3633326	6.63E-08	1.28YrCanc	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1540	ALL	502422	3633326	6.86E-08	1.28YrCanc	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1541	ALL	502472	3633326	7.11E-08	1.28YrCanc	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1542	ALL	502522	3633326	7.37E-08	1.28YrCanc	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1543	ALL	502572	3633326	7.65E-08	1.28YrCanc	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1544	ALL	502622	3633326	7.93E-08	1.28YrCanc	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1545	ALL	502672	3633326	8.22E-08	1.28YrCanc	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1546	ALL	502722	3633326	8.53E-08	1.28YrCanc	8.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1547	ALL	502772	3633326	8.74E-08	1.28YrCanc	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1548	ALL	502822	3633326	8.69E-08	1.28YrCanc	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1549	ALL	502872	3633326	9.50E-08	1.28YrCanc	9.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1550	ALL	502922	3633326	9.83E-08	1.28YrCanc	9.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1551	ALL	502972	3633326	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1552	ALL	503022	3633326	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1553	ALL	503072	3633326	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1554	ALL	503122	3633326	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1555	ALL	503172	3633326	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1556	ALL	503222	3633326	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1557	ALL	503272	3633326	9.65E-08	1.28YrCanc	9.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1558	ALL	503322	3633326	9.61E-08	1.28YrCanc	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1559	ALL	503372	3633326	9.07E-08	1.28YrCanc	9.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1560	ALL	503422	3633326	7.61E-08	1.28YrCanc	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1561	ALL	503472	3633326	6.07E-08	1.28YrCanc	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1562	ALL	503622	3633326	6.63E-08	1.28YrCanc	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1563	ALL	503672	3633326	6.39E-08	1.28YrCanc	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1564	ALL	503722	3633326	5.70E-08	1.28YrCanc	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1565	ALL	503772	3633326	5.51E-08	1.28YrCanc	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1566	ALL	503822	3633326	5.36E-08	1.28YrCanc	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1567	ALL	503872	3633326	5.42E-08	1.28YrCanc	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1568	ALL	503922	3633326	5.75E-08	1.28YrCanc	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1569	ALL	503972	3633326	6.15E-08	1.28YrCanc	6.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1570	ALL	504022	3633326	6.13E-08	1.28YrCanc	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1571	ALL	504072	3633326	6.05E-08	1.28YrCanc	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1572	ALL	504122	3633326	6.23E-08	1.28YrCanc	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1573	ALL	504172	3633326	5.99E-08	1.28YrCanc	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1574	ALL	504222	3633326	5.84E-08	1.28YrCanc	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1575	ALL	504272	3633326	5.90E-08	1.28YrCanc	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1576	ALL	504322	3633326	6.12E-08	1.28YrCanc	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1577	ALL	504372	3633326	6.22E-08	1.28YrCanc	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1578	ALL	504422	3633326	5.99E-08	1.28YrCanc	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1579	ALL	504472	3633326	5.84E-08	1.28YrCanc	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1580	ALL	504522	3633326	5.79E-08	1.28YrCanc	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1581	ALL	504572	3633326	5.83E-08	1.28YrCanc	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1582	ALL	504622	3633326	5.91E-08	1.28YrCanc	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1583	ALL	504672	3633326	6.02E-08	1.28YrCanc	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1584	ALL	504722	3633326	6.00E-08	1.28YrCanc	6.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1585	ALL	504772	3633326	5.91E-08	1.28YrCanc	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1586	ALL	504822	3633326	5.94E-08	1.28YrCanc	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1587	ALL	504872	3633326	6.12E-08	1.28YrCanc	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1588	ALL	504922	3633326	6.23E-08	1.28YrCanc	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1589	ALL	504972	3633326	6.14E-08	1.28YrCanc	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1590	ALL	505022	3633326	6.05E-08	1.28YrCanc	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1591	ALL	505072	3633326	6.00E-08	1.28YrCanc	6.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1592	ALL	505122	3633326	5.81E-08	1.28YrCanc	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1593	ALL	505172	3633326	5.67E-08	1.28YrCanc	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1594	ALL	505222	3633326	5.65E-08	1.28YrCanc	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1595	ALL	502222	3633376	6.12E-08	1.28YrCanc	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1596	ALL	502272	3633376	6.34E-08	1.28YrCanc	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1597	ALL	502322	3633376	6.57E-08	1.28YrCanc	6.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1598	ALL	502372	3633376	6.82E-08	1.28YrCanc	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1599	ALL	502422	3633376	7.07E-08	1.28YrCanc	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1600	ALL	502472	3633376	7.34E-08	1.28YrCanc	7.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1601	ALL	502522	3633376	7.62E-08	1.28YrCanc	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1602	ALL	502572	3633376	7.91E-08	1.28YrCanc	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1603	ALL	502622	3633376	8.21E-08	1.28YrCanc	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1604	ALL	502672	3633376	8.53E-08	1.28YrCanc	8.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1605	ALL	502722	3633376	8.86E-08	1.28YrCanc	8.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1606	ALL	502772	3633376	9.20E-08	1.28YrCanc	9.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1607	ALL	502822	3633376	9.56E-08	1.28YrCanc	9.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1608	ALL	502872	3633376	9.93E-08	1.28YrCanc	9.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1609	ALL	502922	3633376	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1610	ALL	502972	3633376	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1611	ALL	503022	3633376	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1612	ALL	503072	3633376	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1613	ALL	503122	3633376	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1614	ALL	503172	3633376	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1615	ALL	503222	3633376	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1616	ALL	503272	3633376	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1617	ALL	503322	3633376	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1618	ALL	503372	3633376	9.72E-08	1.28YrCanc	9.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1619	ALL	503422	3633376	7.29E-08	1.28YrCanc	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1620	ALL	503472	3633376	7.21E-08	1.28YrCanc	7.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1621	ALL	503622	3633376	7.29E-08	1.28YrCanc	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1622	ALL	503672	3633376	6.84E-08	1.28YrCanc	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1623	ALL	503722	3633376	6.23E-08	1.28YrCanc	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1624	ALL	503772	3633376	6.10E-08	1.28YrCanc	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1625	ALL	503822	3633376	6.19E-08	1.28YrCanc	6.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1626	ALL	503872	3633376	6.10E-08	1.28YrCanc	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1627	ALL	503922	3633376	6.52E-08	1.28YrCanc	6.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1628	ALL	503972	3633376	7.05E-08	1.28YrCanc	7.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1629	ALL	504022	3633376	6.88E-08	1.28YrCanc	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1630	ALL	504072	3633376	6.73E-08	1.28YrCanc	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1631	ALL	504122	3633376	6.97E-08	1.28YrCanc	6.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1632	ALL	504172	3633376	6.51E-08	1.28YrCanc	6.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1633	ALL	504222	3633376	6.45E-08	1.28YrCanc	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1634	ALL	504272	3633376	6.64E-08	1.28YrCanc	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1635	ALL	504322	3633376	6.93E-08	1.28YrCanc	6.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1636	ALL	504372	3633376	7.00E-08	1.28YrCanc	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1637	ALL	504422	3633376	6.63E-08	1.28YrCanc	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1638	ALL	504472	3633376	6.40E-08	1.28YrCanc	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1639	ALL	504522	3633376	6.32E-08	1.28YrCanc	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1640	ALL	504572	3633376	6.39E-08	1.28YrCanc	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1641	ALL	504622	3633376	6.50E-08	1.28YrCanc	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1642	ALL	504672	3633376	6.65E-08	1.28YrCanc	6.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1643	ALL	504722	3633376	6.55E-08	1.28YrCanc	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1644	ALL	504772	3633376	6.43E-08	1.28YrCanc	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1645	ALL	504822	3633376	6.49E-08	1.28YrCanc	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1646	ALL	504872	3633376	6.77E-08	1.28YrCanc	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1647	ALL	504922	3633376	6.80E-08	1.28YrCanc	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1648	ALL	504972	3633376	6.72E-08	1.28YrCanc	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1649	ALL	505022	3633376	6.60E-08	1.28YrCanc	6.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1650	ALL	505072	3633376	6.39E-08	1.28YrCanc	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1651	ALL	505122	3633376	6.16E-08	1.28YrCanc	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1652	ALL	505172	3633376	6.02E-08	1.28YrCanc	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1653	ALL	505222	3633376	6.01E-08	1.28YrCanc	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1654	ALL	502222	3633426	6.27E-08	1.28YrCanc	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1655	ALL	502272	3633426	6.50E-08	1.28YrCanc	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1656	ALL	502322	3633426	6.75E-08	1.28YrCanc	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1657	ALL	502372	3633426	7.00E-08	1.28YrCanc	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1658	ALL	502422	3633426	7.28E-08	1.28YrCanc	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1659	ALL	502472	3633426	7.57E-08	1.28YrCanc	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1660	ALL	502522	3633426	7.87E-08	1.28YrCanc	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1661	ALL	502572	3633426	8.18E-08	1.28YrCanc	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1662	ALL	502622	3633426	8.51E-08	1.28YrCanc	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1663	ALL	502672	3633426	8.85E-08	1.28YrCanc	8.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1664	ALL	502722	3633426	9.21E-08	1.28YrCanc	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1665	ALL	502772	3633426	9.59E-08	1.28YrCanc	9.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1666	ALL	502822	3633426	9.98E-08	1.28YrCanc	9.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1667	ALL	502872	3633426	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1668	ALL	502922	3633426	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1669	ALL	502972	3633426	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1670	ALL	503022	3633426	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1671	ALL	503072	3633426	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1672	ALL	503122	3633426	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1673	ALL	503172	3633426	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1674	ALL	503222	3633426	1.35E-07	1.28YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1675	ALL	503272	3633426	1.39E-07	1.28YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1676	ALL	503322	3633426	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1677	ALL	503372	3633426	9.44E-08	1.28YrCanc	9.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1678	ALL	503422	3633426	8.17E-08	1.28YrCanc	8.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1679	ALL	503472	3633426	8.36E-08	1.28YrCanc	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1680	ALL	503622	3633426	8.71E-08	1.28YrCanc	8.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1681	ALL	503672	3633426	7.90E-08	1.28YrCanc	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1682	ALL	503722	3633426	7.05E-08	1.28YrCanc	7.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1683	ALL	503772	3633426	6.83E-08	1.28YrCanc	6.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1684	ALL	503822	3633426	6.95E-08	1.28YrCanc	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1685	ALL	503872	3633426	7.08E-08	1.28YrCanc	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1686	ALL	503922	3633426	7.70E-08	1.28YrCanc	7.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1687	ALL	503972	3633426	7.96E-08	1.28YrCanc	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1688	ALL	504022	3633426	7.72E-08	1.28YrCanc	7.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1689	ALL	504072	3633426	7.59E-08	1.28YrCanc	7.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1690	ALL	504122	3633426	7.86E-08	1.28YrCanc	7.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1691	ALL	504172	3633426	7.38E-08	1.28YrCanc	7.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1692	ALL	504222	3633426	7.46E-08	1.28YrCanc	7.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1693	ALL	504272	3633426	7.79E-08	1.28YrCanc	7.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1694	ALL	504322	3633426	8.16E-08	1.28YrCanc	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1695	ALL	504372	3633426	7.77E-08	1.28YrCanc	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1696	ALL	504422	3633426	7.33E-08	1.28YrCanc	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1697	ALL	504472	3633426	7.06E-08	1.28YrCanc	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1698	ALL	504522	3633426	6.94E-08	1.28YrCanc	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1699	ALL	504572	3633426	7.06E-08	1.28YrCanc	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1700	ALL	504622	3633426	7.25E-08	1.28YrCanc	7.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1701	ALL	504672	3633426	7.35E-08	1.28YrCanc	7.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1702	ALL	504722	3633426	7.31E-08	1.28YrCanc	7.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1703	ALL	504772	3633426	7.17E-08	1.28YrCanc	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1704	ALL	504822	3633426	7.12E-08	1.28YrCanc	7.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1705	ALL	504872	3633426	7.45E-08	1.28YrCanc	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1706	ALL	504922	3633426	7.38E-08	1.28YrCanc	7.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1707	ALL	504972	3633426	7.22E-08	1.28YrCanc	7.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1708	ALL	505022	3633426	6.89E-08	1.28YrCanc	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1709	ALL	505072	3633426	6.66E-08	1.28YrCanc	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1710	ALL	505122	3633426	6.50E-08	1.28YrCanc	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1711	ALL	505172	3633426	6.39E-08	1.28YrCanc	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1712	ALL	505222	3633426	6.40E-08	1.28YrCanc	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1713	ALL	502222	3633476	6.42E-08	1.28YrCanc	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1714	ALL	502272	3633476	6.67E-08	1.28YrCanc	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1715	ALL	502322	3633476	6.93E-08	1.28YrCanc	6.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1716	ALL	502372	3633476	7.20E-08	1.28YrCanc	7.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1717	ALL	502422	3633476	7.49E-08	1.28YrCanc	7.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1718	ALL	502472	3633476	7.80E-08	1.28YrCanc	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1719	ALL	502522	3633476	8.12E-08	1.28YrCanc	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1720	ALL	502572	3633476	8.46E-08	1.28YrCanc	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1721	ALL	502622	3633476	8.81E-08	1.28YrCanc	8.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1722	ALL	502672	3633476	9.18E-08	1.28YrCanc	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1723	ALL	504772	3633476	8.24E-08	1.28YrCanc	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1724	ALL	504822	3633476	8.23E-08	1.28YrCanc	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1725	ALL	504872	3633476	8.16E-08	1.28YrCanc	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1726	ALL	504922	3633476	8.07E-08	1.28YrCanc	8.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1727	ALL	504972	3633476	7.74E-08	1.28YrCanc	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1728	ALL	505022	3633476	7.31E-08	1.28YrCanc	7.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1729	ALL	505072	3633476	7.06E-08	1.28YrCanc	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1730	ALL	505122	3633476	6.89E-08	1.28YrCanc	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1731	ALL	505172	3633476	6.75E-08	1.28YrCanc	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1732	ALL	505222	3633476	6.72E-08	1.28YrCanc	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1733	ALL	502222	3633526	6.58E-08	1.28YrCanc	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1734	ALL	502272	3633526	6.83E-08	1.28YrCanc	6.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1735	ALL	502322	3633526	7.11E-08	1.28YrCanc	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1736	ALL	502372	3633526	7.40E-08	1.28YrCanc	7.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1737	ALL	502422	3633526	7.71E-08	1.28YrCanc	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1738	ALL	502472	3633526	8.04E-08	1.28YrCanc	8.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1739	ALL	502522	3633526	8.38E-08	1.28YrCanc	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1740	ALL	502572	3633526	8.73E-08	1.28YrCanc	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1741	ALL	502622	3633526	9.12E-08	1.28YrCanc	9.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1742	ALL	502672	3633526	9.52E-08	1.28YrCanc	9.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1743	ALL	504772	3633526	8.94E-08	1.28YrCanc	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1744	ALL	504822	3633526	8.81E-08	1.28YrCanc	8.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1745	ALL	504872	3633526	8.71E-08	1.28YrCanc	8.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1746	ALL	504922	3633526	8.61E-08	1.28YrCanc	8.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1747	ALL	504972	3633526	8.46E-08	1.28YrCanc	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1748	ALL	505022	3633526	8.03E-08	1.28YrCanc	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1749	ALL	505072	3633526	7.59E-08	1.28YrCanc	7.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1750	ALL	505122	3633526	7.28E-08	1.28YrCanc	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1751	ALL	505172	3633526	7.11E-08	1.28YrCanc	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1752	ALL	505222	3633526	7.02E-08	1.28YrCanc	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1753	ALL	502222	3633576	6.74E-08	1.28YrCanc	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1754	ALL	502272	3633576	7.00E-08	1.28YrCanc	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1755	ALL	502322	3633576	7.29E-08	1.28YrCanc	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1756	ALL	502372	3633576	7.60E-08	1.28YrCanc	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1757	ALL	502422	3633576	7.93E-08	1.28YrCanc	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1758	ALL	502472	3633576	8.28E-08	1.28YrCanc	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1759	ALL	502522	3633576	8.64E-08	1.28YrCanc	8.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1760	ALL	502572	3633576	9.02E-08	1.28YrCanc	9.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1761	ALL	502622	3633576	9.43E-08	1.28YrCanc	9.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1762	ALL	502672	3633576	9.87E-08	1.28YrCanc	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1763	ALL	504772	3633576	9.61E-08	1.28YrCanc	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1764	ALL	504822	3633576	9.49E-08	1.28YrCanc	9.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1765	ALL	504872	3633576	9.37E-08	1.28YrCanc	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1766	ALL	504922	3633576	9.14E-08	1.28YrCanc	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1767	ALL	504972	3633576	9.04E-08	1.28YrCanc	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1768	ALL	505022	3633576	8.74E-08	1.28YrCanc	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1769	ALL	505072	3633576	8.20E-08	1.28YrCanc	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1770	ALL	505122	3633576	7.73E-08	1.28YrCanc	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1771	ALL	505172	3633576	7.50E-08	1.28YrCanc	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1772	ALL	505222	3633576	7.42E-08	1.28YrCanc	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1773	ALL	502222	3633626	6.89E-08	1.28YrCanc	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1774	ALL	502272	3633626	7.17E-08	1.28YrCanc	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1775	ALL	502322	3633626	7.47E-08	1.28YrCanc	7.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1776	ALL	502372	3633626	7.80E-08	1.28YrCanc	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1777	ALL	502422	3633626	8.15E-08	1.28YrCanc	8.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1778	ALL	502472	3633626	8.52E-08	1.28YrCanc	8.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1779	ALL	502522	3633626	8.91E-08	1.28YrCanc	8.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1780	ALL	502572	3633626	9.33E-08	1.28YrCanc	9.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1781	ALL	502622	3633626	9.77E-08	1.28YrCanc	9.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1782	ALL	502672	3633626	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1783	ALL	504772	3633626	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1784	ALL	504822	3633626	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1785	ALL	504872	3633626	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1786	ALL	504922	3633626	9.81E-08	1.28YrCanc	9.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1787	ALL	504972	3633626	9.66E-08	1.28YrCanc	9.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1788	ALL	505022	3633626	9.35E-08	1.28YrCanc	9.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1789	ALL	505072	3633626	8.72E-08	1.28YrCanc	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1790	ALL	505122	3633626	8.22E-08	1.28YrCanc	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1791	ALL	505172	3633626	7.88E-08	1.28YrCanc	7.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1792	ALL	505222	3633626	7.78E-08	1.28YrCanc	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1793	ALL	502222	3633676	7.04E-08	1.28YrCanc	7.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1794	ALL	502272	3633676	7.33E-08	1.28YrCanc	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1795	ALL	502322	3633676	7.65E-08	1.28YrCanc	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1796	ALL	502372	3633676	8.00E-08	1.28YrCanc	8.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1797	ALL	502422	3633676	8.37E-08	1.28YrCanc	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1798	ALL	502472	3633676	8.76E-08	1.28YrCanc	8.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1799	ALL	502522	3633676	9.18E-08	1.28YrCanc	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1800	ALL	502572	3633676	9.63E-08	1.28YrCanc	9.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1801	ALL	502622	3633676	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1802	ALL	502672	3633676	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1803	ALL	504772	3633676	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1804	ALL	504822	3633676	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1805	ALL	504872	3633676	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1806	ALL	504922	3633676	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1807	ALL	504972	3633676	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1808	ALL	505022	3633676	9.92E-08	1.28YrCanc	9.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1809	ALL	505072	3633676	9.18E-08	1.28YrCanc	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1810	ALL	505122	3633676	8.54E-08	1.28YrCanc	8.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1811	ALL	505172	3633676	8.17E-08	1.28YrCanc	8.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1812	ALL	505222	3633676	8.01E-08	1.28YrCanc	8.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1813	ALL	502222	3633726	7.18E-08	1.28YrCanc	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1814	ALL	502272	3633726	7.49E-08	1.28YrCanc	7.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1815	ALL	502322	3633726	7.83E-08	1.28YrCanc	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1816	ALL	502372	3633726	8.20E-08	1.28YrCanc	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1817	ALL	502422	3633726	8.59E-08	1.28YrCanc	8.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1818	ALL	502472	3633726	9.00E-08	1.28YrCanc	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1819	ALL	502522	3633726	9.45E-08	1.28YrCanc	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1820	ALL	502572	3633726	9.93E-08	1.28YrCanc	9.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1821	ALL	502622	3633726	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1822	ALL	502672	3633726	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1823	ALL	504772	3633726	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1824	ALL	504822	3633726	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1825	ALL	504872	3633726	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1826	ALL	504922	3633726	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1827	ALL	504972	3633726	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1828	ALL	505022	3633726	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1829	ALL	505072	3633726	9.40E-08	1.28YrCanc	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1830	ALL	505122	3633726	8.73E-08	1.28YrCanc	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1831	ALL	505172	3633726	8.41E-08	1.28YrCanc	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1832	ALL	505222	3633726	8.16E-08	1.28YrCanc	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1833	ALL	502222	3633776	7.33E-08	1.28YrCanc	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1834	ALL	502272	3633776	7.65E-08	1.28YrCanc	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1835	ALL	502322	3633776	8.02E-08	1.28YrCanc	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1836	ALL	502372	3633776	8.40E-08	1.28YrCanc	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1837	ALL	502422	3633776	8.81E-08	1.28YrCanc	8.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1838	ALL	502472	3633776	9.24E-08	1.28YrCanc	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1839	ALL	502522	3633776	9.72E-08	1.28YrCanc	9.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1840	ALL	502572	3633776	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1841	ALL	502622	3633776	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1842	ALL	502672	3633776	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1843	ALL	504772	3633776	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1844	ALL	504822	3633776	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1845	ALL	504872	3633776	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1846	ALL	504922	3633776	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1847	ALL	504972	3633776	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1848	ALL	505022	3633776	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1849	ALL	505072	3633776	9.64E-08	1.28YrCanc	9.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1850	ALL	505122	3633776	8.95E-08	1.28YrCanc	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1851	ALL	505172	3633776	8.54E-08	1.28YrCanc	8.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1852	ALL	505222	3633776	8.27E-08	1.28YrCanc	8.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1853	ALL	502222	3633826	7.47E-08	1.28YrCanc	7.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1854	ALL	502272	3633826	7.81E-08	1.28YrCanc	7.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1855	ALL	502322	3633826	8.19E-08	1.28YrCanc	8.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1856	ALL	502372	3633826	8.59E-08	1.28YrCanc	8.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1857	ALL	502422	3633826	9.02E-08	1.28YrCanc	9.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1858	ALL	502472	3633826	9.48E-08	1.28YrCanc	9.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1859	ALL	502522	3633826	9.98E-08	1.28YrCanc	9.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1860	ALL	502572	3633826	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1861	ALL	502622	3633826	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1862	ALL	502672	3633826	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1863	ALL	504772	3633826	1.58E-07	1.28YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1864	ALL	504822	3633826	1.47E-07	1.28YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1865	ALL	504872	3633826	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1866	ALL	504922	3633826	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1867	ALL	504972	3633826	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1868	ALL	505022	3633826	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1869	ALL	505072	3633826	9.78E-08	1.28YrCanc	9.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1870	ALL	505122	3633826	9.04E-08	1.28YrCanc	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1871	ALL	505172	3633826	8.66E-08	1.28YrCanc	8.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1872	ALL	505222	3633826	8.39E-08	1.28YrCanc	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1873	ALL	502222	3633876	7.61E-08	1.28YrCanc	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1874	ALL	502272	3633876	7.96E-08	1.28YrCanc	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1875	ALL	502322	3633876	8.36E-08	1.28YrCanc	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1876	ALL	502372	3633876	8.77E-08	1.28YrCanc	8.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1877	ALL	502422	3633876	9.23E-08	1.28YrCanc	9.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1878	ALL	502472	3633876	9.71E-08	1.28YrCanc	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1879	ALL	502522	3633876	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1880	ALL	502572	3633876	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1881	ALL	502622	3633876	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1882	ALL	502672	3633876	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1883	ALL	504772	3633876	1.67E-07	1.28YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1884	ALL	504822	3633876	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1885	ALL	504872	3633876	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1886	ALL	504922	3633876	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1887	ALL	504972	3633876	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1888	ALL	505022	3633876	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1889	ALL	505072	3633876	9.86E-08	1.28YrCanc	9.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1890	ALL	505122	3633876	9.22E-08	1.28YrCanc	9.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1891	ALL	505172	3633876	8.84E-08	1.28YrCanc	8.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1892	ALL	505222	3633876	8.54E-08	1.28YrCanc	8.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1893	ALL	502222	3633926	7.74E-08	1.28YrCanc	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1894	ALL	502272	3633926	8.11E-08	1.28YrCanc	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1895	ALL	502322	3633926	8.52E-08	1.28YrCanc	8.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1896	ALL	502372	3633926	8.95E-08	1.28YrCanc	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1897	ALL	502422	3633926	9.44E-08	1.28YrCanc	9.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1898	ALL	502472	3633926	9.94E-08	1.28YrCanc	9.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1899	ALL	502522	3633926	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1900	ALL	502572	3633926	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1901	ALL	502622	3633926	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1902	ALL	502672	3633926	1.25E-07	1.28YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1903	ALL	504772	3633926	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1904	ALL	504822	3633926	1.50E-07	1.28YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1905	ALL	504872	3633926	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1906	ALL	504922	3633926	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1907	ALL	504972	3633926	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1908	ALL	505022	3633926	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1909	ALL	505072	3633926	9.90E-08	1.28YrCanc	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1910	ALL	505122	3633926	9.40E-08	1.28YrCanc	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1911	ALL	505172	3633926	9.04E-08	1.28YrCanc	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1912	ALL	505222	3633926	8.70E-08	1.28YrCanc	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1913	ALL	502222	3633976	7.87E-08	1.28YrCanc	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1914	ALL	502272	3633976	8.25E-08	1.28YrCanc	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1915	ALL	502322	3633976	8.67E-08	1.28YrCanc	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1916	ALL	502372	3633976	9.13E-08	1.28YrCanc	9.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1917	ALL	502422	3633976	9.63E-08	1.28YrCanc	9.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1918	ALL	502472	3633976	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1919	ALL	502522	3633976	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1920	ALL	502572	3633976	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1921	ALL	502622	3633976	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1922	ALL	502672	3633976	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1923	ALL	504772	3633976	1.67E-07	1.28YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1924	ALL	504822	3633976	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1925	ALL	504872	3633976	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1926	ALL	504922	3633976	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1927	ALL	504972	3633976	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1928	ALL	505022	3633976	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1929	ALL	505072	3633976	9.88E-08	1.28YrCanc	9.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1930	ALL	505122	3633976	9.55E-08	1.28YrCanc	9.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1931	ALL	505172	3633976	9.17E-08	1.28YrCanc	9.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1932	ALL	505222	3633976	8.76E-08	1.28YrCanc	8.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1933	ALL	502222	3634026	7.99E-08	1.28YrCanc	7.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1934	ALL	502272	3634026	8.38E-08	1.28YrCanc	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1935	ALL	502322	3634026	8.82E-08	1.28YrCanc	8.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1936	ALL	502372	3634026	9.30E-08	1.28YrCanc	9.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1937	ALL	502422	3634026	9.81E-08	1.28YrCanc	9.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1938	ALL	502472	3634026	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1939	ALL	502522	3634026	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1940	ALL	502572	3634026	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1941	ALL	502622	3634026	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1942	ALL	502672	3634026	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1943	ALL	504772	3634026	1.65E-07	1.28YrCanc	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1944	ALL	504822	3634026	1.55E-07	1.28YrCanc	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1945	ALL	504872	3634026	1.39E-07	1.28YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1946	ALL	504922	3634026	1.25E-07	1.28YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1947	ALL	504972	3634026	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1948	ALL	505022	3634026	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1949 ALL	505072	3634026	9.83E-08	1.28YrCanc	9.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1950 ALL	505122	3634026	9.50E-08	1.28YrCanc	9.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1951 ALL	505172	3634026	9.15E-08	1.28YrCanc	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1952 ALL	505222	3634026	8.68E-08	1.28YrCanc	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1953 ALL	502222	3634076	8.09E-08	1.28YrCanc	8.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1954 ALL	502272	3634076	8.50E-08	1.28YrCanc	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1955 ALL	502322	3634076	8.95E-08	1.28YrCanc	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1956 ALL	502372	3634076	9.44E-08	1.28YrCanc	9.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1957 ALL	502422	3634076	9.97E-08	1.28YrCanc	9.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1958 ALL	502472	3634076	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1959 ALL	502522	3634076	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1960 ALL	502572	3634076	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1961 ALL	502622	3634076	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1962 ALL	502672	3634076	1.35E-07	1.28YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1963 ALL	504772	3634076	1.66E-07	1.28YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1964 ALL	504822	3634076	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1965 ALL	504872	3634076	1.35E-07	1.28YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1966 ALL	504922	3634076	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1967 ALL	504972	3634076	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1968 ALL	505022	3634076	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1969 ALL	505072	3634076	9.63E-08	1.28YrCanc	9.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1970 ALL	505122	3634076	9.25E-08	1.28YrCanc	9.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1971 ALL	505172	3634076	8.93E-08	1.28YrCanc	8.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1972 ALL	505222	3634076	8.48E-08	1.28YrCanc	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1973 ALL	502222	3634126	8.18E-08	1.28YrCanc	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1974 ALL	502272	3634126	8.61E-08	1.28YrCanc	8.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1975 ALL	502322	3634126	9.07E-08	1.28YrCanc	9.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1976 ALL	502372	3634126	9.58E-08	1.28YrCanc	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1977 ALL	502422	3634126	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1978 ALL	502472	3634126	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1979 ALL	502522	3634126	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1980 ALL	502572	3634126	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1981 ALL	502622	3634126	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1982 ALL	502672	3634126	1.39E-07	1.28YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1983 ALL	504772	3634126	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1984 ALL	504822	3634126	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1985 ALL	504872	3634126	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1986 ALL	504922	3634126	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1987 ALL	504972	3634126	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1988 ALL	505022	3634126	9.87E-08	1.28YrCanc	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1989 ALL	505072	3634126	9.33E-08	1.28YrCanc	9.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1990 ALL	505122	3634126	9.00E-08	1.28YrCanc	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1991 ALL	505172	3634126	8.65E-08	1.28YrCanc	8.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1992 ALL	505222	3634126	8.25E-08	1.28YrCanc	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1993 ALL	502222	3634176	8.24E-08	1.28YrCanc	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1994 ALL	502272	3634176	8.69E-08	1.28YrCanc	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1995 ALL	502322	3634176	9.16E-08	1.28YrCanc	9.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1996 ALL	502372	3634176	9.73E-08	1.28YrCanc	9.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1997 ALL	502422	3634176	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1998 ALL	502472	3634176	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1999 ALL	502522	3634176	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2000 ALL	502572	3634176	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2001 ALL	502622	3634176	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2002 ALL	502672	3634176	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2003 ALL	504772	3634176	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2004 ALL	504822	3634176	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2005 ALL	504872	3634176	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2006 ALL	504922	3634176	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2007 ALL	504972	3634176	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2008 ALL	505022	3634176	9.55E-08	1.28YrCanc	9.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2009 ALL	505072	3634176	8.90E-08	1.28YrCanc	8.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2010 ALL	505122	3634176	8.69E-08	1.28YrCanc	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2011 ALL	505172	3634176	8.38E-08	1.28YrCanc	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2012 ALL	505222	3634176	8.13E-08	1.28YrCanc	8.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2013 ALL	502222	3634226	8.33E-08	1.28YrCanc	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2014 ALL	502272	3634226	8.77E-08	1.28YrCanc	8.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2015 ALL	502322	3634226	9.28E-08	1.28YrCanc	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2016 ALL	502372	3634226	9.84E-08	1.28YrCanc	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2017 ALL	502422	3634226	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2018 ALL	502472	3634226	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2019 ALL	502522	3634226	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2020 ALL	502572	3634226	1.25E-07	1.28YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2021 ALL	502622	3634226	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2022 ALL	502672	3634226	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2023 ALL	504772	3634226	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2024 ALL	504822	3634226	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2025 ALL	504872	3634226	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2026 ALL	504922	3634226	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2027 ALL	504972	3634226	9.99E-08	1.28YrCanc	9.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2028 ALL	505022	3634226	9.28E-08	1.28YrCanc	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2029 ALL	505072	3634226	8.66E-08	1.28YrCanc	8.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2030 ALL	505122	3634226	8.41E-08	1.28YrCanc	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2031 ALL	505172	3634226	7.94E-08	1.28YrCanc	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2032 ALL	505222	3634226	7.91E-08	1.28YrCanc	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2033 ALL	502222	3634276	8.40E-08	1.28YrCanc	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2034 ALL	502272	3634276	8.85E-08	1.28YrCanc	8.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2035 ALL	502322	3634276	9.36E-08	1.28YrCanc	9.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2036 ALL	502372	3634276	9.94E-08	1.28YrCanc	9.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2037 ALL	502422	3634276	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2038 ALL	502472	3634276	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2039 ALL	502522	3634276	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2040 ALL	502572	3634276	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2041 ALL	502622	3634276	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2042 ALL	502672	3634276	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2043 ALL	504772	3634276	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2044 ALL	504822	3634276	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2045 ALL	504872	3634276	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2046 ALL	504922	3634276	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2047 ALL	504972	3634276	9.99E-08	1.28YrCanc	9.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2048 ALL	505022	3634276	9.14E-08	1.28YrCanc	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2049 ALL	505072	3634276	8.58E-08	1.28YrCanc	8.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2050 ALL	505122	3634276	8.36E-08	1.28YrCanc	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2051 ALL	505172	3634276	7.74E-08	1.28YrCanc	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2052 ALL	505222	3634276	7.75E-08	1.28YrCanc	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2053 ALL	502222	3634326	8.46E-08	1.28YrCanc	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2054 ALL	502272	3634326	8.93E-08	1.28YrCanc	8.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2055 ALL	502322	3634326	9.43E-08	1.28YrCanc	9.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2056 ALL	502372	3634326	9.99E-08	1.28YrCanc	9.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2057 ALL	502422	3634326	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2058 ALL	502472	3634326	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2059 ALL	502522	3634326	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2060 ALL	502572	3634326	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2061 ALL	502622	3634326	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2062 ALL	502672	3634326	1.47E-07	1.28YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2063 ALL	504772	3634326	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2064 ALL	504822	3634326	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2065 ALL	504872	3634326	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2066 ALL	504922	3634326	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2067 ALL	504972	3634326	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2068 ALL	505022	3634326	9.11E-08	1.28YrCanc	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2069 ALL	505072	3634326	8.56E-08	1.28YrCanc	8.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2070 ALL	505122	3634326	8.48E-08	1.28YrCanc	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2071 ALL	505172	3634326	7.85E-08	1.28YrCanc	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2072 ALL	505222	3634326	7.60E-08	1.28YrCanc	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2073 ALL	502222	3634376	8.53E-08	1.28YrCanc	8.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2074 ALL	502272	3634376	9.00E-08	1.28YrCanc	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2075 ALL	502322	3634376	9.50E-08	1.28YrCanc	9.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2076 ALL	502372	3634376	1.00E-07	1.28YrCanc	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2077 ALL	502422	3634376	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2078 ALL	502472	3634376	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2079 ALL	502522	3634376	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2080 ALL	502572	3634376	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2081 ALL	502622	3634376	1.39E-07	1.28YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2082 ALL	502672	3634376	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2083 ALL	504772	3634376	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2084 ALL	504822	3634376	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2085 ALL	504872	3634376	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2086 ALL	504922	3634376	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2087 ALL	504972	3634376	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2088 ALL	505022	3634376	9.22E-08	1.28YrCanc	9.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2089 ALL	505072	3634376	8.73E-08	1.28YrCanc	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2090 ALL	505122	3634376	8.73E-08	1.28YrCanc	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2091 ALL	505172	3634376	8.12E-08	1.28YrCanc	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2092 ALL	505222	3634376	7.64E-08	1.28YrCanc	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2093 ALL	502222	3634426	8.59E-08	1.28YrCanc	8.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2094 ALL	502272	3634426	9.07E-08	1.28YrCanc	9.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2095 ALL	502322	3634426	9.58E-08	1.28YrCanc	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2096 ALL	502372	3634426	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2097 ALL	502422	3634426	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2098 ALL	502472	3634426	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2099 ALL	502522	3634426	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2100 ALL	502572	3634426	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2101 ALL	502622	3634426	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2102 ALL	502672	3634426	1.50E-07	1.28YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2103 ALL	504772	3634426	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2104 ALL	504822	3634426	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2105 ALL	504872	3634426	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2106 ALL	504922	3634426	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2107 ALL	504972	3634426	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2108 ALL	505022	3634426	9.89E-08	1.28YrCanc	9.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2109 ALL	505072	3634426	9.58E-08	1.28YrCanc	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2110 ALL	505122	3634426	9.20E-08	1.28YrCanc	9.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2111 ALL	505172	3634426	8.50E-08	1.28YrCanc	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2112 ALL	505222	3634426	7.92E-08	1.28YrCanc	7.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2113 ALL	502222	3634476	8.61E-08	1.28YrCanc	8.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2114 ALL	502272	3634476	9.09E-08	1.28YrCanc	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2115 ALL	502322	3634476	9.61E-08	1.28YrCanc	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2116 ALL	502372	3634476	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2117 ALL	502422	3634476	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2118 ALL	502472	3634476	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2119 ALL	502522	3634476	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2120 ALL	502572	3634476	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2121 ALL	502622	3634476	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2122 ALL	502672	3634476	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2123 ALL	504772	3634476	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2124 ALL	504822	3634476	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2125 ALL	504872	3634476	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2126 ALL	504922	3634476	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2127 ALL	504972	3634476	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2128 ALL	505022	3634476	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2129 ALL	505072	3634476	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2130 ALL	505122	3634476	9.87E-08	1.28YrCanc	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2131 ALL	505172	3634476	9.06E-08	1.28YrCanc	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2132 ALL	505222	3634476	8.37E-08	1.28YrCanc	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2133 ALL	502222	3634526	8.63E-08	1.28YrCanc	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2134 ALL	502272	3634526	9.10E-08	1.28YrCanc	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2135 ALL	502322	3634526	9.62E-08	1.28YrCanc	9.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2136 ALL	502372	3634526	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2137 ALL	502422	3634526	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2138 ALL	502472	3634526	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2139 ALL	502522	3634526	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2140 ALL	502572	3634526	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2141 ALL	502622	3634526	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2142 ALL	502672	3634526	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2143 ALL	504772	3634526	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2144 ALL	504822	3634526	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2145 ALL	504872	3634526	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2146 ALL	504922	3634526	1.43E-07	1.28YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2147 ALL	504972	3634526	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2148 ALL	505022	3634526	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2149	ALL	505072	3634526	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2150	ALL	505122	3634526	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2151	ALL	505172	3634526	9.50E-08	1.28YrCanc	9.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2152	ALL	505222	3634526	8.62E-08	1.28YrCanc	8.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2153	ALL	502222	3634576	8.63E-08	1.28YrCanc	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2154	ALL	502272	3634576	9.09E-08	1.28YrCanc	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2155	ALL	502322	3634576	9.61E-08	1.28YrCanc	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2156	ALL	502372	3634576	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2157	ALL	502422	3634576	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2158	ALL	502472	3634576	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2159	ALL	502522	3634576	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2160	ALL	502572	3634576	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2161	ALL	502622	3634576	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2162	ALL	502672	3634576	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2163	ALL	504772	3634576	1.69E-07	1.28YrCanc	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2164	ALL	504822	3634576	1.53E-07	1.28YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2165	ALL	504872	3634576	1.55E-07	1.28YrCanc	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2166	ALL	504922	3634576	1.65E-07	1.28YrCanc	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2167	ALL	504972	3634576	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2168	ALL	505022	3634576	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2169	ALL	505072	3634576	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2170	ALL	505122	3634576	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2171	ALL	505172	3634576	9.34E-08	1.28YrCanc	9.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2172	ALL	505222	3634576	8.55E-08	1.28YrCanc	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2173	ALL	502222	3634626	8.61E-08	1.28YrCanc	8.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2174	ALL	502272	3634626	9.08E-08	1.28YrCanc	9.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2175	ALL	502322	3634626	9.58E-08	1.28YrCanc	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2176	ALL	502372	3634626	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2177	ALL	502422	3634626	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2178	ALL	502472	3634626	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2179	ALL	502522	3634626	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2180	ALL	502572	3634626	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2181	ALL	502622	3634626	1.39E-07	1.28YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2182	ALL	502672	3634626	1.50E-07	1.28YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2183	ALL	504772	3634626	2.08E-07	1.28YrCanc	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2184	ALL	504822	3634626	2.01E-07	1.28YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2185	ALL	504872	3634626	1.86E-07	1.28YrCanc	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2186	ALL	504922	3634626	1.72E-07	1.28YrCanc	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2187	ALL	504972	3634626	1.54E-07	1.28YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2188	ALL	505022	3634626	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2189	ALL	505072	3634626	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2190	ALL	505122	3634626	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2191	ALL	505172	3634626	9.15E-08	1.28YrCanc	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2192	ALL	505222	3634626	8.36E-08	1.28YrCanc	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2193	ALL	502222	3634676	8.57E-08	1.28YrCanc	8.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2194	ALL	502272	3634676	9.04E-08	1.28YrCanc	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2195	ALL	502322	3634676	9.55E-08	1.28YrCanc	9.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2196	ALL	502372	3634676	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2197	ALL	502422	3634676	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2198	ALL	502472	3634676	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2199	ALL	502522	3634676	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2200	ALL	502572	3634676	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2201	ALL	502622	3634676	1.38E-07	1.28YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2202	ALL	502672	3634676	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2203	ALL	504772	3634676	2.18E-07	1.28YrCanc	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2204	ALL	504822	3634676	2.01E-07	1.28YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2205	ALL	504872	3634676	1.84E-07	1.28YrCanc	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2206	ALL	504922	3634676	1.71E-07	1.28YrCanc	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2207	ALL	504972	3634676	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2208	ALL	505022	3634676	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2209	ALL	505072	3634676	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2210	ALL	505122	3634676	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2211	ALL	505172	3634676	9.26E-08	1.28YrCanc	9.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2212	ALL	505222	3634676	8.40E-08	1.28YrCanc	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2213	ALL	502222	3634726	8.52E-08	1.28YrCanc	8.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2214	ALL	502272	3634726	8.98E-08	1.28YrCanc	8.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2215	ALL	502322	3634726	9.47E-08	1.28YrCanc	9.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2216	ALL	502372	3634726	1.00E-07	1.28YrCanc	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2217	ALL	502422	3634726	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2218	ALL	502472	3634726	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2219	ALL	502522	3634726	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2220	ALL	502572	3634726	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2221	ALL	502622	3634726	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2222	ALL	502672	3634726	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2223	ALL	504772	3634726	2.10E-07	1.28YrCanc	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2224	ALL	504822	3634726	1.96E-07	1.28YrCanc	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2225	ALL	504872	3634726	1.83E-07	1.28YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2226	ALL	504922	3634726	1.67E-07	1.28YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2227	ALL	504972	3634726	1.50E-07	1.28YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2228	ALL	505022	3634726	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2229	ALL	505072	3634726	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2230	ALL	505122	3634726	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2231	ALL	505172	3634726	8.89E-08	1.28YrCanc	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2232	ALL	505222	3634726	8.30E-08	1.28YrCanc	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2233	ALL	502222	3634776	8.45E-08	1.28YrCanc	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2234	ALL	502272	3634776	8.91E-08	1.28YrCanc	8.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2235	ALL	502322	3634776	9.38E-08	1.28YrCanc	9.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2236	ALL	502372	3634776	9.90E-08	1.28YrCanc	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2237	ALL	502422	3634776	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2238	ALL	502472	3634776	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2239	ALL	502522	3634776	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2240	ALL	502572	3634776	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2241	ALL	502622	3634776	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2242	ALL	502672	3634776	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2243	ALL	504772	3634776	2.02E-07	1.28YrCanc	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2244	ALL	504822	3634776	1.89E-07	1.28YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2245	ALL	504872	3634776	1.77E-07	1.28YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2246	ALL	504922	3634776	1.59E-07	1.28YrCanc	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2247	ALL	504972	3634776	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2248	ALL	505022	3634776	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2249 ALL	505072	3634776	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2250 ALL	505122	3634776	9.80E-08	1.28YrCanc	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2251 ALL	505172	3634776	8.59E-08	1.28YrCanc	8.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2252 ALL	505222	3634776	7.95E-08	1.28YrCanc	7.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2253 ALL	502222	3634826	8.37E-08	1.28YrCanc	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2254 ALL	502272	3634826	8.81E-08	1.28YrCanc	8.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2255 ALL	502322	3634826	9.28E-08	1.28YrCanc	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2256 ALL	502372	3634826	9.79E-08	1.28YrCanc	9.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2257 ALL	502422	3634826	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2258 ALL	502472	3634826	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2259 ALL	502522	3634826	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2260 ALL	502572	3634826	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2261 ALL	502622	3634826	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2262 ALL	502672	3634826	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2263 ALL	504772	3634826	1.94E-07	1.28YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2264 ALL	504822	3634826	1.82E-07	1.28YrCanc	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2265 ALL	504872	3634826	1.68E-07	1.28YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2266 ALL	504922	3634826	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2267 ALL	504972	3634826	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2268 ALL	505022	3634826	9.78E-08	1.28YrCanc	9.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2269 ALL	505072	3634826	9.38E-08	1.28YrCanc	9.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2270 ALL	505122	3634826	8.96E-08	1.28YrCanc	8.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2271 ALL	505172	3634826	8.11E-08	1.28YrCanc	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2272 ALL	505222	3634826	7.59E-08	1.28YrCanc	7.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2273 ALL	502222	3634876	8.27E-08	1.28YrCanc	8.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2274 ALL	502272	3634876	8.69E-08	1.28YrCanc	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2275 ALL	502322	3634876	9.15E-08	1.28YrCanc	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2276 ALL	502372	3634876	9.65E-08	1.28YrCanc	9.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2277 ALL	502422	3634876	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2278 ALL	502472	3634876	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2279 ALL	502522	3634876	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2280 ALL	502572	3634876	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2281 ALL	502622	3634876	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2282 ALL	502672	3634876	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2283 ALL	504772	3634876	1.87E-07	1.28YrCanc	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2284 ALL	504822	3634876	1.74E-07	1.28YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2285 ALL	504872	3634876	1.62E-07	1.28YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2286 ALL	504922	3634876	1.35E-07	1.28YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2287 ALL	504972	3634876	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2288 ALL	505022	3634876	9.08E-08	1.28YrCanc	9.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2289 ALL	505072	3634876	8.30E-08	1.28YrCanc	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2290 ALL	505122	3634876	8.09E-08	1.28YrCanc	8.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2291 ALL	505172	3634876	7.61E-08	1.28YrCanc	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2292 ALL	505222	3634876	7.30E-08	1.28YrCanc	7.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2293 ALL	502222	3634926	8.16E-08	1.28YrCanc	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2294 ALL	502272	3634926	8.56E-08	1.28YrCanc	8.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2295 ALL	502322	3634926	9.01E-08	1.28YrCanc	9.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2296 ALL	502372	3634926	9.48E-08	1.28YrCanc	9.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2297 ALL	502422	3634926	1.00E-07	1.28YrCanc	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2298 ALL	502472	3634926	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2299	ALL	502522	3634926	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2300	ALL	502572	3634926	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2301	ALL	502622	3634926	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2302	ALL	502672	3634926	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2303	ALL	504772	3634926	1.80E-07	1.28YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2304	ALL	504822	3634926	1.67E-07	1.28YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2305	ALL	504872	3634926	1.56E-07	1.28YrCanc	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2306	ALL	504922	3634926	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2307	ALL	504972	3634926	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2308	ALL	505022	3634926	8.74E-08	1.28YrCanc	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2309	ALL	505072	3634926	7.86E-08	1.28YrCanc	7.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2310	ALL	505122	3634926	7.62E-08	1.28YrCanc	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2311	ALL	505172	3634926	7.26E-08	1.28YrCanc	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2312	ALL	505222	3634926	7.03E-08	1.28YrCanc	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2313	ALL	502222	3634976	8.03E-08	1.28YrCanc	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2314	ALL	502272	3634976	8.42E-08	1.28YrCanc	8.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2315	ALL	502322	3634976	8.84E-08	1.28YrCanc	8.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2316	ALL	502372	3634976	9.30E-08	1.28YrCanc	9.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2317	ALL	502422	3634976	9.80E-08	1.28YrCanc	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2318	ALL	502472	3634976	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2319	ALL	502522	3634976	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2320	ALL	502572	3634976	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2321	ALL	502622	3634976	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2322	ALL	502672	3634976	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2323	ALL	504822	3634976	1.60E-07	1.28YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2324	ALL	504872	3634976	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2325	ALL	504922	3634976	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2326	ALL	504972	3634976	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2327	ALL	505022	3634976	8.76E-08	1.28YrCanc	8.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2328	ALL	505072	3634976	7.84E-08	1.28YrCanc	7.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2329	ALL	505122	3634976	7.77E-08	1.28YrCanc	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2330	ALL	505172	3634976	7.41E-08	1.28YrCanc	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2331	ALL	505222	3634976	7.02E-08	1.28YrCanc	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2332	ALL	502222	3635026	7.89E-08	1.28YrCanc	7.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2333	ALL	502272	3635026	8.27E-08	1.28YrCanc	8.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2334	ALL	502322	3635026	8.68E-08	1.28YrCanc	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2335	ALL	502372	3635026	9.11E-08	1.28YrCanc	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2336	ALL	502422	3635026	9.58E-08	1.28YrCanc	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2337	ALL	502472	3635026	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2338	ALL	502522	3635026	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2339	ALL	502572	3635026	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2340	ALL	502622	3635026	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2341	ALL	502672	3635026	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2342	ALL	504872	3635026	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2343	ALL	504922	3635026	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2344	ALL	504972	3635026	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2345	ALL	505022	3635026	8.87E-08	1.28YrCanc	8.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2346	ALL	505072	3635026	8.11E-08	1.28YrCanc	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2347	ALL	505122	3635026	8.16E-08	1.28YrCanc	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2348	ALL	505172	3635026	7.83E-08	1.28YrCanc	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2349 ALL	505222	3635026	7.29E-08	1.28YrCanc	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2350 ALL	502222	3635076	7.75E-08	1.28YrCanc	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2351 ALL	502272	3635076	8.11E-08	1.28YrCanc	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2352 ALL	502322	3635076	8.50E-08	1.28YrCanc	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2353 ALL	502372	3635076	8.91E-08	1.28YrCanc	8.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2354 ALL	502422	3635076	9.36E-08	1.28YrCanc	9.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2355 ALL	502472	3635076	9.84E-08	1.28YrCanc	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2356 ALL	502522	3635076	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2357 ALL	502572	3635076	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2358 ALL	502622	3635076	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2359 ALL	502672	3635076	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2360 ALL	504922	3635076	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2361 ALL	504972	3635076	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2362 ALL	505022	3635076	9.50E-08	1.28YrCanc	9.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2363 ALL	505072	3635076	8.93E-08	1.28YrCanc	8.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2364 ALL	505122	3635076	8.89E-08	1.28YrCanc	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2365 ALL	505172	3635076	8.89E-08	1.28YrCanc	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2366 ALL	505222	3635076	8.20E-08	1.28YrCanc	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2367 ALL	502222	3635126	7.59E-08	1.28YrCanc	7.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2368 ALL	502272	3635126	7.94E-08	1.28YrCanc	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2369 ALL	502322	3635126	8.31E-08	1.28YrCanc	8.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2370 ALL	502372	3635126	8.71E-08	1.28YrCanc	8.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2371 ALL	502422	3635126	9.13E-08	1.28YrCanc	9.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2372 ALL	502472	3635126	9.59E-08	1.28YrCanc	9.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2373 ALL	502522	3635126	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2374 ALL	502572	3635126	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2375 ALL	502622	3635126	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2376 ALL	502672	3635126	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2377 ALL	505022	3635126	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2378 ALL	505072	3635126	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2379 ALL	505122	3635126	1.00E-07	1.28YrCanc	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2380 ALL	505172	3635126	9.77E-08	1.28YrCanc	9.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2381 ALL	505222	3635126	8.76E-08	1.28YrCanc	8.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2382 ALL	502222	3635176	7.44E-08	1.28YrCanc	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2383 ALL	502272	3635176	7.77E-08	1.28YrCanc	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2384 ALL	502322	3635176	8.12E-08	1.28YrCanc	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2385 ALL	502372	3635176	8.50E-08	1.28YrCanc	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2386 ALL	502422	3635176	8.90E-08	1.28YrCanc	8.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2387 ALL	502472	3635176	9.34E-08	1.28YrCanc	9.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2388 ALL	502522	3635176	9.80E-08	1.28YrCanc	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2389 ALL	502572	3635176	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2390 ALL	502622	3635176	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2391 ALL	502672	3635176	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2392 ALL	505122	3635176	1.00E-07	1.28YrCanc	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2393 ALL	505172	3635176	9.58E-08	1.28YrCanc	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2394 ALL	505222	3635176	9.14E-08	1.28YrCanc	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2395 ALL	502222	3635226	7.28E-08	1.28YrCanc	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2396 ALL	502272	3635226	7.60E-08	1.28YrCanc	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2397 ALL	502322	3635226	7.93E-08	1.28YrCanc	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2398 ALL	502372	3635226	8.29E-08	1.28YrCanc	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2399	ALL	502422	3635226	8.67E-08	1.28YrCanc	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2400	ALL	502472	3635226	9.09E-08	1.28YrCanc	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2401	ALL	502522	3635226	9.53E-08	1.28YrCanc	9.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2402	ALL	502572	3635226	1.00E-07	1.28YrCanc	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2403	ALL	502622	3635226	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2404	ALL	502672	3635226	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2405	ALL	502222	3635276	7.29E-08	1.28YrCanc	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2406	ALL	502272	3635276	7.42E-08	1.28YrCanc	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2407	ALL	502322	3635276	7.75E-08	1.28YrCanc	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2408	ALL	502372	3635276	8.10E-08	1.28YrCanc	8.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2409	ALL	502422	3635276	8.46E-08	1.28YrCanc	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2410	ALL	502472	3635276	8.85E-08	1.28YrCanc	8.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2411	ALL	502522	3635276	9.33E-08	1.28YrCanc	9.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2412	ALL	502572	3635276	9.70E-08	1.28YrCanc	9.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2413	ALL	502622	3635276	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2414	ALL	502672	3635276	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2415	ALL	502222	3635326	7.23E-08	1.28YrCanc	7.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2416	ALL	502272	3635326	7.26E-08	1.28YrCanc	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2417	ALL	502322	3635326	7.64E-08	1.28YrCanc	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2418	ALL	502372	3635326	8.00E-08	1.28YrCanc	8.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2419	ALL	502422	3635326	8.35E-08	1.28YrCanc	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2420	ALL	502472	3635326	8.68E-08	1.28YrCanc	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2421	ALL	502522	3635326	9.03E-08	1.28YrCanc	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2422	ALL	502572	3635326	9.43E-08	1.28YrCanc	9.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2423	ALL	502622	3635326	9.86E-08	1.28YrCanc	9.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2424	ALL	502672	3635326	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2425	ALL	502222	3635376	7.01E-08	1.28YrCanc	7.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2426	ALL	502272	3635376	7.16E-08	1.28YrCanc	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2427	ALL	502322	3635376	7.48E-08	1.28YrCanc	7.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2428	ALL	502372	3635376	7.80E-08	1.28YrCanc	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2429	ALL	502422	3635376	8.11E-08	1.28YrCanc	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2430	ALL	502472	3635376	8.41E-08	1.28YrCanc	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2431	ALL	502522	3635376	8.72E-08	1.28YrCanc	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2432	ALL	502572	3635376	9.09E-08	1.28YrCanc	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2433	ALL	502622	3635376	9.49E-08	1.28YrCanc	9.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2434	ALL	502672	3635376	9.93E-08	1.28YrCanc	9.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2435	ALL	502222	3635426	6.84E-08	1.28YrCanc	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2436	ALL	502272	3635426	6.99E-08	1.28YrCanc	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2437	ALL	502322	3635426	7.27E-08	1.28YrCanc	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2438	ALL	502372	3635426	7.54E-08	1.28YrCanc	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2439	ALL	502422	3635426	7.82E-08	1.28YrCanc	7.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2440	ALL	502472	3635426	8.10E-08	1.28YrCanc	8.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2441	ALL	502522	3635426	8.40E-08	1.28YrCanc	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2442	ALL	502572	3635426	8.74E-08	1.28YrCanc	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2443	ALL	502622	3635426	9.10E-08	1.28YrCanc	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2444	ALL	502672	3635426	9.50E-08	1.28YrCanc	9.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2445	ALL	504772	3635426	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2446	ALL	502222	3635476	6.62E-08	1.28YrCanc	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2447	ALL	502272	3635476	6.83E-08	1.28YrCanc	6.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2448	ALL	502322	3635476	7.05E-08	1.28YrCanc	7.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2449	ALL	502372	3635476	7.29E-08	1.28YrCanc	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2450	ALL	502422	3635476	7.54E-08	1.28YrCanc	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2451	ALL	502472	3635476	7.79E-08	1.28YrCanc	7.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2452	ALL	502522	3635476	8.10E-08	1.28YrCanc	8.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2453	ALL	502572	3635476	8.42E-08	1.28YrCanc	8.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2454	ALL	502622	3635476	8.76E-08	1.28YrCanc	8.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2455	ALL	502672	3635476	9.09E-08	1.28YrCanc	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2456	ALL	504772	3635476	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2457	ALL	504822	3635476	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2458	ALL	504872	3635476	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2459	ALL	504922	3635476	9.94E-08	1.28YrCanc	9.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2460	ALL	502222	3635526	6.40E-08	1.28YrCanc	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2461	ALL	502272	3635526	6.61E-08	1.28YrCanc	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2462	ALL	502322	3635526	6.82E-08	1.28YrCanc	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2463	ALL	502372	3635526	7.05E-08	1.28YrCanc	7.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2464	ALL	502422	3635526	7.28E-08	1.28YrCanc	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2465	ALL	502472	3635526	7.52E-08	1.28YrCanc	7.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2466	ALL	502522	3635526	7.81E-08	1.28YrCanc	7.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2467	ALL	502572	3635526	8.10E-08	1.28YrCanc	8.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2468	ALL	502622	3635526	8.40E-08	1.28YrCanc	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2469	ALL	502672	3635526	8.70E-08	1.28YrCanc	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2470	ALL	502722	3635526	9.03E-08	1.28YrCanc	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2471	ALL	502772	3635526	9.41E-08	1.28YrCanc	9.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2472	ALL	502822	3635526	9.80E-08	1.28YrCanc	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2473	ALL	502872	3635526	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2474	ALL	502922	3635526	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2475	ALL	502972	3635526	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2476	ALL	503022	3635526	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2477	ALL	503072	3635526	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2478	ALL	503122	3635526	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2479	ALL	503172	3635526	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2480	ALL	503222	3635526	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2481	ALL	503272	3635526	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2482	ALL	503322	3635526	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2483	ALL	503372	3635526	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2484	ALL	503422	3635526	1.49E-07	1.28YrCanc	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2485	ALL	503472	3635526	1.54E-07	1.28YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2486	ALL	503522	3635526	1.59E-07	1.28YrCanc	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2487	ALL	503572	3635526	1.60E-07	1.28YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2488	ALL	503622	3635526	1.61E-07	1.28YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2489	ALL	503672	3635526	1.63E-07	1.28YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2490	ALL	503722	3635526	1.65E-07	1.28YrCanc	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2491	ALL	503772	3635526	1.68E-07	1.28YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2492	ALL	503822	3635526	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2493	ALL	503872	3635526	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2494	ALL	503922	3635526	1.73E-07	1.28YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2495	ALL	503972	3635526	1.75E-07	1.28YrCanc	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2496	ALL	504022	3635526	1.70E-07	1.28YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2497	ALL	504072	3635526	1.62E-07	1.28YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2498	ALL	504122	3635526	1.58E-07	1.28YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2499	ALL	504172	3635526	1.56E-07	1.28YrCanc	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2500	ALL	504222	3635526	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2501	ALL	504272	3635526	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2502	ALL	504322	3635526	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2503	ALL	504372	3635526	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2504	ALL	504422	3635526	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2505	ALL	504472	3635526	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2506	ALL	504522	3635526	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2507	ALL	504572	3635526	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2508	ALL	504622	3635526	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2509	ALL	504672	3635526	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2510	ALL	504722	3635526	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2511	ALL	504772	3635526	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2512	ALL	504822	3635526	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2513	ALL	504872	3635526	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2514	ALL	504922	3635526	9.60E-08	1.28YrCanc	9.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2515	ALL	504972	3635526	9.24E-08	1.28YrCanc	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2516	ALL	505022	3635526	8.89E-08	1.28YrCanc	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2517	ALL	505072	3635526	8.51E-08	1.28YrCanc	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2518	ALL	505122	3635526	8.14E-08	1.28YrCanc	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2519	ALL	505172	3635526	7.80E-08	1.28YrCanc	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2520	ALL	505222	3635526	7.48E-08	1.28YrCanc	7.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2521	ALL	502222	3635576	6.14E-08	1.28YrCanc	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2522	ALL	502272	3635576	6.39E-08	1.28YrCanc	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2523	ALL	502322	3635576	6.60E-08	1.28YrCanc	6.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2524	ALL	502372	3635576	6.81E-08	1.28YrCanc	6.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2525	ALL	502422	3635576	7.02E-08	1.28YrCanc	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2526	ALL	502472	3635576	7.27E-08	1.28YrCanc	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2527	ALL	502522	3635576	7.54E-08	1.28YrCanc	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2528	ALL	502572	3635576	7.82E-08	1.28YrCanc	7.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2529	ALL	502622	3635576	8.09E-08	1.28YrCanc	8.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2530	ALL	502672	3635576	8.37E-08	1.28YrCanc	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2531	ALL	502722	3635576	8.68E-08	1.28YrCanc	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2532	ALL	502772	3635576	9.04E-08	1.28YrCanc	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2533	ALL	502822	3635576	9.41E-08	1.28YrCanc	9.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2534	ALL	502872	3635576	9.78E-08	1.28YrCanc	9.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2535	ALL	502922	3635576	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2536	ALL	502972	3635576	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2537	ALL	503022	3635576	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2538	ALL	503072	3635576	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2539	ALL	503122	3635576	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2540	ALL	503172	3635576	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2541	ALL	503222	3635576	1.25E-07	1.28YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2542	ALL	503272	3635576	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2543	ALL	503322	3635576	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2544	ALL	503372	3635576	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2545	ALL	503422	3635576	1.41E-07	1.28YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2546	ALL	503472	3635576	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2547	ALL	503522	3635576	1.50E-07	1.28YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2548	ALL	503572	3635576	1.52E-07	1.28YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2549	ALL	503622	3635576	1.51E-07	1.28YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2550	ALL	503672	3635576	1.53E-07	1.28YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2551	ALL	503722	3635576	1.54E-07	1.28YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2552	ALL	503772	3635576	1.56E-07	1.28YrCanc	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2553	ALL	503822	3635576	1.57E-07	1.28YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2554	ALL	503872	3635576	1.58E-07	1.28YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2555	ALL	503922	3635576	1.60E-07	1.28YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2556	ALL	503972	3635576	1.62E-07	1.28YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2557	ALL	504022	3635576	1.53E-07	1.28YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2558	ALL	504072	3635576	1.50E-07	1.28YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2559	ALL	504122	3635576	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2560	ALL	504172	3635576	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2561	ALL	504222	3635576	1.42E-07	1.28YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2562	ALL	504272	3635576	1.39E-07	1.28YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2563	ALL	504322	3635576	1.35E-07	1.28YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2564	ALL	504372	3635576	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2565	ALL	504422	3635576	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2566	ALL	504472	3635576	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2567	ALL	504522	3635576	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2568	ALL	504572	3635576	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2569	ALL	504622	3635576	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2570	ALL	504672	3635576	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2571	ALL	504722	3635576	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2572	ALL	504772	3635576	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2573	ALL	504822	3635576	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2574	ALL	504872	3635576	9.76E-08	1.28YrCanc	9.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2575	ALL	504922	3635576	9.22E-08	1.28YrCanc	9.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2576	ALL	504972	3635576	8.97E-08	1.28YrCanc	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2577	ALL	505022	3635576	8.64E-08	1.28YrCanc	8.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2578	ALL	505072	3635576	8.29E-08	1.28YrCanc	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2579	ALL	505122	3635576	8.00E-08	1.28YrCanc	8.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2580	ALL	505172	3635576	7.61E-08	1.28YrCanc	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2581	ALL	505222	3635576	7.34E-08	1.28YrCanc	7.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2582	ALL	502222	3635626	5.87E-08	1.28YrCanc	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2583	ALL	502272	3635626	6.14E-08	1.28YrCanc	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2584	ALL	502322	3635626	6.35E-08	1.28YrCanc	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2585	ALL	502372	3635626	6.58E-08	1.28YrCanc	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2586	ALL	502422	3635626	6.73E-08	1.28YrCanc	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2587	ALL	502472	3635626	6.95E-08	1.28YrCanc	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2588	ALL	502522	3635626	7.19E-08	1.28YrCanc	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2589	ALL	502572	3635626	7.52E-08	1.28YrCanc	7.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2590	ALL	502622	3635626	7.81E-08	1.28YrCanc	7.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2591	ALL	502672	3635626	8.07E-08	1.28YrCanc	8.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2592	ALL	502722	3635626	8.34E-08	1.28YrCanc	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2593	ALL	502772	3635626	8.66E-08	1.28YrCanc	8.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2594	ALL	502822	3635626	8.97E-08	1.28YrCanc	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2595	ALL	502872	3635626	9.31E-08	1.28YrCanc	9.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2596	ALL	502922	3635626	9.65E-08	1.28YrCanc	9.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2597	ALL	502972	3635626	1.00E-07	1.28YrCanc	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2598	ALL	503022	3635626	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2599	ALL	503072	3635626	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2600	ALL	503122	3635626	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2601	ALL	503172	3635626	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2602	ALL	503222	3635626	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2603	ALL	503272	3635626	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2604	ALL	503322	3635626	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2605	ALL	503372	3635626	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2606	ALL	503422	3635626	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2607	ALL	503472	3635626	1.38E-07	1.28YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2608	ALL	503522	3635626	1.42E-07	1.28YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2609	ALL	503572	3635626	1.43E-07	1.28YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2610	ALL	503622	3635626	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2611	ALL	503672	3635626	1.45E-07	1.28YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2612	ALL	503722	3635626	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2613	ALL	503772	3635626	1.47E-07	1.28YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2614	ALL	503822	3635626	1.47E-07	1.28YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2615	ALL	503872	3635626	1.46E-07	1.28YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2616	ALL	503922	3635626	1.48E-07	1.28YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2617	ALL	503972	3635626	1.49E-07	1.28YrCanc	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2618	ALL	504022	3635626	1.44E-07	1.28YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2619	ALL	504072	3635626	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2620	ALL	504122	3635626	1.39E-07	1.28YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2621	ALL	504172	3635626	1.37E-07	1.28YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2622	ALL	504222	3635626	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2623	ALL	504272	3635626	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2624	ALL	504322	3635626	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2625	ALL	504372	3635626	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2626	ALL	504422	3635626	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2627	ALL	504472	3635626	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2628	ALL	504522	3635626	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2629	ALL	504572	3635626	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2630	ALL	504622	3635626	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2631	ALL	504672	3635626	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2632	ALL	504722	3635626	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2633	ALL	504772	3635626	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2634	ALL	504822	3635626	9.80E-08	1.28YrCanc	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2635	ALL	504872	3635626	9.41E-08	1.28YrCanc	9.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2636	ALL	504922	3635626	8.89E-08	1.28YrCanc	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2637	ALL	504972	3635626	8.71E-08	1.28YrCanc	8.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2638	ALL	505022	3635626	8.25E-08	1.28YrCanc	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2639	ALL	505072	3635626	7.93E-08	1.28YrCanc	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2640	ALL	505122	3635626	7.75E-08	1.28YrCanc	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2641	ALL	505172	3635626	7.42E-08	1.28YrCanc	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2642	ALL	505222	3635626	7.12E-08	1.28YrCanc	7.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2643	ALL	502222	3635676	5.59E-08	1.28YrCanc	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2644	ALL	502272	3635676	5.87E-08	1.28YrCanc	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2645	ALL	502322	3635676	6.07E-08	1.28YrCanc	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2646	ALL	502372	3635676	6.29E-08	1.28YrCanc	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2647	ALL	502422	3635676	6.47E-08	1.28YrCanc	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2648	ALL	502472	3635676	6.70E-08	1.28YrCanc	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2649	ALL	502522	3635676	6.94E-08	1.28YrCanc	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2650	ALL	502572	3635676	7.22E-08	1.28YrCanc	7.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2651	ALL	502622	3635676	7.51E-08	1.28YrCanc	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2652	ALL	502672	3635676	7.78E-08	1.28YrCanc	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2653	ALL	502722	3635676	8.02E-08	1.28YrCanc	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2654	ALL	502772	3635676	8.26E-08	1.28YrCanc	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2655	ALL	502822	3635676	8.56E-08	1.28YrCanc	8.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2656	ALL	502872	3635676	8.86E-08	1.28YrCanc	8.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2657	ALL	502922	3635676	9.11E-08	1.28YrCanc	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2658	ALL	502972	3635676	9.48E-08	1.28YrCanc	9.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2659	ALL	503022	3635676	9.79E-08	1.28YrCanc	9.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2660	ALL	503072	3635676	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2661	ALL	503122	3635676	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2662	ALL	503172	3635676	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2663	ALL	503222	3635676	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2664	ALL	503272	3635676	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2665	ALL	503322	3635676	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2666	ALL	503372	3635676	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2667	ALL	503422	3635676	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2668	ALL	503472	3635676	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2669	ALL	503522	3635676	1.33E-07	1.28YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2670	ALL	503572	3635676	1.35E-07	1.28YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2671	ALL	503622	3635676	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2672	ALL	503672	3635676	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2673	ALL	503722	3635676	1.38E-07	1.28YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2674	ALL	503772	3635676	1.39E-07	1.28YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2675	ALL	503822	3635676	1.38E-07	1.28YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2676	ALL	503872	3635676	1.38E-07	1.28YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2677	ALL	503922	3635676	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2678	ALL	503972	3635676	1.40E-07	1.28YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2679	ALL	504022	3635676	1.36E-07	1.28YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2680	ALL	504072	3635676	1.34E-07	1.28YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2681	ALL	504122	3635676	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2682	ALL	504172	3635676	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2683	ALL	504222	3635676	1.26E-07	1.28YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2684	ALL	504272	3635676	1.25E-07	1.28YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2685	ALL	504322	3635676	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2686	ALL	504372	3635676	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2687	ALL	504422	3635676	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2688	ALL	504472	3635676	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2689	ALL	504522	3635676	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2690	ALL	504572	3635676	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2691	ALL	504622	3635676	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2692	ALL	504672	3635676	9.99E-08	1.28YrCanc	9.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2693	ALL	504722	3635676	9.71E-08	1.28YrCanc	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2694	ALL	504772	3635676	9.86E-08	1.28YrCanc	9.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2695	ALL	504822	3635676	9.41E-08	1.28YrCanc	9.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2696	ALL	504872	3635676	9.06E-08	1.28YrCanc	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2697	ALL	504922	3635676	8.59E-08	1.28YrCanc	8.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2698	ALL	504972	3635676	8.45E-08	1.28YrCanc	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2699	ALL	505022	3635676	8.10E-08	1.28YrCanc	8.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2700	ALL	505072	3635676	7.71E-08	1.28YrCanc	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2701	ALL	505122	3635676	7.55E-08	1.28YrCanc	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2702	ALL	505172	3635676	7.26E-08	1.28YrCanc	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2703	ALL	505222	3635676	6.96E-08	1.28YrCanc	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2704	ALL	502222	3635726	5.36E-08	1.28YrCanc	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2705	ALL	502272	3635726	5.65E-08	1.28YrCanc	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2706	ALL	502322	3635726	5.87E-08	1.28YrCanc	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2707	ALL	502372	3635726	6.09E-08	1.28YrCanc	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2708	ALL	502422	3635726	6.26E-08	1.28YrCanc	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2709	ALL	502472	3635726	6.48E-08	1.28YrCanc	6.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2710	ALL	502522	3635726	6.69E-08	1.28YrCanc	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2711	ALL	502572	3635726	6.98E-08	1.28YrCanc	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2712	ALL	502622	3635726	7.25E-08	1.28YrCanc	7.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2713	ALL	502672	3635726	7.48E-08	1.28YrCanc	7.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2714	ALL	502722	3635726	7.73E-08	1.28YrCanc	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2715	ALL	502772	3635726	7.96E-08	1.28YrCanc	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2716	ALL	502822	3635726	8.22E-08	1.28YrCanc	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2717	ALL	502872	3635726	8.50E-08	1.28YrCanc	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2718	ALL	502922	3635726	8.68E-08	1.28YrCanc	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2719	ALL	502972	3635726	8.98E-08	1.28YrCanc	8.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2720	ALL	503022	3635726	9.24E-08	1.28YrCanc	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2721	ALL	503072	3635726	9.59E-08	1.28YrCanc	9.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2722	ALL	503122	3635726	9.86E-08	1.28YrCanc	9.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2723	ALL	503172	3635726	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2724	ALL	503222	3635726	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2725	ALL	503272	3635726	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2726	ALL	503322	3635726	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2727	ALL	503372	3635726	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2728	ALL	503422	3635726	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2729	ALL	503472	3635726	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2730	ALL	503522	3635726	1.25E-07	1.28YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2731	ALL	503572	3635726	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2732	ALL	503622	3635726	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2733	ALL	503672	3635726	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2734	ALL	503722	3635726	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2735	ALL	503772	3635726	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2736	ALL	503822	3635726	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2737	ALL	503872	3635726	1.30E-07	1.28YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2738	ALL	503922	3635726	1.31E-07	1.28YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2739	ALL	503972	3635726	1.32E-07	1.28YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2740	ALL	504022	3635726	1.29E-07	1.28YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2741	ALL	504072	3635726	1.28E-07	1.28YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2742	ALL	504122	3635726	1.25E-07	1.28YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2743	ALL	504172	3635726	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2744	ALL	504222	3635726	1.25E-07	1.28YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2745	ALL	504272	3635726	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2746	ALL	504322	3635726	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2747	ALL	504372	3635726	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2748	ALL	504422	3635726	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2749	ALL	504472	3635726	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2750	ALL	504522	3635726	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2751	ALL	504572	3635726	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2752	ALL	504622	3635726	9.96E-08	1.28YrCanc	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2753	ALL	504672	3635726	9.77E-08	1.28YrCanc	9.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2754	ALL	504722	3635726	9.30E-08	1.28YrCanc	9.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2755	ALL	504772	3635726	9.04E-08	1.28YrCanc	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2756	ALL	504822	3635726	8.92E-08	1.28YrCanc	8.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2757	ALL	504872	3635726	8.57E-08	1.28YrCanc	8.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2758	ALL	504922	3635726	8.29E-08	1.28YrCanc	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2759	ALL	504972	3635726	8.19E-08	1.28YrCanc	8.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2760	ALL	505022	3635726	7.93E-08	1.28YrCanc	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2761	ALL	505072	3635726	7.57E-08	1.28YrCanc	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2762	ALL	505122	3635726	7.37E-08	1.28YrCanc	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2763	ALL	505172	3635726	7.09E-08	1.28YrCanc	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2764	ALL	505222	3635726	6.81E-08	1.28YrCanc	6.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2765	ALL	502222	3635776	5.18E-08	1.28YrCanc	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2766	ALL	502272	3635776	5.47E-08	1.28YrCanc	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2767	ALL	502322	3635776	5.67E-08	1.28YrCanc	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2768	ALL	502372	3635776	5.90E-08	1.28YrCanc	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2769	ALL	502422	3635776	6.07E-08	1.28YrCanc	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2770	ALL	502472	3635776	6.27E-08	1.28YrCanc	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2771	ALL	502522	3635776	6.47E-08	1.28YrCanc	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2772	ALL	502572	3635776	6.71E-08	1.28YrCanc	6.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2773	ALL	502622	3635776	6.95E-08	1.28YrCanc	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2774	ALL	502672	3635776	7.18E-08	1.28YrCanc	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2775	ALL	502722	3635776	7.45E-08	1.28YrCanc	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2776	ALL	502772	3635776	7.69E-08	1.28YrCanc	7.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2777	ALL	502822	3635776	7.93E-08	1.28YrCanc	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2778	ALL	502872	3635776	8.16E-08	1.28YrCanc	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2779	ALL	502922	3635776	8.34E-08	1.28YrCanc	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2780	ALL	502972	3635776	8.62E-08	1.28YrCanc	8.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2781	ALL	503022	3635776	8.79E-08	1.28YrCanc	8.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2782	ALL	503072	3635776	9.08E-08	1.28YrCanc	9.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2783	ALL	503122	3635776	9.35E-08	1.28YrCanc	9.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2784	ALL	503172	3635776	9.67E-08	1.28YrCanc	9.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2785	ALL	503222	3635776	9.56E-08	1.28YrCanc	9.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2786	ALL	503272	3635776	9.62E-08	1.28YrCanc	9.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2787	ALL	503322	3635776	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2788	ALL	503372	3635776	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2789	ALL	503422	3635776	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2790	ALL	503472	3635776	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2791	ALL	503522	3635776	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2792	ALL	503572	3635776	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2793	ALL	503622	3635776	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2794	ALL	503672	3635776	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2795	ALL	503722	3635776	1.22E-07	1.28YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2796	ALL	503772	3635776	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2797	ALL	503822	3635776	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2798	ALL	503872	3635776	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2799	ALL	503922	3635776	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2800	ALL	503972	3635776	1.27E-07	1.28YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2801	ALL	504022	3635776	1.23E-07	1.28YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2802	ALL	504072	3635776	1.24E-07	1.28YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2803	ALL	504122	3635776	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2804	ALL	504172	3635776	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2805	ALL	504222	3635776	1.20E-07	1.28YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2806	ALL	504272	3635776	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2807	ALL	504322	3635776	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2808	ALL	504372	3635776	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2809	ALL	504422	3635776	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2810	ALL	504472	3635776	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2811	ALL	504522	3635776	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2812	ALL	504572	3635776	9.79E-08	1.28YrCanc	9.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2813	ALL	504622	3635776	9.64E-08	1.28YrCanc	9.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2814	ALL	504672	3635776	9.30E-08	1.28YrCanc	9.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2815	ALL	504722	3635776	8.95E-08	1.28YrCanc	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2816	ALL	504772	3635776	8.72E-08	1.28YrCanc	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2817	ALL	504822	3635776	8.48E-08	1.28YrCanc	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2818	ALL	504872	3635776	8.25E-08	1.28YrCanc	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2819	ALL	504922	3635776	8.01E-08	1.28YrCanc	8.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2820	ALL	504972	3635776	7.94E-08	1.28YrCanc	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2821	ALL	505022	3635776	7.70E-08	1.28YrCanc	7.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2822	ALL	505072	3635776	7.37E-08	1.28YrCanc	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2823	ALL	505122	3635776	7.16E-08	1.28YrCanc	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2824	ALL	505172	3635776	6.91E-08	1.28YrCanc	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2825	ALL	505222	3635776	6.66E-08	1.28YrCanc	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2826	ALL	502222	3635826	5.01E-08	1.28YrCanc	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2827	ALL	502272	3635826	5.30E-08	1.28YrCanc	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2828	ALL	502322	3635826	5.50E-08	1.28YrCanc	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2829	ALL	502372	3635826	5.72E-08	1.28YrCanc	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2830	ALL	502422	3635826	5.88E-08	1.28YrCanc	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2831	ALL	502472	3635826	6.08E-08	1.28YrCanc	6.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2832	ALL	502522	3635826	6.26E-08	1.28YrCanc	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2833	ALL	502572	3635826	6.49E-08	1.28YrCanc	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2834	ALL	502622	3635826	6.72E-08	1.28YrCanc	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2835	ALL	502672	3635826	6.94E-08	1.28YrCanc	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2836	ALL	502722	3635826	7.17E-08	1.28YrCanc	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2837	ALL	502772	3635826	7.41E-08	1.28YrCanc	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2838	ALL	502822	3635826	7.63E-08	1.28YrCanc	7.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2839	ALL	502872	3635826	7.85E-08	1.28YrCanc	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2840	ALL	502922	3635826	8.01E-08	1.28YrCanc	8.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2841	ALL	502972	3635826	8.28E-08	1.28YrCanc	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2842	ALL	503022	3635826	8.34E-08	1.28YrCanc	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2843	ALL	503072	3635826	8.52E-08	1.28YrCanc	8.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2844	ALL	503122	3635826	8.81E-08	1.28YrCanc	8.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2845	ALL	503172	3635826	9.12E-08	1.28YrCanc	9.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2846	ALL	503222	3635826	8.87E-08	1.28YrCanc	8.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2847	ALL	503272	3635826	9.04E-08	1.28YrCanc	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2848	ALL	503322	3635826	9.45E-08	1.28YrCanc	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2849	ALL	503372	3635826	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2850	ALL	503422	3635826	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2851	ALL	503472	3635826	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2852	ALL	503522	3635826	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2853	ALL	503572	3635826	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2854	ALL	503622	3635826	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2855	ALL	503672	3635826	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2856	ALL	503722	3635826	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2857	ALL	503772	3635826	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2858	ALL	503822	3635826	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2859	ALL	503872	3635826	1.18E-07	1.28YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2860	ALL	503922	3635826	1.19E-07	1.28YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2861	ALL	503972	3635826	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2862	ALL	504022	3635826	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2863	ALL	504072	3635826	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2864	ALL	504122	3635826	1.21E-07	1.28YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2865	ALL	504172	3635826	1.17E-07	1.28YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2866	ALL	504222	3635826	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2867	ALL	504272	3635826	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2868	ALL	504322	3635826	1.12E-07	1.28YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2869	ALL	504372	3635826	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2870	ALL	504422	3635826	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2871	ALL	504472	3635826	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2872	ALL	504522	3635826	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2873	ALL	504572	3635826	9.61E-08	1.28YrCanc	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2874	ALL	504622	3635826	9.36E-08	1.28YrCanc	9.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2875	ALL	504672	3635826	8.95E-08	1.28YrCanc	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2876	ALL	504722	3635826	8.55E-08	1.28YrCanc	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2877	ALL	504772	3635826	8.33E-08	1.28YrCanc	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2878	ALL	504822	3635826	8.20E-08	1.28YrCanc	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2879	ALL	504872	3635826	8.03E-08	1.28YrCanc	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2880	ALL	504922	3635826	7.77E-08	1.28YrCanc	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2881	ALL	504972	3635826	7.64E-08	1.28YrCanc	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2882	ALL	505022	3635826	7.42E-08	1.28YrCanc	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2883	ALL	505072	3635826	7.21E-08	1.28YrCanc	7.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2884	ALL	505122	3635826	6.96E-08	1.28YrCanc	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2885	ALL	505172	3635826	6.75E-08	1.28YrCanc	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2886	ALL	505222	3635826	6.52E-08	1.28YrCanc	6.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2887	ALL	502222	3635876	4.87E-08	1.28YrCanc	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2888	ALL	502272	3635876	5.15E-08	1.28YrCanc	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2889	ALL	502322	3635876	5.36E-08	1.28YrCanc	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2890	ALL	502372	3635876	5.55E-08	1.28YrCanc	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2891	ALL	502422	3635876	5.70E-08	1.28YrCanc	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2892	ALL	502472	3635876	5.89E-08	1.28YrCanc	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2893	ALL	502522	3635876	6.06E-08	1.28YrCanc	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2894	ALL	502572	3635876	6.27E-08	1.28YrCanc	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2895	ALL	502622	3635876	6.46E-08	1.28YrCanc	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2896	ALL	502672	3635876	6.68E-08	1.28YrCanc	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2897	ALL	502722	3635876	6.91E-08	1.28YrCanc	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2898	ALL	502772	3635876	7.14E-08	1.28YrCanc	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2899	ALL	502822	3635876	7.34E-08	1.28YrCanc	7.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2900	ALL	502872	3635876	7.56E-08	1.28YrCanc	7.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2901	ALL	502922	3635876	7.65E-08	1.28YrCanc	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2902	ALL	502972	3635876	7.90E-08	1.28YrCanc	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2903	ALL	503022	3635876	7.93E-08	1.28YrCanc	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2904	ALL	503072	3635876	8.10E-08	1.28YrCanc	8.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2905	ALL	503122	3635876	8.34E-08	1.28YrCanc	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2906	ALL	503172	3635876	8.63E-08	1.28YrCanc	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2907	ALL	503222	3635876	8.72E-08	1.28YrCanc	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2908	ALL	503272	3635876	8.78E-08	1.28YrCanc	8.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2909	ALL	503322	3635876	9.29E-08	1.28YrCanc	9.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2910	ALL	503372	3635876	9.60E-08	1.28YrCanc	9.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2911	ALL	503422	3635876	9.99E-08	1.28YrCanc	9.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2912	ALL	503472	3635876	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2913	ALL	503522	3635876	9.51E-08	1.28YrCanc	9.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2914	ALL	503572	3635876	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2915	ALL	503622	3635876	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2916	ALL	503672	3635876	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2917	ALL	503722	3635876	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2918	ALL	503772	3635876	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2919	ALL	503822	3635876	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2920	ALL	503872	3635876	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2921	ALL	503922	3635876	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2922	ALL	503972	3635876	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2923	ALL	504022	3635876	1.13E-07	1.28YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2924	ALL	504072	3635876	1.16E-07	1.28YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2925	ALL	504122	3635876	1.15E-07	1.28YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2926	ALL	504172	3635876	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2927	ALL	504222	3635876	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2928	ALL	504272	3635876	1.14E-07	1.28YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2929	ALL	504322	3635876	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2930	ALL	504372	3635876	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2931	ALL	504422	3635876	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2932	ALL	504472	3635876	9.95E-08	1.28YrCanc	9.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2933	ALL	504522	3635876	9.66E-08	1.28YrCanc	9.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2934	ALL	504572	3635876	9.37E-08	1.28YrCanc	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2935	ALL	504622	3635876	9.08E-08	1.28YrCanc	9.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2936	ALL	504672	3635876	8.76E-08	1.28YrCanc	8.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2937	ALL	504722	3635876	8.22E-08	1.28YrCanc	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2938	ALL	504772	3635876	8.02E-08	1.28YrCanc	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2939	ALL	504822	3635876	7.91E-08	1.28YrCanc	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2940	ALL	504872	3635876	7.70E-08	1.28YrCanc	7.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2941	ALL	504922	3635876	7.52E-08	1.28YrCanc	7.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2942	ALL	504972	3635876	7.42E-08	1.28YrCanc	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2943	ALL	505022	3635876	7.18E-08	1.28YrCanc	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2944	ALL	505072	3635876	6.95E-08	1.28YrCanc	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2945	ALL	505122	3635876	6.77E-08	1.28YrCanc	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2946	ALL	505172	3635876	6.57E-08	1.28YrCanc	6.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2947	ALL	505222	3635876	6.37E-08	1.28YrCanc	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2948	ALL	502222	3635926	4.72E-08	1.28YrCanc	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2949	ALL	502272	3635926	5.00E-08	1.28YrCanc	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2950	ALL	502322	3635926	5.19E-08	1.28YrCanc	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2951	ALL	502372	3635926	5.39E-08	1.28YrCanc	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2952	ALL	502422	3635926	5.54E-08	1.28YrCanc	5.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2953	ALL	502472	3635926	5.71E-08	1.28YrCanc	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2954	ALL	502522	3635926	5.85E-08	1.28YrCanc	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2955	ALL	502572	3635926	6.05E-08	1.28YrCanc	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2956	ALL	502622	3635926	6.24E-08	1.28YrCanc	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2957	ALL	502672	3635926	6.44E-08	1.28YrCanc	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2958	ALL	502722	3635926	6.66E-08	1.28YrCanc	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2959	ALL	502772	3635926	6.88E-08	1.28YrCanc	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2960	ALL	502822	3635926	7.07E-08	1.28YrCanc	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2961	ALL	502872	3635926	7.27E-08	1.28YrCanc	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2962	ALL	502922	3635926	7.35E-08	1.28YrCanc	7.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2963	ALL	502972	3635926	7.55E-08	1.28YrCanc	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2964	ALL	503022	3635926	7.58E-08	1.28YrCanc	7.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2965	ALL	503072	3635926	7.70E-08	1.28YrCanc	7.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2966	ALL	503122	3635926	7.92E-08	1.28YrCanc	7.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2967	ALL	503172	3635926	8.13E-08	1.28YrCanc	8.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2968	ALL	503222	3635926	8.26E-08	1.28YrCanc	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2969	ALL	503272	3635926	8.49E-08	1.28YrCanc	8.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2970	ALL	503322	3635926	8.83E-08	1.28YrCanc	8.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2971	ALL	503372	3635926	9.16E-08	1.28YrCanc	9.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2972	ALL	503422	3635926	9.45E-08	1.28YrCanc	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2973	ALL	503472	3635926	9.34E-08	1.28YrCanc	9.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2974	ALL	503522	3635926	9.05E-08	1.28YrCanc	9.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2975	ALL	503572	3635926	9.78E-08	1.28YrCanc	9.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2976	ALL	503622	3635926	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2977	ALL	503672	3635926	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2978	ALL	503722	3635926	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2979	ALL	503772	3635926	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2980	ALL	503822	3635926	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2981	ALL	503872	3635926	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2982	ALL	503922	3635926	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2983	ALL	503972	3635926	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2984	ALL	504022	3635926	1.08E-07	1.28YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2985	ALL	504072	3635926	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2986	ALL	504122	3635926	1.10E-07	1.28YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2987	ALL	504172	3635926	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2988	ALL	504222	3635926	1.11E-07	1.28YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2989	ALL	504272	3635926	1.09E-07	1.28YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2990	ALL	504322	3635926	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2991	ALL	504372	3635926	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2992	ALL	504422	3635926	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2993	ALL	504472	3635926	9.98E-08	1.28YrCanc	9.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2994	ALL	504522	3635926	9.57E-08	1.28YrCanc	9.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2995	ALL	504572	3635926	9.14E-08	1.28YrCanc	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2996	ALL	504622	3635926	8.70E-08	1.28YrCanc	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2997	ALL	504672	3635926	8.50E-08	1.28YrCanc	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2998	ALL	504722	3635926	8.20E-08	1.28YrCanc	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2999 ALL	504772	3635926	7.87E-08	1.28YrCanc	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3000 ALL	504822	3635926	7.54E-08	1.28YrCanc	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3001 ALL	504872	3635926	7.39E-08	1.28YrCanc	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3002 ALL	504922	3635926	7.22E-08	1.28YrCanc	7.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3003 ALL	504972	3635926	7.20E-08	1.28YrCanc	7.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3004 ALL	505022	3635926	7.03E-08	1.28YrCanc	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3005 ALL	505072	3635926	6.84E-08	1.28YrCanc	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3006 ALL	505122	3635926	6.60E-08	1.28YrCanc	6.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3007 ALL	505172	3635926	6.39E-08	1.28YrCanc	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3008 ALL	505222	3635926	6.28E-08	1.28YrCanc	6.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3009 ALL	502222	3635976	4.55E-08	1.28YrCanc	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3010 ALL	502272	3635976	4.81E-08	1.28YrCanc	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3011 ALL	502322	3635976	5.00E-08	1.28YrCanc	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3012 ALL	502372	3635976	5.22E-08	1.28YrCanc	5.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3013 ALL	502422	3635976	5.36E-08	1.28YrCanc	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3014 ALL	502472	3635976	5.53E-08	1.28YrCanc	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3015 ALL	502522	3635976	5.67E-08	1.28YrCanc	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3016 ALL	502572	3635976	5.88E-08	1.28YrCanc	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3017 ALL	502622	3635976	6.06E-08	1.28YrCanc	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3018 ALL	502672	3635976	6.23E-08	1.28YrCanc	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3019 ALL	502722	3635976	6.43E-08	1.28YrCanc	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3020 ALL	502772	3635976	6.63E-08	1.28YrCanc	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3021 ALL	502822	3635976	6.80E-08	1.28YrCanc	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3022 ALL	502872	3635976	7.00E-08	1.28YrCanc	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3023 ALL	502922	3635976	7.08E-08	1.28YrCanc	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3024 ALL	502972	3635976	7.26E-08	1.28YrCanc	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3025 ALL	503022	3635976	7.27E-08	1.28YrCanc	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3026 ALL	503072	3635976	7.42E-08	1.28YrCanc	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3027 ALL	503122	3635976	7.56E-08	1.28YrCanc	7.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3028 ALL	503172	3635976	7.74E-08	1.28YrCanc	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3029 ALL	503222	3635976	7.91E-08	1.28YrCanc	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3030 ALL	503272	3635976	8.18E-08	1.28YrCanc	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3031 ALL	503322	3635976	8.45E-08	1.28YrCanc	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3032 ALL	503372	3635976	8.82E-08	1.28YrCanc	8.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3033 ALL	503422	3635976	8.73E-08	1.28YrCanc	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3034 ALL	503472	3635976	8.68E-08	1.28YrCanc	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3035 ALL	503522	3635976	9.01E-08	1.28YrCanc	9.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3036 ALL	503572	3635976	9.67E-08	1.28YrCanc	9.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3037 ALL	503622	3635976	9.89E-08	1.28YrCanc	9.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3038 ALL	503672	3635976	9.99E-08	1.28YrCanc	9.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3039 ALL	503722	3635976	1.00E-07	1.28YrCanc	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3040 ALL	503772	3635976	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3041 ALL	503822	3635976	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3042 ALL	503872	3635976	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3043 ALL	503922	3635976	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3044 ALL	503972	3635976	1.02E-07	1.28YrCanc	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3045 ALL	504022	3635976	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3046 ALL	504072	3635976	1.05E-07	1.28YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3047 ALL	504122	3635976	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3048 ALL	504172	3635976	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3049	ALL	504222	3635976	1.07E-07	1.28YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3050	ALL	504272	3635976	1.06E-07	1.28YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3051	ALL	504322	3635976	1.04E-07	1.28YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3052	ALL	504372	3635976	1.03E-07	1.28YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3053	ALL	504422	3635976	1.01E-07	1.28YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3054	ALL	504472	3635976	9.82E-08	1.28YrCanc	9.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3055	ALL	504522	3635976	9.56E-08	1.28YrCanc	9.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3056	ALL	504572	3635976	9.24E-08	1.28YrCanc	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3057	ALL	504622	3635976	8.98E-08	1.28YrCanc	8.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3058	ALL	504672	3635976	8.56E-08	1.28YrCanc	8.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3059	ALL	504722	3635976	8.24E-08	1.28YrCanc	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3060	ALL	504772	3635976	7.87E-08	1.28YrCanc	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3061	ALL	504822	3635976	7.51E-08	1.28YrCanc	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3062	ALL	504872	3635976	7.24E-08	1.28YrCanc	7.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3063	ALL	504922	3635976	7.00E-08	1.28YrCanc	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3064	ALL	504972	3635976	6.96E-08	1.28YrCanc	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3065	ALL	505022	3635976	6.82E-08	1.28YrCanc	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3066	ALL	505072	3635976	6.65E-08	1.28YrCanc	6.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3067	ALL	505122	3635976	6.45E-08	1.28YrCanc	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3068	ALL	505172	3635976	6.26E-08	1.28YrCanc	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3069	ALL	505222	3635976	6.05E-08	1.28YrCanc	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3070	ALL	501722	3632476	3.13E-08	1.28YrCanc	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3071	ALL	501822	3632476	3.26E-08	1.28YrCanc	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3072	ALL	501922	3632476	3.40E-08	1.28YrCanc	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3073	ALL	502022	3632476	3.55E-08	1.28YrCanc	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3074	ALL	502122	3632476	3.70E-08	1.28YrCanc	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3075	ALL	502222	3632476	3.85E-08	1.28YrCanc	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3076	ALL	502322	3632476	4.01E-08	1.28YrCanc	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3077	ALL	502422	3632476	4.17E-08	1.28YrCanc	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3078	ALL	502522	3632476	4.34E-08	1.28YrCanc	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3079	ALL	502622	3632476	4.50E-08	1.28YrCanc	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3080	ALL	502722	3632476	4.59E-08	1.28YrCanc	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3081	ALL	502822	3632476	4.59E-08	1.28YrCanc	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3082	ALL	502922	3632476	4.44E-08	1.28YrCanc	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3083	ALL	503022	3632476	4.34E-08	1.28YrCanc	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3084	ALL	503122	3632476	4.18E-08	1.28YrCanc	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3085	ALL	503222	3632476	4.36E-08	1.28YrCanc	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3086	ALL	503322	3632476	4.10E-08	1.28YrCanc	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3087	ALL	503422	3632476	3.98E-08	1.28YrCanc	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3088	ALL	503722	3632476	3.77E-08	1.28YrCanc	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3089	ALL	503822	3632476	3.48E-08	1.28YrCanc	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3090	ALL	503922	3632476	3.20E-08	1.28YrCanc	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3091	ALL	504022	3632476	2.97E-08	1.28YrCanc	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3092	ALL	504122	3632476	2.92E-08	1.28YrCanc	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3093	ALL	504222	3632476	2.74E-08	1.28YrCanc	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3094	ALL	504322	3632476	2.67E-08	1.28YrCanc	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3095	ALL	504422	3632476	2.86E-08	1.28YrCanc	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3096	ALL	504522	3632476	3.05E-08	1.28YrCanc	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3097	ALL	504622	3632476	2.66E-08	1.28YrCanc	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3098	ALL	504722	3632476	2.53E-08	1.28YrCanc	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3099	ALL	504822	3632476	2.54E-08	1.28YrCanc	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3100	ALL	504922	3632476	2.49E-08	1.28YrCanc	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3101	ALL	505022	3632476	2.42E-08	1.28YrCanc	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3102	ALL	505122	3632476	2.45E-08	1.28YrCanc	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3103	ALL	505222	3632476	2.38E-08	1.28YrCanc	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3104	ALL	505322	3632476	2.37E-08	1.28YrCanc	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3105	ALL	505422	3632476	2.38E-08	1.28YrCanc	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3106	ALL	505522	3632476	2.40E-08	1.28YrCanc	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3107	ALL	505622	3632476	2.47E-08	1.28YrCanc	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3108	ALL	505722	3632476	2.57E-08	1.28YrCanc	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3109	ALL	501722	3632576	3.26E-08	1.28YrCanc	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3110	ALL	501822	3632576	3.40E-08	1.28YrCanc	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3111	ALL	501922	3632576	3.55E-08	1.28YrCanc	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3112	ALL	502022	3632576	3.71E-08	1.28YrCanc	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3113	ALL	502122	3632576	3.88E-08	1.28YrCanc	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3114	ALL	502222	3632576	4.05E-08	1.28YrCanc	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3115	ALL	502322	3632576	4.23E-08	1.28YrCanc	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3116	ALL	502422	3632576	4.41E-08	1.28YrCanc	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3117	ALL	502522	3632576	4.60E-08	1.28YrCanc	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3118	ALL	502622	3632576	4.79E-08	1.28YrCanc	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3119	ALL	502722	3632576	4.97E-08	1.28YrCanc	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3120	ALL	502822	3632576	5.10E-08	1.28YrCanc	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3121	ALL	502922	3632576	4.95E-08	1.28YrCanc	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3122	ALL	503022	3632576	4.75E-08	1.28YrCanc	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3123	ALL	503122	3632576	4.72E-08	1.28YrCanc	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3124	ALL	503222	3632576	4.65E-08	1.28YrCanc	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3125	ALL	503322	3632576	4.46E-08	1.28YrCanc	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3126	ALL	503422	3632576	4.24E-08	1.28YrCanc	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3127	ALL	503722	3632576	3.87E-08	1.28YrCanc	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3128	ALL	503822	3632576	3.55E-08	1.28YrCanc	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3129	ALL	503922	3632576	2.83E-08	1.28YrCanc	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3130	ALL	504022	3632576	2.67E-08	1.28YrCanc	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3131	ALL	504122	3632576	2.66E-08	1.28YrCanc	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3132	ALL	504222	3632576	2.64E-08	1.28YrCanc	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3133	ALL	504322	3632576	2.59E-08	1.28YrCanc	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3134	ALL	504422	3632576	2.68E-08	1.28YrCanc	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3135	ALL	504522	3632576	2.97E-08	1.28YrCanc	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3136	ALL	504622	3632576	2.86E-08	1.28YrCanc	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3137	ALL	504722	3632576	2.62E-08	1.28YrCanc	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3138	ALL	504822	3632576	2.66E-08	1.28YrCanc	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3139	ALL	504922	3632576	2.61E-08	1.28YrCanc	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3140	ALL	505022	3632576	2.54E-08	1.28YrCanc	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3141	ALL	505122	3632576	2.59E-08	1.28YrCanc	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3142	ALL	505222	3632576	2.59E-08	1.28YrCanc	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3143	ALL	505322	3632576	2.59E-08	1.28YrCanc	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3144	ALL	505422	3632576	2.62E-08	1.28YrCanc	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3145	ALL	505522	3632576	2.65E-08	1.28YrCanc	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3146	ALL	505622	3632576	2.73E-08	1.28YrCanc	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3147	ALL	505722	3632576	2.78E-08	1.28YrCanc	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3148	ALL	501722	3632676	3.39E-08	1.28YrCanc	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3149	ALL	501822	3632676	3.55E-08	1.28YrCanc	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3150	ALL	501922	3632676	3.71E-08	1.28YrCanc	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3151	ALL	502022	3632676	3.89E-08	1.28YrCanc	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3152	ALL	502122	3632676	4.07E-08	1.28YrCanc	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3153	ALL	502222	3632676	4.26E-08	1.28YrCanc	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3154	ALL	502322	3632676	4.46E-08	1.28YrCanc	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3155	ALL	502422	3632676	4.67E-08	1.28YrCanc	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3156	ALL	502522	3632676	4.88E-08	1.28YrCanc	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3157	ALL	502622	3632676	5.10E-08	1.28YrCanc	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3158	ALL	502722	3632676	5.32E-08	1.28YrCanc	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3159	ALL	502822	3632676	4.98E-08	1.28YrCanc	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3160	ALL	502922	3632676	4.75E-08	1.28YrCanc	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3161	ALL	503022	3632676	4.68E-08	1.28YrCanc	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3162	ALL	503722	3632676	4.14E-08	1.28YrCanc	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3163	ALL	503822	3632676	3.89E-08	1.28YrCanc	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3164	ALL	503922	3632676	3.51E-08	1.28YrCanc	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3165	ALL	504022	3632676	3.06E-08	1.28YrCanc	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3166	ALL	504122	3632676	2.87E-08	1.28YrCanc	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3167	ALL	504222	3632676	2.79E-08	1.28YrCanc	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3168	ALL	504322	3632676	2.78E-08	1.28YrCanc	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3169	ALL	504422	3632676	2.83E-08	1.28YrCanc	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3170	ALL	504522	3632676	2.90E-08	1.28YrCanc	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3171	ALL	504622	3632676	2.87E-08	1.28YrCanc	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3172	ALL	504722	3632676	2.83E-08	1.28YrCanc	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3173	ALL	504822	3632676	2.84E-08	1.28YrCanc	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3174	ALL	504922	3632676	2.80E-08	1.28YrCanc	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3175	ALL	505022	3632676	2.78E-08	1.28YrCanc	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3176	ALL	505122	3632676	2.80E-08	1.28YrCanc	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3177	ALL	505222	3632676	2.81E-08	1.28YrCanc	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3178	ALL	505322	3632676	2.81E-08	1.28YrCanc	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3179	ALL	505422	3632676	2.87E-08	1.28YrCanc	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3180	ALL	505522	3632676	2.96E-08	1.28YrCanc	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3181	ALL	505622	3632676	3.00E-08	1.28YrCanc	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3182	ALL	505722	3632676	2.94E-08	1.28YrCanc	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3183	ALL	502422	3632776	4.84E-08	1.28YrCanc	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3184	ALL	502522	3632776	4.54E-08	1.28YrCanc	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3185	ALL	502622	3632776	4.91E-08	1.28YrCanc	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3186	ALL	502722	3632776	5.69E-08	1.28YrCanc	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3187	ALL	502822	3632776	5.08E-08	1.28YrCanc	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3188	ALL	502922	3632776	4.22E-08	1.28YrCanc	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3189	ALL	503022	3632776	3.88E-08	1.28YrCanc	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3190	ALL	503122	3632776	4.33E-08	1.28YrCanc	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3191	ALL	503222	3632776	4.76E-08	1.28YrCanc	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3192	ALL	503622	3632776	4.75E-08	1.28YrCanc	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3193	ALL	503722	3632776	4.55E-08	1.28YrCanc	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3194	ALL	503822	3632776	4.01E-08	1.28YrCanc	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3195	ALL	503922	3632776	3.92E-08	1.28YrCanc	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3196	ALL	504022	3632776	3.78E-08	1.28YrCanc	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3197	ALL	504122	3632776	3.41E-08	1.28YrCanc	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3198	ALL	504222	3632776	3.15E-08	1.28YrCanc	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3199	ALL	504322	3632776	3.05E-08	1.28YrCanc	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3200	ALL	504422	3632776	3.06E-08	1.28YrCanc	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3201	ALL	504522	3632776	3.07E-08	1.28YrCanc	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3202	ALL	504622	3632776	3.06E-08	1.28YrCanc	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3203	ALL	504722	3632776	3.06E-08	1.28YrCanc	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3204	ALL	504822	3632776	3.05E-08	1.28YrCanc	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3205	ALL	504922	3632776	3.05E-08	1.28YrCanc	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3206	ALL	505022	3632776	3.05E-08	1.28YrCanc	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3207	ALL	505122	3632776	3.07E-08	1.28YrCanc	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3208	ALL	505222	3632776	3.06E-08	1.28YrCanc	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3209	ALL	505322	3632776	3.10E-08	1.28YrCanc	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3210	ALL	505422	3632776	3.18E-08	1.28YrCanc	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3211	ALL	505522	3632776	3.26E-08	1.28YrCanc	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3212	ALL	505622	3632776	3.29E-08	1.28YrCanc	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3213	ALL	505722	3632776	3.22E-08	1.28YrCanc	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3214	ALL	501722	3632876	3.67E-08	1.28YrCanc	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3215	ALL	501822	3632876	3.85E-08	1.28YrCanc	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3216	ALL	501922	3632876	4.05E-08	1.28YrCanc	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3217	ALL	502022	3632876	4.26E-08	1.28YrCanc	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3218	ALL	502122	3632876	4.49E-08	1.28YrCanc	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3219	ALL	502222	3632876	4.73E-08	1.28YrCanc	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3220	ALL	502322	3632876	4.98E-08	1.28YrCanc	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3221	ALL	502422	3632876	5.25E-08	1.28YrCanc	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3222	ALL	502522	3632876	5.52E-08	1.28YrCanc	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3223	ALL	502622	3632876	5.81E-08	1.28YrCanc	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3224	ALL	502722	3632876	6.11E-08	1.28YrCanc	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3225	ALL	502822	3632876	5.48E-08	1.28YrCanc	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3226	ALL	502922	3632876	4.22E-08	1.28YrCanc	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3227	ALL	503022	3632876	3.12E-08	1.28YrCanc	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3228	ALL	503122	3632876	3.91E-08	1.28YrCanc	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3229	ALL	503222	3632876	5.48E-08	1.28YrCanc	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3230	ALL	503322	3632876	5.70E-08	1.28YrCanc	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3231	ALL	503422	3632876	5.64E-08	1.28YrCanc	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3232	ALL	503622	3632876	5.18E-08	1.28YrCanc	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3233	ALL	503722	3632876	4.91E-08	1.28YrCanc	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3234	ALL	503822	3632876	4.25E-08	1.28YrCanc	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3235	ALL	503922	3632876	3.68E-08	1.28YrCanc	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3236	ALL	504022	3632876	3.63E-08	1.28YrCanc	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3237	ALL	504122	3632876	3.56E-08	1.28YrCanc	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3238	ALL	504222	3632876	3.39E-08	1.28YrCanc	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3239	ALL	504322	3632876	3.35E-08	1.28YrCanc	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3240	ALL	504422	3632876	3.32E-08	1.28YrCanc	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3241	ALL	504522	3632876	3.32E-08	1.28YrCanc	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3242	ALL	504622	3632876	3.32E-08	1.28YrCanc	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3243	ALL	504722	3632876	3.34E-08	1.28YrCanc	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3244	ALL	504822	3632876	3.33E-08	1.28YrCanc	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3245	ALL	504922	3632876	3.35E-08	1.28YrCanc	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3246	ALL	505022	3632876	3.38E-08	1.28YrCanc	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3247	ALL	505122	3632876	3.38E-08	1.28YrCanc	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3248	ALL	505222	3632876	3.41E-08	1.28YrCanc	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3249	ALL	505322	3632876	3.47E-08	1.28YrCanc	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3250	ALL	505422	3632876	3.57E-08	1.28YrCanc	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3251	ALL	505522	3632876	3.57E-08	1.28YrCanc	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3252	ALL	505622	3632876	3.58E-08	1.28YrCanc	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3253	ALL	505722	3632876	3.48E-08	1.28YrCanc	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3254	ALL	501722	3632976	3.81E-08	1.28YrCanc	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3255	ALL	501822	3632976	4.01E-08	1.28YrCanc	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3256	ALL	501922	3632976	4.23E-08	1.28YrCanc	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3257	ALL	502022	3632976	4.47E-08	1.28YrCanc	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3258	ALL	502122	3632976	4.72E-08	1.28YrCanc	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3259	ALL	505322	3632976	3.93E-08	1.28YrCanc	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3260	ALL	505422	3632976	3.95E-08	1.28YrCanc	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3261	ALL	505522	3632976	3.97E-08	1.28YrCanc	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3262	ALL	505622	3632976	3.91E-08	1.28YrCanc	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3263	ALL	505722	3632976	3.77E-08	1.28YrCanc	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3264	ALL	501722	3633076	3.95E-08	1.28YrCanc	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3265	ALL	501822	3633076	4.18E-08	1.28YrCanc	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3266	ALL	501922	3633076	4.42E-08	1.28YrCanc	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3267	ALL	502022	3633076	4.68E-08	1.28YrCanc	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3268	ALL	502122	3633076	4.95E-08	1.28YrCanc	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3269	ALL	505322	3633076	4.36E-08	1.28YrCanc	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3270	ALL	505422	3633076	4.40E-08	1.28YrCanc	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3271	ALL	505522	3633076	4.38E-08	1.28YrCanc	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3272	ALL	505622	3633076	4.26E-08	1.28YrCanc	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3273	ALL	505722	3633076	4.04E-08	1.28YrCanc	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3274	ALL	501722	3633176	4.10E-08	1.28YrCanc	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3275	ALL	501822	3633176	4.34E-08	1.28YrCanc	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3276	ALL	501922	3633176	4.60E-08	1.28YrCanc	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3277	ALL	502022	3633176	4.89E-08	1.28YrCanc	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3278	ALL	502122	3633176	5.19E-08	1.28YrCanc	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3279	ALL	505322	3633176	4.84E-08	1.28YrCanc	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3280	ALL	505422	3633176	4.79E-08	1.28YrCanc	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3281	ALL	505522	3633176	4.75E-08	1.28YrCanc	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3282	ALL	505622	3633176	4.65E-08	1.28YrCanc	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3283	ALL	505722	3633176	4.36E-08	1.28YrCanc	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3284	ALL	501722	3633276	4.25E-08	1.28YrCanc	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3285	ALL	501822	3633276	4.51E-08	1.28YrCanc	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3286	ALL	501922	3633276	4.80E-08	1.28YrCanc	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3287	ALL	502022	3633276	5.11E-08	1.28YrCanc	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3288	ALL	502122	3633276	5.45E-08	1.28YrCanc	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3289	ALL	505322	3633276	5.38E-08	1.28YrCanc	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3290	ALL	505422	3633276	5.17E-08	1.28YrCanc	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3291	ALL	505522	3633276	5.11E-08	1.28YrCanc	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3292	ALL	505622	3633276	5.02E-08	1.28YrCanc	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3293	ALL	505722	3633276	4.72E-08	1.28YrCanc	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3294	ALL	501722	3633376	4.39E-08	1.28YrCanc	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3295	ALL	501822	3633376	4.67E-08	1.28YrCanc	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3296	ALL	501922	3633376	4.99E-08	1.28YrCanc	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3297	ALL	502022	3633376	5.33E-08	1.28YrCanc	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3298	ALL	502122	3633376	5.70E-08	1.28YrCanc	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3299	ALL	505322	3633376	5.99E-08	1.28YrCanc	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3300	ALL	505422	3633376	5.59E-08	1.28YrCanc	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3301	ALL	505522	3633376	5.40E-08	1.28YrCanc	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3302	ALL	505622	3633376	5.34E-08	1.28YrCanc	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3303	ALL	505722	3633376	5.08E-08	1.28YrCanc	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3304	ALL	501722	3633476	4.53E-08	1.28YrCanc	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3305	ALL	501822	3633476	4.84E-08	1.28YrCanc	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3306	ALL	501922	3633476	5.18E-08	1.28YrCanc	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3307	ALL	502022	3633476	5.55E-08	1.28YrCanc	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3308	ALL	502122	3633476	5.96E-08	1.28YrCanc	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3309	ALL	505322	3633476	6.53E-08	1.28YrCanc	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3310	ALL	505422	3633476	6.02E-08	1.28YrCanc	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3311	ALL	505522	3633476	5.77E-08	1.28YrCanc	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3312	ALL	505622	3633476	5.52E-08	1.28YrCanc	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3313	ALL	505722	3633476	5.25E-08	1.28YrCanc	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3314	ALL	501722	3633576	4.67E-08	1.28YrCanc	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3315	ALL	501822	3633576	5.00E-08	1.28YrCanc	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3316	ALL	501922	3633576	5.37E-08	1.28YrCanc	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3317	ALL	502022	3633576	5.77E-08	1.28YrCanc	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3318	ALL	502122	3633576	6.23E-08	1.28YrCanc	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3319	ALL	505322	3633576	6.97E-08	1.28YrCanc	6.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3320	ALL	505422	3633576	6.30E-08	1.28YrCanc	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3321	ALL	505522	3633576	5.93E-08	1.28YrCanc	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3322	ALL	505622	3633576	5.64E-08	1.28YrCanc	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3323	ALL	505722	3633576	5.32E-08	1.28YrCanc	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3324	ALL	501722	3633676	4.81E-08	1.28YrCanc	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3325	ALL	501822	3633676	5.16E-08	1.28YrCanc	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3326	ALL	501922	3633676	5.55E-08	1.28YrCanc	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3327	ALL	502022	3633676	5.99E-08	1.28YrCanc	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3328	ALL	502122	3633676	6.48E-08	1.28YrCanc	6.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3329	ALL	505322	3633676	7.14E-08	1.28YrCanc	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3330	ALL	505422	3633676	6.31E-08	1.28YrCanc	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3331	ALL	505522	3633676	5.90E-08	1.28YrCanc	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3332	ALL	505622	3633676	5.63E-08	1.28YrCanc	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3333	ALL	505722	3633676	5.46E-08	1.28YrCanc	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3334	ALL	501722	3633776	4.94E-08	1.28YrCanc	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3335	ALL	501822	3633776	5.31E-08	1.28YrCanc	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3336	ALL	501922	3633776	5.72E-08	1.28YrCanc	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3337	ALL	502022	3633776	6.19E-08	1.28YrCanc	6.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3338	ALL	502122	3633776	6.72E-08	1.28YrCanc	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3339	ALL	505322	3633776	7.25E-08	1.28YrCanc	7.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3340	ALL	505422	3633776	6.54E-08	1.28YrCanc	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3341	ALL	505522	3633776	6.03E-08	1.28YrCanc	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3342	ALL	505622	3633776	5.78E-08	1.28YrCanc	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3343	ALL	505722	3633776	5.64E-08	1.28YrCanc	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3344	ALL	501722	3633876	5.05E-08	1.28YrCanc	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3345	ALL	501822	3633876	5.45E-08	1.28YrCanc	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3346	ALL	501922	3633876	5.88E-08	1.28YrCanc	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3347	ALL	502022	3633876	6.39E-08	1.28YrCanc	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3348	ALL	502122	3633876	6.95E-08	1.28YrCanc	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3349 ALL	505322	3633876	7.44E-08	1.28YrCanc	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3350 ALL	505422	3633876	6.86E-08	1.28YrCanc	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3351 ALL	505522	3633876	6.28E-08	1.28YrCanc	6.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3352 ALL	505622	3633876	5.79E-08	1.28YrCanc	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3353 ALL	505722	3633876	5.58E-08	1.28YrCanc	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3354 ALL	501722	3633976	5.16E-08	1.28YrCanc	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3355 ALL	501822	3633976	5.57E-08	1.28YrCanc	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3356 ALL	501922	3633976	6.04E-08	1.28YrCanc	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3357 ALL	502022	3633976	6.56E-08	1.28YrCanc	6.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3358 ALL	502122	3633976	7.17E-08	1.28YrCanc	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3359 ALL	505322	3633976	7.47E-08	1.28YrCanc	7.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3360 ALL	505422	3633976	6.78E-08	1.28YrCanc	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3361 ALL	505522	3633976	6.13E-08	1.28YrCanc	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3362 ALL	505622	3633976	5.59E-08	1.28YrCanc	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3363 ALL	505722	3633976	5.26E-08	1.28YrCanc	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3364 ALL	501722	3634076	5.25E-08	1.28YrCanc	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3365 ALL	501822	3634076	5.68E-08	1.28YrCanc	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3366 ALL	501922	3634076	6.17E-08	1.28YrCanc	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3367 ALL	502022	3634076	6.72E-08	1.28YrCanc	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3368 ALL	502122	3634076	7.35E-08	1.28YrCanc	7.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3369 ALL	505322	3634076	6.99E-08	1.28YrCanc	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3370 ALL	505422	3634076	6.35E-08	1.28YrCanc	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3371 ALL	505522	3634076	5.98E-08	1.28YrCanc	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3372 ALL	505622	3634076	5.56E-08	1.28YrCanc	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3373 ALL	505722	3634076	4.97E-08	1.28YrCanc	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3374 ALL	501722	3634176	5.32E-08	1.28YrCanc	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3375 ALL	501822	3634176	5.77E-08	1.28YrCanc	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3376 ALL	501922	3634176	6.27E-08	1.28YrCanc	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3377 ALL	502022	3634176	6.83E-08	1.28YrCanc	6.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3378 ALL	502122	3634176	7.50E-08	1.28YrCanc	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3379 ALL	505322	3634176	7.08E-08	1.28YrCanc	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3380 ALL	505422	3634176	6.59E-08	1.28YrCanc	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3381 ALL	505522	3634176	6.16E-08	1.28YrCanc	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3382 ALL	505622	3634176	5.35E-08	1.28YrCanc	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3383 ALL	505722	3634176	4.72E-08	1.28YrCanc	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3384 ALL	501722	3634276	5.38E-08	1.28YrCanc	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3385 ALL	501822	3634276	5.82E-08	1.28YrCanc	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3386 ALL	501922	3634276	6.34E-08	1.28YrCanc	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3387 ALL	502022	3634276	6.92E-08	1.28YrCanc	6.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3388 ALL	502122	3634276	7.60E-08	1.28YrCanc	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3389 ALL	505322	3634276	7.65E-08	1.28YrCanc	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3390 ALL	505422	3634276	7.10E-08	1.28YrCanc	7.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3391 ALL	505522	3634276	5.79E-08	1.28YrCanc	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3392 ALL	505622	3634276	5.16E-08	1.28YrCanc	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3393 ALL	505722	3634276	4.57E-08	1.28YrCanc	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3394 ALL	501722	3634376	5.43E-08	1.28YrCanc	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3395 ALL	501822	3634376	5.89E-08	1.28YrCanc	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3396 ALL	501922	3634376	6.40E-08	1.28YrCanc	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3397 ALL	502022	3634376	7.00E-08	1.28YrCanc	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3398 ALL	502122	3634376	7.71E-08	1.28YrCanc	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3399 ALL	505322	3634376	7.91E-08	1.28YrCanc	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3400 ALL	505422	3634376	7.09E-08	1.28YrCanc	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3401 ALL	505522	3634376	5.51E-08	1.28YrCanc	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3402 ALL	505622	3634376	4.79E-08	1.28YrCanc	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3403 ALL	505722	3634376	4.36E-08	1.28YrCanc	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3404 ALL	501722	3634476	5.46E-08	1.28YrCanc	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3405 ALL	501822	3634476	5.93E-08	1.28YrCanc	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3406 ALL	501922	3634476	6.46E-08	1.28YrCanc	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3407 ALL	502022	3634476	7.08E-08	1.28YrCanc	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3408 ALL	502122	3634476	7.78E-08	1.28YrCanc	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3409 ALL	505322	3634476	7.82E-08	1.28YrCanc	7.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3410 ALL	505422	3634476	8.18E-08	1.28YrCanc	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3411 ALL	505522	3634476	6.45E-08	1.28YrCanc	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3412 ALL	505622	3634476	5.27E-08	1.28YrCanc	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3413 ALL	505722	3634476	4.45E-08	1.28YrCanc	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3414 ALL	501722	3634576	5.47E-08	1.28YrCanc	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3415 ALL	501822	3634576	5.93E-08	1.28YrCanc	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3416 ALL	501922	3634576	6.46E-08	1.28YrCanc	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3417 ALL	502022	3634576	7.08E-08	1.28YrCanc	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3418 ALL	502122	3634576	7.79E-08	1.28YrCanc	7.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3419 ALL	505322	3634576	7.69E-08	1.28YrCanc	7.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3420 ALL	505422	3634576	8.62E-08	1.28YrCanc	8.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3421 ALL	505522	3634576	7.54E-08	1.28YrCanc	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3422 ALL	505622	3634576	5.69E-08	1.28YrCanc	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3423 ALL	505722	3634576	4.71E-08	1.28YrCanc	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3424 ALL	501722	3634676	5.46E-08	1.28YrCanc	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3425 ALL	501822	3634676	5.92E-08	1.28YrCanc	5.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3426 ALL	501922	3634676	6.45E-08	1.28YrCanc	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3427 ALL	502022	3634676	7.06E-08	1.28YrCanc	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3428 ALL	502122	3634676	7.74E-08	1.28YrCanc	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3429 ALL	505322	3634676	7.85E-08	1.28YrCanc	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3430 ALL	505422	3634676	8.70E-08	1.28YrCanc	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3431 ALL	505522	3634676	8.52E-08	1.28YrCanc	8.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3432 ALL	505622	3634676	7.00E-08	1.28YrCanc	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3433 ALL	505722	3634676	5.41E-08	1.28YrCanc	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3434 ALL	501722	3634776	5.42E-08	1.28YrCanc	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3435 ALL	501822	3634776	5.88E-08	1.28YrCanc	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3436 ALL	501922	3634776	6.39E-08	1.28YrCanc	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3437 ALL	502022	3634776	6.99E-08	1.28YrCanc	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3438 ALL	502122	3634776	7.67E-08	1.28YrCanc	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3439 ALL	505322	3634776	7.94E-08	1.28YrCanc	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3440 ALL	505422	3634776	9.43E-08	1.28YrCanc	9.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3441 ALL	505522	3634776	8.63E-08	1.28YrCanc	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3442 ALL	505622	3634776	7.69E-08	1.28YrCanc	7.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3443 ALL	505722	3634776	6.59E-08	1.28YrCanc	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3444 ALL	501722	3634876	5.36E-08	1.28YrCanc	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3445 ALL	501822	3634876	5.81E-08	1.28YrCanc	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3446 ALL	501922	3634876	6.30E-08	1.28YrCanc	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3447 ALL	502022	3634876	6.87E-08	1.28YrCanc	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3448 ALL	502122	3634876	7.52E-08	1.28YrCanc	7.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3449	ALL	505322	3634876	8.45E-08	1.28YrCanc	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3450	ALL	505422	3634876	9.19E-08	1.28YrCanc	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3451	ALL	505522	3634876	8.43E-08	1.28YrCanc	8.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3452	ALL	505622	3634876	7.76E-08	1.28YrCanc	7.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3453	ALL	505722	3634876	7.13E-08	1.28YrCanc	7.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3454	ALL	501722	3634976	5.28E-08	1.28YrCanc	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3455	ALL	501822	3634976	5.70E-08	1.28YrCanc	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3456	ALL	501922	3634976	6.17E-08	1.28YrCanc	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3457	ALL	502022	3634976	6.71E-08	1.28YrCanc	6.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3458	ALL	502122	3634976	7.32E-08	1.28YrCanc	7.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3459	ALL	505322	3634976	8.69E-08	1.28YrCanc	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3460	ALL	505422	3634976	8.69E-08	1.28YrCanc	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3461	ALL	505522	3634976	8.02E-08	1.28YrCanc	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3462	ALL	505622	3634976	7.43E-08	1.28YrCanc	7.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3463	ALL	505722	3634976	6.90E-08	1.28YrCanc	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3464	ALL	501722	3635076	5.57E-08	1.28YrCanc	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3465	ALL	501822	3635076	5.62E-08	1.28YrCanc	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3466	ALL	501922	3635076	7.11E-08	1.28YrCanc	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3467	ALL	502022	3635076	7.54E-08	1.28YrCanc	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3468	ALL	502122	3635076	7.09E-08	1.28YrCanc	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3469	ALL	505322	3635076	8.60E-08	1.28YrCanc	8.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3470	ALL	505422	3635076	8.18E-08	1.28YrCanc	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3471	ALL	505522	3635076	7.56E-08	1.28YrCanc	7.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3472	ALL	505622	3635076	7.03E-08	1.28YrCanc	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3473	ALL	505722	3635076	6.54E-08	1.28YrCanc	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3474	ALL	501722	3635176	5.96E-08	1.28YrCanc	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3475	ALL	501822	3635176	6.27E-08	1.28YrCanc	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3476	ALL	501922	3635176	6.93E-08	1.28YrCanc	6.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3477	ALL	502022	3635176	7.27E-08	1.28YrCanc	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3478	ALL	502122	3635176	7.11E-08	1.28YrCanc	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3479	ALL	505322	3635176	8.38E-08	1.28YrCanc	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3480	ALL	505422	3635176	7.73E-08	1.28YrCanc	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3481	ALL	505522	3635176	7.15E-08	1.28YrCanc	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3482	ALL	505622	3635176	6.64E-08	1.28YrCanc	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3483	ALL	505722	3635176	6.20E-08	1.28YrCanc	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3484	ALL	501722	3635276	5.85E-08	1.28YrCanc	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3485	ALL	501822	3635276	6.16E-08	1.28YrCanc	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3486	ALL	501922	3635276	6.50E-08	1.28YrCanc	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3487	ALL	502022	3635276	6.86E-08	1.28YrCanc	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3488	ALL	502122	3635276	7.12E-08	1.28YrCanc	7.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3489	ALL	505622	3635276	6.29E-08	1.28YrCanc	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3490	ALL	505722	3635276	5.88E-08	1.28YrCanc	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3491	ALL	501722	3635376	5.37E-08	1.28YrCanc	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3492	ALL	501822	3635376	5.68E-08	1.28YrCanc	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3493	ALL	501922	3635376	5.97E-08	1.28YrCanc	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3494	ALL	502022	3635376	6.29E-08	1.28YrCanc	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3495	ALL	502122	3635376	6.67E-08	1.28YrCanc	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3496	ALL	505622	3635376	6.04E-08	1.28YrCanc	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3497	ALL	501722	3635476	4.86E-08	1.28YrCanc	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3498	ALL	501822	3635476	5.13E-08	1.28YrCanc	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3499	ALL	501922	3635476	5.51E-08	1.28YrCanc	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3500	ALL	502022	3635476	5.88E-08	1.28YrCanc	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3501	ALL	502122	3635476	6.23E-08	1.28YrCanc	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3502	ALL	505622	3635476	5.81E-08	1.28YrCanc	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3503	ALL	505722	3635476	5.45E-08	1.28YrCanc	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3504	ALL	501722	3635576	4.45E-08	1.28YrCanc	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3505	ALL	501822	3635576	4.72E-08	1.28YrCanc	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3506	ALL	501922	3635576	5.10E-08	1.28YrCanc	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3507	ALL	502022	3635576	5.41E-08	1.28YrCanc	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3508	ALL	502122	3635576	5.69E-08	1.28YrCanc	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3509	ALL	505322	3635576	6.78E-08	1.28YrCanc	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3510	ALL	505422	3635576	6.37E-08	1.28YrCanc	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3511	ALL	505522	3635576	5.95E-08	1.28YrCanc	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3512	ALL	505622	3635576	5.57E-08	1.28YrCanc	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3513	ALL	505722	3635576	5.23E-08	1.28YrCanc	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3514	ALL	501722	3635676	4.07E-08	1.28YrCanc	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3515	ALL	501822	3635676	4.38E-08	1.28YrCanc	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3516	ALL	501922	3635676	4.69E-08	1.28YrCanc	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3517	ALL	502022	3635676	4.96E-08	1.28YrCanc	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3518	ALL	502122	3635676	5.21E-08	1.28YrCanc	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3519	ALL	505322	3635676	6.46E-08	1.28YrCanc	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3520	ALL	505422	3635676	6.01E-08	1.28YrCanc	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3521	ALL	505522	3635676	5.68E-08	1.28YrCanc	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3522	ALL	505622	3635676	5.33E-08	1.28YrCanc	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3523	ALL	505722	3635676	5.02E-08	1.28YrCanc	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3524	ALL	501722	3635776	3.72E-08	1.28YrCanc	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3525	ALL	501822	3635776	4.05E-08	1.28YrCanc	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3526	ALL	501922	3635776	4.36E-08	1.28YrCanc	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3527	ALL	502022	3635776	4.62E-08	1.28YrCanc	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3528	ALL	502122	3635776	4.88E-08	1.28YrCanc	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3529	ALL	505322	3635776	6.20E-08	1.28YrCanc	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3530	ALL	505422	3635776	5.79E-08	1.28YrCanc	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3531	ALL	505522	3635776	5.41E-08	1.28YrCanc	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3532	ALL	505622	3635776	5.05E-08	1.28YrCanc	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3533	ALL	505722	3635776	4.77E-08	1.28YrCanc	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3534	ALL	501722	3635876	3.40E-08	1.28YrCanc	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3535	ALL	501822	3635876	3.74E-08	1.28YrCanc	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3536	ALL	501922	3635876	4.06E-08	1.28YrCanc	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3537	ALL	502022	3635876	4.28E-08	1.28YrCanc	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3538	ALL	502122	3635876	4.55E-08	1.28YrCanc	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3539	ALL	505322	3635876	6.03E-08	1.28YrCanc	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3540	ALL	505422	3635876	5.55E-08	1.28YrCanc	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3541	ALL	505522	3635876	5.20E-08	1.28YrCanc	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3542	ALL	505622	3635876	4.88E-08	1.28YrCanc	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3543	ALL	505722	3635876	4.60E-08	1.28YrCanc	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3544	ALL	501722	3635976	3.19E-08	1.28YrCanc	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3545	ALL	501822	3635976	3.52E-08	1.28YrCanc	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3546	ALL	501922	3635976	3.80E-08	1.28YrCanc	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3547	ALL	502022	3635976	3.99E-08	1.28YrCanc	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3548	ALL	502122	3635976	4.24E-08	1.28YrCanc	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3549	ALL	505322	3635976	5.73E-08	1.28YrCanc	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3550	ALL	505422	3635976	5.34E-08	1.28YrCanc	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3551	ALL	505522	3635976	5.00E-08	1.28YrCanc	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3552	ALL	505622	3635976	4.72E-08	1.28YrCanc	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3553	ALL	505722	3635976	4.43E-08	1.28YrCanc	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3554	ALL	501722	3636076	3.07E-08	1.28YrCanc	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3555	ALL	501822	3636076	3.29E-08	1.28YrCanc	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3556	ALL	501922	3636076	3.54E-08	1.28YrCanc	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3557	ALL	502022	3636076	3.73E-08	1.28YrCanc	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3558	ALL	502122	3636076	3.97E-08	1.28YrCanc	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3559	ALL	502222	3636076	4.29E-08	1.28YrCanc	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3560	ALL	502322	3636076	4.68E-08	1.28YrCanc	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3561	ALL	502422	3636076	5.04E-08	1.28YrCanc	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3562	ALL	502522	3636076	5.34E-08	1.28YrCanc	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3563	ALL	502622	3636076	5.65E-08	1.28YrCanc	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3564	ALL	502722	3636076	6.01E-08	1.28YrCanc	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3565	ALL	502822	3636076	6.34E-08	1.28YrCanc	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3566	ALL	502922	3636076	6.58E-08	1.28YrCanc	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3567	ALL	503022	3636076	6.79E-08	1.28YrCanc	6.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3568	ALL	503122	3636076	6.81E-08	1.28YrCanc	6.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3569	ALL	503222	3636076	7.28E-08	1.28YrCanc	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3570	ALL	503322	3636076	7.83E-08	1.28YrCanc	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3571	ALL	503422	3636076	8.26E-08	1.28YrCanc	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3572	ALL	503522	3636076	8.68E-08	1.28YrCanc	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3573	ALL	503622	3636076	8.96E-08	1.28YrCanc	8.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3574	ALL	503722	3636076	9.10E-08	1.28YrCanc	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3575	ALL	503822	3636076	9.20E-08	1.28YrCanc	9.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3576	ALL	503922	3636076	9.30E-08	1.28YrCanc	9.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3577	ALL	504022	3636076	9.45E-08	1.28YrCanc	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3578	ALL	504122	3636076	9.55E-08	1.28YrCanc	9.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3579	ALL	504222	3636076	9.58E-08	1.28YrCanc	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3580	ALL	504322	3636076	9.57E-08	1.28YrCanc	9.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3581	ALL	504422	3636076	9.27E-08	1.28YrCanc	9.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3582	ALL	504522	3636076	8.82E-08	1.28YrCanc	8.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3583	ALL	504622	3636076	8.53E-08	1.28YrCanc	8.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3584	ALL	504722	3636076	8.16E-08	1.28YrCanc	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3585	ALL	504822	3636076	7.46E-08	1.28YrCanc	7.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3586	ALL	504922	3636076	6.82E-08	1.28YrCanc	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3587	ALL	505022	3636076	6.46E-08	1.28YrCanc	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3588	ALL	505122	3636076	6.09E-08	1.28YrCanc	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3589	ALL	505222	3636076	5.76E-08	1.28YrCanc	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3590	ALL	505322	3636076	5.46E-08	1.28YrCanc	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3591	ALL	505422	3636076	5.09E-08	1.28YrCanc	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3592	ALL	505522	3636076	4.84E-08	1.28YrCanc	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3593	ALL	505622	3636076	4.56E-08	1.28YrCanc	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3594	ALL	505722	3636076	4.29E-08	1.28YrCanc	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3595	ALL	501722	3636176	2.85E-08	1.28YrCanc	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3596	ALL	501822	3636176	3.07E-08	1.28YrCanc	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3597	ALL	501922	3636176	3.32E-08	1.28YrCanc	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3598	ALL	502022	3636176	3.52E-08	1.28YrCanc	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3599	ALL	502122	3636176	3.76E-08	1.28YrCanc	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3600	ALL	502222	3636176	4.07E-08	1.28YrCanc	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3601	ALL	502322	3636176	4.45E-08	1.28YrCanc	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3602	ALL	502422	3636176	4.77E-08	1.28YrCanc	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3603	ALL	502522	3636176	5.05E-08	1.28YrCanc	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3604	ALL	502622	3636176	5.34E-08	1.28YrCanc	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3605	ALL	502722	3636176	5.61E-08	1.28YrCanc	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3606	ALL	502822	3636176	5.86E-08	1.28YrCanc	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3607	ALL	502922	3636176	6.08E-08	1.28YrCanc	6.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3608	ALL	503022	3636176	6.20E-08	1.28YrCanc	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3609	ALL	503122	3636176	5.96E-08	1.28YrCanc	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3610	ALL	503222	3636176	6.57E-08	1.28YrCanc	6.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3611	ALL	503322	3636176	7.14E-08	1.28YrCanc	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3612	ALL	503422	3636176	7.53E-08	1.28YrCanc	7.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3613	ALL	503522	3636176	7.85E-08	1.28YrCanc	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3614	ALL	503622	3636176	8.11E-08	1.28YrCanc	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3615	ALL	503722	3636176	8.22E-08	1.28YrCanc	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3616	ALL	503822	3636176	8.27E-08	1.28YrCanc	8.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3617	ALL	503922	3636176	8.30E-08	1.28YrCanc	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3618	ALL	504022	3636176	8.35E-08	1.28YrCanc	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3619	ALL	504122	3636176	8.30E-08	1.28YrCanc	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3620	ALL	504222	3636176	8.35E-08	1.28YrCanc	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3621	ALL	504322	3636176	7.92E-08	1.28YrCanc	7.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3622	ALL	504422	3636176	7.25E-08	1.28YrCanc	7.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3623	ALL	504522	3636176	6.27E-08	1.28YrCanc	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3624	ALL	504622	3636176	6.69E-08	1.28YrCanc	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3625	ALL	504722	3636176	7.57E-08	1.28YrCanc	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3626	ALL	504822	3636176	7.24E-08	1.28YrCanc	7.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3627	ALL	504922	3636176	6.86E-08	1.28YrCanc	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3628	ALL	505022	3636176	6.32E-08	1.28YrCanc	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3629	ALL	505122	3636176	5.78E-08	1.28YrCanc	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3630	ALL	505222	3636176	5.50E-08	1.28YrCanc	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3631	ALL	505322	3636176	5.26E-08	1.28YrCanc	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3632	ALL	505422	3636176	4.99E-08	1.28YrCanc	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3633	ALL	505522	3636176	4.67E-08	1.28YrCanc	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3634	ALL	505622	3636176	4.41E-08	1.28YrCanc	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3635	ALL	505722	3636176	4.17E-08	1.28YrCanc	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3636	ALL	501722	3636276	2.72E-08	1.28YrCanc	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3637	ALL	501822	3636276	2.91E-08	1.28YrCanc	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3638	ALL	501922	3636276	3.14E-08	1.28YrCanc	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3639	ALL	502022	3636276	3.38E-08	1.28YrCanc	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3640	ALL	502122	3636276	3.66E-08	1.28YrCanc	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3641	ALL	502222	3636276	3.96E-08	1.28YrCanc	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3642	ALL	502322	3636276	4.25E-08	1.28YrCanc	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3643	ALL	502422	3636276	4.53E-08	1.28YrCanc	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3644	ALL	502522	3636276	4.79E-08	1.28YrCanc	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3645	ALL	502622	3636276	5.01E-08	1.28YrCanc	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3646	ALL	502722	3636276	5.23E-08	1.28YrCanc	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3647	ALL	502822	3636276	5.42E-08	1.28YrCanc	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3648	ALL	502922	3636276	5.58E-08	1.28YrCanc	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3649	ALL	503022	3636276	5.77E-08	1.28YrCanc	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3650	ALL	503122	3636276	5.78E-08	1.28YrCanc	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3651	ALL	503222	3636276	5.86E-08	1.28YrCanc	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3652	ALL	503322	3636276	6.26E-08	1.28YrCanc	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3653	ALL	503422	3636276	6.72E-08	1.28YrCanc	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3654	ALL	503522	3636276	7.05E-08	1.28YrCanc	7.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3655	ALL	503622	3636276	7.27E-08	1.28YrCanc	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3656	ALL	503722	3636276	7.39E-08	1.28YrCanc	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3657	ALL	503822	3636276	7.42E-08	1.28YrCanc	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3658	ALL	503922	3636276	7.41E-08	1.28YrCanc	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3659	ALL	504022	3636276	7.31E-08	1.28YrCanc	7.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3660	ALL	504122	3636276	7.06E-08	1.28YrCanc	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3661	ALL	504222	3636276	6.43E-08	1.28YrCanc	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3662	ALL	504322	3636276	5.30E-08	1.28YrCanc	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3663	ALL	504422	3636276	5.11E-08	1.28YrCanc	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3664	ALL	504522	3636276	4.90E-08	1.28YrCanc	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3665	ALL	504622	3636276	5.24E-08	1.28YrCanc	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3666	ALL	504722	3636276	5.88E-08	1.28YrCanc	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3667	ALL	504822	3636276	5.32E-08	1.28YrCanc	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3668	ALL	504922	3636276	6.21E-08	1.28YrCanc	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3669	ALL	505022	3636276	6.01E-08	1.28YrCanc	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3670	ALL	505122	3636276	5.50E-08	1.28YrCanc	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3671	ALL	505222	3636276	5.24E-08	1.28YrCanc	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3672	ALL	505322	3636276	5.05E-08	1.28YrCanc	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3673	ALL	505422	3636276	4.82E-08	1.28YrCanc	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3674	ALL	505522	3636276	4.53E-08	1.28YrCanc	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3675	ALL	505622	3636276	4.29E-08	1.28YrCanc	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3676	ALL	505722	3636276	4.07E-08	1.28YrCanc	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3677	ALL	501722	3636376	2.59E-08	1.28YrCanc	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3678	ALL	501822	3636376	2.79E-08	1.28YrCanc	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3679	ALL	501922	3636376	3.04E-08	1.28YrCanc	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3680	ALL	502022	3636376	3.25E-08	1.28YrCanc	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3681	ALL	502122	3636376	3.51E-08	1.28YrCanc	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3682	ALL	502222	3636376	3.76E-08	1.28YrCanc	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3683	ALL	502322	3636376	4.01E-08	1.28YrCanc	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3684	ALL	502422	3636376	4.29E-08	1.28YrCanc	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3685	ALL	502522	3636376	4.52E-08	1.28YrCanc	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3686	ALL	502622	3636376	4.74E-08	1.28YrCanc	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3687	ALL	502722	3636376	4.87E-08	1.28YrCanc	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3688	ALL	502822	3636376	4.98E-08	1.28YrCanc	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3689	ALL	502922	3636376	5.07E-08	1.28YrCanc	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3690	ALL	503022	3636376	5.17E-08	1.28YrCanc	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3691	ALL	503122	3636376	5.16E-08	1.28YrCanc	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3692	ALL	503222	3636376	5.16E-08	1.28YrCanc	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3693	ALL	503322	3636376	5.45E-08	1.28YrCanc	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3694	ALL	503422	3636376	6.02E-08	1.28YrCanc	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3695	ALL	503522	3636376	6.29E-08	1.28YrCanc	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3696	ALL	503622	3636376	6.46E-08	1.28YrCanc	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3697	ALL	503722	3636376	6.62E-08	1.28YrCanc	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3698	ALL	503822	3636376	6.67E-08	1.28YrCanc	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3699	ALL	503922	3636376	6.46E-08	1.28YrCanc	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3700	ALL	504022	3636376	6.32E-08	1.28YrCanc	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3701	ALL	504122	3636376	5.92E-08	1.28YrCanc	5.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3702	ALL	504222	3636376	5.20E-08	1.28YrCanc	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3703	ALL	504322	3636376	4.67E-08	1.28YrCanc	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3704	ALL	504422	3636376	4.49E-08	1.28YrCanc	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3705	ALL	504522	3636376	4.43E-08	1.28YrCanc	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3706	ALL	504622	3636376	4.58E-08	1.28YrCanc	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3707	ALL	504722	3636376	4.83E-08	1.28YrCanc	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3708	ALL	504822	3636376	4.43E-08	1.28YrCanc	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3709	ALL	504922	3636376	4.39E-08	1.28YrCanc	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3710	ALL	505022	3636376	5.51E-08	1.28YrCanc	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3711	ALL	505122	3636376	5.38E-08	1.28YrCanc	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3712	ALL	505222	3636376	5.10E-08	1.28YrCanc	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3713	ALL	505322	3636376	4.87E-08	1.28YrCanc	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3714	ALL	505422	3636376	4.62E-08	1.28YrCanc	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3715	ALL	505522	3636376	4.40E-08	1.28YrCanc	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3716	ALL	505622	3636376	4.18E-08	1.28YrCanc	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3717	ALL	505722	3636376	3.97E-08	1.28YrCanc	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3718	ALL	501722	3636476	2.42E-08	1.28YrCanc	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3719	ALL	501822	3636476	2.62E-08	1.28YrCanc	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3720	ALL	501922	3636476	2.91E-08	1.28YrCanc	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3721	ALL	502022	3636476	3.09E-08	1.28YrCanc	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3722	ALL	502122	3636476	3.30E-08	1.28YrCanc	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3723	ALL	502222	3636476	3.56E-08	1.28YrCanc	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3724	ALL	502322	3636476	3.83E-08	1.28YrCanc	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3725	ALL	502422	3636476	4.09E-08	1.28YrCanc	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3726	ALL	502522	3636476	4.27E-08	1.28YrCanc	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3727	ALL	502622	3636476	4.44E-08	1.28YrCanc	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3728	ALL	502722	3636476	4.55E-08	1.28YrCanc	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3729	ALL	502822	3636476	4.54E-08	1.28YrCanc	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3730	ALL	502922	3636476	4.61E-08	1.28YrCanc	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3731	ALL	503022	3636476	4.62E-08	1.28YrCanc	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3732	ALL	503122	3636476	4.57E-08	1.28YrCanc	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3733	ALL	503222	3636476	4.57E-08	1.28YrCanc	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3734	ALL	503322	3636476	4.90E-08	1.28YrCanc	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3735	ALL	503422	3636476	5.28E-08	1.28YrCanc	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3736	ALL	503522	3636476	5.58E-08	1.28YrCanc	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3737	ALL	503622	3636476	5.74E-08	1.28YrCanc	5.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3738	ALL	503722	3636476	5.92E-08	1.28YrCanc	5.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3739	ALL	503822	3636476	5.82E-08	1.28YrCanc	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3740	ALL	503922	3636476	5.62E-08	1.28YrCanc	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3741	ALL	504022	3636476	4.69E-08	1.28YrCanc	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3742	ALL	504122	3636476	4.81E-08	1.28YrCanc	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3743	ALL	504222	3636476	4.77E-08	1.28YrCanc	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3744	ALL	504322	3636476	4.22E-08	1.28YrCanc	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3745	ALL	504422	3636476	4.09E-08	1.28YrCanc	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3746	ALL	504522	3636476	4.04E-08	1.28YrCanc	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3747	ALL	504622	3636476	4.01E-08	1.28YrCanc	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3748	ALL	504722	3636476	3.98E-08	1.28YrCanc	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3749	ALL	504822	3636476	3.91E-08	1.28YrCanc	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3750	ALL	504922	3636476	4.09E-08	1.28YrCanc	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3751	ALL	505022	3636476	5.01E-08	1.28YrCanc	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3752	ALL	505122	3636476	5.17E-08	1.28YrCanc	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3753	ALL	505222	3636476	4.90E-08	1.28YrCanc	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3754	ALL	505322	3636476	4.67E-08	1.28YrCanc	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3755	ALL	505422	3636476	4.43E-08	1.28YrCanc	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3756	ALL	505522	3636476	4.23E-08	1.28YrCanc	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3757	ALL	505622	3636476	4.04E-08	1.28YrCanc	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3758	ALL	505722	3636476	3.85E-08	1.28YrCanc	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.39E-06
1.39E+00

HARP2 - HRACalc (dated 22118) 11/7/2023 3:33:52 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

```
Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

**********
TIER 2 SETTINGS
Tier2 not used.

**********

Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality
Work\HARP2\SanteeCV7to7wOPRwM\hra\ConstChronicMitNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality
Work\HARP2\SanteeCV7to7wOPRwM\hra\ConstChronicMitNCChronicRiskSumByRec.csv
HRA ran successfully
```

*HARP - HRACalc v22118 11/7/2023 3:33:52 PM - Chronic Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\SanteeCV7to7wOPRwM\hra\ConstChronicMitHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		502722	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05
2	ALL		502772	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
3	ALL		502822	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05
4	ALL		502872	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
5	ALL		502922	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
6	ALL		502972	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
7	ALL		503022	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
8	ALL		503072	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
9	ALL		503122	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
10	ALL		503172	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
11	ALL		503222	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
12	ALL		503272	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
13	ALL		503322	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
14	ALL		503372	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
15	ALL		503422	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05
16	ALL		503472	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
17	ALL		503522	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05
18	ALL		503622	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05
19	ALL		503672	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05
20	ALL		503722	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
21	ALL		503772	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05
22	ALL		503822	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
23	ALL		503872	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
24	ALL		503922	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05
25	ALL		503972	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
26	ALL		504022	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
27	ALL		504072	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
28	ALL		504122	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
29	ALL		504172	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05
30	ALL		504222	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
31	ALL		504272	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05
32	ALL		504322	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05
33	ALL		504372	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
34	ALL		504422	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05
35	ALL		504472	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
36	ALL		504522	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05
37	ALL		504572	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
38	ALL		504622	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05
39	ALL		504672	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
40	ALL		504722	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
41	ALL		502722	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
42	ALL		502772	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
43	ALL		502822	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05
44	ALL		502872	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
45	ALL		502922	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
46	ALL		502972	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
47	ALL		503022	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
48	ALL		503072	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
49	ALL		503122	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
50	ALL		503172	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
51	ALL		503222	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
52	ALL		503272	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04

53	ALL	503322	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
54	ALL	503372	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
55	ALL	503422	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
56	ALL	503472	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
57	ALL	503522	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
58	ALL	503622	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
59	ALL	503672	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
60	ALL	503722	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
61	ALL	503772	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05
62	ALL	503822	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05
63	ALL	503872	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05
64	ALL	503922	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05
65	ALL	503972	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05
66	ALL	504022	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
67	ALL	504072	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05
68	ALL	504122	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05
69	ALL	504172	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05
70	ALL	504222	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05
71	ALL	504272	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
72	ALL	504322	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05
73	ALL	504372	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05
74	ALL	504422	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05
75	ALL	504472	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
76	ALL	504522	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05
77	ALL	504572	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
78	ALL	504622	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05
79	ALL	504672	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
80	ALL	504722	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05
81	ALL	502722	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05
82	ALL	502772	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
83	ALL	502822	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
84	ALL	502872	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
85	ALL	502922	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
86	ALL	502972	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
87	ALL	503022	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
88	ALL	503072	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
89	ALL	503122	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
90	ALL	503172	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
91	ALL	503222	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
92	ALL	503272	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
93	ALL	503322	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
94	ALL	503372	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
95	ALL	503422	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
96	ALL	503472	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
97	ALL	503522	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
98	ALL	503622	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
99	ALL	503672	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
100	ALL	503722	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
101	ALL	503772	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
102	ALL	503822	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
103	ALL	503872	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
104	ALL	503922	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
105	ALL	503972	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
106	ALL	504022	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04

107	ALL	504072	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
108	ALL	504122	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
109	ALL	504172	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
110	ALL	504222	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
111	ALL	504272	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
112	ALL	504322	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
113	ALL	504372	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05
114	ALL	504422	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
115	ALL	504472	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05
116	ALL	504522	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
117	ALL	504572	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
118	ALL	504622	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05
119	ALL	504672	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05
120	ALL	504722	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05
121	ALL	502722	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05
122	ALL	502772	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
123	ALL	502822	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
124	ALL	502872	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
125	ALL	502922	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
126	ALL	502972	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
127	ALL	503022	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
128	ALL	503072	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
129	ALL	503122	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
130	ALL	503172	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
131	ALL	503222	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
132	ALL	503272	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
133	ALL	503322	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
134	ALL	503372	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
135	ALL	503422	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
136	ALL	503472	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
137	ALL	503522	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
138	ALL	503622	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
139	ALL	503672	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
140	ALL	503722	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
141	ALL	503772	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
142	ALL	503822	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
143	ALL	503872	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
144	ALL	503922	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
145	ALL	503972	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
146	ALL	504022	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
147	ALL	504072	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
148	ALL	504122	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
149	ALL	504172	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
150	ALL	504222	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
151	ALL	504272	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
152	ALL	504322	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
153	ALL	504372	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05
154	ALL	504422	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05
155	ALL	504472	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05
156	ALL	504522	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05
157	ALL	504572	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05
158	ALL	504622	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
159	ALL	504672	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05
160	ALL	504722	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05

161	ALL	502722	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05
162	ALL	502772	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
163	ALL	502822	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
164	ALL	502872	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
165	ALL	502922	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
166	ALL	502972	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
167	ALL	503022	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
168	ALL	503072	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
169	ALL	503122	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
170	ALL	503172	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
171	ALL	503222	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
172	ALL	503272	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
173	ALL	503322	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
174	ALL	503372	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
175	ALL	503422	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
176	ALL	503472	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
177	ALL	503522	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
178	ALL	503572	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
179	ALL	503672	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
180	ALL	503722	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
181	ALL	503772	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
182	ALL	503822	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
183	ALL	503872	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
184	ALL	503922	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
185	ALL	503972	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
186	ALL	504022	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
187	ALL	504072	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
188	ALL	504122	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
189	ALL	504172	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
190	ALL	504222	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
191	ALL	504272	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
192	ALL	504322	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
193	ALL	504372	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
194	ALL	504422	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
195	ALL	504472	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
196	ALL	504522	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
197	ALL	504572	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
198	ALL	504622	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
199	ALL	504672	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
200	ALL	504722	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
201	ALL	502722	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
202	ALL	502772	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
203	ALL	502822	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
204	ALL	502872	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
205	ALL	502922	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
206	ALL	502972	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
207	ALL	503022	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
208	ALL	503072	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
209	ALL	503122	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
210	ALL	503172	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
211	ALL	503222	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
212	ALL	503272	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
213	ALL	503322	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
214	ALL	503372	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04

215	ALL	503422	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
216	ALL	503472	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
217	ALL	503522	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
218	ALL	503572	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
219	ALL	503722	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
220	ALL	503772	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
221	ALL	503822	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
222	ALL	503872	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
223	ALL	503922	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
224	ALL	503972	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
225	ALL	504022	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
226	ALL	504072	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
227	ALL	504122	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
228	ALL	504172	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
229	ALL	504222	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
230	ALL	504272	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
231	ALL	504322	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
232	ALL	504372	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
233	ALL	504422	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
234	ALL	504472	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
235	ALL	504522	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
236	ALL	504572	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
237	ALL	504622	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
238	ALL	504672	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
239	ALL	504722	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
240	ALL	502722	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
241	ALL	502772	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
242	ALL	502822	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
243	ALL	502872	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
244	ALL	502922	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
245	ALL	502972	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
246	ALL	503022	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
247	ALL	503072	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
248	ALL	503122	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
249	ALL	503172	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
250	ALL	503222	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
251	ALL	503272	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
252	ALL	503322	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
253	ALL	503372	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
254	ALL	503422	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
255	ALL	503472	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
256	ALL	503772	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
257	ALL	503822	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
258	ALL	503872	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
259	ALL	503922	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
260	ALL	503972	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
261	ALL	504022	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
262	ALL	504072	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
263	ALL	504122	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
264	ALL	504172	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
265	ALL	504222	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
266	ALL	504272	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
267	ALL	504322	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
268	ALL	504372	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04

269	ALL	504422	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
270	ALL	504472	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
271	ALL	504522	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
272	ALL	504572	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
273	ALL	504622	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
274	ALL	504672	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
275	ALL	504722	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
276	ALL	502722	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
277	ALL	502772	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
278	ALL	502822	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
279	ALL	502872	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
280	ALL	502922	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
281	ALL	502972	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
282	ALL	503022	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
283	ALL	503072	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
284	ALL	503122	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
285	ALL	503172	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
286	ALL	503222	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
287	ALL	503272	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
288	ALL	503772	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
289	ALL	503822	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
290	ALL	503872	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
291	ALL	503922	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
292	ALL	503972	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
293	ALL	504022	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
294	ALL	504072	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
295	ALL	504122	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
296	ALL	504172	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
297	ALL	504222	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
298	ALL	504272	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
299	ALL	504322	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
300	ALL	504372	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
301	ALL	504422	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
302	ALL	504472	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
303	ALL	504522	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
304	ALL	504572	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
305	ALL	504622	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
306	ALL	504672	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
307	ALL	504722	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
308	ALL	502722	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
309	ALL	502772	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
310	ALL	502822	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
311	ALL	502872	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
312	ALL	502922	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
313	ALL	502972	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
314	ALL	503022	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
315	ALL	503072	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
316	ALL	503122	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
317	ALL	503172	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
318	ALL	503222	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
319	ALL	503272	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
320	ALL	503822	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
321	ALL	503872	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
322	ALL	503922	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04

323	ALL	503972	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
324	ALL	504022	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
325	ALL	504072	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
326	ALL	504122	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
327	ALL	504172	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
328	ALL	504222	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
329	ALL	504272	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
330	ALL	504322	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
331	ALL	504372	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
332	ALL	504422	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
333	ALL	504472	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
334	ALL	504522	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
335	ALL	504572	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
336	ALL	504622	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
337	ALL	504672	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
338	ALL	504722	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
339	ALL	502722	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
340	ALL	502772	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
341	ALL	502822	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
342	ALL	502872	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
343	ALL	502922	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
344	ALL	502972	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
345	ALL	503022	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
346	ALL	503072	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
347	ALL	503122	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
348	ALL	503172	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
349	ALL	503222	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
350	ALL	503272	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
351	ALL	503822	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
352	ALL	503872	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
353	ALL	503922	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
354	ALL	503972	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04
355	ALL	504022	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
356	ALL	504072	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
357	ALL	504122	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
358	ALL	504172	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
359	ALL	504222	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
360	ALL	504272	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
361	ALL	504322	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
362	ALL	504372	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
363	ALL	504422	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
364	ALL	504472	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
365	ALL	504522	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
366	ALL	504572	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
367	ALL	504622	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
368	ALL	504672	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
369	ALL	504722	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
370	ALL	502722	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
371	ALL	502772	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
372	ALL	502822	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
373	ALL	502872	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
374	ALL	502922	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
375	ALL	502972	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
376	ALL	503022	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04

377	ALL	503072	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
378	ALL	503122	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
379	ALL	503172	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
380	ALL	503222	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
381	ALL	503272	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
382	ALL	503822	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04
383	ALL	503872	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
384	ALL	503922	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04
385	ALL	503972	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04
386	ALL	504022	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04
387	ALL	504072	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04
388	ALL	504122	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
389	ALL	504172	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04
390	ALL	504222	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
391	ALL	504272	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
392	ALL	504322	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
393	ALL	504372	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04
394	ALL	504422	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
395	ALL	504472	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
396	ALL	504522	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
397	ALL	504572	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
398	ALL	504622	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
399	ALL	504672	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
400	ALL	504722	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
401	ALL	502722	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
402	ALL	502772	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
403	ALL	502822	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
404	ALL	502872	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
405	ALL	502922	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
406	ALL	502972	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
407	ALL	503022	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
408	ALL	503072	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
409	ALL	503122	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
410	ALL	503172	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
411	ALL	503222	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
412	ALL	503272	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
413	ALL	503872	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-04
414	ALL	503922	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04
415	ALL	503972	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04
416	ALL	504022	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04
417	ALL	504072	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04
418	ALL	504122	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04
419	ALL	504172	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04
420	ALL	504222	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04
421	ALL	504272	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04
422	ALL	504322	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04
423	ALL	504372	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
424	ALL	504422	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
425	ALL	504472	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
426	ALL	504522	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
427	ALL	504572	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
428	ALL	504622	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
429	ALL	504672	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
430	ALL	504722	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04

431	ALL	502722	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
432	ALL	502772	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
433	ALL	502822	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
434	ALL	502872	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
435	ALL	502922	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
436	ALL	502972	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
437	ALL	503022	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
438	ALL	503072	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
439	ALL	503122	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
440	ALL	503172	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
441	ALL	503222	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
442	ALL	503272	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04
443	ALL	503872	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-04
444	ALL	503922	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04
445	ALL	503972	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04
446	ALL	504022	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04
447	ALL	504072	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04
448	ALL	504122	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04
449	ALL	504172	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04
450	ALL	504222	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04
451	ALL	504272	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04
452	ALL	504322	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04
453	ALL	504372	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
454	ALL	504422	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04
455	ALL	504472	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
456	ALL	504522	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
457	ALL	504572	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
458	ALL	504622	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
459	ALL	504672	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
460	ALL	504722	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
461	ALL	502722	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
462	ALL	502772	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
463	ALL	502822	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
464	ALL	502872	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
465	ALL	502922	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
466	ALL	502972	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
467	ALL	503022	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
468	ALL	503072	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
469	ALL	503122	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
470	ALL	503172	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
471	ALL	503222	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
472	ALL	503272	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
473	ALL	503922	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04
474	ALL	503972	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04
475	ALL	504022	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04
476	ALL	504072	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04
477	ALL	504122	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04
478	ALL	504172	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04
479	ALL	504222	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04
480	ALL	504272	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04
481	ALL	504322	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04
482	ALL	504372	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04
483	ALL	504422	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04
484	ALL	504472	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04

485	ALL	504522	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
486	ALL	504572	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
487	ALL	504622	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
488	ALL	504672	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
489	ALL	504722	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
490	ALL	502722	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
491	ALL	502772	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
492	ALL	502822	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
493	ALL	502872	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
494	ALL	502922	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
495	ALL	502972	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
496	ALL	503022	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
497	ALL	503072	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
498	ALL	503122	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
499	ALL	503172	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
500	ALL	503222	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
501	ALL	503272	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
502	ALL	503972	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
503	ALL	504022	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
504	ALL	504072	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04
505	ALL	504122	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04
506	ALL	504172	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04
507	ALL	504222	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04
508	ALL	504272	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04
509	ALL	504322	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04
510	ALL	504372	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
511	ALL	504422	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
512	ALL	504472	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
513	ALL	504522	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
514	ALL	504572	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
515	ALL	504622	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
516	ALL	504672	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
517	ALL	504722	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
518	ALL	502722	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
519	ALL	502772	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
520	ALL	502822	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
521	ALL	502872	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
522	ALL	502922	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
523	ALL	502972	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
524	ALL	503022	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
525	ALL	503072	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
526	ALL	503122	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
527	ALL	503172	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
528	ALL	503222	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
529	ALL	503272	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04
530	ALL	504072	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
531	ALL	504122	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
532	ALL	504172	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04
533	ALL	504222	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04
534	ALL	504272	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04
535	ALL	504322	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04
536	ALL	504372	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
537	ALL	504422	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
538	ALL	504472	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04

539	ALL	504522	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
540	ALL	504572	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
541	ALL	504622	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
542	ALL	504672	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
543	ALL	504722	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
544	ALL	502722	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
545	ALL	502772	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
546	ALL	502822	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
547	ALL	502872	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
548	ALL	502922	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
549	ALL	502972	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
550	ALL	503022	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
551	ALL	503072	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
552	ALL	503122	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
553	ALL	503172	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
554	ALL	503222	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
555	ALL	503272	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
556	ALL	504122	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
557	ALL	504172	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
558	ALL	504222	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04
559	ALL	504272	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04
560	ALL	504322	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04
561	ALL	504372	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04
562	ALL	504422	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04
563	ALL	504472	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
564	ALL	504522	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
565	ALL	504572	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
566	ALL	504622	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
567	ALL	504672	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
568	ALL	504722	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
569	ALL	502722	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
570	ALL	502772	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
571	ALL	502822	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
572	ALL	502872	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
573	ALL	502972	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
574	ALL	503022	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
575	ALL	503072	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04
576	ALL	503122	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
577	ALL	503172	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04
578	ALL	503222	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04
579	ALL	503272	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04
580	ALL	504172	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
581	ALL	504222	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04
582	ALL	504272	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04
583	ALL	504322	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04
584	ALL	504372	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
585	ALL	504422	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
586	ALL	504472	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
587	ALL	504522	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
588	ALL	504572	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
589	ALL	504622	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
590	ALL	504672	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
591	ALL	504722	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
592	ALL	502722	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04

593	ALL	502772	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
594	ALL	502822	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
595	ALL	503022	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
596	ALL	503072	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
597	ALL	503122	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
598	ALL	503172	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
599	ALL	503222	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
600	ALL	503272	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04
601	ALL	504222	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04
602	ALL	504272	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04
603	ALL	504322	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04
604	ALL	504372	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
605	ALL	504422	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
606	ALL	504472	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
607	ALL	504522	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
608	ALL	504572	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
609	ALL	504622	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
610	ALL	504672	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
611	ALL	504722	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
612	ALL	502722	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
613	ALL	502772	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
614	ALL	502822	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
615	ALL	504272	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04
616	ALL	504322	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04
617	ALL	504372	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04
618	ALL	504422	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04
619	ALL	504472	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
620	ALL	504522	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
621	ALL	504572	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
622	ALL	504622	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
623	ALL	504672	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
624	ALL	504722	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
625	ALL	502722	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
626	ALL	502772	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
627	ALL	502822	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
628	ALL	504322	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04
629	ALL	504372	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04
630	ALL	504422	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04
631	ALL	504472	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
632	ALL	504522	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
633	ALL	504572	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
634	ALL	504622	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
635	ALL	504672	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
636	ALL	504722	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
637	ALL	502722	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
638	ALL	502772	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
639	ALL	504372	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04
640	ALL	504422	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
641	ALL	504472	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
642	ALL	504522	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
643	ALL	504572	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
644	ALL	504622	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
645	ALL	504672	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
646	ALL	504722	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04

647	ALL	502722	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
648	ALL	502772	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
649	ALL	504422	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
650	ALL	504472	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
651	ALL	504522	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04
652	ALL	504572	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
653	ALL	504622	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
654	ALL	504672	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
655	ALL	504722	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
656	ALL	502722	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
657	ALL	502772	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
658	ALL	502822	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
659	ALL	502872	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
660	ALL	502922	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
661	ALL	502972	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
662	ALL	503022	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
663	ALL	503072	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
664	ALL	503122	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
665	ALL	504472	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04
666	ALL	504522	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
667	ALL	504572	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
668	ALL	504622	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
669	ALL	504672	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
670	ALL	504722	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
671	ALL	502722	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
672	ALL	502772	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
673	ALL	502822	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
674	ALL	502872	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
675	ALL	502922	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
676	ALL	502972	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
677	ALL	503022	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
678	ALL	503072	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
679	ALL	503122	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
680	ALL	503172	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04
681	ALL	503222	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
682	ALL	503272	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04
683	ALL	503322	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04
684	ALL	503372	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04
685	ALL	503422	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04
686	ALL	503472	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04
687	ALL	503522	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
688	ALL	504522	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
689	ALL	504572	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
690	ALL	504622	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
691	ALL	504672	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
692	ALL	504722	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
693	ALL	502722	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
694	ALL	502772	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
695	ALL	502822	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
696	ALL	502872	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
697	ALL	502922	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
698	ALL	502972	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
699	ALL	503022	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
700	ALL	503072	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04

701	ALL	503122	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
702	ALL	503172	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
703	ALL	503222	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04
704	ALL	503272	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
705	ALL	503322	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04
706	ALL	503372	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04
707	ALL	503422	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04
708	ALL	503472	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04
709	ALL	503522	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-04
710	ALL	503572	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
711	ALL	503622	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
712	ALL	504572	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
713	ALL	504622	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
714	ALL	504672	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
715	ALL	504722	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
716	ALL	502722	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
717	ALL	502772	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
718	ALL	502822	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
719	ALL	502872	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
720	ALL	502922	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
721	ALL	502972	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
722	ALL	503022	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
723	ALL	503072	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
724	ALL	503122	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
725	ALL	503172	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
726	ALL	503222	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
727	ALL	503272	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
728	ALL	503322	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04
729	ALL	503372	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04
730	ALL	503422	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04
731	ALL	503472	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04
732	ALL	503522	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04
733	ALL	503572	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-04
734	ALL	503622	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04
735	ALL	503672	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
736	ALL	503722	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
737	ALL	503772	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
738	ALL	503822	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
739	ALL	504622	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
740	ALL	504672	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
741	ALL	504722	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
742	ALL	502722	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
743	ALL	502772	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
744	ALL	502822	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
745	ALL	502872	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
746	ALL	502922	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
747	ALL	502972	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
748	ALL	503022	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
749	ALL	503072	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
750	ALL	503122	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
751	ALL	503172	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
752	ALL	503222	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
753	ALL	503272	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
754	ALL	503322	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04

755	ALL	503372	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04
756	ALL	503422	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04
757	ALL	503472	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04
758	ALL	503522	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04
759	ALL	503572	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04
760	ALL	503622	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04
761	ALL	503672	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04
762	ALL	503722	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04
763	ALL	503772	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04
764	ALL	503822	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04
765	ALL	503872	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04
766	ALL	503922	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04
767	ALL	504672	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
768	ALL	504722	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
769	ALL	502722	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
770	ALL	502772	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
771	ALL	502822	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
772	ALL	502872	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
773	ALL	502922	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
774	ALL	502972	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
775	ALL	503022	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
776	ALL	503072	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
777	ALL	503122	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
778	ALL	503172	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04
779	ALL	503222	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
780	ALL	503272	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
781	ALL	503322	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
782	ALL	503372	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
783	ALL	503422	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04
784	ALL	503472	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04
785	ALL	503522	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04
786	ALL	503572	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04
787	ALL	503622	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04
788	ALL	503672	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04
789	ALL	503722	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04
790	ALL	503772	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04
791	ALL	503822	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04
792	ALL	503872	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-04
793	ALL	503922	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04
794	ALL	504722	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
795	ALL	502722	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
796	ALL	502772	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
797	ALL	502822	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
798	ALL	502872	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
799	ALL	502922	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
800	ALL	502972	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
801	ALL	503022	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
802	ALL	503072	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
803	ALL	503122	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
804	ALL	503172	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
805	ALL	503222	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
806	ALL	503272	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
807	ALL	503322	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04
808	ALL	503372	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04

809	ALL	503422	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04
810	ALL	503472	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
811	ALL	503522	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04
812	ALL	503572	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04
813	ALL	503622	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04
814	ALL	503672	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04
815	ALL	503722	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04
816	ALL	503772	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04
817	ALL	503822	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04
818	ALL	503872	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04
819	ALL	502722	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
820	ALL	502772	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
821	ALL	502822	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
822	ALL	502872	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
823	ALL	502922	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
824	ALL	502972	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
825	ALL	503022	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
826	ALL	503072	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
827	ALL	503122	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
828	ALL	503172	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
829	ALL	503222	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
830	ALL	503272	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
831	ALL	503322	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
832	ALL	503372	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
833	ALL	503422	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
834	ALL	503472	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04
835	ALL	503522	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
836	ALL	503572	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
837	ALL	503622	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04
838	ALL	503672	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04
839	ALL	503722	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
840	ALL	503772	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04
841	ALL	503822	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04
842	ALL	503872	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04
843	ALL	502722	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
844	ALL	502772	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
845	ALL	502822	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
846	ALL	502872	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
847	ALL	502922	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
848	ALL	502972	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
849	ALL	503022	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
850	ALL	503072	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
851	ALL	503122	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
852	ALL	503172	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
853	ALL	503222	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
854	ALL	503272	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
855	ALL	503322	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
856	ALL	503372	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
857	ALL	503422	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
858	ALL	503472	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
859	ALL	503522	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
860	ALL	503572	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
861	ALL	503622	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04
862	ALL	503672	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04

863	ALL	503722	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
864	ALL	503772	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04
865	ALL	503822	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04
866	ALL	504372	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
867	ALL	502722	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
868	ALL	502772	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
869	ALL	502822	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
870	ALL	502872	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
871	ALL	502922	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
872	ALL	502972	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
873	ALL	503022	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
874	ALL	503072	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
875	ALL	503122	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
876	ALL	503172	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
877	ALL	503222	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
878	ALL	503272	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
879	ALL	503322	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
880	ALL	503372	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
881	ALL	503422	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
882	ALL	503472	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
883	ALL	503522	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
884	ALL	503572	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
885	ALL	503622	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04
886	ALL	503672	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
887	ALL	503722	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
888	ALL	503772	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04
889	ALL	503822	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
890	ALL	504372	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
891	ALL	504422	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
892	ALL	504472	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
893	ALL	504522	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
894	ALL	502722	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
895	ALL	502772	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
896	ALL	502822	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
897	ALL	502872	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
898	ALL	502922	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
899	ALL	502972	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
900	ALL	503022	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
901	ALL	503072	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
902	ALL	503122	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
903	ALL	503172	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
904	ALL	503222	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
905	ALL	503272	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
906	ALL	503322	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
907	ALL	503372	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
908	ALL	503422	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
909	ALL	503472	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
910	ALL	503522	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
911	ALL	503572	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
912	ALL	503622	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04
913	ALL	503672	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
914	ALL	503722	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
915	ALL	503772	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
916	ALL	503822	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04

917	ALL	504372	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
918	ALL	504422	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
919	ALL	504472	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
920	ALL	504522	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
921	ALL	504572	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
922	ALL	502722	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
923	ALL	502772	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
924	ALL	502822	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
925	ALL	502872	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
926	ALL	502922	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
927	ALL	502972	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
928	ALL	503022	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
929	ALL	503072	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
930	ALL	503122	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
931	ALL	503172	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
932	ALL	503222	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
933	ALL	503272	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
934	ALL	503322	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
935	ALL	503372	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
936	ALL	503422	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
937	ALL	503472	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
938	ALL	503522	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
939	ALL	503572	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
940	ALL	503622	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
941	ALL	503672	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
942	ALL	503722	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
943	ALL	503772	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
944	ALL	503822	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
945	ALL	504372	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
946	ALL	504422	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
947	ALL	504472	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
948	ALL	504522	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
949	ALL	504572	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
950	ALL	504622	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
951	ALL	502722	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
952	ALL	502772	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
953	ALL	502822	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
954	ALL	502872	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
955	ALL	502922	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
956	ALL	502972	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
957	ALL	503022	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
958	ALL	503072	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
959	ALL	503122	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
960	ALL	503172	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
961	ALL	503222	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
962	ALL	503272	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
963	ALL	503322	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
964	ALL	503372	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
965	ALL	503422	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
966	ALL	503472	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
967	ALL	503522	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
968	ALL	503572	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
969	ALL	503622	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
970	ALL	503672	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04

971	ALL	504372	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
972	ALL	504422	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
973	ALL	504472	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
974	ALL	504522	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
975	ALL	504572	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
976	ALL	504622	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
977	ALL	502722	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
978	ALL	502772	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
979	ALL	502822	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
980	ALL	502872	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
981	ALL	502922	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
982	ALL	502972	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
983	ALL	503022	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
984	ALL	503072	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
985	ALL	503122	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
986	ALL	503172	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
987	ALL	503222	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
988	ALL	503272	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
989	ALL	503322	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
990	ALL	503372	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
991	ALL	503422	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
992	ALL	503472	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
993	ALL	503522	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
994	ALL	503572	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
995	ALL	503622	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
996	ALL	504372	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
997	ALL	504422	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
998	ALL	504472	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
999	ALL	504522	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1000	ALL	504572	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1001	ALL	504622	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1002	ALL	504672	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1003	ALL	502722	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05
1004	ALL	502772	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1005	ALL	502822	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1006	ALL	502872	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1007	ALL	502922	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1008	ALL	502972	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1009	ALL	503022	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1010	ALL	503072	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1011	ALL	503122	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1012	ALL	503172	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1013	ALL	503222	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1014	ALL	503272	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1015	ALL	503322	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1016	ALL	503372	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1017	ALL	503422	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1018	ALL	503472	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
1019	ALL	503522	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1020	ALL	503572	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
1021	ALL	503622	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
1022	ALL	504372	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1023	ALL	504422	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1024	ALL	504472	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04

1025	ALL	504522	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1026	ALL	504572	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1027	ALL	504622	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1028	ALL	504672	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1029	ALL	504722	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1030	ALL	502722	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
1031	ALL	502772	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05
1032	ALL	502822	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05
1033	ALL	502872	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1034	ALL	502922	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1035	ALL	502972	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1036	ALL	503022	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1037	ALL	503072	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1038	ALL	503122	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1039	ALL	503172	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1040	ALL	503222	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1041	ALL	503272	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1042	ALL	503322	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1043	ALL	503372	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1044	ALL	503422	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
1045	ALL	503472	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1046	ALL	503522	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
1047	ALL	503572	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1048	ALL	503622	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
1049	ALL	503672	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
1050	ALL	503722	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
1051	ALL	504372	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1052	ALL	504422	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1053	ALL	504472	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1054	ALL	504522	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1055	ALL	504572	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1056	ALL	504622	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1057	ALL	504672	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1058	ALL	504722	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1059	ALL	502722	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
1060	ALL	502772	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05
1061	ALL	502822	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05
1062	ALL	502872	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05
1063	ALL	502922	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1064	ALL	502972	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1065	ALL	503022	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1066	ALL	503072	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1067	ALL	503122	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1068	ALL	503172	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1069	ALL	503222	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1070	ALL	503272	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1071	ALL	503322	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1072	ALL	503372	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1073	ALL	503422	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1074	ALL	503472	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
1075	ALL	503522	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1076	ALL	503572	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1077	ALL	503622	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1078	ALL	503672	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04

1079	ALL	503722	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
1080	ALL	503772	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1081	ALL	503822	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1082	ALL	504372	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1083	ALL	504422	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1084	ALL	504472	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1085	ALL	504522	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1086	ALL	504572	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1087	ALL	504622	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1088	ALL	504672	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1089	ALL	504722	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1090	ALL	502722	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05
1091	ALL	502772	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
1092	ALL	502822	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
1093	ALL	502872	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05
1094	ALL	502922	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05
1095	ALL	502972	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1096	ALL	503022	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1097	ALL	503072	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1098	ALL	503122	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1099	ALL	503172	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1100	ALL	503222	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1101	ALL	503272	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1102	ALL	503322	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1103	ALL	503372	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1104	ALL	503422	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1105	ALL	503472	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1106	ALL	503522	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1107	ALL	503572	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1108	ALL	503622	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1109	ALL	503672	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1110	ALL	503722	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1111	ALL	503772	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1112	ALL	503822	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1113	ALL	503872	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
1114	ALL	503922	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1115	ALL	504372	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1116	ALL	504422	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1117	ALL	504472	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1118	ALL	504522	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1119	ALL	504572	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1120	ALL	504622	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1121	ALL	504672	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1122	ALL	504722	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1123	ALL	502222	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
1124	ALL	502272	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
1125	ALL	502322	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
1126	ALL	502372	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
1127	ALL	502422	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05
1128	ALL	502472	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05
1129	ALL	502522	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
1130	ALL	502572	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
1131	ALL	502622	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
1132	ALL	502672	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05

1133	ALL	502722	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05
1134	ALL	502772	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
1135	ALL	502822	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
1136	ALL	502872	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
1137	ALL	502922	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
1138	ALL	502972	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
1139	ALL	503022	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
1140	ALL	503072	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
1141	ALL	503122	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05
1142	ALL	503172	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
1143	ALL	503222	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
1144	ALL	503272	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
1145	ALL	503322	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
1146	ALL	503372	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
1147	ALL	503422	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
1148	ALL	503472	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05
1149	ALL	503622	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
1150	ALL	503672	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
1151	ALL	503722	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
1152	ALL	503772	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05
1153	ALL	503822	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
1154	ALL	503872	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
1155	ALL	503922	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
1156	ALL	503972	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
1157	ALL	504022	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
1158	ALL	504072	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1159	ALL	504122	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
1160	ALL	504172	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
1161	ALL	504222	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
1162	ALL	504272	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1163	ALL	504322	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1164	ALL	504372	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
1165	ALL	504422	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
1166	ALL	504472	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
1167	ALL	504522	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
1168	ALL	504572	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
1169	ALL	504622	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
1170	ALL	504672	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
1171	ALL	504722	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
1172	ALL	504772	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
1173	ALL	504822	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1174	ALL	504872	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
1175	ALL	504922	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
1176	ALL	504972	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
1177	ALL	505022	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
1178	ALL	505072	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
1179	ALL	505122	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
1180	ALL	505172	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
1181	ALL	505222	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1182	ALL	502222	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
1183	ALL	502272	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
1184	ALL	502322	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
1185	ALL	502372	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
1186	ALL	502422	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05

1187	ALL	502472	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
1188	ALL	502522	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05
1189	ALL	502572	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05
1190	ALL	502622	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
1191	ALL	502672	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05
1192	ALL	502722	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
1193	ALL	502772	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
1194	ALL	502822	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
1195	ALL	502872	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
1196	ALL	502922	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05
1197	ALL	502972	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
1198	ALL	503022	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
1199	ALL	503072	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
1200	ALL	503122	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05
1201	ALL	503172	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
1202	ALL	503222	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05
1203	ALL	503272	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05
1204	ALL	503322	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
1205	ALL	503372	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
1206	ALL	503422	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
1207	ALL	503472	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05
1208	ALL	503622	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
1209	ALL	503672	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
1210	ALL	503722	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
1211	ALL	503772	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
1212	ALL	503822	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
1213	ALL	503872	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
1214	ALL	503922	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1215	ALL	503972	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1216	ALL	504022	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
1217	ALL	504072	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
1218	ALL	504122	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
1219	ALL	504172	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1220	ALL	504222	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
1221	ALL	504272	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
1222	ALL	504322	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
1223	ALL	504372	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
1224	ALL	504422	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
1225	ALL	504472	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
1226	ALL	504522	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1227	ALL	504572	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
1228	ALL	504622	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
1229	ALL	504672	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
1230	ALL	504722	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05
1231	ALL	504772	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
1232	ALL	504822	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
1233	ALL	504872	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
1234	ALL	504922	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
1235	ALL	504972	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
1236	ALL	505022	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
1237	ALL	505072	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
1238	ALL	505122	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
1239	ALL	505172	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05
1240	ALL	505222	3633026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05

1241	ALL	502222	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05
1242	ALL	502272	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
1243	ALL	502322	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05
1244	ALL	502372	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05
1245	ALL	502422	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05
1246	ALL	502472	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
1247	ALL	502522	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
1248	ALL	502572	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
1249	ALL	502622	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
1250	ALL	502672	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
1251	ALL	502722	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
1252	ALL	502772	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
1253	ALL	502822	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05
1254	ALL	502872	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
1255	ALL	502922	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
1256	ALL	502972	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05
1257	ALL	503022	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
1258	ALL	503072	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
1259	ALL	503122	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
1260	ALL	503172	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
1261	ALL	503222	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05
1262	ALL	503272	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
1263	ALL	503322	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
1264	ALL	503372	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
1265	ALL	503422	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
1266	ALL	503472	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
1267	ALL	503622	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
1268	ALL	503672	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
1269	ALL	503722	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
1270	ALL	503772	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05
1271	ALL	503822	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
1272	ALL	503872	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
1273	ALL	503922	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
1274	ALL	503972	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
1275	ALL	504022	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
1276	ALL	504072	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
1277	ALL	504122	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
1278	ALL	504172	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
1279	ALL	504222	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
1280	ALL	504272	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
1281	ALL	504322	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
1282	ALL	504372	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
1283	ALL	504422	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
1284	ALL	504472	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
1285	ALL	504522	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
1286	ALL	504572	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
1287	ALL	504622	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
1288	ALL	504672	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
1289	ALL	504722	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
1290	ALL	504772	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
1291	ALL	504822	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
1292	ALL	504872	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
1293	ALL	504922	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
1294	ALL	504972	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05

1295	ALL	505022	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
1296	ALL	505072	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
1297	ALL	505122	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
1298	ALL	505172	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
1299	ALL	505222	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
1300	ALL	502222	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
1301	ALL	502272	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
1302	ALL	502322	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05
1303	ALL	502372	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
1304	ALL	502422	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
1305	ALL	502472	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
1306	ALL	502522	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
1307	ALL	502572	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05
1308	ALL	502622	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05
1309	ALL	502672	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05
1310	ALL	502722	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
1311	ALL	502772	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
1312	ALL	502822	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
1313	ALL	502872	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
1314	ALL	502922	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05
1315	ALL	502972	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05
1316	ALL	503022	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
1317	ALL	503072	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
1318	ALL	503122	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05
1319	ALL	503172	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
1320	ALL	503222	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05
1321	ALL	503272	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
1322	ALL	503322	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05
1323	ALL	503372	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
1324	ALL	503422	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
1325	ALL	503472	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
1326	ALL	503622	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
1327	ALL	503672	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
1328	ALL	503722	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05
1329	ALL	503772	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
1330	ALL	503822	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05
1331	ALL	503872	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
1332	ALL	503922	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
1333	ALL	503972	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
1334	ALL	504022	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
1335	ALL	504072	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
1336	ALL	504122	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
1337	ALL	504172	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
1338	ALL	504222	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
1339	ALL	504272	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
1340	ALL	504322	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
1341	ALL	504372	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05
1342	ALL	504422	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05
1343	ALL	504472	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05
1344	ALL	504522	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05
1345	ALL	504572	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
1346	ALL	504622	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05
1347	ALL	504672	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
1348	ALL	504722	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05

1349	ALL	504772	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
1350	ALL	504822	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
1351	ALL	504872	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
1352	ALL	504922	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05
1353	ALL	504972	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
1354	ALL	505022	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
1355	ALL	505072	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
1356	ALL	505122	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
1357	ALL	505172	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05
1358	ALL	505222	3633126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
1359	ALL	502222	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
1360	ALL	502272	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05
1361	ALL	502322	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
1362	ALL	502372	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05
1363	ALL	502422	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
1364	ALL	502472	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
1365	ALL	502522	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
1366	ALL	502572	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05
1367	ALL	502622	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
1368	ALL	502672	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05
1369	ALL	502722	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05
1370	ALL	502772	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05
1371	ALL	502822	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
1372	ALL	502872	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05
1373	ALL	502922	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
1374	ALL	502972	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
1375	ALL	503022	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05
1376	ALL	503072	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
1377	ALL	503122	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05
1378	ALL	503172	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05
1379	ALL	503222	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
1380	ALL	503272	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05
1381	ALL	503322	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
1382	ALL	503372	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
1383	ALL	503422	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05
1384	ALL	503472	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05
1385	ALL	503622	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05
1386	ALL	503672	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
1387	ALL	503722	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
1388	ALL	503772	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
1389	ALL	503822	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
1390	ALL	503872	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
1391	ALL	503922	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05
1392	ALL	503972	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
1393	ALL	504022	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
1394	ALL	504072	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
1395	ALL	504122	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
1396	ALL	504172	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
1397	ALL	504222	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
1398	ALL	504272	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05
1399	ALL	504322	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05
1400	ALL	504372	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05
1401	ALL	504422	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
1402	ALL	504472	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05

1403	ALL	504522	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
1404	ALL	504572	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
1405	ALL	504622	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
1406	ALL	504672	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
1407	ALL	504722	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
1408	ALL	504772	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
1409	ALL	504822	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
1410	ALL	504872	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
1411	ALL	504922	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
1412	ALL	504972	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
1413	ALL	505022	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
1414	ALL	505072	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
1415	ALL	505122	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
1416	ALL	505172	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
1417	ALL	505222	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
1418	ALL	502222	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
1419	ALL	502272	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
1420	ALL	502322	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
1421	ALL	502372	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05
1422	ALL	502422	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
1423	ALL	502472	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05
1424	ALL	502522	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05
1425	ALL	502572	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
1426	ALL	502622	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
1427	ALL	502672	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05
1428	ALL	502722	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05
1429	ALL	502772	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
1430	ALL	502822	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
1431	ALL	502872	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
1432	ALL	502922	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05
1433	ALL	502972	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05
1434	ALL	503022	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05
1435	ALL	503072	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
1436	ALL	503122	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
1437	ALL	503172	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
1438	ALL	503222	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
1439	ALL	503272	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
1440	ALL	503322	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
1441	ALL	503372	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
1442	ALL	503422	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05
1443	ALL	503472	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05
1444	ALL	503622	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05
1445	ALL	503672	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05
1446	ALL	503722	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
1447	ALL	503772	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
1448	ALL	503822	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
1449	ALL	503872	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
1450	ALL	503922	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
1451	ALL	503972	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
1452	ALL	504022	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
1453	ALL	504072	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
1454	ALL	504122	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05
1455	ALL	504172	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
1456	ALL	504222	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05

1457	ALL	504272	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
1458	ALL	504322	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05
1459	ALL	504372	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
1460	ALL	504422	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
1461	ALL	504472	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05
1462	ALL	504522	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
1463	ALL	504572	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
1464	ALL	504622	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
1465	ALL	504672	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05
1466	ALL	504722	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
1467	ALL	504772	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
1468	ALL	504822	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05
1469	ALL	504872	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
1470	ALL	504922	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05
1471	ALL	504972	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05
1472	ALL	505022	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05
1473	ALL	505072	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
1474	ALL	505122	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
1475	ALL	505172	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05
1476	ALL	505222	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05
1477	ALL	502222	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
1478	ALL	502272	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
1479	ALL	502322	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05
1480	ALL	502372	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
1481	ALL	502422	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
1482	ALL	502472	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05
1483	ALL	502522	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
1484	ALL	502572	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
1485	ALL	502622	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
1486	ALL	502672	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
1487	ALL	502722	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
1488	ALL	502772	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
1489	ALL	502822	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
1490	ALL	502872	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05
1491	ALL	502922	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
1492	ALL	502972	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05
1493	ALL	503022	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
1494	ALL	503072	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05
1495	ALL	503122	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05
1496	ALL	503172	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05
1497	ALL	503222	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
1498	ALL	503272	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05
1499	ALL	503322	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05
1500	ALL	503372	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
1501	ALL	503422	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05
1502	ALL	503472	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
1503	ALL	503622	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
1504	ALL	503672	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
1505	ALL	503722	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
1506	ALL	503772	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
1507	ALL	503822	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
1508	ALL	503872	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
1509	ALL	503922	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
1510	ALL	503972	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05

1511	ALL	504022	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
1512	ALL	504072	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
1513	ALL	504122	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
1514	ALL	504172	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05
1515	ALL	504222	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
1516	ALL	504272	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
1517	ALL	504322	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
1518	ALL	504372	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
1519	ALL	504422	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
1520	ALL	504472	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05
1521	ALL	504522	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05
1522	ALL	504572	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05
1523	ALL	504622	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
1524	ALL	504672	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05
1525	ALL	504722	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05
1526	ALL	504772	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05
1527	ALL	504822	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
1528	ALL	504872	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
1529	ALL	504922	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05
1530	ALL	504972	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
1531	ALL	505022	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
1532	ALL	505072	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05
1533	ALL	505122	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
1534	ALL	505172	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05
1535	ALL	505222	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05
1536	ALL	502222	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
1537	ALL	502272	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05
1538	ALL	502322	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
1539	ALL	502372	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
1540	ALL	502422	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
1541	ALL	502472	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
1542	ALL	502522	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05
1543	ALL	502572	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05
1544	ALL	502622	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
1545	ALL	502672	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
1546	ALL	502722	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
1547	ALL	502772	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
1548	ALL	502822	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
1549	ALL	502872	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05
1550	ALL	502922	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05
1551	ALL	502972	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
1552	ALL	503022	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05
1553	ALL	503072	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
1554	ALL	503122	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1555	ALL	503172	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1556	ALL	503222	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1557	ALL	503272	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05
1558	ALL	503322	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
1559	ALL	503372	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05
1560	ALL	503422	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05
1561	ALL	503472	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05
1562	ALL	503622	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
1563	ALL	503672	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
1564	ALL	503722	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05

1565	ALL	503772	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
1566	ALL	503822	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
1567	ALL	503872	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
1568	ALL	503922	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05
1569	ALL	503972	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
1570	ALL	504022	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05
1571	ALL	504072	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
1572	ALL	504122	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
1573	ALL	504172	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
1574	ALL	504222	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05
1575	ALL	504272	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
1576	ALL	504322	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05
1577	ALL	504372	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
1578	ALL	504422	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
1579	ALL	504472	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05
1580	ALL	504522	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
1581	ALL	504572	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05
1582	ALL	504622	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05
1583	ALL	504672	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
1584	ALL	504722	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05
1585	ALL	504772	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05
1586	ALL	504822	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05
1587	ALL	504872	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05
1588	ALL	504922	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
1589	ALL	504972	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05
1590	ALL	505022	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
1591	ALL	505072	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05
1592	ALL	505122	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
1593	ALL	505172	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
1594	ALL	505222	3633326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
1595	ALL	502222	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05
1596	ALL	502272	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
1597	ALL	502322	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
1598	ALL	502372	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
1599	ALL	502422	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
1600	ALL	502472	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05
1601	ALL	502522	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05
1602	ALL	502572	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
1603	ALL	502622	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05
1604	ALL	502672	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
1605	ALL	502722	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05
1606	ALL	502772	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
1607	ALL	502822	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05
1608	ALL	502872	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
1609	ALL	502922	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05
1610	ALL	502972	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05
1611	ALL	503022	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05
1612	ALL	503072	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1613	ALL	503122	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1614	ALL	503172	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1615	ALL	503222	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1616	ALL	503272	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1617	ALL	503322	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1618	ALL	503372	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05

1619	ALL	503422	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05
1620	ALL	503472	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05
1621	ALL	503622	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05
1622	ALL	503672	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
1623	ALL	503722	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
1624	ALL	503772	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
1625	ALL	503822	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05
1626	ALL	503872	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
1627	ALL	503922	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
1628	ALL	503972	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
1629	ALL	504022	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05
1630	ALL	504072	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
1631	ALL	504122	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
1632	ALL	504172	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05
1633	ALL	504222	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
1634	ALL	504272	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
1635	ALL	504322	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
1636	ALL	504372	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
1637	ALL	504422	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
1638	ALL	504472	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
1639	ALL	504522	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
1640	ALL	504572	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
1641	ALL	504622	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
1642	ALL	504672	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
1643	ALL	504722	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05
1644	ALL	504772	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
1645	ALL	504822	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
1646	ALL	504872	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05
1647	ALL	504922	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
1648	ALL	504972	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
1649	ALL	505022	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
1650	ALL	505072	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
1651	ALL	505122	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
1652	ALL	505172	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
1653	ALL	505222	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
1654	ALL	502222	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
1655	ALL	502272	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
1656	ALL	502322	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
1657	ALL	502372	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
1658	ALL	502422	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
1659	ALL	502472	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05
1660	ALL	502522	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05
1661	ALL	502572	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
1662	ALL	502622	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05
1663	ALL	502672	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05
1664	ALL	502722	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05
1665	ALL	502772	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05
1666	ALL	502822	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
1667	ALL	502872	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
1668	ALL	502922	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05
1669	ALL	502972	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1670	ALL	503022	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1671	ALL	503072	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1672	ALL	503122	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04

1673	ALL	503172	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1674	ALL	503222	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1675	ALL	503272	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1676	ALL	503322	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1677	ALL	503372	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05
1678	ALL	503422	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05
1679	ALL	503472	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
1680	ALL	503622	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05
1681	ALL	503672	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
1682	ALL	503722	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
1683	ALL	503772	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
1684	ALL	503822	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05
1685	ALL	503872	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
1686	ALL	503922	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
1687	ALL	503972	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05
1688	ALL	504022	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05
1689	ALL	504072	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05
1690	ALL	504122	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
1691	ALL	504172	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
1692	ALL	504222	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
1693	ALL	504272	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
1694	ALL	504322	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
1695	ALL	504372	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05
1696	ALL	504422	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
1697	ALL	504472	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
1698	ALL	504522	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
1699	ALL	504572	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
1700	ALL	504622	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
1701	ALL	504672	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
1702	ALL	504722	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
1703	ALL	504772	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05
1704	ALL	504822	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
1705	ALL	504872	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
1706	ALL	504922	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05
1707	ALL	504972	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
1708	ALL	505022	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05
1709	ALL	505072	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
1710	ALL	505122	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
1711	ALL	505172	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
1712	ALL	505222	3633426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
1713	ALL	502222	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05
1714	ALL	502272	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
1715	ALL	502322	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
1716	ALL	502372	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05
1717	ALL	502422	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05
1718	ALL	502472	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05
1719	ALL	502522	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
1720	ALL	502572	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05
1721	ALL	502622	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
1722	ALL	502672	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05
1723	ALL	504772	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05
1724	ALL	504822	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
1725	ALL	504872	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
1726	ALL	504922	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05

1727	ALL	504972	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05
1728	ALL	505022	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
1729	ALL	505072	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
1730	ALL	505122	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05
1731	ALL	505172	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
1732	ALL	505222	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
1733	ALL	502222	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
1734	ALL	502272	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
1735	ALL	502322	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05
1736	ALL	502372	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05
1737	ALL	502422	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
1738	ALL	502472	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05
1739	ALL	502522	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
1740	ALL	502572	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
1741	ALL	502622	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05
1742	ALL	502672	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05
1743	ALL	504772	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05
1744	ALL	504822	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05
1745	ALL	504872	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05
1746	ALL	504922	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05
1747	ALL	504972	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05
1748	ALL	505022	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05
1749	ALL	505072	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05
1750	ALL	505122	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
1751	ALL	505172	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05
1752	ALL	505222	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
1753	ALL	502222	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
1754	ALL	502272	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
1755	ALL	502322	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05
1756	ALL	502372	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05
1757	ALL	502422	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
1758	ALL	502472	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05
1759	ALL	502522	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05
1760	ALL	502572	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05
1761	ALL	502622	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05
1762	ALL	502672	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05
1763	ALL	504772	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05
1764	ALL	504822	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05
1765	ALL	504872	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05
1766	ALL	504922	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
1767	ALL	504972	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
1768	ALL	505022	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
1769	ALL	505072	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
1770	ALL	505122	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05
1771	ALL	505172	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
1772	ALL	505222	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
1773	ALL	502222	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05
1774	ALL	502272	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05
1775	ALL	502322	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05
1776	ALL	502372	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05
1777	ALL	502422	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
1778	ALL	502472	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05
1779	ALL	502522	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05
1780	ALL	502572	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05

1781	ALL	502622	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05
1782	ALL	502672	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
1783	ALL	504772	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05
1784	ALL	504822	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05
1785	ALL	504872	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
1786	ALL	504922	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
1787	ALL	504972	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
1788	ALL	505022	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05
1789	ALL	505072	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05
1790	ALL	505122	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05
1791	ALL	505172	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05
1792	ALL	505222	3633626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
1793	ALL	502222	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05
1794	ALL	502272	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
1795	ALL	502322	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
1796	ALL	502372	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05
1797	ALL	502422	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
1798	ALL	502472	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
1799	ALL	502522	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05
1800	ALL	502572	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05
1801	ALL	502622	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05
1802	ALL	502672	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05
1803	ALL	504772	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1804	ALL	504822	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1805	ALL	504872	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05
1806	ALL	504922	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05
1807	ALL	504972	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05
1808	ALL	505022	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
1809	ALL	505072	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05
1810	ALL	505122	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
1811	ALL	505172	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05
1812	ALL	505222	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
1813	ALL	502222	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05
1814	ALL	502272	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05
1815	ALL	502322	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
1816	ALL	502372	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05
1817	ALL	502422	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05
1818	ALL	502472	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05
1819	ALL	502522	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05
1820	ALL	502572	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
1821	ALL	502622	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
1822	ALL	502672	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05
1823	ALL	504772	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1824	ALL	504822	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1825	ALL	504872	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1826	ALL	504922	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1827	ALL	504972	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05
1828	ALL	505022	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05
1829	ALL	505072	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05
1830	ALL	505122	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
1831	ALL	505172	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05
1832	ALL	505222	3633726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
1833	ALL	502222	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
1834	ALL	502272	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05

1835	ALL	502322	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
1836	ALL	502372	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
1837	ALL	502422	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
1838	ALL	502472	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05
1839	ALL	502522	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05
1840	ALL	502572	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
1841	ALL	502622	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05
1842	ALL	502672	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1843	ALL	504772	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1844	ALL	504822	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1845	ALL	504872	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1846	ALL	504922	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1847	ALL	504972	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1848	ALL	505022	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05
1849	ALL	505072	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05
1850	ALL	505122	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05
1851	ALL	505172	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
1852	ALL	505222	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05
1853	ALL	502222	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05
1854	ALL	502272	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
1855	ALL	502322	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05
1856	ALL	502372	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05
1857	ALL	502422	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05
1858	ALL	502472	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05
1859	ALL	502522	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
1860	ALL	502572	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05
1861	ALL	502622	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05
1862	ALL	502672	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1863	ALL	504772	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1864	ALL	504822	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1865	ALL	504872	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1866	ALL	504922	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1867	ALL	504972	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05
1868	ALL	505022	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
1869	ALL	505072	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05
1870	ALL	505122	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05
1871	ALL	505172	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05
1872	ALL	505222	3633826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
1873	ALL	502222	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05
1874	ALL	502272	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05
1875	ALL	502322	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
1876	ALL	502372	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
1877	ALL	502422	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05
1878	ALL	502472	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05
1879	ALL	502522	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
1880	ALL	502572	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05
1881	ALL	502622	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1882	ALL	502672	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1883	ALL	504772	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1884	ALL	504822	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1885	ALL	504872	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1886	ALL	504922	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1887	ALL	504972	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
1888	ALL	505022	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05

1889	ALL	505072	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05
1890	ALL	505122	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05
1891	ALL	505172	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05
1892	ALL	505222	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
1893	ALL	502222	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
1894	ALL	502272	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
1895	ALL	502322	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
1896	ALL	502372	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05
1897	ALL	502422	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05
1898	ALL	502472	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
1899	ALL	502522	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05
1900	ALL	502572	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05
1901	ALL	502622	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1902	ALL	502672	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1903	ALL	504772	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1904	ALL	504822	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1905	ALL	504872	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1906	ALL	504922	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1907	ALL	504972	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
1908	ALL	505022	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05
1909	ALL	505072	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
1910	ALL	505122	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05
1911	ALL	505172	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05
1912	ALL	505222	3633926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
1913	ALL	502222	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05
1914	ALL	502272	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05
1915	ALL	502322	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05
1916	ALL	502372	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
1917	ALL	502422	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05
1918	ALL	502472	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05
1919	ALL	502522	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05
1920	ALL	502572	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1921	ALL	502622	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1922	ALL	502672	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1923	ALL	504772	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1924	ALL	504822	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1925	ALL	504872	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1926	ALL	504922	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1927	ALL	504972	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1928	ALL	505022	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05
1929	ALL	505072	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05
1930	ALL	505122	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05
1931	ALL	505172	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05
1932	ALL	505222	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
1933	ALL	502222	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05
1934	ALL	502272	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
1935	ALL	502322	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05
1936	ALL	502372	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
1937	ALL	502422	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05
1938	ALL	502472	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05
1939	ALL	502522	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05
1940	ALL	502572	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1941	ALL	502622	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1942	ALL	502672	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04

1943	ALL	504772	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1944	ALL	504822	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1945	ALL	504872	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1946	ALL	504922	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1947	ALL	504972	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1948	ALL	505022	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
1949	ALL	505072	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
1950	ALL	505122	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05
1951	ALL	505172	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
1952	ALL	505222	3634026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
1953	ALL	502222	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
1954	ALL	502272	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
1955	ALL	502322	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05
1956	ALL	502372	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05
1957	ALL	502422	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05
1958	ALL	502472	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05
1959	ALL	502522	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1960	ALL	502572	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1961	ALL	502622	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1962	ALL	502672	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1963	ALL	504772	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1964	ALL	504822	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1965	ALL	504872	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1966	ALL	504922	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1967	ALL	504972	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05
1968	ALL	505022	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
1969	ALL	505072	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05
1970	ALL	505122	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05
1971	ALL	505172	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05
1972	ALL	505222	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
1973	ALL	502222	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
1974	ALL	502272	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05
1975	ALL	502322	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05
1976	ALL	502372	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
1977	ALL	502422	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
1978	ALL	502472	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05
1979	ALL	502522	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1980	ALL	502572	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1981	ALL	502622	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1982	ALL	502672	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1983	ALL	504772	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1984	ALL	504822	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1985	ALL	504872	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1986	ALL	504922	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1987	ALL	504972	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
1988	ALL	505022	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05
1989	ALL	505072	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05
1990	ALL	505122	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05
1991	ALL	505172	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05
1992	ALL	505222	3634126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05
1993	ALL	502222	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05
1994	ALL	502272	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
1995	ALL	502322	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05
1996	ALL	502372	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05

1997	ALL	502422	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05
1998	ALL	502472	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05
1999	ALL	502522	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2000	ALL	502572	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2001	ALL	502622	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2002	ALL	502672	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2003	ALL	504772	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2004	ALL	504822	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2005	ALL	504872	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2006	ALL	504922	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05
2007	ALL	504972	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05
2008	ALL	505022	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05
2009	ALL	505072	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
2010	ALL	505122	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
2011	ALL	505172	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
2012	ALL	505222	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
2013	ALL	502222	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
2014	ALL	502272	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
2015	ALL	502322	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05
2016	ALL	502372	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05
2017	ALL	502422	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
2018	ALL	502472	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
2019	ALL	502522	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2020	ALL	502572	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2021	ALL	502622	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2022	ALL	502672	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2023	ALL	504772	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2024	ALL	504822	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2025	ALL	504872	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2026	ALL	504922	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05
2027	ALL	504972	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05
2028	ALL	505022	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05
2029	ALL	505072	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05
2030	ALL	505122	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05
2031	ALL	505172	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05
2032	ALL	505222	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
2033	ALL	502222	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
2034	ALL	502272	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05
2035	ALL	502322	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05
2036	ALL	502372	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
2037	ALL	502422	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
2038	ALL	502472	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2039	ALL	502522	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2040	ALL	502572	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2041	ALL	502622	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2042	ALL	502672	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2043	ALL	504772	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2044	ALL	504822	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2045	ALL	504872	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05
2046	ALL	504922	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05
2047	ALL	504972	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05
2048	ALL	505022	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
2049	ALL	505072	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
2050	ALL	505122	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05

2051	ALL	505172	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
2052	ALL	505222	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
2053	ALL	502222	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05
2054	ALL	502272	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05
2055	ALL	502322	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05
2056	ALL	502372	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
2057	ALL	502422	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
2058	ALL	502472	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2059	ALL	502522	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2060	ALL	502572	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2061	ALL	502622	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2062	ALL	502672	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2063	ALL	504772	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2064	ALL	504822	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2065	ALL	504872	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05
2066	ALL	504922	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05
2067	ALL	504972	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05
2068	ALL	505022	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05
2069	ALL	505072	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
2070	ALL	505122	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
2071	ALL	505172	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
2072	ALL	505222	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05
2073	ALL	502222	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
2074	ALL	502272	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05
2075	ALL	502322	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05
2076	ALL	502372	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05
2077	ALL	502422	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05
2078	ALL	502472	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2079	ALL	502522	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2080	ALL	502572	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2081	ALL	502622	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2082	ALL	502672	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2083	ALL	504772	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2084	ALL	504822	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2085	ALL	504872	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2086	ALL	504922	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05
2087	ALL	504972	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05
2088	ALL	505022	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05
2089	ALL	505072	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
2090	ALL	505122	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
2091	ALL	505172	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
2092	ALL	505222	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05
2093	ALL	502222	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05
2094	ALL	502272	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05
2095	ALL	502322	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
2096	ALL	502372	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05
2097	ALL	502422	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05
2098	ALL	502472	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2099	ALL	502522	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2100	ALL	502572	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2101	ALL	502622	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2102	ALL	502672	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2103	ALL	504772	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2104	ALL	504822	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04

2105	ALL	504872	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2106	ALL	504922	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2107	ALL	504972	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05
2108	ALL	505022	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
2109	ALL	505072	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
2110	ALL	505122	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
2111	ALL	505172	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05
2112	ALL	505222	3634426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
2113	ALL	502222	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05
2114	ALL	502272	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
2115	ALL	502322	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
2116	ALL	502372	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05
2117	ALL	502422	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05
2118	ALL	502472	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2119	ALL	502522	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2120	ALL	502572	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2121	ALL	502622	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2122	ALL	502672	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2123	ALL	504772	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2124	ALL	504822	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2125	ALL	504872	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2126	ALL	504922	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2127	ALL	504972	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2128	ALL	505022	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05
2129	ALL	505072	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05
2130	ALL	505122	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05
2131	ALL	505172	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
2132	ALL	505222	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
2133	ALL	502222	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
2134	ALL	502272	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
2135	ALL	502322	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
2136	ALL	502372	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
2137	ALL	502422	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
2138	ALL	502472	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2139	ALL	502522	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2140	ALL	502572	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2141	ALL	502622	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2142	ALL	502672	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2143	ALL	504772	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2144	ALL	504822	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2145	ALL	504872	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2146	ALL	504922	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2147	ALL	504972	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2148	ALL	505022	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2149	ALL	505072	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2150	ALL	505122	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
2151	ALL	505172	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05
2152	ALL	505222	3634526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05
2153	ALL	502222	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
2154	ALL	502272	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
2155	ALL	502322	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05
2156	ALL	502372	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05
2157	ALL	502422	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05
2158	ALL	502472	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04

2159	ALL	502522	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2160	ALL	502572	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2161	ALL	502622	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2162	ALL	502672	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2163	ALL	504772	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2164	ALL	504822	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2165	ALL	504872	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2166	ALL	504922	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2167	ALL	504972	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2168	ALL	505022	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2169	ALL	505072	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2170	ALL	505122	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05
2171	ALL	505172	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05
2172	ALL	505222	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
2173	ALL	502222	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05
2174	ALL	502272	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05
2175	ALL	502322	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
2176	ALL	502372	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05
2177	ALL	502422	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05
2178	ALL	502472	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2179	ALL	502522	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2180	ALL	502572	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2181	ALL	502622	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2182	ALL	502672	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2183	ALL	504772	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
2184	ALL	504822	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
2185	ALL	504872	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
2186	ALL	504922	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2187	ALL	504972	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2188	ALL	505022	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2189	ALL	505072	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2190	ALL	505122	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
2191	ALL	505172	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
2192	ALL	505222	3634626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
2193	ALL	502222	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
2194	ALL	502272	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05
2195	ALL	502322	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05
2196	ALL	502372	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05
2197	ALL	502422	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05
2198	ALL	502472	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2199	ALL	502522	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2200	ALL	502572	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2201	ALL	502622	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2202	ALL	502672	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2203	ALL	504772	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
2204	ALL	504822	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
2205	ALL	504872	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
2206	ALL	504922	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2207	ALL	504972	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2208	ALL	505022	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2209	ALL	505072	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2210	ALL	505122	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05
2211	ALL	505172	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05
2212	ALL	505222	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05

2213	ALL	502222	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05
2214	ALL	502272	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
2215	ALL	502322	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05
2216	ALL	502372	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
2217	ALL	502422	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05
2218	ALL	502472	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2219	ALL	502522	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2220	ALL	502572	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2221	ALL	502622	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2222	ALL	502672	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2223	ALL	504772	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2224	ALL	504822	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
2225	ALL	504872	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2226	ALL	504922	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2227	ALL	504972	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2228	ALL	505022	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2229	ALL	505072	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
2230	ALL	505122	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05
2231	ALL	505172	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
2232	ALL	505222	3634726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
2233	ALL	502222	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
2234	ALL	502272	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05
2235	ALL	502322	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
2236	ALL	502372	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05
2237	ALL	502422	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05
2238	ALL	502472	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05
2239	ALL	502522	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2240	ALL	502572	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2241	ALL	502622	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2242	ALL	502672	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2243	ALL	504772	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2244	ALL	504822	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
2245	ALL	504872	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
2246	ALL	504922	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2247	ALL	504972	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2248	ALL	505022	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2249	ALL	505072	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
2250	ALL	505122	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
2251	ALL	505172	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05
2252	ALL	505222	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05
2253	ALL	502222	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
2254	ALL	502272	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
2255	ALL	502322	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05
2256	ALL	502372	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
2257	ALL	502422	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05
2258	ALL	502472	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05
2259	ALL	502522	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2260	ALL	502572	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2261	ALL	502622	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2262	ALL	502672	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2263	ALL	504772	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2264	ALL	504822	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2265	ALL	504872	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2266	ALL	504922	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04

2267	ALL	504972	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2268	ALL	505022	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05
2269	ALL	505072	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
2270	ALL	505122	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05
2271	ALL	505172	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
2272	ALL	505222	3634826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05
2273	ALL	502222	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05
2274	ALL	502272	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
2275	ALL	502322	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05
2276	ALL	502372	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05
2277	ALL	502422	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
2278	ALL	502472	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05
2279	ALL	502522	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2280	ALL	502572	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2281	ALL	502622	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2282	ALL	502672	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2283	ALL	504772	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
2284	ALL	504822	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2285	ALL	504872	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
2286	ALL	504922	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2287	ALL	504972	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05
2288	ALL	505022	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
2289	ALL	505072	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05
2290	ALL	505122	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
2291	ALL	505172	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05
2292	ALL	505222	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
2293	ALL	502222	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
2294	ALL	502272	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
2295	ALL	502322	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05
2296	ALL	502372	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05
2297	ALL	502422	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05
2298	ALL	502472	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05
2299	ALL	502522	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
2300	ALL	502572	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2301	ALL	502622	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2302	ALL	502672	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2303	ALL	504772	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2304	ALL	504822	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2305	ALL	504872	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2306	ALL	504922	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2307	ALL	504972	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
2308	ALL	505022	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
2309	ALL	505072	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
2310	ALL	505122	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05
2311	ALL	505172	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
2312	ALL	505222	3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05
2313	ALL	502222	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05
2314	ALL	502272	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05
2315	ALL	502322	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05
2316	ALL	502372	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
2317	ALL	502422	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
2318	ALL	502472	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05
2319	ALL	502522	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05
2320	ALL	502572	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04

2321	ALL	502622	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2322	ALL	502672	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2323	ALL	504822	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2324	ALL	504872	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2325	ALL	504922	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2326	ALL	504972	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05
2327	ALL	505022	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
2328	ALL	505072	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
2329	ALL	505122	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
2330	ALL	505172	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05
2331	ALL	505222	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
2332	ALL	502222	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05
2333	ALL	502272	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05
2334	ALL	502322	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05
2335	ALL	502372	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05
2336	ALL	502422	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
2337	ALL	502472	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05
2338	ALL	502522	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05
2339	ALL	502572	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2340	ALL	502622	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2341	ALL	502672	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2342	ALL	504872	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2343	ALL	504922	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2344	ALL	504972	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05
2345	ALL	505022	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05
2346	ALL	505072	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
2347	ALL	505122	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
2348	ALL	505172	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
2349	ALL	505222	3635026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05
2350	ALL	502222	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
2351	ALL	502272	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
2352	ALL	502322	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
2353	ALL	502372	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05
2354	ALL	502422	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05
2355	ALL	502472	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05
2356	ALL	502522	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05
2357	ALL	502572	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05
2358	ALL	502622	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2359	ALL	502672	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2360	ALL	504922	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2361	ALL	504972	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2362	ALL	505022	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05
2363	ALL	505072	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05
2364	ALL	505122	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
2365	ALL	505172	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05
2366	ALL	505222	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
2367	ALL	502222	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05
2368	ALL	502272	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05
2369	ALL	502322	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05
2370	ALL	502372	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05
2371	ALL	502422	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
2372	ALL	502472	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05
2373	ALL	502522	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
2374	ALL	502572	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05

2375	ALL	502622	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2376	ALL	502672	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2377	ALL	505022	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05
2378	ALL	505072	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05
2379	ALL	505122	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05
2380	ALL	505172	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05
2381	ALL	505222	3635126	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
2382	ALL	502222	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05
2383	ALL	502272	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05
2384	ALL	502322	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
2385	ALL	502372	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
2386	ALL	502422	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05
2387	ALL	502472	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05
2388	ALL	502522	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
2389	ALL	502572	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05
2390	ALL	502622	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
2391	ALL	502672	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2392	ALL	505122	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05
2393	ALL	505172	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
2394	ALL	505222	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
2395	ALL	502222	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
2396	ALL	502272	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05
2397	ALL	502322	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
2398	ALL	502372	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
2399	ALL	502422	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05
2400	ALL	502472	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
2401	ALL	502522	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05
2402	ALL	502572	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
2403	ALL	502622	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05
2404	ALL	502672	3635226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
2405	ALL	502222	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05
2406	ALL	502272	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
2407	ALL	502322	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
2408	ALL	502372	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
2409	ALL	502422	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05
2410	ALL	502472	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05
2411	ALL	502522	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
2412	ALL	502572	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05
2413	ALL	502622	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
2414	ALL	502672	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
2415	ALL	502222	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
2416	ALL	502272	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
2417	ALL	502322	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05
2418	ALL	502372	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05
2419	ALL	502422	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
2420	ALL	502472	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
2421	ALL	502522	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
2422	ALL	502572	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
2423	ALL	502622	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05
2424	ALL	502672	3635326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05
2425	ALL	502222	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
2426	ALL	502272	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05
2427	ALL	502322	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05
2428	ALL	502372	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05

2429	ALL	502422	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
2430	ALL	502472	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05
2431	ALL	502522	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05
2432	ALL	502572	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
2433	ALL	502622	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05
2434	ALL	502672	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
2435	ALL	502222	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
2436	ALL	502272	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
2437	ALL	502322	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
2438	ALL	502372	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
2439	ALL	502422	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
2440	ALL	502472	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
2441	ALL	502522	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05
2442	ALL	502572	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
2443	ALL	502622	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
2444	ALL	502672	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05
2445	ALL	504772	3635426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2446	ALL	502222	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05
2447	ALL	502272	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
2448	ALL	502322	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
2449	ALL	502372	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
2450	ALL	502422	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
2451	ALL	502472	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
2452	ALL	502522	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
2453	ALL	502572	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05
2454	ALL	502622	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
2455	ALL	502672	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
2456	ALL	504772	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2457	ALL	504822	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05
2458	ALL	504872	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
2459	ALL	504922	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
2460	ALL	502222	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
2461	ALL	502272	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05
2462	ALL	502322	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
2463	ALL	502372	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
2464	ALL	502422	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05
2465	ALL	502472	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05
2466	ALL	502522	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
2467	ALL	502572	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
2468	ALL	502622	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05
2469	ALL	502672	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05
2470	ALL	502722	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
2471	ALL	502772	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
2472	ALL	502822	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
2473	ALL	502872	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
2474	ALL	502922	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05
2475	ALL	502972	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05
2476	ALL	503022	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2477	ALL	503072	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2478	ALL	503122	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2479	ALL	503172	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2480	ALL	503222	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2481	ALL	503272	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2482	ALL	503322	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04

2483	ALL	503372	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2484	ALL	503422	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2485	ALL	503472	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2486	ALL	503522	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2487	ALL	503572	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2488	ALL	503622	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
2489	ALL	503672	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2490	ALL	503722	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
2491	ALL	503772	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2492	ALL	503822	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2493	ALL	503872	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2494	ALL	503922	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
2495	ALL	503972	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
2496	ALL	504022	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2497	ALL	504072	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2498	ALL	504122	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2499	ALL	504172	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2500	ALL	504222	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2501	ALL	504272	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2502	ALL	504322	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2503	ALL	504372	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2504	ALL	504422	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2505	ALL	504472	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2506	ALL	504522	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2507	ALL	504572	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2508	ALL	504622	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2509	ALL	504672	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2510	ALL	504722	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2511	ALL	504772	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
2512	ALL	504822	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05
2513	ALL	504872	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
2514	ALL	504922	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05
2515	ALL	504972	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05
2516	ALL	505022	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
2517	ALL	505072	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05
2518	ALL	505122	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
2519	ALL	505172	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05
2520	ALL	505222	3635526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05
2521	ALL	502222	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
2522	ALL	502272	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
2523	ALL	502322	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05
2524	ALL	502372	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
2525	ALL	502422	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05
2526	ALL	502472	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
2527	ALL	502522	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
2528	ALL	502572	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
2529	ALL	502622	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
2530	ALL	502672	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
2531	ALL	502722	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
2532	ALL	502772	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05
2533	ALL	502822	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05
2534	ALL	502872	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05
2535	ALL	502922	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05
2536	ALL	502972	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05

2537	ALL	503022	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05
2538	ALL	503072	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2539	ALL	503122	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2540	ALL	503172	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2541	ALL	503222	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2542	ALL	503272	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2543	ALL	503322	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2544	ALL	503372	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2545	ALL	503422	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2546	ALL	503472	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2547	ALL	503522	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2548	ALL	503572	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2549	ALL	503622	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2550	ALL	503672	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2551	ALL	503722	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2552	ALL	503772	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2553	ALL	503822	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2554	ALL	503872	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2555	ALL	503922	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2556	ALL	503972	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2557	ALL	504022	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2558	ALL	504072	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2559	ALL	504122	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2560	ALL	504172	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2561	ALL	504222	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2562	ALL	504272	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2563	ALL	504322	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2564	ALL	504372	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2565	ALL	504422	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2566	ALL	504472	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2567	ALL	504522	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2568	ALL	504572	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2569	ALL	504622	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2570	ALL	504672	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05
2571	ALL	504722	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05
2572	ALL	504772	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05
2573	ALL	504822	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05
2574	ALL	504872	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05
2575	ALL	504922	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05
2576	ALL	504972	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05
2577	ALL	505022	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05
2578	ALL	505072	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05
2579	ALL	505122	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05
2580	ALL	505172	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05
2581	ALL	505222	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
2582	ALL	502222	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
2583	ALL	502272	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
2584	ALL	502322	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
2585	ALL	502372	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
2586	ALL	502422	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
2587	ALL	502472	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05
2588	ALL	502522	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05
2589	ALL	502572	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05
2590	ALL	502622	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05

2591	ALL	502672	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05
2592	ALL	502722	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
2593	ALL	502772	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05
2594	ALL	502822	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
2595	ALL	502872	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
2596	ALL	502922	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05
2597	ALL	502972	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05
2598	ALL	503022	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05
2599	ALL	503072	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05
2600	ALL	503122	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05
2601	ALL	503172	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2602	ALL	503222	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2603	ALL	503272	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2604	ALL	503322	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2605	ALL	503372	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2606	ALL	503422	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2607	ALL	503472	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2608	ALL	503522	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2609	ALL	503572	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2610	ALL	503622	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2611	ALL	503672	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2612	ALL	503722	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2613	ALL	503772	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2614	ALL	503822	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2615	ALL	503872	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2616	ALL	503922	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2617	ALL	503972	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2618	ALL	504022	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2619	ALL	504072	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2620	ALL	504122	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2621	ALL	504172	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2622	ALL	504222	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2623	ALL	504272	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2624	ALL	504322	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2625	ALL	504372	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2626	ALL	504422	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2627	ALL	504472	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2628	ALL	504522	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2629	ALL	504572	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05
2630	ALL	504622	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05
2631	ALL	504672	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05
2632	ALL	504722	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
2633	ALL	504772	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
2634	ALL	504822	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
2635	ALL	504872	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05
2636	ALL	504922	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
2637	ALL	504972	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05
2638	ALL	505022	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05
2639	ALL	505072	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
2640	ALL	505122	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
2641	ALL	505172	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
2642	ALL	505222	3635626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
2643	ALL	502222	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
2644	ALL	502272	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05

2645	ALL	502322	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
2646	ALL	502372	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
2647	ALL	502422	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
2648	ALL	502472	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
2649	ALL	502522	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
2650	ALL	502572	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
2651	ALL	502622	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05
2652	ALL	502672	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
2653	ALL	502722	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05
2654	ALL	502772	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
2655	ALL	502822	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
2656	ALL	502872	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05
2657	ALL	502922	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05
2658	ALL	502972	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05
2659	ALL	503022	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05
2660	ALL	503072	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05
2661	ALL	503122	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05
2662	ALL	503172	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05
2663	ALL	503222	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2664	ALL	503272	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2665	ALL	503322	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2666	ALL	503372	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2667	ALL	503422	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2668	ALL	503472	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2669	ALL	503522	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2670	ALL	503572	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2671	ALL	503622	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2672	ALL	503672	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2673	ALL	503722	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2674	ALL	503772	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2675	ALL	503822	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2676	ALL	503872	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2677	ALL	503922	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2678	ALL	503972	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2679	ALL	504022	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2680	ALL	504072	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2681	ALL	504122	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2682	ALL	504172	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2683	ALL	504222	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2684	ALL	504272	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2685	ALL	504322	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2686	ALL	504372	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2687	ALL	504422	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2688	ALL	504472	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2689	ALL	504522	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05
2690	ALL	504572	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05
2691	ALL	504622	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
2692	ALL	504672	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05
2693	ALL	504722	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05
2694	ALL	504772	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05
2695	ALL	504822	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
2696	ALL	504872	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
2697	ALL	504922	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05
2698	ALL	504972	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05

2699	ALL	505022	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
2700	ALL	505072	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
2701	ALL	505122	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
2702	ALL	505172	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
2703	ALL	505222	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
2704	ALL	502222	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
2705	ALL	502272	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
2706	ALL	502322	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
2707	ALL	502372	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
2708	ALL	502422	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
2709	ALL	502472	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
2710	ALL	502522	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
2711	ALL	502572	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
2712	ALL	502622	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
2713	ALL	502672	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05
2714	ALL	502722	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05
2715	ALL	502772	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05
2716	ALL	502822	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05
2717	ALL	502872	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
2718	ALL	502922	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05
2719	ALL	502972	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05
2720	ALL	503022	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05
2721	ALL	503072	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05
2722	ALL	503122	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05
2723	ALL	503172	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05
2724	ALL	503222	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05
2725	ALL	503272	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05
2726	ALL	503322	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2727	ALL	503372	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2728	ALL	503422	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2729	ALL	503472	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2730	ALL	503522	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2731	ALL	503572	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2732	ALL	503622	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2733	ALL	503672	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2734	ALL	503722	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2735	ALL	503772	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2736	ALL	503822	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2737	ALL	503872	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2738	ALL	503922	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2739	ALL	503972	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2740	ALL	504022	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2741	ALL	504072	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2742	ALL	504122	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2743	ALL	504172	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2744	ALL	504222	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2745	ALL	504272	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2746	ALL	504322	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2747	ALL	504372	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2748	ALL	504422	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
2749	ALL	504472	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05
2750	ALL	504522	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05
2751	ALL	504572	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05
2752	ALL	504622	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05

2753	ALL	504672	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05
2754	ALL	504722	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
2755	ALL	504772	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
2756	ALL	504822	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05
2757	ALL	504872	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
2758	ALL	504922	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
2759	ALL	504972	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
2760	ALL	505022	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
2761	ALL	505072	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05
2762	ALL	505122	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05
2763	ALL	505172	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05
2764	ALL	505222	3635726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
2765	ALL	502222	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
2766	ALL	502272	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05
2767	ALL	502322	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
2768	ALL	502372	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
2769	ALL	502422	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
2770	ALL	502472	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
2771	ALL	502522	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
2772	ALL	502572	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
2773	ALL	502622	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05
2774	ALL	502672	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05
2775	ALL	502722	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
2776	ALL	502772	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
2777	ALL	502822	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
2778	ALL	502872	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
2779	ALL	502922	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05
2780	ALL	502972	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05
2781	ALL	503022	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05
2782	ALL	503072	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
2783	ALL	503122	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05
2784	ALL	503172	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05
2785	ALL	503222	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05
2786	ALL	503272	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
2787	ALL	503322	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
2788	ALL	503372	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05
2789	ALL	503422	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2790	ALL	503472	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2791	ALL	503522	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2792	ALL	503572	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2793	ALL	503622	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2794	ALL	503672	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2795	ALL	503722	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2796	ALL	503772	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2797	ALL	503822	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2798	ALL	503872	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2799	ALL	503922	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2800	ALL	503972	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2801	ALL	504022	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2802	ALL	504072	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2803	ALL	504122	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2804	ALL	504172	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2805	ALL	504222	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2806	ALL	504272	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04

2807	ALL	504322	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2808	ALL	504372	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05
2809	ALL	504422	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05
2810	ALL	504472	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05
2811	ALL	504522	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05
2812	ALL	504572	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
2813	ALL	504622	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05
2814	ALL	504672	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
2815	ALL	504722	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05
2816	ALL	504772	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05
2817	ALL	504822	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
2818	ALL	504872	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05
2819	ALL	504922	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05
2820	ALL	504972	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
2821	ALL	505022	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
2822	ALL	505072	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05
2823	ALL	505122	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05
2824	ALL	505172	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05
2825	ALL	505222	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
2826	ALL	502222	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
2827	ALL	502272	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
2828	ALL	502322	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
2829	ALL	502372	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05
2830	ALL	502422	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
2831	ALL	502472	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05
2832	ALL	502522	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
2833	ALL	502572	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
2834	ALL	502622	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
2835	ALL	502672	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
2836	ALL	502722	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05
2837	ALL	502772	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05
2838	ALL	502822	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05
2839	ALL	502872	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
2840	ALL	502922	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
2841	ALL	502972	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05
2842	ALL	503022	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05
2843	ALL	503072	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05
2844	ALL	503122	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
2845	ALL	503172	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05
2846	ALL	503222	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05
2847	ALL	503272	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05
2848	ALL	503322	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05
2849	ALL	503372	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05
2850	ALL	503422	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05
2851	ALL	503472	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05
2852	ALL	503522	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05
2853	ALL	503572	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05
2854	ALL	503622	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2855	ALL	503672	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2856	ALL	503722	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2857	ALL	503772	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2858	ALL	503822	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2859	ALL	503872	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2860	ALL	503922	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04

2861	ALL	503972	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2862	ALL	504022	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2863	ALL	504072	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2864	ALL	504122	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2865	ALL	504172	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2866	ALL	504222	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2867	ALL	504272	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2868	ALL	504322	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2869	ALL	504372	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05
2870	ALL	504422	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
2871	ALL	504472	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
2872	ALL	504522	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
2873	ALL	504572	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
2874	ALL	504622	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05
2875	ALL	504672	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05
2876	ALL	504722	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
2877	ALL	504772	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
2878	ALL	504822	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
2879	ALL	504872	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05
2880	ALL	504922	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
2881	ALL	504972	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05
2882	ALL	505022	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
2883	ALL	505072	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05
2884	ALL	505122	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
2885	ALL	505172	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
2886	ALL	505222	3635826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05
2887	ALL	502222	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
2888	ALL	502272	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05
2889	ALL	502322	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
2890	ALL	502372	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
2891	ALL	502422	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
2892	ALL	502472	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
2893	ALL	502522	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
2894	ALL	502572	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
2895	ALL	502622	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
2896	ALL	502672	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05
2897	ALL	502722	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05
2898	ALL	502772	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
2899	ALL	502822	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05
2900	ALL	502872	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
2901	ALL	502922	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
2902	ALL	502972	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
2903	ALL	503022	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
2904	ALL	503072	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
2905	ALL	503122	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05
2906	ALL	503172	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
2907	ALL	503222	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
2908	ALL	503272	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
2909	ALL	503322	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05
2910	ALL	503372	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05
2911	ALL	503422	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
2912	ALL	503472	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
2913	ALL	503522	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05
2914	ALL	503572	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05

2915	ALL	503622	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05
2916	ALL	503672	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
2917	ALL	503722	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05
2918	ALL	503772	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05
2919	ALL	503822	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05
2920	ALL	503872	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2921	ALL	503922	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2922	ALL	503972	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2923	ALL	504022	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2924	ALL	504072	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2925	ALL	504122	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2926	ALL	504172	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2927	ALL	504222	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2928	ALL	504272	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2929	ALL	504322	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
2930	ALL	504372	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05
2931	ALL	504422	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
2932	ALL	504472	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
2933	ALL	504522	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
2934	ALL	504572	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05
2935	ALL	504622	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05
2936	ALL	504672	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
2937	ALL	504722	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
2938	ALL	504772	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
2939	ALL	504822	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
2940	ALL	504872	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
2941	ALL	504922	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05
2942	ALL	504972	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
2943	ALL	505022	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05
2944	ALL	505072	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05
2945	ALL	505122	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05
2946	ALL	505172	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
2947	ALL	505222	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
2948	ALL	502222	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
2949	ALL	502272	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05
2950	ALL	502322	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
2951	ALL	502372	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05
2952	ALL	502422	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
2953	ALL	502472	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
2954	ALL	502522	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
2955	ALL	502572	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
2956	ALL	502622	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
2957	ALL	502672	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
2958	ALL	502722	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
2959	ALL	502772	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05
2960	ALL	502822	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
2961	ALL	502872	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
2962	ALL	502922	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
2963	ALL	502972	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
2964	ALL	503022	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
2965	ALL	503072	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
2966	ALL	503122	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
2967	ALL	503172	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
2968	ALL	503222	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05

2969	ALL	503272	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
2970	ALL	503322	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
2971	ALL	503372	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05
2972	ALL	503422	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05
2973	ALL	503472	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05
2974	ALL	503522	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
2975	ALL	503572	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05
2976	ALL	503622	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
2977	ALL	503672	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05
2978	ALL	503722	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
2979	ALL	503772	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
2980	ALL	503822	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05
2981	ALL	503872	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05
2982	ALL	503922	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05
2983	ALL	503972	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
2984	ALL	504022	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05
2985	ALL	504072	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05
2986	ALL	504122	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05
2987	ALL	504172	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05
2988	ALL	504222	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05
2989	ALL	504272	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05
2990	ALL	504322	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
2991	ALL	504372	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05
2992	ALL	504422	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05
2993	ALL	504472	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
2994	ALL	504522	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05
2995	ALL	504572	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
2996	ALL	504622	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
2997	ALL	504672	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
2998	ALL	504722	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
2999	ALL	504772	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05
3000	ALL	504822	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
3001	ALL	504872	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
3002	ALL	504922	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
3003	ALL	504972	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05
3004	ALL	505022	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05
3005	ALL	505072	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
3006	ALL	505122	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05
3007	ALL	505172	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
3008	ALL	505222	3635926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
3009	ALL	502222	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
3010	ALL	502272	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
3011	ALL	502322	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05
3012	ALL	502372	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
3013	ALL	502422	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
3014	ALL	502472	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
3015	ALL	502522	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
3016	ALL	502572	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
3017	ALL	502622	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
3018	ALL	502672	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
3019	ALL	502722	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
3020	ALL	502772	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
3021	ALL	502822	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
3022	ALL	502872	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05

3023	ALL	502922	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
3024	ALL	502972	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
3025	ALL	503022	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
3026	ALL	503072	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
3027	ALL	503122	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
3028	ALL	503172	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05
3029	ALL	503222	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
3030	ALL	503272	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
3031	ALL	503322	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
3032	ALL	503372	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05
3033	ALL	503422	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
3034	ALL	503472	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05
3035	ALL	503522	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05
3036	ALL	503572	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05
3037	ALL	503622	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
3038	ALL	503672	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
3039	ALL	503722	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05
3040	ALL	503772	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
3041	ALL	503822	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05
3042	ALL	503872	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
3043	ALL	503922	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05
3044	ALL	503972	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
3045	ALL	504022	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05
3046	ALL	504072	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05
3047	ALL	504122	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
3048	ALL	504172	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05
3049	ALL	504222	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05
3050	ALL	504272	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05
3051	ALL	504322	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
3052	ALL	504372	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05
3053	ALL	504422	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05
3054	ALL	504472	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
3055	ALL	504522	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05
3056	ALL	504572	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05
3057	ALL	504622	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
3058	ALL	504672	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
3059	ALL	504722	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05
3060	ALL	504772	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05
3061	ALL	504822	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05
3062	ALL	504872	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05
3063	ALL	504922	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
3064	ALL	504972	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
3065	ALL	505022	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
3066	ALL	505072	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05
3067	ALL	505122	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
3068	ALL	505172	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05
3069	ALL	505222	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
3070	ALL	501722	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
3071	ALL	501822	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
3072	ALL	501922	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
3073	ALL	502022	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05
3074	ALL	502122	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
3075	ALL	502222	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
3076	ALL	502322	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05

3077	ALL	502422	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
3078	ALL	502522	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
3079	ALL	502622	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
3080	ALL	502722	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
3081	ALL	502822	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
3082	ALL	502922	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
3083	ALL	503022	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05
3084	ALL	503122	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
3085	ALL	503222	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
3086	ALL	503322	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
3087	ALL	503422	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
3088	ALL	503722	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
3089	ALL	503822	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
3090	ALL	503922	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05
3091	ALL	504022	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05
3092	ALL	504122	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
3093	ALL	504222	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
3094	ALL	504322	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
3095	ALL	504422	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
3096	ALL	504522	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
3097	ALL	504622	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
3098	ALL	504722	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
3099	ALL	504822	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
3100	ALL	504922	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
3101	ALL	505022	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
3102	ALL	505122	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
3103	ALL	505222	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
3104	ALL	505322	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
3105	ALL	505422	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
3106	ALL	505522	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
3107	ALL	505622	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
3108	ALL	505722	3632476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05
3109	ALL	501722	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
3110	ALL	501822	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
3111	ALL	501922	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
3112	ALL	502022	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
3113	ALL	502122	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
3114	ALL	502222	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
3115	ALL	502322	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
3116	ALL	502422	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05
3117	ALL	502522	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
3118	ALL	502622	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
3119	ALL	502722	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
3120	ALL	502822	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
3121	ALL	502922	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
3122	ALL	503022	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
3123	ALL	503122	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
3124	ALL	503222	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05
3125	ALL	503322	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
3126	ALL	503422	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
3127	ALL	503722	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
3128	ALL	503822	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05
3129	ALL	503922	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
3130	ALL	504022	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05

3131	ALL	504122	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
3132	ALL	504222	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
3133	ALL	504322	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
3134	ALL	504422	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
3135	ALL	504522	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
3136	ALL	504622	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
3137	ALL	504722	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
3138	ALL	504822	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
3139	ALL	504922	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
3140	ALL	505022	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
3141	ALL	505122	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
3142	ALL	505222	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
3143	ALL	505322	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
3144	ALL	505422	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
3145	ALL	505522	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
3146	ALL	505622	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
3147	ALL	505722	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
3148	ALL	501722	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05
3149	ALL	501822	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05
3150	ALL	501922	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
3151	ALL	502022	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
3152	ALL	502122	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
3153	ALL	502222	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
3154	ALL	502322	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
3155	ALL	502422	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
3156	ALL	502522	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
3157	ALL	502622	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
3158	ALL	502722	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05
3159	ALL	502822	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
3160	ALL	502922	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
3161	ALL	503022	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05
3162	ALL	503722	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
3163	ALL	503822	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05
3164	ALL	503922	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
3165	ALL	504022	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
3166	ALL	504122	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
3167	ALL	504222	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
3168	ALL	504322	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
3169	ALL	504422	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
3170	ALL	504522	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
3171	ALL	504622	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
3172	ALL	504722	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
3173	ALL	504822	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05
3174	ALL	504922	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
3175	ALL	505022	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
3176	ALL	505122	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
3177	ALL	505222	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
3178	ALL	505322	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
3179	ALL	505422	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
3180	ALL	505522	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05
3181	ALL	505622	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
3182	ALL	505722	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
3183	ALL	502422	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
3184	ALL	502522	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05

3185	ALL	502622	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
3186	ALL	502722	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05
3187	ALL	502822	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
3188	ALL	502922	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
3189	ALL	503022	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
3190	ALL	503122	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
3191	ALL	503222	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
3192	ALL	503622	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
3193	ALL	503722	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05
3194	ALL	503822	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
3195	ALL	503922	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
3196	ALL	504022	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
3197	ALL	504122	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
3198	ALL	504222	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
3199	ALL	504322	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
3200	ALL	504422	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
3201	ALL	504522	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
3202	ALL	504622	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
3203	ALL	504722	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
3204	ALL	504822	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
3205	ALL	504922	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
3206	ALL	505022	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
3207	ALL	505122	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
3208	ALL	505222	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
3209	ALL	505322	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
3210	ALL	505422	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
3211	ALL	505522	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
3212	ALL	505622	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05
3213	ALL	505722	3632776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
3214	ALL	501722	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
3215	ALL	501822	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
3216	ALL	501922	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
3217	ALL	502022	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
3218	ALL	502122	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
3219	ALL	502222	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
3220	ALL	502322	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
3221	ALL	502422	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
3222	ALL	502522	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
3223	ALL	502622	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
3224	ALL	502722	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05
3225	ALL	502822	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
3226	ALL	502922	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
3227	ALL	503022	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05
3228	ALL	503122	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
3229	ALL	503222	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
3230	ALL	503322	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
3231	ALL	503422	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
3232	ALL	503622	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
3233	ALL	503722	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
3234	ALL	503822	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
3235	ALL	503922	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
3236	ALL	504022	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
3237	ALL	504122	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
3238	ALL	504222	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05

3239	ALL	504322	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
3240	ALL	504422	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
3241	ALL	504522	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
3242	ALL	504622	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
3243	ALL	504722	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
3244	ALL	504822	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
3245	ALL	504922	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05
3246	ALL	505022	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
3247	ALL	505122	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
3248	ALL	505222	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
3249	ALL	505322	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
3250	ALL	505422	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05
3251	ALL	505522	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05
3252	ALL	505622	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
3253	ALL	505722	3632876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
3254	ALL	501722	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
3255	ALL	501822	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05
3256	ALL	501922	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
3257	ALL	502022	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
3258	ALL	502122	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
3259	ALL	505322	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
3260	ALL	505422	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
3261	ALL	505522	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
3262	ALL	505622	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
3263	ALL	505722	3632976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
3264	ALL	501722	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
3265	ALL	501822	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
3266	ALL	501922	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
3267	ALL	502022	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05
3268	ALL	502122	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05
3269	ALL	505322	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
3270	ALL	505422	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
3271	ALL	505522	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
3272	ALL	505622	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
3273	ALL	505722	3633076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
3274	ALL	501722	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
3275	ALL	501822	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05
3276	ALL	501922	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
3277	ALL	502022	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
3278	ALL	502122	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
3279	ALL	505322	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
3280	ALL	505422	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
3281	ALL	505522	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
3282	ALL	505622	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05
3283	ALL	505722	3633176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
3284	ALL	501722	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
3285	ALL	501822	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05
3286	ALL	501922	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
3287	ALL	502022	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
3288	ALL	502122	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
3289	ALL	505322	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
3290	ALL	505422	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
3291	ALL	505522	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
3292	ALL	505622	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05

3293	ALL	505722	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
3294	ALL	501722	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
3295	ALL	501822	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05
3296	ALL	501922	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
3297	ALL	502022	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05
3298	ALL	502122	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
3299	ALL	505322	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
3300	ALL	505422	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
3301	ALL	505522	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05
3302	ALL	505622	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05
3303	ALL	505722	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
3304	ALL	501722	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
3305	ALL	501822	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
3306	ALL	501922	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
3307	ALL	502022	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
3308	ALL	502122	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
3309	ALL	505322	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
3310	ALL	505422	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
3311	ALL	505522	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
3312	ALL	505622	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
3313	ALL	505722	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
3314	ALL	501722	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
3315	ALL	501822	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05
3316	ALL	501922	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
3317	ALL	502022	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
3318	ALL	502122	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
3319	ALL	505322	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
3320	ALL	505422	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05
3321	ALL	505522	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
3322	ALL	505622	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
3323	ALL	505722	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05
3324	ALL	501722	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
3325	ALL	501822	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05
3326	ALL	501922	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
3327	ALL	502022	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
3328	ALL	502122	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
3329	ALL	505322	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
3330	ALL	505422	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
3331	ALL	505522	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
3332	ALL	505622	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
3333	ALL	505722	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
3334	ALL	501722	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05
3335	ALL	501822	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
3336	ALL	501922	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05
3337	ALL	502022	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05
3338	ALL	502122	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
3339	ALL	505322	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
3340	ALL	505422	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05
3341	ALL	505522	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
3342	ALL	505622	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
3343	ALL	505722	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
3344	ALL	501722	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05
3345	ALL	501822	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
3346	ALL	501922	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05

3347	ALL	502022	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
3348	ALL	502122	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05
3349	ALL	505322	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05
3350	ALL	505422	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
3351	ALL	505522	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
3352	ALL	505622	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
3353	ALL	505722	3633876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
3354	ALL	501722	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05
3355	ALL	501822	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
3356	ALL	501922	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
3357	ALL	502022	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05
3358	ALL	502122	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05
3359	ALL	505322	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05
3360	ALL	505422	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05
3361	ALL	505522	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05
3362	ALL	505622	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
3363	ALL	505722	3633976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
3364	ALL	501722	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
3365	ALL	501822	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
3366	ALL	501922	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
3367	ALL	502022	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
3368	ALL	502122	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
3369	ALL	505322	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
3370	ALL	505422	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
3371	ALL	505522	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
3372	ALL	505622	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05
3373	ALL	505722	3634076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
3374	ALL	501722	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05
3375	ALL	501822	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05
3376	ALL	501922	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
3377	ALL	502022	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
3378	ALL	502122	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
3379	ALL	505322	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05
3380	ALL	505422	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05
3381	ALL	505522	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
3382	ALL	505622	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05
3383	ALL	505722	3634176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
3384	ALL	501722	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05
3385	ALL	501822	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
3386	ALL	501922	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
3387	ALL	502022	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05
3388	ALL	502122	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05
3389	ALL	505322	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05
3390	ALL	505422	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05
3391	ALL	505522	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
3392	ALL	505622	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05
3393	ALL	505722	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
3394	ALL	501722	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
3395	ALL	501822	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
3396	ALL	501922	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
3397	ALL	502022	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
3398	ALL	502122	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
3399	ALL	505322	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
3400	ALL	505422	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05

3401	ALL	505522	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
3402	ALL	505622	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
3403	ALL	505722	3634376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
3404	ALL	501722	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
3405	ALL	501822	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
3406	ALL	501922	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
3407	ALL	502022	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
3408	ALL	502122	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
3409	ALL	505322	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
3410	ALL	505422	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
3411	ALL	505522	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
3412	ALL	505622	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05
3413	ALL	505722	3634476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
3414	ALL	501722	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05
3415	ALL	501822	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
3416	ALL	501922	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
3417	ALL	502022	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
3418	ALL	502122	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
3419	ALL	505322	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05
3420	ALL	505422	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
3421	ALL	505522	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
3422	ALL	505622	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
3423	ALL	505722	3634576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
3424	ALL	501722	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
3425	ALL	501822	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
3426	ALL	501922	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
3427	ALL	502022	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
3428	ALL	502122	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
3429	ALL	505322	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
3430	ALL	505422	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
3431	ALL	505522	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
3432	ALL	505622	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
3433	ALL	505722	3634676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
3434	ALL	501722	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
3435	ALL	501822	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
3436	ALL	501922	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
3437	ALL	502022	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
3438	ALL	502122	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
3439	ALL	505322	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
3440	ALL	505422	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05
3441	ALL	505522	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
3442	ALL	505622	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05
3443	ALL	505722	3634776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05
3444	ALL	501722	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
3445	ALL	501822	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
3446	ALL	501922	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05
3447	ALL	502022	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
3448	ALL	502122	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05
3449	ALL	505322	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
3450	ALL	505422	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05
3451	ALL	505522	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05
3452	ALL	505622	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05
3453	ALL	505722	3634876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
3454	ALL	501722	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05

3455	ALL	501822	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
3456	ALL	501922	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
3457	ALL	502022	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05
3458	ALL	502122	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05
3459	ALL	505322	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
3460	ALL	505422	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
3461	ALL	505522	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
3462	ALL	505622	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05
3463	ALL	505722	3634976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05
3464	ALL	501722	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
3465	ALL	501822	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
3466	ALL	501922	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
3467	ALL	502022	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
3468	ALL	502122	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05
3469	ALL	505322	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05
3470	ALL	505422	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
3471	ALL	505522	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
3472	ALL	505622	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05
3473	ALL	505722	3635076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05
3474	ALL	501722	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
3475	ALL	501822	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
3476	ALL	501922	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
3477	ALL	502022	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
3478	ALL	502122	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
3479	ALL	505322	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
3480	ALL	505422	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05
3481	ALL	505522	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
3482	ALL	505622	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
3483	ALL	505722	3635176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
3484	ALL	501722	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
3485	ALL	501822	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
3486	ALL	501922	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
3487	ALL	502022	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
3488	ALL	502122	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
3489	ALL	505622	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
3490	ALL	505722	3635276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
3491	ALL	501722	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05
3492	ALL	501822	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
3493	ALL	501922	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
3494	ALL	502022	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
3495	ALL	502122	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
3496	ALL	505622	3635376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
3497	ALL	501722	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
3498	ALL	501822	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05
3499	ALL	501922	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
3500	ALL	502022	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
3501	ALL	502122	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05
3502	ALL	505622	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
3503	ALL	505722	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
3504	ALL	501722	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
3505	ALL	501822	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
3506	ALL	501922	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
3507	ALL	502022	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
3508	ALL	502122	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05

3509	ALL	505322	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05
3510	ALL	505422	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
3511	ALL	505522	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05
3512	ALL	505622	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
3513	ALL	505722	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
3514	ALL	501722	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
3515	ALL	501822	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
3516	ALL	501922	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
3517	ALL	502022	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05
3518	ALL	502122	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05
3519	ALL	505322	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
3520	ALL	505422	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
3521	ALL	505522	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
3522	ALL	505622	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05
3523	ALL	505722	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
3524	ALL	501722	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
3525	ALL	501822	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
3526	ALL	501922	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
3527	ALL	502022	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
3528	ALL	502122	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
3529	ALL	505322	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
3530	ALL	505422	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
3531	ALL	505522	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
3532	ALL	505622	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05
3533	ALL	505722	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
3534	ALL	501722	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
3535	ALL	501822	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
3536	ALL	501922	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
3537	ALL	502022	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
3538	ALL	502122	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05
3539	ALL	505322	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
3540	ALL	505422	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
3541	ALL	505522	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05
3542	ALL	505622	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
3543	ALL	505722	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
3544	ALL	501722	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
3545	ALL	501822	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
3546	ALL	501922	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
3547	ALL	502022	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
3548	ALL	502122	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
3549	ALL	505322	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05
3550	ALL	505422	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05
3551	ALL	505522	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05
3552	ALL	505622	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
3553	ALL	505722	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
3554	ALL	501722	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
3555	ALL	501822	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05
3556	ALL	501922	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05
3557	ALL	502022	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05
3558	ALL	502122	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
3559	ALL	502222	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
3560	ALL	502322	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05
3561	ALL	502422	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
3562	ALL	502522	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05

3563	ALL	502622	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
3564	ALL	502722	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
3565	ALL	502822	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
3566	ALL	502922	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
3567	ALL	503022	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05
3568	ALL	503122	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
3569	ALL	503222	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
3570	ALL	503322	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05
3571	ALL	503422	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
3572	ALL	503522	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
3573	ALL	503622	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05
3574	ALL	503722	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
3575	ALL	503822	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
3576	ALL	503922	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
3577	ALL	504022	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05
3578	ALL	504122	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05
3579	ALL	504222	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
3580	ALL	504322	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05
3581	ALL	504422	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05
3582	ALL	504522	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05
3583	ALL	504622	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
3584	ALL	504722	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
3585	ALL	504822	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05
3586	ALL	504922	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
3587	ALL	505022	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
3588	ALL	505122	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
3589	ALL	505222	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05
3590	ALL	505322	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
3591	ALL	505422	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
3592	ALL	505522	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
3593	ALL	505622	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05
3594	ALL	505722	3636076	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
3595	ALL	501722	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
3596	ALL	501822	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
3597	ALL	501922	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
3598	ALL	502022	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
3599	ALL	502122	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
3600	ALL	502222	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
3601	ALL	502322	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
3602	ALL	502422	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
3603	ALL	502522	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05
3604	ALL	502622	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05
3605	ALL	502722	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05
3606	ALL	502822	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
3607	ALL	502922	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05
3608	ALL	503022	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
3609	ALL	503122	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
3610	ALL	503222	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
3611	ALL	503322	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
3612	ALL	503422	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
3613	ALL	503522	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
3614	ALL	503622	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
3615	ALL	503722	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
3616	ALL	503822	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05

3617	ALL	503922	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05
3618	ALL	504022	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
3619	ALL	504122	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05
3620	ALL	504222	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
3621	ALL	504322	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
3622	ALL	504422	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
3623	ALL	504522	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
3624	ALL	504622	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
3625	ALL	504722	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
3626	ALL	504822	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05
3627	ALL	504922	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
3628	ALL	505022	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
3629	ALL	505122	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
3630	ALL	505222	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05
3631	ALL	505322	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
3632	ALL	505422	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
3633	ALL	505522	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
3634	ALL	505622	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05
3635	ALL	505722	3636176	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
3636	ALL	501722	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
3637	ALL	501822	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
3638	ALL	501922	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
3639	ALL	502022	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
3640	ALL	502122	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
3641	ALL	502222	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
3642	ALL	502322	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
3643	ALL	502422	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
3644	ALL	502522	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
3645	ALL	502622	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05
3646	ALL	502722	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
3647	ALL	502822	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
3648	ALL	502922	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
3649	ALL	503022	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
3650	ALL	503122	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
3651	ALL	503222	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
3652	ALL	503322	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05
3653	ALL	503422	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
3654	ALL	503522	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
3655	ALL	503622	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
3656	ALL	503722	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
3657	ALL	503822	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
3658	ALL	503922	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05
3659	ALL	504022	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05
3660	ALL	504122	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
3661	ALL	504222	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05
3662	ALL	504322	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
3663	ALL	504422	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
3664	ALL	504522	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
3665	ALL	504622	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05
3666	ALL	504722	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
3667	ALL	504822	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05
3668	ALL	504922	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
3669	ALL	505022	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
3670	ALL	505122	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05

3671	ALL	505222	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05
3672	ALL	505322	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05
3673	ALL	505422	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
3674	ALL	505522	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
3675	ALL	505622	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
3676	ALL	505722	3636276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
3677	ALL	501722	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
3678	ALL	501822	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
3679	ALL	501922	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05
3680	ALL	502022	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
3681	ALL	502122	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
3682	ALL	502222	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
3683	ALL	502322	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
3684	ALL	502422	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
3685	ALL	502522	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05
3686	ALL	502622	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
3687	ALL	502722	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
3688	ALL	502822	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
3689	ALL	502922	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05
3690	ALL	503022	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
3691	ALL	503122	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05
3692	ALL	503222	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05
3693	ALL	503322	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
3694	ALL	503422	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
3695	ALL	503522	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
3696	ALL	503622	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
3697	ALL	503722	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05
3698	ALL	503822	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
3699	ALL	503922	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
3700	ALL	504022	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
3701	ALL	504122	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
3702	ALL	504222	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
3703	ALL	504322	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
3704	ALL	504422	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
3705	ALL	504522	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
3706	ALL	504622	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
3707	ALL	504722	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
3708	ALL	504822	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
3709	ALL	504922	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
3710	ALL	505022	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05
3711	ALL	505122	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
3712	ALL	505222	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
3713	ALL	505322	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
3714	ALL	505422	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
3715	ALL	505522	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
3716	ALL	505622	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
3717	ALL	505722	3636376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
3718	ALL	501722	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
3719	ALL	501822	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
3720	ALL	501922	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
3721	ALL	502022	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
3722	ALL	502122	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
3723	ALL	502222	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
3724	ALL	502322	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05

3725	ALL	502422	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
3726	ALL	502522	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05
3727	ALL	502622	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
3728	ALL	502722	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
3729	ALL	502822	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
3730	ALL	502922	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
3731	ALL	503022	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
3732	ALL	503122	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
3733	ALL	503222	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
3734	ALL	503322	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
3735	ALL	503422	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05
3736	ALL	503522	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
3737	ALL	503622	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05
3738	ALL	503722	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
3739	ALL	503822	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
3740	ALL	503922	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
3741	ALL	504022	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
3742	ALL	504122	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
3743	ALL	504222	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
3744	ALL	504322	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
3745	ALL	504422	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
3746	ALL	504522	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
3747	ALL	504622	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
3748	ALL	504722	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
3749	ALL	504822	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
3750	ALL	504922	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
3751	ALL	505022	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
3752	ALL	505122	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
3753	ALL	505222	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
3754	ALL	505322	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
3755	ALL	505422	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
3756	ALL	505522	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
3757	ALL	505622	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
3758	ALL	505722	3636476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05

1.24E-03

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 2/10/2025
** File: C:\Users\dlarocca\Desktop\Lakes Files\SanteeOpRev1\SanteeOpRev1.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\dlarocca\Desktop\Air Quality Work\Lakes\SanteeOp\SanteeOp.i
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 3276208 County_of_San_Diego
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL SanteeOpRev1.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = IDLEN
** DESCRSRC Truck Loading idle nort
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 8.00
** SZINIT = 3.72
** Nodes = 2
** 503741.620, 3634529.941, 108.03, 4.00, 4.00
** 503830.795, 3634529.941, 108.34, 4.00, 4.00
** ------------------------------------------------------------------
```

```
   LOCATION L0000001     VOLUME   503745.920 3634529.941 108.14
   LOCATION L0000002     VOLUME   503754.520 3634529.941 108.05
   LOCATION L0000003     VOLUME   503763.120 3634529.941 108.05
   LOCATION L0000004     VOLUME   503771.720 3634529.941 108.07
   LOCATION L0000005     VOLUME   503780.320 3634529.941 108.08
   LOCATION L0000006     VOLUME   503788.920 3634529.941 108.11
   LOCATION L0000007     VOLUME   503797.520 3634529.941 108.14
   LOCATION L0000008     VOLUME   503806.120 3634529.941 108.16
   LOCATION L0000009     VOLUME   503814.720 3634529.941 108.24
   LOCATION L0000010     VOLUME   503823.320 3634529.941 108.32
** End of LINE VOLUME Source ID = IDLEN
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = IDLES
** DESCRSRC Truck Idle south laoding bays
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 8.00
** SZINIT = 3.72
** Nodes = 2
** 503745.851, 3634401.061, 108.92, 4.00, 4.00
** 503829.493, 3634401.386, 109.42, 4.00, 4.00
** ------------------------------------------------------------------
   LOCATION L0000310     VOLUME   503750.151 3634401.078 109.04
   LOCATION L0000311     VOLUME   503758.750 3634401.111 109.07
   LOCATION L0000312     VOLUME   503767.350 3634401.145 109.06
   LOCATION L0000313     VOLUME   503775.950 3634401.178 109.04
   LOCATION L0000314     VOLUME   503784.550 3634401.211 109.06
   LOCATION L0000315     VOLUME   503793.150 3634401.245 109.15
   LOCATION L0000316     VOLUME   503801.750 3634401.278 109.23
   LOCATION L0000317     VOLUME   503810.350 3634401.312 109.30
   LOCATION L0000318     VOLUME   503818.950 3634401.345 109.34
   LOCATION L0000319     VOLUME   503827.550 3634401.379 109.38
** End of LINE VOLUME Source ID = IDLES
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = FORKN
** DESCRSRC Forklift operation north loadting bays
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 503742.921, 3634542.634, 108.15, 3.40, 4.00
** 503821.682, 3634542.634, 107.75, 3.40, 4.00
** ------------------------------------------------------------------
```

```
   LOCATION L0000910     VOLUME   503747.221 3634542.634 108.34
   LOCATION L0000911     VOLUME   503755.821 3634542.634 108.22
   LOCATION L0000912     VOLUME   503764.421 3634542.634 108.14
   LOCATION L0000913     VOLUME   503773.021 3634542.634 108.07
   LOCATION L0000914     VOLUME   503781.621 3634542.634 108.00
   LOCATION L0000915     VOLUME   503790.221 3634542.634 108.04
   LOCATION L0000916     VOLUME   503798.821 3634542.634 108.08
   LOCATION L0000917     VOLUME   503807.421 3634542.634 108.13
   LOCATION L0000918     VOLUME   503816.021 3634542.634 108.19
** End of LINE VOLUME Source ID = FORKN
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = FORKS
** DESCRSRC Forklift operation south loading bays
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 503748.780, 3634389.019, 109.06, 3.40, 4.00
** 503827.540, 3634389.344, 109.43, 3.40, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000919     VOLUME   503753.080 3634389.037 109.09
   LOCATION L0000920     VOLUME   503761.680 3634389.072 109.11
   LOCATION L0000921     VOLUME   503770.279 3634389.108 109.10
   LOCATION L0000922     VOLUME   503778.879 3634389.143 109.10
   LOCATION L0000923     VOLUME   503787.479 3634389.179 109.14
   LOCATION L0000924     VOLUME   503796.079 3634389.214 109.21
   LOCATION L0000925     VOLUME   503804.679 3634389.250 109.27
   LOCATION L0000926     VOLUME   503813.279 3634389.286 109.32
   LOCATION L0000927     VOLUME   503821.879 3634389.321 109.37
** End of LINE VOLUME Source ID = FORKS
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = TRUCKS
** DESCRSRC All trucks south
** PREFIX
** Length of Side = 13.40
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 8
** 503939.902, 3634226.948, 111.37, 3.40, 6.23
** 503795.320, 3634082.366, 112.56, 3.40, 6.23
** 503676.688, 3633874.761, 115.44, 3.40, 6.23
** 503580.300, 3633596.719, 124.29, 3.40, 6.23
** 503546.935, 3633403.943, 130.58, 3.40, 6.23
```

```
** 503550.643, 3633159.265, 136.46, 3.40, 6.23
** 503546.935, 3633025.805, 136.37, 3.40, 6.23
** 503550.643, 3632888.637, 135.05, 3.40, 6.23
** ------------------------------------------------------------------
   LOCATION L0000595     VOLUME   503935.164 3634222.211 111.59
   LOCATION L0000596     VOLUME   503925.689 3634212.735 111.61
   LOCATION L0000597     VOLUME   503916.214 3634203.260 111.55
   LOCATION L0000598     VOLUME   503906.739 3634193.785 111.80
   LOCATION L0000599     VOLUME   503897.263 3634184.310 111.79
   LOCATION L0000600     VOLUME   503887.788 3634174.835 111.71
   LOCATION L0000601     VOLUME   503878.313 3634165.359 111.93
   LOCATION L0000602     VOLUME   503868.838 3634155.884 111.88
   LOCATION L0000603     VOLUME   503859.362 3634146.409 111.68
   LOCATION L0000604     VOLUME   503849.887 3634136.934 112.01
   LOCATION L0000605     VOLUME   503840.412 3634127.458 112.45
   LOCATION L0000606     VOLUME   503830.937 3634117.983 112.67
   LOCATION L0000607     VOLUME   503821.462 3634108.508 112.46
   LOCATION L0000608     VOLUME   503811.986 3634099.033 112.80
   LOCATION L0000609     VOLUME   503802.511 3634089.557 113.06
   LOCATION L0000610     VOLUME   503793.717 3634079.562 112.63
   LOCATION L0000611     VOLUME   503787.069 3634067.927 112.99
   LOCATION L0000612     VOLUME   503780.421 3634056.293 113.55
   LOCATION L0000613     VOLUME   503773.773 3634044.658 113.07
   LOCATION L0000614     VOLUME   503767.124 3634033.024 113.18
   LOCATION L0000615     VOLUME   503760.476 3634021.389 113.43
   LOCATION L0000616     VOLUME   503753.828 3634009.755 113.22
   LOCATION L0000617     VOLUME   503747.179 3633998.121 113.10
   LOCATION L0000618     VOLUME   503740.531 3633986.486 113.27
   LOCATION L0000619     VOLUME   503733.883 3633974.852 113.48
   LOCATION L0000620     VOLUME   503727.235 3633963.217 113.58
   LOCATION L0000621     VOLUME   503720.586 3633951.583 113.62
   LOCATION L0000622     VOLUME   503713.938 3633939.948 113.96
   LOCATION L0000623     VOLUME   503707.290 3633928.314 114.26
   LOCATION L0000624     VOLUME   503700.642 3633916.679 114.22
   LOCATION L0000625     VOLUME   503693.993 3633905.045 114.62
   LOCATION L0000626     VOLUME   503687.345 3633893.410 115.09
   LOCATION L0000627     VOLUME   503680.697 3633881.776 115.38
   LOCATION L0000628     VOLUME   503674.946 3633869.734 115.63
   LOCATION L0000629     VOLUME   503670.557 3633857.073 116.17
   LOCATION L0000630     VOLUME   503666.167 3633844.412 116.77
   LOCATION L0000631     VOLUME   503661.778 3633831.752 116.99
   LOCATION L0000632     VOLUME   503657.389 3633819.091 117.05
   LOCATION L0000633     VOLUME   503653.000 3633806.430 117.28
   LOCATION L0000634     VOLUME   503648.611 3633793.769 117.95
   LOCATION L0000635     VOLUME   503644.222 3633781.108 118.60
   LOCATION L0000636     VOLUME   503639.833 3633768.448 118.85
   LOCATION L0000637     VOLUME   503635.444 3633755.787 119.08
   LOCATION L0000638     VOLUME   503631.055 3633743.126 118.48
   LOCATION L0000639     VOLUME   503626.666 3633730.465 117.46
   LOCATION L0000640     VOLUME   503622.277 3633717.804 117.38
```

LOCATION L0000641 VOLUME 503617.888 3633705.143 119.23
LOCATION L0000642 VOLUME 503613.499 3633692.483 120.61
LOCATION L0000643 VOLUME 503609.109 3633679.822 121.04
LOCATION L0000644 VOLUME 503604.720 3633667.161 121.60
LOCATION L0000645 VOLUME 503600.331 3633654.500 122.58
LOCATION L0000646 VOLUME 503595.942 3633641.839 123.03
LOCATION L0000647 VOLUME 503591.553 3633629.179 123.47
LOCATION L0000648 VOLUME 503587.164 3633616.518 123.59
LOCATION L0000649 VOLUME 503582.775 3633603.857 123.80
LOCATION L0000650 VOLUME 503579.304 3633590.959 124.22
LOCATION L0000651 VOLUME 503577.018 3633577.756 124.82
LOCATION L0000652 VOLUME 503574.733 3633564.552 125.46
LOCATION L0000653 VOLUME 503572.448 3633551.348 125.91
LOCATION L0000654 VOLUME 503570.163 3633538.145 126.34
LOCATION L0000655 VOLUME 503567.877 3633524.941 126.75
LOCATION L0000656 VOLUME 503565.592 3633511.737 127.16
LOCATION L0000657 VOLUME 503563.307 3633498.534 127.57
LOCATION L0000658 VOLUME 503561.022 3633485.330 127.96
LOCATION L0000659 VOLUME 503558.736 3633472.126 128.36
LOCATION L0000660 VOLUME 503556.451 3633458.922 128.83
LOCATION L0000661 VOLUME 503554.166 3633445.719 129.26
LOCATION L0000662 VOLUME 503551.881 3633432.515 129.74
LOCATION L0000663 VOLUME 503549.595 3633419.311 130.04
LOCATION L0000664 VOLUME 503547.310 3633406.108 130.45
LOCATION L0000665 VOLUME 503547.105 3633392.741 130.92
LOCATION L0000666 VOLUME 503547.308 3633379.343 131.35
LOCATION L0000667 VOLUME 503547.511 3633365.944 131.76
LOCATION L0000668 VOLUME 503547.714 3633352.546 132.17
LOCATION L0000669 VOLUME 503547.917 3633339.147 132.56
LOCATION L0000670 VOLUME 503548.120 3633325.749 132.95
LOCATION L0000671 VOLUME 503548.323 3633312.350 133.36
LOCATION L0000672 VOLUME 503548.526 3633298.952 133.80
LOCATION L0000673 VOLUME 503548.729 3633285.553 134.24
LOCATION L0000674 VOLUME 503548.932 3633272.155 134.59
LOCATION L0000675 VOLUME 503549.135 3633258.757 134.95
LOCATION L0000676 VOLUME 503549.338 3633245.358 135.25
LOCATION L0000677 VOLUME 503549.541 3633231.960 135.55
LOCATION L0000678 VOLUME 503549.744 3633218.561 135.79
LOCATION L0000679 VOLUME 503549.947 3633205.163 136.00
LOCATION L0000680 VOLUME 503550.150 3633191.764 136.17
LOCATION L0000681 VOLUME 503550.353 3633178.366 136.31
LOCATION L0000682 VOLUME 503550.556 3633164.967 136.45
LOCATION L0000683 VOLUME 503550.429 3633151.571 136.60
LOCATION L0000684 VOLUME 503550.057 3633138.176 136.75
LOCATION L0000685 VOLUME 503549.685 3633124.781 136.82
LOCATION L0000686 VOLUME 503549.313 3633111.386 136.85
LOCATION L0000687 VOLUME 503548.940 3633097.992 136.88
LOCATION L0000688 VOLUME 503548.568 3633084.597 136.92
LOCATION L0000689 VOLUME 503548.196 3633071.202 136.91
LOCATION L0000690 VOLUME 503547.824 3633057.807 136.84

```
   LOCATION L0000691     VOLUME   503547.452 3633044.412 136.76
   LOCATION L0000692     VOLUME   503547.080 3633031.017 136.66
   LOCATION L0000693     VOLUME   503547.156 3633017.622 136.64
   LOCATION L0000694     VOLUME   503547.518 3633004.227 136.62
   LOCATION L0000695     VOLUME   503547.880 3632990.832 136.56
   LOCATION L0000696     VOLUME   503548.243 3632977.437 136.50
   LOCATION L0000697     VOLUME   503548.605 3632964.042 136.39
   LOCATION L0000698     VOLUME   503548.967 3632950.647 136.19
   LOCATION L0000699     VOLUME   503549.329 3632937.252 135.97
   LOCATION L0000700     VOLUME   503549.691 3632923.857 135.74
   LOCATION L0000701     VOLUME   503550.053 3632910.462 135.49
   LOCATION L0000702     VOLUME   503550.415 3632897.066 135.22
** End of LINE VOLUME Source ID = TRUCKS
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = TRUCKW
** DESCRSRC Trucks west
** PREFIX
** Length of Side = 13.40
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 7
** 503524.692, 3632870.101, 129.56, 3.40, 6.23
** 503450.547, 3632777.420, 126.08, 3.40, 6.23
** 503324.501, 3632729.226, 129.00, 3.40, 6.23
** 503161.383, 3632718.105, 134.94, 3.40, 6.23
** 502905.584, 3632721.812, 123.75, 3.40, 6.23
** 502586.762, 3632747.763, 118.82, 3.40, 6.23
** 501563.566, 3632762.591, 117.03, 3.40, 6.23
** ----------------------------------------------------------------------
   LOCATION L0000760     VOLUME   503520.506 3632864.869 128.93
   LOCATION L0000761     VOLUME   503512.136 3632854.406 128.48
   LOCATION L0000762     VOLUME   503503.765 3632843.942 128.30
   LOCATION L0000763     VOLUME   503495.394 3632833.478 128.16
   LOCATION L0000764     VOLUME   503487.023 3632823.015 128.07
   LOCATION L0000765     VOLUME   503478.652 3632812.551 127.80
   LOCATION L0000766     VOLUME   503470.281 3632802.088 127.26
   LOCATION L0000767     VOLUME   503461.910 3632791.624 126.27
   LOCATION L0000768     VOLUME   503453.539 3632781.160 126.02
   LOCATION L0000769     VOLUME   503442.504 3632774.345 125.77
   LOCATION L0000770     VOLUME   503429.988 3632769.560 125.70
   LOCATION L0000771     VOLUME   503417.472 3632764.774 125.69
   LOCATION L0000772     VOLUME   503404.956 3632759.988 125.34
   LOCATION L0000773     VOLUME   503392.439 3632755.203 124.92
   LOCATION L0000774     VOLUME   503379.923 3632750.417 124.21
   LOCATION L0000775     VOLUME   503367.407 3632745.631 123.65
   LOCATION L0000776     VOLUME   503354.890 3632740.846 124.06
   LOCATION L0000777     VOLUME   503342.374 3632736.060 124.68
```

LOCATION L0000778 VOLUME 503329.858 3632731.274 127.10
LOCATION L0000779 VOLUME 503316.854 3632728.705 129.69
LOCATION L0000780 VOLUME 503303.485 3632727.793 132.31
LOCATION L0000781 VOLUME 503290.116 3632726.882 134.89
LOCATION L0000782 VOLUME 503276.747 3632725.970 134.93
LOCATION L0000783 VOLUME 503263.378 3632725.059 134.69
LOCATION L0000784 VOLUME 503250.009 3632724.147 134.32
LOCATION L0000785 VOLUME 503236.640 3632723.236 133.95
LOCATION L0000786 VOLUME 503223.271 3632722.324 133.81
LOCATION L0000787 VOLUME 503209.902 3632721.413 133.73
LOCATION L0000788 VOLUME 503196.533 3632720.501 134.02
LOCATION L0000789 VOLUME 503183.164 3632719.590 134.34
LOCATION L0000790 VOLUME 503169.795 3632718.678 134.39
LOCATION L0000791 VOLUME 503156.415 3632718.177 134.32
LOCATION L0000792 VOLUME 503143.017 3632718.371 133.78
LOCATION L0000793 VOLUME 503129.618 3632718.565 133.25
LOCATION L0000794 VOLUME 503116.219 3632718.759 132.71
LOCATION L0000795 VOLUME 503102.821 3632718.953 132.19
LOCATION L0000796 VOLUME 503089.422 3632719.148 131.70
LOCATION L0000797 VOLUME 503076.024 3632719.342 131.18
LOCATION L0000798 VOLUME 503062.625 3632719.536 130.59
LOCATION L0000799 VOLUME 503049.226 3632719.730 130.01
LOCATION L0000800 VOLUME 503035.828 3632719.924 129.45
LOCATION L0000801 VOLUME 503022.429 3632720.118 128.92
LOCATION L0000802 VOLUME 503009.031 3632720.313 128.42
LOCATION L0000803 VOLUME 502995.632 3632720.507 127.93
LOCATION L0000804 VOLUME 502982.234 3632720.701 127.45
LOCATION L0000805 VOLUME 502968.835 3632720.895 127.03
LOCATION L0000806 VOLUME 502955.436 3632721.089 126.65
LOCATION L0000807 VOLUME 502942.038 3632721.284 126.08
LOCATION L0000808 VOLUME 502928.639 3632721.478 125.43
LOCATION L0000809 VOLUME 502915.241 3632721.672 124.71
LOCATION L0000810 VOLUME 502901.854 3632722.116 124.02
LOCATION L0000811 VOLUME 502888.498 3632723.203 123.68
LOCATION L0000812 VOLUME 502875.142 3632724.290 123.47
LOCATION L0000813 VOLUME 502861.786 3632725.377 123.15
LOCATION L0000814 VOLUME 502848.431 3632726.464 122.84
LOCATION L0000815 VOLUME 502835.075 3632727.551 122.58
LOCATION L0000816 VOLUME 502821.719 3632728.638 122.38
LOCATION L0000817 VOLUME 502808.363 3632729.725 122.25
LOCATION L0000818 VOLUME 502795.007 3632730.812 122.17
LOCATION L0000819 VOLUME 502781.651 3632731.899 122.21
LOCATION L0000820 VOLUME 502768.296 3632732.987 122.25
LOCATION L0000821 VOLUME 502754.940 3632734.074 122.24
LOCATION L0000822 VOLUME 502741.584 3632735.161 121.62
LOCATION L0000823 VOLUME 502728.228 3632736.248 121.07
LOCATION L0000824 VOLUME 502714.872 3632737.335 120.53
LOCATION L0000825 VOLUME 502701.516 3632738.422 120.02
LOCATION L0000826 VOLUME 502688.161 3632739.509 119.53
LOCATION L0000827 VOLUME 502674.805 3632740.596 119.08

LOCATION L0000828 VOLUME 502661.449 3632741.683 118.76
LOCATION L0000829 VOLUME 502648.093 3632742.770 118.82
LOCATION L0000830 VOLUME 502634.737 3632743.858 118.94
LOCATION L0000831 VOLUME 502621.381 3632744.945 118.97
LOCATION L0000832 VOLUME 502608.026 3632746.032 119.08
LOCATION L0000833 VOLUME 502594.670 3632747.119 119.26
LOCATION L0000834 VOLUME 502581.297 3632747.842 119.25
LOCATION L0000835 VOLUME 502567.898 3632748.036 118.84
LOCATION L0000836 VOLUME 502554.499 3632748.230 118.55
LOCATION L0000837 VOLUME 502541.101 3632748.424 118.40
LOCATION L0000838 VOLUME 502527.702 3632748.618 118.18
LOCATION L0000839 VOLUME 502514.304 3632748.813 117.90
LOCATION L0000840 VOLUME 502500.905 3632749.007 115.63
LOCATION L0000841 VOLUME 502487.506 3632749.201 111.98
LOCATION L0000842 VOLUME 502474.108 3632749.395 110.23
LOCATION L0000843 VOLUME 502460.709 3632749.589 109.51
LOCATION L0000844 VOLUME 502447.311 3632749.784 111.66
LOCATION L0000845 VOLUME 502433.912 3632749.978 115.00
LOCATION L0000846 VOLUME 502420.513 3632750.172 115.62
LOCATION L0000847 VOLUME 502407.115 3632750.366 115.41
LOCATION L0000848 VOLUME 502393.716 3632750.560 115.11
LOCATION L0000849 VOLUME 502380.318 3632750.754 114.79
LOCATION L0000850 VOLUME 502366.919 3632750.949 114.49
LOCATION L0000851 VOLUME 502353.520 3632751.143 114.19
LOCATION L0000852 VOLUME 502340.122 3632751.337 113.97
LOCATION L0000853 VOLUME 502326.723 3632751.531 113.75
LOCATION L0000854 VOLUME 502313.325 3632751.725 113.52
LOCATION L0000855 VOLUME 502299.926 3632751.920 113.28
LOCATION L0000856 VOLUME 502286.527 3632752.114 113.01
LOCATION L0000857 VOLUME 502273.129 3632752.308 112.73
LOCATION L0000858 VOLUME 502259.730 3632752.502 112.46
LOCATION L0000859 VOLUME 502246.332 3632752.696 112.20
LOCATION L0000860 VOLUME 502232.933 3632752.890 111.98
LOCATION L0000861 VOLUME 502219.535 3632753.085 111.78
LOCATION L0000862 VOLUME 502206.136 3632753.279 111.63
LOCATION L0000863 VOLUME 502192.737 3632753.473 111.48
LOCATION L0000864 VOLUME 502179.339 3632753.667 111.36
LOCATION L0000865 VOLUME 502165.940 3632753.861 111.26
LOCATION L0000866 VOLUME 502152.542 3632754.056 111.21
LOCATION L0000867 VOLUME 502139.143 3632754.250 111.18
LOCATION L0000868 VOLUME 502125.744 3632754.444 111.18
LOCATION L0000869 VOLUME 502112.346 3632754.638 111.20
LOCATION L0000870 VOLUME 502098.947 3632754.832 111.25
LOCATION L0000871 VOLUME 502085.549 3632755.026 111.32
LOCATION L0000872 VOLUME 502072.150 3632755.221 111.42
LOCATION L0000873 VOLUME 502058.751 3632755.415 111.54
LOCATION L0000874 VOLUME 502045.353 3632755.609 111.69
LOCATION L0000875 VOLUME 502031.954 3632755.803 111.85
LOCATION L0000876 VOLUME 502018.556 3632755.997 112.01
LOCATION L0000877 VOLUME 502005.157 3632756.192 111.71

```
   LOCATION L0000878     VOLUME   501991.758 3632756.386 111.25
   LOCATION L0000879     VOLUME   501978.360 3632756.580 111.20
   LOCATION L0000880     VOLUME   501964.961 3632756.774 111.27
   LOCATION L0000881     VOLUME   501951.563 3632756.968 111.40
   LOCATION L0000882     VOLUME   501938.164 3632757.162 111.55
   LOCATION L0000883     VOLUME   501924.765 3632757.357 111.73
   LOCATION L0000884     VOLUME   501911.367 3632757.551 111.91
   LOCATION L0000885     VOLUME   501897.968 3632757.745 112.05
   LOCATION L0000886     VOLUME   501884.570 3632757.939 112.19
   LOCATION L0000887     VOLUME   501871.171 3632758.133 112.40
   LOCATION L0000888     VOLUME   501857.772 3632758.328 112.61
   LOCATION L0000889     VOLUME   501844.374 3632758.522 112.75
   LOCATION L0000890     VOLUME   501830.975 3632758.716 112.89
   LOCATION L0000891     VOLUME   501817.577 3632758.910 113.00
   LOCATION L0000892     VOLUME   501804.178 3632759.104 113.12
   LOCATION L0000893     VOLUME   501790.780 3632759.298 113.30
   LOCATION L0000894     VOLUME   501777.381 3632759.493 113.49
   LOCATION L0000895     VOLUME   501763.982 3632759.687 113.70
   LOCATION L0000896     VOLUME   501750.584 3632759.881 113.90
   LOCATION L0000897     VOLUME   501737.185 3632760.075 114.11
   LOCATION L0000898     VOLUME   501723.787 3632760.269 114.34
   LOCATION L0000899     VOLUME   501710.388 3632760.464 114.62
   LOCATION L0000900     VOLUME   501696.989 3632760.658 114.98
   LOCATION L0000901     VOLUME   501683.591 3632760.852 115.43
   LOCATION L0000902     VOLUME   501670.192 3632761.046 115.73
   LOCATION L0000903     VOLUME   501656.794 3632761.240 115.90
   LOCATION L0000904     VOLUME   501643.395 3632761.435 116.05
   LOCATION L0000905     VOLUME   501629.996 3632761.629 116.20
   LOCATION L0000906     VOLUME   501616.598 3632761.823 116.37
   LOCATION L0000907     VOLUME   501603.199 3632762.017 116.55
   LOCATION L0000908     VOLUME   501589.801 3632762.211 116.74
   LOCATION L0000909     VOLUME   501576.402 3632762.405 116.92
** End of LINE VOLUME Source ID = TRUCKW
   LOCATION FIRE         POINT      503852.920  3634394.250      109.600
** DESCRSRC Fire pump engine
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = ENTER
** DESCRSRC All trucks enter and exit site
** PREFIX
** Length of Side = 13.40
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 3
** 503907.740, 3634377.785, 109.16, 3.40, 6.23
** 503938.980, 3634370.409, 109.26, 3.40, 6.23
** 503943.318, 3634266.279, 109.59, 3.40, 6.23
** ----------------------------------------------------------------------
```

```
   LOCATION L0000928     VOLUME   503914.261 3634376.245 109.17
   LOCATION L0000929     VOLUME   503927.303 3634373.166 109.21
   LOCATION L0000930     VOLUME   503939.038 3634369.008 109.26
   LOCATION L0000931     VOLUME   503939.596 3634355.620 109.31
   LOCATION L0000932     VOLUME   503940.154 3634342.231 109.35
   LOCATION L0000933     VOLUME   503940.711 3634328.843 109.40
   LOCATION L0000934     VOLUME   503941.269 3634315.455 109.45
   LOCATION L0000935     VOLUME   503941.827 3634302.066 109.49
   LOCATION L0000936     VOLUME   503942.385 3634288.678 109.47
   LOCATION L0000937     VOLUME   503942.943 3634275.290 109.46
** End of LINE VOLUME Source ID = ENTER
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = ONSITE
** DESCRSRC Truck travel around the warehouse
** PREFIX
** Length of Side = 13.40
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 5
** 503888.369, 3634377.504, 109.32, 3.40, 6.23
** 503679.087, 3634376.994, 108.95, 3.40, 6.23
** 503681.129, 3634554.628, 108.43, 3.40, 6.23
** 503906.745, 3634555.139, 108.67, 3.40, 6.23
** 503908.277, 3634398.432, 109.22, 3.40, 6.23
** ----------------------------------------------------------------
   LOCATION L0000938     VOLUME   503881.670 3634377.488 109.31
   LOCATION L0000939     VOLUME   503868.270 3634377.455 109.41
   LOCATION L0000940     VOLUME   503854.870 3634377.422 109.46
   LOCATION L0000941     VOLUME   503841.470 3634377.390 109.43
   LOCATION L0000942     VOLUME   503828.070 3634377.357 109.38
   LOCATION L0000943     VOLUME   503814.670 3634377.324 109.29
   LOCATION L0000944     VOLUME   503801.270 3634377.292 109.24
   LOCATION L0000945     VOLUME   503787.870 3634377.259 109.21
   LOCATION L0000946     VOLUME   503774.470 3634377.226 109.18
   LOCATION L0000947     VOLUME   503761.070 3634377.194 109.14
   LOCATION L0000948     VOLUME   503747.670 3634377.161 109.10
   LOCATION L0000949     VOLUME   503734.270 3634377.128 109.07
   LOCATION L0000950     VOLUME   503720.870 3634377.096 109.04
   LOCATION L0000951     VOLUME   503707.470 3634377.063 109.02
   LOCATION L0000952     VOLUME   503694.070 3634377.030 109.00
   LOCATION L0000953     VOLUME   503680.670 3634376.998 108.97
   LOCATION L0000954     VOLUME   503679.223 3634388.810 108.99
   LOCATION L0000955     VOLUME   503679.377 3634402.209 108.95
   LOCATION L0000956     VOLUME   503679.531 3634415.608 108.82
   LOCATION L0000957     VOLUME   503679.685 3634429.008 108.70
   LOCATION L0000958     VOLUME   503679.839 3634442.407 108.58
   LOCATION L0000959     VOLUME   503679.993 3634455.806 108.47
```

```
   LOCATION L0000960     VOLUME   503680.147 3634469.205 108.53
   LOCATION L0000961     VOLUME   503680.301 3634482.604 108.62
   LOCATION L0000962     VOLUME   503680.455 3634496.003 108.67
   LOCATION L0000963     VOLUME   503680.609 3634509.402 108.66
   LOCATION L0000964     VOLUME   503680.763 3634522.801 108.65
   LOCATION L0000965     VOLUME   503680.917 3634536.201 108.68
   LOCATION L0000966     VOLUME   503681.071 3634549.600 108.71
   LOCATION L0000967     VOLUME   503689.500 3634554.647 108.25
   LOCATION L0000968     VOLUME   503702.900 3634554.677 108.44
   LOCATION L0000969     VOLUME   503716.300 3634554.708 108.33
   LOCATION L0000970     VOLUME   503729.700 3634554.738 108.20
   LOCATION L0000971     VOLUME   503743.100 3634554.768 107.93
   LOCATION L0000972     VOLUME   503756.500 3634554.799 107.66
   LOCATION L0000973     VOLUME   503769.900 3634554.829 107.57
   LOCATION L0000974     VOLUME   503783.300 3634554.859 107.48
   LOCATION L0000975     VOLUME   503796.700 3634554.890 107.53
   LOCATION L0000976     VOLUME   503810.100 3634554.920 107.59
   LOCATION L0000977     VOLUME   503823.500 3634554.950 107.65
   LOCATION L0000978     VOLUME   503836.900 3634554.981 107.75
   LOCATION L0000979     VOLUME   503850.300 3634555.011 108.04
   LOCATION L0000980     VOLUME   503863.700 3634555.041 108.26
   LOCATION L0000981     VOLUME   503877.100 3634555.071 108.33
   LOCATION L0000982     VOLUME   503890.500 3634555.102 108.35
   LOCATION L0000983     VOLUME   503903.900 3634555.132 108.29
   LOCATION L0000984     VOLUME   503906.849 3634544.585 109.03
   LOCATION L0000985     VOLUME   503906.980 3634531.185 109.31
   LOCATION L0000986     VOLUME   503907.110 3634517.786 109.53
   LOCATION L0000987     VOLUME   503907.241 3634504.387 109.49
   LOCATION L0000988     VOLUME   503907.372 3634490.987 109.46
   LOCATION L0000989     VOLUME   503907.503 3634477.588 109.41
   LOCATION L0000990     VOLUME   503907.634 3634464.189 109.36
   LOCATION L0000991     VOLUME   503907.765 3634450.789 109.33
   LOCATION L0000992     VOLUME   503907.896 3634437.390 109.32
   LOCATION L0000993     VOLUME   503908.027 3634423.990 109.29
   LOCATION L0000994     VOLUME   503908.158 3634410.591 109.25
** End of LINE VOLUME Source ID = ONSITE
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = TRUCKN
** DESCRSRC 10% Trucks North
** PREFIX
** Length of Side = 13.40
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 9
** 503960.098, 3634237.053, 111.68, 3.40, 6.23
** 504538.014, 3634781.578, 112.17, 3.40, 6.23
** 504787.160, 3635071.820, 119.29, 3.40, 6.23
```

```
** 504951.545, 3635210.519, 114.34, 3.40, 6.23
** 505085.107, 3635254.184, 121.79, 3.40, 6.23
** 505663.023, 3635333.808, 116.21, 3.40, 6.23
** 505873.641, 3635398.021, 117.37, 3.40, 6.23
** 505886.484, 3635398.021, 117.55, 3.40, 6.23
** 505878.778, 3635403.158, 117.39, 3.40, 6.23
** ------------------------------------------------------------------
   LOCATION L0000995     VOLUME   503964.975 3634241.647 111.77
   LOCATION L0000996     VOLUME   503974.727 3634250.837 111.41
   LOCATION L0000997     VOLUME   503984.480 3634260.026 111.07
   LOCATION L0000998     VOLUME   503994.233 3634269.215 110.97
   LOCATION L0000999     VOLUME   504003.986 3634278.404 111.25
   LOCATION L0001000     VOLUME   504013.739 3634287.594 111.30
   LOCATION L0001001     VOLUME   504023.491 3634296.783 111.20
   LOCATION L0001002     VOLUME   504033.244 3634305.972 111.47
   LOCATION L0001003     VOLUME   504042.997 3634315.162 111.52
   LOCATION L0001004     VOLUME   504052.750 3634324.351 111.32
   LOCATION L0001005     VOLUME   504062.503 3634333.540 111.58
   LOCATION L0001006     VOLUME   504072.255 3634342.730 111.50
   LOCATION L0001007     VOLUME   504082.008 3634351.919 111.21
   LOCATION L0001008     VOLUME   504091.761 3634361.108 111.25
   LOCATION L0001009     VOLUME   504101.514 3634370.297 111.25
   LOCATION L0001010     VOLUME   504111.266 3634379.487 111.08
   LOCATION L0001011     VOLUME   504121.019 3634388.676 110.99
   LOCATION L0001012     VOLUME   504130.772 3634397.865 111.14
   LOCATION L0001013     VOLUME   504140.525 3634407.055 111.32
   LOCATION L0001014     VOLUME   504150.278 3634416.244 111.26
   LOCATION L0001015     VOLUME   504160.030 3634425.433 111.33
   LOCATION L0001016     VOLUME   504169.783 3634434.622 111.47
   LOCATION L0001017     VOLUME   504179.536 3634443.812 111.27
   LOCATION L0001018     VOLUME   504189.289 3634453.001 111.28
   LOCATION L0001019     VOLUME   504199.042 3634462.190 111.38
   LOCATION L0001020     VOLUME   504208.794 3634471.380 111.09
   LOCATION L0001021     VOLUME   504218.547 3634480.569 111.09
   LOCATION L0001022     VOLUME   504228.300 3634489.758 111.24
   LOCATION L0001023     VOLUME   504238.053 3634498.948 111.12
   LOCATION L0001024     VOLUME   504247.806 3634508.137 111.15
   LOCATION L0001025     VOLUME   504257.558 3634517.326 111.21
   LOCATION L0001026     VOLUME   504267.311 3634526.515 111.31
   LOCATION L0001027     VOLUME   504277.064 3634535.705 111.30
   LOCATION L0001028     VOLUME   504286.817 3634544.894 111.26
   LOCATION L0001029     VOLUME   504296.569 3634554.083 111.32
   LOCATION L0001030     VOLUME   504306.322 3634563.273 111.26
   LOCATION L0001031     VOLUME   504316.075 3634572.462 111.21
   LOCATION L0001032     VOLUME   504325.828 3634581.651 111.29
   LOCATION L0001033     VOLUME   504335.581 3634590.840 111.22
   LOCATION L0001034     VOLUME   504345.333 3634600.030 111.22
   LOCATION L0001035     VOLUME   504355.086 3634609.219 111.35
   LOCATION L0001036     VOLUME   504364.839 3634618.408 111.41
   LOCATION L0001037     VOLUME   504374.592 3634627.598 111.45
```

```
LOCATION L0001038     VOLUME   504384.345 3634636.787 111.55
LOCATION L0001039     VOLUME   504394.097 3634645.976 111.61
LOCATION L0001040     VOLUME   504403.850 3634655.166 111.66
LOCATION L0001041     VOLUME   504413.603 3634664.355 111.75
LOCATION L0001042     VOLUME   504423.356 3634673.544 111.81
LOCATION L0001043     VOLUME   504433.108 3634682.733 111.84
LOCATION L0001044     VOLUME   504442.861 3634691.923 111.87
LOCATION L0001045     VOLUME   504452.614 3634701.112 111.95
LOCATION L0001046     VOLUME   504462.367 3634710.301 111.97
LOCATION L0001047     VOLUME   504472.120 3634719.491 111.99
LOCATION L0001048     VOLUME   504481.872 3634728.680 112.09
LOCATION L0001049     VOLUME   504491.625 3634737.869 112.09
LOCATION L0001050     VOLUME   504501.378 3634747.058 112.08
LOCATION L0001051     VOLUME   504511.131 3634756.248 112.18
LOCATION L0001052     VOLUME   504520.884 3634765.437 112.19
LOCATION L0001053     VOLUME   504530.636 3634774.626 112.18
LOCATION L0001054     VOLUME   504540.140 3634784.054 112.21
LOCATION L0001055     VOLUME   504548.868 3634794.222 112.21
LOCATION L0001056     VOLUME   504557.596 3634804.389 112.22
LOCATION L0001057     VOLUME   504566.324 3634814.557 112.29
LOCATION L0001058     VOLUME   504575.052 3634824.725 112.34
LOCATION L0001059     VOLUME   504583.780 3634834.892 112.37
LOCATION L0001060     VOLUME   504592.508 3634845.060 112.40
LOCATION L0001061     VOLUME   504601.236 3634855.228 112.43
LOCATION L0001062     VOLUME   504609.964 3634865.395 112.50
LOCATION L0001063     VOLUME   504618.692 3634875.563 112.61
LOCATION L0001064     VOLUME   504627.420 3634885.731 112.75
LOCATION L0001065     VOLUME   504636.148 3634895.898 112.92
LOCATION L0001066     VOLUME   504644.876 3634906.066 113.17
LOCATION L0001067     VOLUME   504653.604 3634916.234 113.45
LOCATION L0001068     VOLUME   504662.332 3634926.402 113.73
LOCATION L0001069     VOLUME   504671.060 3634936.569 114.08
LOCATION L0001070     VOLUME   504679.788 3634946.737 114.43
LOCATION L0001071     VOLUME   504688.516 3634956.905 114.76
LOCATION L0001072     VOLUME   504697.244 3634967.072 115.23
LOCATION L0001073     VOLUME   504705.972 3634977.240 115.65
LOCATION L0001074     VOLUME   504714.700 3634987.408 115.98
LOCATION L0001075     VOLUME   504723.428 3634997.575 116.50
LOCATION L0001076     VOLUME   504732.156 3635007.743 116.93
LOCATION L0001077     VOLUME   504740.884 3635017.911 117.35
LOCATION L0001078     VOLUME   504749.612 3635028.078 117.91
LOCATION L0001079     VOLUME   504758.340 3635038.246 118.28
LOCATION L0001080     VOLUME   504767.068 3635048.414 118.64
LOCATION L0001081     VOLUME   504775.796 3635058.581 119.21
LOCATION L0001082     VOLUME   504784.524 3635068.749 119.49
LOCATION L0001083     VOLUME   504794.308 3635077.851 119.56
LOCATION L0001084     VOLUME   504804.550 3635086.493 120.02
LOCATION L0001085     VOLUME   504814.791 3635095.134 120.14
LOCATION L0001086     VOLUME   504825.033 3635103.775 120.08
LOCATION L0001087     VOLUME   504835.274 3635112.416 120.63
```

LOCATION L0001088 VOLUME 504845.516 3635121.058 120.94
LOCATION L0001089 VOLUME 504855.757 3635129.699 121.13
LOCATION L0001090 VOLUME 504865.999 3635138.340 121.48
LOCATION L0001091 VOLUME 504876.240 3635146.981 121.86
LOCATION L0001092 VOLUME 504886.482 3635155.623 121.87
LOCATION L0001093 VOLUME 504896.723 3635164.264 121.76
LOCATION L0001094 VOLUME 504906.965 3635172.905 122.04
LOCATION L0001095 VOLUME 504917.206 3635181.547 122.49
LOCATION L0001096 VOLUME 504927.448 3635190.188 122.35
LOCATION L0001097 VOLUME 504937.689 3635198.829 119.09
LOCATION L0001098 VOLUME 504947.931 3635207.470 115.06
LOCATION L0001099 VOLUME 504959.787 3635213.214 116.36
LOCATION L0001100 VOLUME 504972.524 3635217.378 120.46
LOCATION L0001101 VOLUME 504985.260 3635221.542 122.43
LOCATION L0001102 VOLUME 504997.997 3635225.706 122.45
LOCATION L0001103 VOLUME 505010.734 3635229.870 122.23
LOCATION L0001104 VOLUME 505023.470 3635234.034 122.13
LOCATION L0001105 VOLUME 505036.207 3635238.197 122.24
LOCATION L0001106 VOLUME 505048.944 3635242.361 122.19
LOCATION L0001107 VOLUME 505061.680 3635246.525 122.04
LOCATION L0001108 VOLUME 505074.417 3635250.689 121.76
LOCATION L0001109 VOLUME 505087.240 3635254.478 121.39
LOCATION L0001110 VOLUME 505100.515 3635256.307 120.83
LOCATION L0001111 VOLUME 505113.789 3635258.136 120.45
LOCATION L0001112 VOLUME 505127.064 3635259.965 120.22
LOCATION L0001113 VOLUME 505140.338 3635261.794 120.00
LOCATION L0001114 VOLUME 505153.613 3635263.623 119.84
LOCATION L0001115 VOLUME 505166.888 3635265.452 119.62
LOCATION L0001116 VOLUME 505180.162 3635267.281 119.30
LOCATION L0001117 VOLUME 505193.437 3635269.110 118.92
LOCATION L0001118 VOLUME 505206.711 3635270.938 118.49
LOCATION L0001119 VOLUME 505219.986 3635272.767 118.04
LOCATION L0001120 VOLUME 505233.261 3635274.596 117.60
LOCATION L0001121 VOLUME 505246.535 3635276.425 117.22
LOCATION L0001122 VOLUME 505259.810 3635278.254 116.88
LOCATION L0001123 VOLUME 505273.084 3635280.083 116.55
LOCATION L0001124 VOLUME 505286.359 3635281.912 116.24
LOCATION L0001125 VOLUME 505299.634 3635283.741 115.97
LOCATION L0001126 VOLUME 505312.908 3635285.570 115.70
LOCATION L0001127 VOLUME 505326.183 3635287.399 115.52
LOCATION L0001128 VOLUME 505339.457 3635289.228 115.36
LOCATION L0001129 VOLUME 505352.732 3635291.057 115.31
LOCATION L0001130 VOLUME 505366.007 3635292.886 115.21
LOCATION L0001131 VOLUME 505379.281 3635294.715 115.24
LOCATION L0001132 VOLUME 505392.556 3635296.544 115.31
LOCATION L0001133 VOLUME 505405.830 3635298.373 115.42
LOCATION L0001134 VOLUME 505419.105 3635300.202 115.55
LOCATION L0001135 VOLUME 505432.380 3635302.031 115.68
LOCATION L0001136 VOLUME 505445.654 3635303.859 115.81
LOCATION L0001137 VOLUME 505458.929 3635305.688 115.84

```
   LOCATION L0001138     VOLUME   505472.203 3635307.517 115.88
   LOCATION L0001139     VOLUME   505485.478 3635309.346 115.93
   LOCATION L0001140     VOLUME   505498.753 3635311.175 116.00
   LOCATION L0001141     VOLUME   505512.027 3635313.004 116.10
   LOCATION L0001142     VOLUME   505525.302 3635314.833 116.19
   LOCATION L0001143     VOLUME   505538.576 3635316.662 116.17
   LOCATION L0001144     VOLUME   505551.851 3635318.491 116.14
   LOCATION L0001145     VOLUME   505565.126 3635320.320 116.08
   LOCATION L0001146     VOLUME   505578.400 3635322.149 116.02
   LOCATION L0001147     VOLUME   505591.675 3635323.978 115.84
   LOCATION L0001148     VOLUME   505604.949 3635325.807 115.75
   LOCATION L0001149     VOLUME   505618.224 3635327.636 115.88
   LOCATION L0001150     VOLUME   505631.499 3635329.465 116.07
   LOCATION L0001151     VOLUME   505644.773 3635331.294 116.31
   LOCATION L0001152     VOLUME   505658.048 3635333.123 116.55
   LOCATION L0001153     VOLUME   505671.037 3635336.251 116.72
   LOCATION L0001154     VOLUME   505683.854 3635340.159 116.83
   LOCATION L0001155     VOLUME   505696.672 3635344.067 116.86
   LOCATION L0001156     VOLUME   505709.489 3635347.975 116.80
   LOCATION L0001157     VOLUME   505722.307 3635351.882 116.64
   LOCATION L0001158     VOLUME   505735.124 3635355.790 116.39
   LOCATION L0001159     VOLUME   505747.942 3635359.698 116.23
   LOCATION L0001160     VOLUME   505760.759 3635363.606 116.27
   LOCATION L0001161     VOLUME   505773.577 3635367.514 116.70
   LOCATION L0001162     VOLUME   505786.394 3635371.421 117.09
   LOCATION L0001163     VOLUME   505799.212 3635375.329 117.20
   LOCATION L0001164     VOLUME   505812.029 3635379.237 117.24
   LOCATION L0001165     VOLUME   505824.847 3635383.145 117.07
   LOCATION L0001166     VOLUME   505837.665 3635387.052 116.84
   LOCATION L0001167     VOLUME   505850.482 3635390.960 116.94
   LOCATION L0001168     VOLUME   505863.300 3635394.868 117.17
   LOCATION L0001169     VOLUME   505876.230 3635398.021 117.40
   LOCATION L0001170     VOLUME   505883.866 3635399.766 117.55
** End of LINE VOLUME Source ID = TRUCKN
** Source Parameters **
** LINE VOLUME Source ID = IDLEN
   SRCPARAM L0000001          0.1      4.00      4.00      3.72
   SRCPARAM L0000002          0.1      4.00      4.00      3.72
   SRCPARAM L0000003          0.1      4.00      4.00      3.72
   SRCPARAM L0000004          0.1      4.00      4.00      3.72
   SRCPARAM L0000005          0.1      4.00      4.00      3.72
   SRCPARAM L0000006          0.1      4.00      4.00      3.72
   SRCPARAM L0000007          0.1      4.00      4.00      3.72
   SRCPARAM L0000008          0.1      4.00      4.00      3.72
   SRCPARAM L0000009          0.1      4.00      4.00      3.72
   SRCPARAM L0000010          0.1      4.00      4.00      3.72
** ------------------------------------------------------------------
** LINE VOLUME Source ID = IDLES
   SRCPARAM L0000310          0.1      4.00      4.00      3.72
   SRCPARAM L0000311          0.1      4.00      4.00      3.72
```

```
   SRCPARAM L0000312          0.1      4.00      4.00      3.72
   SRCPARAM L0000313          0.1      4.00      4.00      3.72
   SRCPARAM L0000314          0.1      4.00      4.00      3.72
   SRCPARAM L0000315          0.1      4.00      4.00      3.72
   SRCPARAM L0000316          0.1      4.00      4.00      3.72
   SRCPARAM L0000317          0.1      4.00      4.00      3.72
   SRCPARAM L0000318          0.1      4.00      4.00      3.72
   SRCPARAM L0000319          0.1      4.00      4.00      3.72
** ------------------------------------------------------------------
** LINE VOLUME Source ID = FORKN
   SRCPARAM L0000910     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000911     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000912     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000913     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000914     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000915     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000916     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000917     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000918     0.1111111111      3.40      4.00      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = FORKS
   SRCPARAM L0000919     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000920     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000921     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000922     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000923     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000924     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000925     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000926     0.1111111111      3.40      4.00      3.16
   SRCPARAM L0000927     0.1111111111      3.40      4.00      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = TRUCKS
   SRCPARAM L0000595     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000596     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000597     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000598     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000599     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000600     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000601     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000602     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000603     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000604     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000605     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000606     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000607     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000608     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000609     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000610     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000611     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000612     0.0092592593      3.40      6.23      3.16
```

```
SRCPARAM L0000613     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000614     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000615     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000616     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000617     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000618     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000619     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000620     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000621     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000622     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000623     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000624     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000625     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000626     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000627     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000628     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000629     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000630     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000631     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000632     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000633     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000634     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000635     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000636     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000637     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000638     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000639     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000640     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000641     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000642     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000643     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000644     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000645     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000646     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000647     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000648     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000649     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000650     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000651     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000652     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000653     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000654     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000655     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000656     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000657     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000658     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000659     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000660     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000661     0.0092592593      3.40      6.23      3.16
SRCPARAM L0000662     0.0092592593      3.40      6.23      3.16
```

```
   SRCPARAM L0000663     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000664     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000665     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000666     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000667     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000668     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000669     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000670     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000671     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000672     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000673     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000674     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000675     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000676     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000677     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000678     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000679     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000680     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000681     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000682     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000683     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000684     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000685     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000686     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000687     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000688     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000689     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000690     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000691     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000692     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000693     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000694     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000695     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000696     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000697     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000698     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000699     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000700     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000701     0.0092592593      3.40      6.23      3.16
   SRCPARAM L0000702     0.0092592593      3.40      6.23      3.16
** ------------------------------------------------------------------------
** LINE VOLUME Source ID = TRUCKW
   SRCPARAM L0000760     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000761     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000762     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000763     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000764     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000765     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000766     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000767     0.0066666667      3.40      6.23      3.16
```

```
SRCPARAM L0000768     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000769     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000770     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000771     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000772     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000773     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000774     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000775     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000776     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000777     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000778     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000779     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000780     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000781     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000782     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000783     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000784     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000785     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000786     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000787     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000788     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000789     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000790     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000791     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000792     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000793     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000794     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000795     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000796     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000797     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000798     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000799     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000800     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000801     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000802     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000803     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000804     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000805     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000806     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000807     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000808     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000809     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000810     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000811     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000812     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000813     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000814     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000815     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000816     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000817     0.0066666667      3.40      6.23      3.16
```

```
SRCPARAM L0000818     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000819     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000820     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000821     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000822     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000823     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000824     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000825     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000826     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000827     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000828     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000829     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000830     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000831     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000832     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000833     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000834     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000835     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000836     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000837     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000838     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000839     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000840     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000841     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000842     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000843     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000844     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000845     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000846     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000847     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000848     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000849     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000850     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000851     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000852     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000853     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000854     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000855     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000856     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000857     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000858     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000859     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000860     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000861     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000862     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000863     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000864     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000865     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000866     0.0066666667      3.40      6.23      3.16
SRCPARAM L0000867     0.0066666667      3.40      6.23      3.16
```

```
   SRCPARAM L0000868     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000869     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000870     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000871     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000872     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000873     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000874     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000875     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000876     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000877     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000878     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000879     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000880     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000881     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000882     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000883     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000884     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000885     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000886     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000887     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000888     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000889     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000890     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000891     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000892     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000893     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000894     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000895     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000896     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000897     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000898     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000899     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000900     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000901     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000902     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000903     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000904     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000905     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000906     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000907     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000908     0.0066666667      3.40      6.23      3.16
   SRCPARAM L0000909     0.0066666667      3.40      6.23      3.16
** ------------------------------------------------------------------
   SRCPARAM FIRE               1.0    16.760   699.000 41.8264643929649  0.204216
** LINE VOLUME Source ID = ENTER
   SRCPARAM L0000928           0.1      3.40      6.23      3.16
   SRCPARAM L0000929           0.1      3.40      6.23      3.16
   SRCPARAM L0000930           0.1      3.40      6.23      3.16
   SRCPARAM L0000931           0.1      3.40      6.23      3.16
   SRCPARAM L0000932           0.1      3.40      6.23      3.16
```

```
   SRCPARAM L0000933          0.1      3.40      6.23      3.16
   SRCPARAM L0000934          0.1      3.40      6.23      3.16
   SRCPARAM L0000935          0.1      3.40      6.23      3.16
   SRCPARAM L0000936          0.1      3.40      6.23      3.16
   SRCPARAM L0000937          0.1      3.40      6.23      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = ONSITE
   SRCPARAM L0000938     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000939     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000940     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000941     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000942     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000943     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000944     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000945     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000946     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000947     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000948     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000949     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000950     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000951     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000952     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000953     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000954     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000955     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000956     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000957     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000958     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000959     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000960     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000961     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000962     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000963     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000964     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000965     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000966     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000967     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000968     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000969     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000970     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000971     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000972     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000973     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000974     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000975     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000976     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000977     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000978     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000979     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000980     0.0175438596      3.40      6.23      3.16
```

```
   SRCPARAM L0000981     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000982     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000983     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000984     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000985     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000986     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000987     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000988     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000989     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000990     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000991     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000992     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000993     0.0175438596      3.40      6.23      3.16
   SRCPARAM L0000994     0.0175438596      3.40      6.23      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = TRUCKN
   SRCPARAM L0000995     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0000996     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0000997     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0000998     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0000999     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001000     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001001     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001002     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001003     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001004     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001005     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001006     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001007     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001008     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001009     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001010     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001011     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001012     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001013     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001014     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001015     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001016     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001017     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001018     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001019     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001020     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001021     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001022     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001023     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001024     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001025     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001026     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001027     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001028     0.0056818182      3.40      6.23      3.16
```

```
SRCPARAM L0001029     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001030     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001031     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001032     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001033     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001034     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001035     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001036     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001037     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001038     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001039     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001040     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001041     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001042     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001043     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001044     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001045     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001046     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001047     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001048     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001049     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001050     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001051     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001052     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001053     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001054     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001055     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001056     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001057     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001058     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001059     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001060     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001061     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001062     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001063     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001064     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001065     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001066     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001067     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001068     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001069     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001070     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001071     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001072     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001073     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001074     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001075     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001076     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001077     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001078     0.0056818182      3.40      6.23      3.16
```

```
SRCPARAM L0001079     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001080     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001081     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001082     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001083     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001084     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001085     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001086     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001087     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001088     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001089     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001090     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001091     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001092     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001093     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001094     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001095     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001096     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001097     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001098     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001099     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001100     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001101     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001102     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001103     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001104     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001105     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001106     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001107     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001108     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001109     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001110     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001111     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001112     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001113     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001114     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001115     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001116     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001117     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001118     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001119     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001120     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001121     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001122     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001123     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001124     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001125     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001126     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001127     0.0056818182      3.40      6.23      3.16
SRCPARAM L0001128     0.0056818182      3.40      6.23      3.16
```

```
   SRCPARAM L0001129     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001130     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001131     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001132     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001133     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001134     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001135     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001136     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001137     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001138     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001139     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001140     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001141     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001142     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001143     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001144     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001145     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001146     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001147     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001148     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001149     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001150     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001151     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001152     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001153     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001154     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001155     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001156     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001157     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001158     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001159     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001160     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001161     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001162     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001163     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001164     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001165     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001166     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001167     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001168     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001169     0.0056818182      3.40      6.23      3.16
   SRCPARAM L0001170     0.0056818182      3.40      6.23      3.16
** ------------------------------------------------------------------

** Building Downwash **
   BUILDHGT FIRE            15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT FIRE            15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT FIRE            15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT FIRE            15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT FIRE            15.24    15.24    15.24    15.24    15.24    15.24
```

```
BUILDHGT FIRE            15.24    15.24    15.24    15.24    15.24    15.24

BUILDWID FIRE           224.64   239.99   248.06   248.58   241.55   227.18
BUILDWID FIRE           205.91   178.39   156.65   187.83   214.59   234.82
BUILDWID FIRE           247.92   253.49   251.36   241.59   224.47   203.42
BUILDWID FIRE           224.64   239.99   248.06   248.58   241.55   227.18
BUILDWID FIRE           205.91   178.39   156.65   187.83   214.59   234.82
BUILDWID FIRE           247.92   253.49   251.36   241.59   224.47   203.42

BUILDLEN FIRE           187.83   214.59   234.82   247.92   253.49   251.36
BUILDLEN FIRE           241.59   224.47   203.42   224.64   239.99   248.06
BUILDLEN FIRE           248.58   241.55   227.18   205.91   178.39   156.65
BUILDLEN FIRE           187.83   214.59   234.82   247.92   253.49   251.36
BUILDLEN FIRE           241.59   224.47   203.42   224.64   239.99   248.06
BUILDLEN FIRE           248.58   241.55   227.18   205.91   178.39   156.65

XBADJ    FIRE           -34.09   -61.05   -86.16  -108.65  -127.84  -143.14
XBADJ    FIRE          -154.10  -160.37  -161.77  -183.18  -199.98  -210.70
XBADJ    FIRE          -215.02  -212.81  -204.13  -189.25  -168.62  -150.24
XBADJ    FIRE          -153.74  -153.54  -148.67  -139.28  -125.65  -108.22
XBADJ    FIRE           -87.49   -64.10   -41.65   -41.46   -40.02   -37.35
XBADJ    FIRE           -33.56   -28.74   -23.05   -16.66    -9.76    -6.41

YBADJ    FIRE            70.86    79.98    86.67    90.73    92.04    90.54
YBADJ    FIRE            86.30    79.43    71.91    59.83    46.24    31.25
YBADJ    FIRE            15.31    -1.09   -17.46   -33.30   -48.13   -60.06
YBADJ    FIRE           -70.86   -79.98   -86.67   -90.73   -92.04   -90.54
YBADJ    FIRE           -86.30   -79.43   -71.91   -59.83   -46.24   -31.25
YBADJ    FIRE           -15.31     1.09    17.46    33.30    48.13    60.06

URBANSRC ALL
SRCGROUP ENTER    L0000928 L0000929 L0000930 L0000931 L0000932 L0000933
SRCGROUP ENTER    L0000934 L0000935 L0000936 L0000937
SRCGROUP FIRE     FIRE
SRCGROUP FORKN    L0000910 L0000911 L0000912 L0000913 L0000914 L0000915
SRCGROUP FORKN    L0000916 L0000917 L0000918
SRCGROUP FORKS    L0000919 L0000920 L0000921 L0000922 L0000923 L0000924
SRCGROUP FORKS    L0000925 L0000926 L0000927
SRCGROUP IDLEN    L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
SRCGROUP IDLEN    L0000007 L0000008 L0000009 L0000010
SRCGROUP IDLES    L0000310 L0000311 L0000312 L0000313 L0000314 L0000315
SRCGROUP IDLES    L0000316 L0000317 L0000318 L0000319
SRCGROUP ONSITE   L0000938 L0000939 L0000940 L0000941 L0000942 L0000943
SRCGROUP ONSITE   L0000944 L0000945 L0000946 L0000947 L0000948 L0000949
SRCGROUP ONSITE   L0000950 L0000951 L0000952 L0000953 L0000954 L0000955
SRCGROUP ONSITE   L0000956 L0000957 L0000958 L0000959 L0000960 L0000961
SRCGROUP ONSITE   L0000962 L0000963 L0000964 L0000965 L0000966 L0000967
SRCGROUP ONSITE   L0000968 L0000969 L0000970 L0000971 L0000972 L0000973
SRCGROUP ONSITE   L0000974 L0000975 L0000976 L0000977 L0000978 L0000979
SRCGROUP ONSITE   L0000980 L0000981 L0000982 L0000983 L0000984 L0000985
```

```
SRCGROUP ONSITE   L0000986 L0000987 L0000988 L0000989 L0000990 L0000991
SRCGROUP ONSITE   L0000992 L0000993 L0000994
SRCGROUP TRUCKN   L0000995 L0000996 L0000997 L0000998 L0000999 L0001000
SRCGROUP TRUCKN   L0001001 L0001002 L0001003 L0001004 L0001005 L0001006
SRCGROUP TRUCKN   L0001007 L0001008 L0001009 L0001010 L0001011 L0001012
SRCGROUP TRUCKN   L0001013 L0001014 L0001015 L0001016 L0001017 L0001018
SRCGROUP TRUCKN   L0001019 L0001020 L0001021 L0001022 L0001023 L0001024
SRCGROUP TRUCKN   L0001025 L0001026 L0001027 L0001028 L0001029 L0001030
SRCGROUP TRUCKN   L0001031 L0001032 L0001033 L0001034 L0001035 L0001036
SRCGROUP TRUCKN   L0001037 L0001038 L0001039 L0001040 L0001041 L0001042
SRCGROUP TRUCKN   L0001043 L0001044 L0001045 L0001046 L0001047 L0001048
SRCGROUP TRUCKN   L0001049 L0001050 L0001051 L0001052 L0001053 L0001054
SRCGROUP TRUCKN   L0001055 L0001056 L0001057 L0001058 L0001059 L0001060
SRCGROUP TRUCKN   L0001061 L0001062 L0001063 L0001064 L0001065 L0001066
SRCGROUP TRUCKN   L0001067 L0001068 L0001069 L0001070 L0001071 L0001072
SRCGROUP TRUCKN   L0001073 L0001074 L0001075 L0001076 L0001077 L0001078
SRCGROUP TRUCKN   L0001079 L0001080 L0001081 L0001082 L0001083 L0001084
SRCGROUP TRUCKN   L0001085 L0001086 L0001087 L0001088 L0001089 L0001090
SRCGROUP TRUCKN   L0001091 L0001092 L0001093 L0001094 L0001095 L0001096
SRCGROUP TRUCKN   L0001097 L0001098 L0001099 L0001100 L0001101 L0001102
SRCGROUP TRUCKN   L0001103 L0001104 L0001105 L0001106 L0001107 L0001108
SRCGROUP TRUCKN   L0001109 L0001110 L0001111 L0001112 L0001113 L0001114
SRCGROUP TRUCKN   L0001115 L0001116 L0001117 L0001118 L0001119 L0001120
SRCGROUP TRUCKN   L0001121 L0001122 L0001123 L0001124 L0001125 L0001126
SRCGROUP TRUCKN   L0001127 L0001128 L0001129 L0001130 L0001131 L0001132
SRCGROUP TRUCKN   L0001133 L0001134 L0001135 L0001136 L0001137 L0001138
SRCGROUP TRUCKN   L0001139 L0001140 L0001141 L0001142 L0001143 L0001144
SRCGROUP TRUCKN   L0001145 L0001146 L0001147 L0001148 L0001149 L0001150
SRCGROUP TRUCKN   L0001151 L0001152 L0001153 L0001154 L0001155 L0001156
SRCGROUP TRUCKN   L0001157 L0001158 L0001159 L0001160 L0001161 L0001162
SRCGROUP TRUCKN   L0001163 L0001164 L0001165 L0001166 L0001167 L0001168
SRCGROUP TRUCKN   L0001169 L0001170
SRCGROUP TRUCKS   L0000595 L0000596 L0000597 L0000598 L0000599 L0000600
SRCGROUP TRUCKS   L0000601 L0000602 L0000603 L0000604 L0000605 L0000606
SRCGROUP TRUCKS   L0000607 L0000608 L0000609 L0000610 L0000611 L0000612
SRCGROUP TRUCKS   L0000613 L0000614 L0000615 L0000616 L0000617 L0000618
SRCGROUP TRUCKS   L0000619 L0000620 L0000621 L0000622 L0000623 L0000624
SRCGROUP TRUCKS   L0000625 L0000626 L0000627 L0000628 L0000629 L0000630
SRCGROUP TRUCKS   L0000631 L0000632 L0000633 L0000634 L0000635 L0000636
SRCGROUP TRUCKS   L0000637 L0000638 L0000639 L0000640 L0000641 L0000642
SRCGROUP TRUCKS   L0000643 L0000644 L0000645 L0000646 L0000647 L0000648
SRCGROUP TRUCKS   L0000649 L0000650 L0000651 L0000652 L0000653 L0000654
SRCGROUP TRUCKS   L0000655 L0000656 L0000657 L0000658 L0000659 L0000660
SRCGROUP TRUCKS   L0000661 L0000662 L0000663 L0000664 L0000665 L0000666
SRCGROUP TRUCKS   L0000667 L0000668 L0000669 L0000670 L0000671 L0000672
SRCGROUP TRUCKS   L0000673 L0000674 L0000675 L0000676 L0000677 L0000678
SRCGROUP TRUCKS   L0000679 L0000680 L0000681 L0000682 L0000683 L0000684
SRCGROUP TRUCKS   L0000685 L0000686 L0000687 L0000688 L0000689 L0000690
SRCGROUP TRUCKS   L0000691 L0000692 L0000693 L0000694 L0000695 L0000696
SRCGROUP TRUCKS   L0000697 L0000698 L0000699 L0000700 L0000701 L0000702
```

```
   SRCGROUP TRUCKW   L0000760 L0000761 L0000762 L0000763 L0000764 L0000765
   SRCGROUP TRUCKW   L0000766 L0000767 L0000768 L0000769 L0000770 L0000771
   SRCGROUP TRUCKW   L0000772 L0000773 L0000774 L0000775 L0000776 L0000777
   SRCGROUP TRUCKW   L0000778 L0000779 L0000780 L0000781 L0000782 L0000783
   SRCGROUP TRUCKW   L0000784 L0000785 L0000786 L0000787 L0000788 L0000789
   SRCGROUP TRUCKW   L0000790 L0000791 L0000792 L0000793 L0000794 L0000795
   SRCGROUP TRUCKW   L0000796 L0000797 L0000798 L0000799 L0000800 L0000801
   SRCGROUP TRUCKW   L0000802 L0000803 L0000804 L0000805 L0000806 L0000807
   SRCGROUP TRUCKW   L0000808 L0000809 L0000810 L0000811 L0000812 L0000813
   SRCGROUP TRUCKW   L0000814 L0000815 L0000816 L0000817 L0000818 L0000819
   SRCGROUP TRUCKW   L0000820 L0000821 L0000822 L0000823 L0000824 L0000825
   SRCGROUP TRUCKW   L0000826 L0000827 L0000828 L0000829 L0000830 L0000831
   SRCGROUP TRUCKW   L0000832 L0000833 L0000834 L0000835 L0000836 L0000837
   SRCGROUP TRUCKW   L0000838 L0000839 L0000840 L0000841 L0000842 L0000843
   SRCGROUP TRUCKW   L0000844 L0000845 L0000846 L0000847 L0000848 L0000849
   SRCGROUP TRUCKW   L0000850 L0000851 L0000852 L0000853 L0000854 L0000855
   SRCGROUP TRUCKW   L0000856 L0000857 L0000858 L0000859 L0000860 L0000861
   SRCGROUP TRUCKW   L0000862 L0000863 L0000864 L0000865 L0000866 L0000867
   SRCGROUP TRUCKW   L0000868 L0000869 L0000870 L0000871 L0000872 L0000873
   SRCGROUP TRUCKW   L0000874 L0000875 L0000876 L0000877 L0000878 L0000879
   SRCGROUP TRUCKW   L0000880 L0000881 L0000882 L0000883 L0000884 L0000885
   SRCGROUP TRUCKW   L0000886 L0000887 L0000888 L0000889 L0000890 L0000891
   SRCGROUP TRUCKW   L0000892 L0000893 L0000894 L0000895 L0000896 L0000897
   SRCGROUP TRUCKW   L0000898 L0000899 L0000900 L0000901 L0000902 L0000903
   SRCGROUP TRUCKW   L0000904 L0000905 L0000906 L0000907 L0000908 L0000909
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED SanteeOpRev1.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE LES_2019-2021_v22112.SFC
   PROFFILE LES_2019-2021_v22112.PFL
   SURFDATA 53143 2019
   UAIRDATA 3190 2019
   SITEDATA 1022 2019
   PROFBASE 143.0 METERS
ME FINISHED
```

```
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST SANTEEOPREV1.AD\01H1GALL.PLT 31
   PLOTFILE 1 ENTER 1ST SANTEEOPREV1.AD\01H1G001.PLT 32
   PLOTFILE 1 FIRE 1ST SANTEEOPREV1.AD\01H1G002.PLT 33
   PLOTFILE 1 FORKN 1ST SANTEEOPREV1.AD\01H1G003.PLT 34
   PLOTFILE 1 FORKS 1ST SANTEEOPREV1.AD\01H1G004.PLT 35
   PLOTFILE 1 IDLEN 1ST SANTEEOPREV1.AD\01H1G005.PLT 36
   PLOTFILE 1 IDLES 1ST SANTEEOPREV1.AD\01H1G006.PLT 37
   PLOTFILE 1 ONSITE 1ST SANTEEOPREV1.AD\01H1G007.PLT 38
   PLOTFILE 1 TRUCKN 1ST SANTEEOPREV1.AD\01H1G008.PLT 39
   PLOTFILE 1 TRUCKS 1ST SANTEEOPREV1.AD\01H1G009.PLT 40
   PLOTFILE 1 TRUCKW 1ST SANTEEOPREV1.AD\01H1G010.PLT 41
   PLOTFILE PERIOD ALL SANTEEOPREV1.AD\PE00GALL.PLT 42
   PLOTFILE PERIOD ENTER SANTEEOPREV1.AD\PE00G001.PLT 43
   PLOTFILE PERIOD FIRE SANTEEOPREV1.AD\PE00G002.PLT 44
   PLOTFILE PERIOD FORKN SANTEEOPREV1.AD\PE00G003.PLT 45
   PLOTFILE PERIOD FORKS SANTEEOPREV1.AD\PE00G004.PLT 46
   PLOTFILE PERIOD IDLEN SANTEEOPREV1.AD\PE00G005.PLT 47
   PLOTFILE PERIOD IDLES SANTEEOPREV1.AD\PE00G006.PLT 48
   PLOTFILE PERIOD ONSITE SANTEEOPREV1.AD\PE00G007.PLT 49
   PLOTFILE PERIOD TRUCKN SANTEEOPREV1.AD\PE00G008.PLT 50
   PLOTFILE PERIOD TRUCKS SANTEEOPREV1.AD\PE00G009.PLT 51
   PLOTFILE PERIOD TRUCKW SANTEEOPREV1.AD\PE00G010.PLT 52
   SUMMFILE SanteeOpRev1.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
```

```
 MX W403    1449       PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        13:54:44

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                            ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   540 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   3276208.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    540 Source(s);      11 Source Group(s); and    3758
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    539 VOLUME source(s)
                 and:      0 AREA type source(s)
```

```
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  22112

 **Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   143.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      6.6 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   SanteeOpRev1.err

 **File for Summary of Results:   SanteeOpRev1.sum

↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR VARY BY	EMIS RATE SCALAR
FIRE	0	0.10000E+01	503852.9	3634394.2	109.6	16.76	699.00	41.83	0.20	YES	YES	NO	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000001	0	0.10000E+00	503745.9	3634529.9	108.1	4.00	4.00	3.72	YES		NO
L0000002	0	0.10000E+00	503754.5	3634529.9	108.0	4.00	4.00	3.72	YES		NO
L0000003	0	0.10000E+00	503763.1	3634529.9	108.0	4.00	4.00	3.72	YES		NO
L0000004	0	0.10000E+00	503771.7	3634529.9	108.1	4.00	4.00	3.72	YES		NO
L0000005	0	0.10000E+00	503780.3	3634529.9	108.1	4.00	4.00	3.72	YES		NO
L0000006	0	0.10000E+00	503788.9	3634529.9	108.1	4.00	4.00	3.72	YES		NO
L0000007	0	0.10000E+00	503797.5	3634529.9	108.1	4.00	4.00	3.72	YES		NO
L0000008	0	0.10000E+00	503806.1	3634529.9	108.2	4.00	4.00	3.72	YES		NO

```
 L0000009         0   0.10000E+00  503814.7 3634529.9   108.2     4.00     4.00
3.72     YES                   NO
 L0000010         0   0.10000E+00  503823.3 3634529.9   108.3     4.00     4.00
3.72     YES                   NO
 L0000310         0   0.10000E+00  503750.2 3634401.1   109.0     4.00     4.00
3.72     YES                   NO
 L0000311         0   0.10000E+00  503758.8 3634401.1   109.1     4.00     4.00
3.72     YES                   NO
 L0000312         0   0.10000E+00  503767.3 3634401.1   109.1     4.00     4.00
3.72     YES                   NO
 L0000313         0   0.10000E+00  503776.0 3634401.2   109.0     4.00     4.00
3.72     YES                   NO
 L0000314         0   0.10000E+00  503784.5 3634401.2   109.1     4.00     4.00
3.72     YES                   NO
 L0000315         0   0.10000E+00  503793.1 3634401.2   109.1     4.00     4.00
3.72     YES                   NO
 L0000316         0   0.10000E+00  503801.8 3634401.3   109.2     4.00     4.00
3.72     YES                   NO
 L0000317         0   0.10000E+00  503810.3 3634401.3   109.3     4.00     4.00
3.72     YES                   NO
 L0000318         0   0.10000E+00  503819.0 3634401.3   109.3     4.00     4.00
3.72     YES                   NO
 L0000319         0   0.10000E+00  503827.5 3634401.4   109.4     4.00     4.00
3.72     YES                   NO
 L0000910         0   0.11111E+00  503747.2 3634542.6   108.3     3.40     4.00
3.16     YES                   NO
 L0000911         0   0.11111E+00  503755.8 3634542.6   108.2     3.40     4.00
3.16     YES                   NO
 L0000912         0   0.11111E+00  503764.4 3634542.6   108.1     3.40     4.00
3.16     YES                   NO
 L0000913         0   0.11111E+00  503773.0 3634542.6   108.1     3.40     4.00
3.16     YES                   NO
 L0000914         0   0.11111E+00  503781.6 3634542.6   108.0     3.40     4.00
3.16     YES                   NO
 L0000915         0   0.11111E+00  503790.2 3634542.6   108.0     3.40     4.00
3.16     YES                   NO
 L0000916         0   0.11111E+00  503798.8 3634542.6   108.1     3.40     4.00
3.16     YES                   NO
 L0000917         0   0.11111E+00  503807.4 3634542.6   108.1     3.40     4.00
3.16     YES                   NO
 L0000918         0   0.11111E+00  503816.0 3634542.6   108.2     3.40     4.00
3.16     YES                   NO
 L0000919         0   0.11111E+00  503753.1 3634389.0   109.1     3.40     4.00
3.16     YES                   NO
 L0000920         0   0.11111E+00  503761.7 3634389.1   109.1     3.40     4.00
3.16     YES                   NO
 L0000921         0   0.11111E+00  503770.3 3634389.1   109.1     3.40     4.00
3.16     YES                   NO
 L0000922         0   0.11111E+00  503778.9 3634389.1   109.1     3.40     4.00
3.16     YES                   NO
```

```
 L0000923         0   0.11111E+00  503787.5 3634389.2   109.1     3.40     4.00
3.16     YES                    NO
 L0000924         0   0.11111E+00  503796.1 3634389.2   109.2     3.40     4.00
3.16     YES                    NO
 L0000925         0   0.11111E+00  503804.7 3634389.2   109.3     3.40     4.00
3.16     YES                    NO
 L0000926         0   0.11111E+00  503813.3 3634389.3   109.3     3.40     4.00
3.16     YES                    NO
 L0000927         0   0.11111E+00  503821.9 3634389.3   109.4     3.40     4.00
3.16     YES                    NO
 L0000595         0   0.92593E-02  503935.2 3634222.2   111.6     3.40     6.23
3.16     YES                    NO
 L0000596         0   0.92593E-02  503925.7 3634212.7   111.6     3.40     6.23
3.16     YES                    NO
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000597         0   0.92593E-02  503916.2 3634203.3   111.5     3.40     6.23
3.16     YES                    NO
 L0000598         0   0.92593E-02  503906.7 3634193.8   111.8     3.40     6.23
3.16     YES                    NO
 L0000599         0   0.92593E-02  503897.3 3634184.3   111.8     3.40     6.23
3.16     YES                    NO
 L0000600         0   0.92593E-02  503887.8 3634174.8   111.7     3.40     6.23
3.16     YES                    NO
 L0000601         0   0.92593E-02  503878.3 3634165.4   111.9     3.40     6.23
3.16     YES                    NO
 L0000602         0   0.92593E-02  503868.8 3634155.9   111.9     3.40     6.23
3.16     YES                    NO
 L0000603         0   0.92593E-02  503859.4 3634146.4   111.7     3.40     6.23
3.16     YES                    NO
 L0000604         0   0.92593E-02  503849.9 3634136.9   112.0     3.40     6.23
3.16     YES                    NO
```

L0000605	0	0.92593E-02	503840.4	3634127.5	112.5	3.40	6.23	
3.16	YES		NO					
L0000606	0	0.92593E-02	503830.9	3634118.0	112.7	3.40	6.23	
3.16	YES		NO					
L0000607	0	0.92593E-02	503821.5	3634108.5	112.5	3.40	6.23	
3.16	YES		NO					
L0000608	0	0.92593E-02	503812.0	3634099.0	112.8	3.40	6.23	
3.16	YES		NO					
L0000609	0	0.92593E-02	503802.5	3634089.6	113.1	3.40	6.23	
3.16	YES		NO					
L0000610	0	0.92593E-02	503793.7	3634079.6	112.6	3.40	6.23	
3.16	YES		NO					
L0000611	0	0.92593E-02	503787.1	3634067.9	113.0	3.40	6.23	
3.16	YES		NO					
L0000612	0	0.92593E-02	503780.4	3634056.3	113.5	3.40	6.23	
3.16	YES		NO					
L0000613	0	0.92593E-02	503773.8	3634044.7	113.1	3.40	6.23	
3.16	YES		NO					
L0000614	0	0.92593E-02	503767.1	3634033.0	113.2	3.40	6.23	
3.16	YES		NO					
L0000615	0	0.92593E-02	503760.5	3634021.4	113.4	3.40	6.23	
3.16	YES		NO					
L0000616	0	0.92593E-02	503753.8	3634009.8	113.2	3.40	6.23	
3.16	YES		NO					
L0000617	0	0.92593E-02	503747.2	3633998.1	113.1	3.40	6.23	
3.16	YES		NO					
L0000618	0	0.92593E-02	503740.5	3633986.5	113.3	3.40	6.23	
3.16	YES		NO					
L0000619	0	0.92593E-02	503733.9	3633974.9	113.5	3.40	6.23	
3.16	YES		NO					
L0000620	0	0.92593E-02	503727.2	3633963.2	113.6	3.40	6.23	
3.16	YES		NO					
L0000621	0	0.92593E-02	503720.6	3633951.6	113.6	3.40	6.23	
3.16	YES		NO					
L0000622	0	0.92593E-02	503713.9	3633939.9	114.0	3.40	6.23	
3.16	YES		NO					
L0000623	0	0.92593E-02	503707.3	3633928.3	114.3	3.40	6.23	
3.16	YES		NO					
L0000624	0	0.92593E-02	503700.6	3633916.7	114.2	3.40	6.23	
3.16	YES		NO					
L0000625	0	0.92593E-02	503694.0	3633905.0	114.6	3.40	6.23	
3.16	YES		NO					
L0000626	0	0.92593E-02	503687.3	3633893.4	115.1	3.40	6.23	
3.16	YES		NO					
L0000627	0	0.92593E-02	503680.7	3633881.8	115.4	3.40	6.23	
3.16	YES		NO					
L0000628	0	0.92593E-02	503674.9	3633869.7	115.6	3.40	6.23	
3.16	YES		NO					
L0000629	0	0.92593E-02	503670.6	3633857.1	116.2	3.40	6.23	
3.16	YES		NO					

```
 L0000630         0   0.92593E-02  503666.2 3633844.4   116.8     3.40     6.23
3.16     YES                    NO
 L0000631         0   0.92593E-02  503661.8 3633831.8   117.0     3.40     6.23
3.16     YES                    NO
 L0000632         0   0.92593E-02  503657.4 3633819.1   117.0     3.40     6.23
3.16     YES                    NO
 L0000633         0   0.92593E-02  503653.0 3633806.4   117.3     3.40     6.23
3.16     YES                    NO
 L0000634         0   0.92593E-02  503648.6 3633793.8   118.0     3.40     6.23
3.16     YES                    NO
 L0000635         0   0.92593E-02  503644.2 3633781.1   118.6     3.40     6.23
3.16     YES                    NO
 L0000636         0   0.92593E-02  503639.8 3633768.4   118.8     3.40     6.23
3.16     YES                    NO
```



```
                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000637         0   0.92593E-02  503635.4 3633755.8   119.1     3.40     6.23
3.16     YES                    NO
 L0000638         0   0.92593E-02  503631.1 3633743.1   118.5     3.40     6.23
3.16     YES                    NO
 L0000639         0   0.92593E-02  503626.7 3633730.5   117.5     3.40     6.23
3.16     YES                    NO
 L0000640         0   0.92593E-02  503622.3 3633717.8   117.4     3.40     6.23
3.16     YES                    NO
 L0000641         0   0.92593E-02  503617.9 3633705.1   119.2     3.40     6.23
3.16     YES                    NO
 L0000642         0   0.92593E-02  503613.5 3633692.5   120.6     3.40     6.23
3.16     YES                    NO
 L0000643         0   0.92593E-02  503609.1 3633679.8   121.0     3.40     6.23
3.16     YES                    NO
 L0000644         0   0.92593E-02  503604.7 3633667.2   121.6     3.40     6.23
3.16     YES                    NO
```

L0000645	0	0.92593E-02	503600.3	3633654.5	122.6	3.40	6.23	3.16
YES		NO						
L0000646	0	0.92593E-02	503595.9	3633641.8	123.0	3.40	6.23	3.16
YES		NO						
L0000647	0	0.92593E-02	503591.6	3633629.2	123.5	3.40	6.23	3.16
YES		NO						
L0000648	0	0.92593E-02	503587.2	3633616.5	123.6	3.40	6.23	3.16
YES		NO						
L0000649	0	0.92593E-02	503582.8	3633603.9	123.8	3.40	6.23	3.16
YES		NO						
L0000650	0	0.92593E-02	503579.3	3633591.0	124.2	3.40	6.23	3.16
YES		NO						
L0000651	0	0.92593E-02	503577.0	3633577.8	124.8	3.40	6.23	3.16
YES		NO						
L0000652	0	0.92593E-02	503574.7	3633564.6	125.5	3.40	6.23	3.16
YES		NO						
L0000653	0	0.92593E-02	503572.4	3633551.3	125.9	3.40	6.23	3.16
YES		NO						
L0000654	0	0.92593E-02	503570.2	3633538.1	126.3	3.40	6.23	3.16
YES		NO						
L0000655	0	0.92593E-02	503567.9	3633524.9	126.8	3.40	6.23	3.16
YES		NO						
L0000656	0	0.92593E-02	503565.6	3633511.7	127.2	3.40	6.23	3.16
YES		NO						
L0000657	0	0.92593E-02	503563.3	3633498.5	127.6	3.40	6.23	3.16
YES		NO						
L0000658	0	0.92593E-02	503561.0	3633485.3	128.0	3.40	6.23	3.16
YES		NO						
L0000659	0	0.92593E-02	503558.7	3633472.1	128.4	3.40	6.23	3.16
YES		NO						
L0000660	0	0.92593E-02	503556.5	3633458.9	128.8	3.40	6.23	3.16
YES		NO						
L0000661	0	0.92593E-02	503554.2	3633445.7	129.3	3.40	6.23	3.16
YES		NO						
L0000662	0	0.92593E-02	503551.9	3633432.5	129.7	3.40	6.23	3.16
YES		NO						
L0000663	0	0.92593E-02	503549.6	3633419.3	130.0	3.40	6.23	3.16
YES		NO						
L0000664	0	0.92593E-02	503547.3	3633406.1	130.5	3.40	6.23	3.16
YES		NO						
L0000665	0	0.92593E-02	503547.1	3633392.7	130.9	3.40	6.23	3.16
YES		NO						
L0000666	0	0.92593E-02	503547.3	3633379.3	131.4	3.40	6.23	3.16
YES		NO						
L0000667	0	0.92593E-02	503547.5	3633365.9	131.8	3.40	6.23	3.16
YES		NO						
L0000668	0	0.92593E-02	503547.7	3633352.5	132.2	3.40	6.23	3.16
YES		NO						
L0000669	0	0.92593E-02	503547.9	3633339.1	132.6	3.40	6.23	3.16
YES		NO						

```
 L0000670         0   0.92593E-02  503548.1 3633325.7   133.0     3.40     6.23
3.16     YES                    NO
 L0000671         0   0.92593E-02  503548.3 3633312.3   133.4     3.40     6.23
3.16     YES                    NO
 L0000672         0   0.92593E-02  503548.5 3633299.0   133.8     3.40     6.23
3.16     YES                    NO
 L0000673         0   0.92593E-02  503548.7 3633285.6   134.2     3.40     6.23
3.16     YES                    NO
 L0000674         0   0.92593E-02  503548.9 3633272.2   134.6     3.40     6.23
3.16     YES                    NO
 L0000675         0   0.92593E-02  503549.1 3633258.8   135.0     3.40     6.23
3.16     YES                    NO
 L0000676         0   0.92593E-02  503549.3 3633245.4   135.2     3.40     6.23
3.16     YES                    NO
```



```
                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000677         0   0.92593E-02  503549.5 3633232.0   135.6     3.40     6.23
3.16     YES                    NO
 L0000678         0   0.92593E-02  503549.7 3633218.6   135.8     3.40     6.23
3.16     YES                    NO
 L0000679         0   0.92593E-02  503549.9 3633205.2   136.0     3.40     6.23
3.16     YES                    NO
 L0000680         0   0.92593E-02  503550.1 3633191.8   136.2     3.40     6.23
3.16     YES                    NO
 L0000681         0   0.92593E-02  503550.4 3633178.4   136.3     3.40     6.23
3.16     YES                    NO
 L0000682         0   0.92593E-02  503550.6 3633165.0   136.5     3.40     6.23
3.16     YES                    NO
 L0000683         0   0.92593E-02  503550.4 3633151.6   136.6     3.40     6.23
3.16     YES                    NO
 L0000684         0   0.92593E-02  503550.1 3633138.2   136.8     3.40     6.23
3.16     YES                    NO
```

L0000685	0	0.92593E-02	503549.7	3633124.8	136.8	3.40	6.23	3.16
YES		NO						
L0000686	0	0.92593E-02	503549.3	3633111.4	136.9	3.40	6.23	3.16
YES		NO						
L0000687	0	0.92593E-02	503548.9	3633098.0	136.9	3.40	6.23	3.16
YES		NO						
L0000688	0	0.92593E-02	503548.6	3633084.6	136.9	3.40	6.23	3.16
YES		NO						
L0000689	0	0.92593E-02	503548.2	3633071.2	136.9	3.40	6.23	3.16
YES		NO						
L0000690	0	0.92593E-02	503547.8	3633057.8	136.8	3.40	6.23	3.16
YES		NO						
L0000691	0	0.92593E-02	503547.5	3633044.4	136.8	3.40	6.23	3.16
YES		NO						
L0000692	0	0.92593E-02	503547.1	3633031.0	136.7	3.40	6.23	3.16
YES		NO						
L0000693	0	0.92593E-02	503547.2	3633017.6	136.6	3.40	6.23	3.16
YES		NO						
L0000694	0	0.92593E-02	503547.5	3633004.2	136.6	3.40	6.23	3.16
YES		NO						
L0000695	0	0.92593E-02	503547.9	3632990.8	136.6	3.40	6.23	3.16
YES		NO						
L0000696	0	0.92593E-02	503548.2	3632977.4	136.5	3.40	6.23	3.16
YES		NO						
L0000697	0	0.92593E-02	503548.6	3632964.0	136.4	3.40	6.23	3.16
YES		NO						
L0000698	0	0.92593E-02	503549.0	3632950.6	136.2	3.40	6.23	3.16
YES		NO						
L0000699	0	0.92593E-02	503549.3	3632937.3	136.0	3.40	6.23	3.16
YES		NO						
L0000700	0	0.92593E-02	503549.7	3632923.9	135.7	3.40	6.23	3.16
YES		NO						
L0000701	0	0.92593E-02	503550.1	3632910.5	135.5	3.40	6.23	3.16
YES		NO						
L0000702	0	0.92593E-02	503550.4	3632897.1	135.2	3.40	6.23	3.16
YES		NO						
L0000760	0	0.66667E-02	503520.5	3632864.9	128.9	3.40	6.23	3.16
YES		NO						
L0000761	0	0.66667E-02	503512.1	3632854.4	128.5	3.40	6.23	3.16
YES		NO						
L0000762	0	0.66667E-02	503503.8	3632843.9	128.3	3.40	6.23	3.16
YES		NO						
L0000763	0	0.66667E-02	503495.4	3632833.5	128.2	3.40	6.23	3.16
YES		NO						
L0000764	0	0.66667E-02	503487.0	3632823.0	128.1	3.40	6.23	3.16
YES		NO						
L0000765	0	0.66667E-02	503478.7	3632812.6	127.8	3.40	6.23	3.16
YES		NO						
L0000766	0	0.66667E-02	503470.3	3632802.1	127.3	3.40	6.23	3.16
YES		NO						

```
 L0000767         0   0.66667E-02  503461.9 3632791.6   126.3     3.40     6.23
3.16     YES                     NO
 L0000768         0   0.66667E-02  503453.5 3632781.2   126.0     3.40     6.23
3.16     YES                     NO
 L0000769         0   0.66667E-02  503442.5 3632774.3   125.8     3.40     6.23
3.16     YES                     NO
 L0000770         0   0.66667E-02  503430.0 3632769.6   125.7     3.40     6.23
3.16     YES                     NO
 L0000771         0   0.66667E-02  503417.5 3632764.8   125.7     3.40     6.23
3.16     YES                     NO
 L0000772         0   0.66667E-02  503405.0 3632760.0   125.3     3.40     6.23
3.16     YES                     NO
 L0000773         0   0.66667E-02  503392.4 3632755.2   124.9     3.40     6.23
3.16     YES                     NO
```



```
                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0000774         0   0.66667E-02  503379.9 3632750.4   124.2     3.40     6.23
3.16     YES                     NO
 L0000775         0   0.66667E-02  503367.4 3632745.6   123.6     3.40     6.23
3.16     YES                     NO
 L0000776         0   0.66667E-02  503354.9 3632740.8   124.1     3.40     6.23
3.16     YES                     NO
 L0000777         0   0.66667E-02  503342.4 3632736.1   124.7     3.40     6.23
3.16     YES                     NO
 L0000778         0   0.66667E-02  503329.9 3632731.3   127.1     3.40     6.23
3.16     YES                     NO
 L0000779         0   0.66667E-02  503316.9 3632728.7   129.7     3.40     6.23
3.16     YES                     NO
 L0000780         0   0.66667E-02  503303.5 3632727.8   132.3     3.40     6.23
3.16     YES                     NO
 L0000781         0   0.66667E-02  503290.1 3632726.9   134.9     3.40     6.23
3.16     YES                     NO
```

L0000782	0	0.66667E-02	503276.7	3632726.0	134.9	3.40	6.23	3.16
YES		NO						
L0000783	0	0.66667E-02	503263.4	3632725.1	134.7	3.40	6.23	3.16
YES		NO						
L0000784	0	0.66667E-02	503250.0	3632724.1	134.3	3.40	6.23	3.16
YES		NO						
L0000785	0	0.66667E-02	503236.6	3632723.2	134.0	3.40	6.23	3.16
YES		NO						
L0000786	0	0.66667E-02	503223.3	3632722.3	133.8	3.40	6.23	3.16
YES		NO						
L0000787	0	0.66667E-02	503209.9	3632721.4	133.7	3.40	6.23	3.16
YES		NO						
L0000788	0	0.66667E-02	503196.5	3632720.5	134.0	3.40	6.23	3.16
YES		NO						
L0000789	0	0.66667E-02	503183.2	3632719.6	134.3	3.40	6.23	3.16
YES		NO						
L0000790	0	0.66667E-02	503169.8	3632718.7	134.4	3.40	6.23	3.16
YES		NO						
L0000791	0	0.66667E-02	503156.4	3632718.2	134.3	3.40	6.23	3.16
YES		NO						
L0000792	0	0.66667E-02	503143.0	3632718.4	133.8	3.40	6.23	3.16
YES		NO						
L0000793	0	0.66667E-02	503129.6	3632718.6	133.2	3.40	6.23	3.16
YES		NO						
L0000794	0	0.66667E-02	503116.2	3632718.8	132.7	3.40	6.23	3.16
YES		NO						
L0000795	0	0.66667E-02	503102.8	3632719.0	132.2	3.40	6.23	3.16
YES		NO						
L0000796	0	0.66667E-02	503089.4	3632719.1	131.7	3.40	6.23	3.16
YES		NO						
L0000797	0	0.66667E-02	503076.0	3632719.3	131.2	3.40	6.23	3.16
YES		NO						
L0000798	0	0.66667E-02	503062.6	3632719.5	130.6	3.40	6.23	3.16
YES		NO						
L0000799	0	0.66667E-02	503049.2	3632719.7	130.0	3.40	6.23	3.16
YES		NO						
L0000800	0	0.66667E-02	503035.8	3632719.9	129.5	3.40	6.23	3.16
YES		NO						
L0000801	0	0.66667E-02	503022.4	3632720.1	128.9	3.40	6.23	3.16
YES		NO						
L0000802	0	0.66667E-02	503009.0	3632720.3	128.4	3.40	6.23	3.16
YES		NO						
L0000803	0	0.66667E-02	502995.6	3632720.5	127.9	3.40	6.23	3.16
YES		NO						
L0000804	0	0.66667E-02	502982.2	3632720.7	127.5	3.40	6.23	3.16
YES		NO						
L0000805	0	0.66667E-02	502968.8	3632720.9	127.0	3.40	6.23	3.16
YES		NO						
L0000806	0	0.66667E-02	502955.4	3632721.1	126.6	3.40	6.23	3.16
YES		NO						

```
 L0000807         0   0.66667E-02  502942.0 3632721.3   126.1     3.40     6.23
3.16     YES                    NO
 L0000808         0   0.66667E-02  502928.6 3632721.5   125.4     3.40     6.23
3.16     YES                    NO
 L0000809         0   0.66667E-02  502915.2 3632721.7   124.7     3.40     6.23
3.16     YES                    NO
 L0000810         0   0.66667E-02  502901.9 3632722.1   124.0     3.40     6.23
3.16     YES                    NO
 L0000811         0   0.66667E-02  502888.5 3632723.2   123.7     3.40     6.23
3.16     YES                    NO
 L0000812         0   0.66667E-02  502875.1 3632724.3   123.5     3.40     6.23
3.16     YES                    NO
 L0000813         0   0.66667E-02  502861.8 3632725.4   123.1     3.40     6.23
3.16     YES                    NO
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY	AIRCRAFT
L0000814	0	0.66667E-02	502848.4	3632726.5	122.8	3.40	6.23	3.16	YES	NO	
L0000815	0	0.66667E-02	502835.1	3632727.6	122.6	3.40	6.23	3.16	YES	NO	
L0000816	0	0.66667E-02	502821.7	3632728.6	122.4	3.40	6.23	3.16	YES	NO	
L0000817	0	0.66667E-02	502808.4	3632729.7	122.2	3.40	6.23	3.16	YES	NO	
L0000818	0	0.66667E-02	502795.0	3632730.8	122.2	3.40	6.23	3.16	YES	NO	
L0000819	0	0.66667E-02	502781.7	3632731.9	122.2	3.40	6.23	3.16	YES	NO	
L0000820	0	0.66667E-02	502768.3	3632733.0	122.2	3.40	6.23	3.16	YES	NO	
L0000821	0	0.66667E-02	502754.9	3632734.1	122.2	3.40	6.23	3.16	YES	NO	

L0000822	0	0.66667E-02	502741.6	3632735.2	121.6	3.40	6.23	
3.16	YES		NO					
L0000823	0	0.66667E-02	502728.2	3632736.2	121.1	3.40	6.23	
3.16	YES		NO					
L0000824	0	0.66667E-02	502714.9	3632737.3	120.5	3.40	6.23	
3.16	YES		NO					
L0000825	0	0.66667E-02	502701.5	3632738.4	120.0	3.40	6.23	
3.16	YES		NO					
L0000826	0	0.66667E-02	502688.2	3632739.5	119.5	3.40	6.23	
3.16	YES		NO					
L0000827	0	0.66667E-02	502674.8	3632740.6	119.1	3.40	6.23	
3.16	YES		NO					
L0000828	0	0.66667E-02	502661.4	3632741.7	118.8	3.40	6.23	
3.16	YES		NO					
L0000829	0	0.66667E-02	502648.1	3632742.8	118.8	3.40	6.23	
3.16	YES		NO					
L0000830	0	0.66667E-02	502634.7	3632743.9	118.9	3.40	6.23	
3.16	YES		NO					
L0000831	0	0.66667E-02	502621.4	3632744.9	119.0	3.40	6.23	
3.16	YES		NO					
L0000832	0	0.66667E-02	502608.0	3632746.0	119.1	3.40	6.23	
3.16	YES		NO					
L0000833	0	0.66667E-02	502594.7	3632747.1	119.3	3.40	6.23	
3.16	YES		NO					
L0000834	0	0.66667E-02	502581.3	3632747.8	119.2	3.40	6.23	
3.16	YES		NO					
L0000835	0	0.66667E-02	502567.9	3632748.0	118.8	3.40	6.23	
3.16	YES		NO					
L0000836	0	0.66667E-02	502554.5	3632748.2	118.5	3.40	6.23	
3.16	YES		NO					
L0000837	0	0.66667E-02	502541.1	3632748.4	118.4	3.40	6.23	
3.16	YES		NO					
L0000838	0	0.66667E-02	502527.7	3632748.6	118.2	3.40	6.23	
3.16	YES		NO					
L0000839	0	0.66667E-02	502514.3	3632748.8	117.9	3.40	6.23	
3.16	YES		NO					
L0000840	0	0.66667E-02	502500.9	3632749.0	115.6	3.40	6.23	
3.16	YES		NO					
L0000841	0	0.66667E-02	502487.5	3632749.2	112.0	3.40	6.23	
3.16	YES		NO					
L0000842	0	0.66667E-02	502474.1	3632749.4	110.2	3.40	6.23	
3.16	YES		NO					
L0000843	0	0.66667E-02	502460.7	3632749.6	109.5	3.40	6.23	
3.16	YES		NO					
L0000844	0	0.66667E-02	502447.3	3632749.8	111.7	3.40	6.23	
3.16	YES		NO					
L0000845	0	0.66667E-02	502433.9	3632750.0	115.0	3.40	6.23	
3.16	YES		NO					
L0000846	0	0.66667E-02	502420.5	3632750.2	115.6	3.40	6.23	
3.16	YES		NO					

```
 L0000847         0   0.66667E-02  502407.1 3632750.4   115.4     3.40     6.23
3.16     YES                    NO
 L0000848         0   0.66667E-02  502393.7 3632750.6   115.1     3.40     6.23
3.16     YES                    NO
 L0000849         0   0.66667E-02  502380.3 3632750.8   114.8     3.40     6.23
3.16     YES                    NO
 L0000850         0   0.66667E-02  502366.9 3632750.9   114.5     3.40     6.23
3.16     YES                    NO
 L0000851         0   0.66667E-02  502353.5 3632751.1   114.2     3.40     6.23
3.16     YES                    NO
 L0000852         0   0.66667E-02  502340.1 3632751.3   114.0     3.40     6.23
3.16     YES                    NO
 L0000853         0   0.66667E-02  502326.7 3632751.5   113.8     3.40     6.23
3.16     YES                    NO
```



```
                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000854         0   0.66667E-02  502313.3 3632751.7   113.5     3.40     6.23
3.16     YES                    NO
 L0000855         0   0.66667E-02  502299.9 3632751.9   113.3     3.40     6.23
3.16     YES                    NO
 L0000856         0   0.66667E-02  502286.5 3632752.1   113.0     3.40     6.23
3.16     YES                    NO
 L0000857         0   0.66667E-02  502273.1 3632752.3   112.7     3.40     6.23
3.16     YES                    NO
 L0000858         0   0.66667E-02  502259.7 3632752.5   112.5     3.40     6.23
3.16     YES                    NO
 L0000859         0   0.66667E-02  502246.3 3632752.7   112.2     3.40     6.23
3.16     YES                    NO
 L0000860         0   0.66667E-02  502232.9 3632752.9   112.0     3.40     6.23
3.16     YES                    NO
 L0000861         0   0.66667E-02  502219.5 3632753.1   111.8     3.40     6.23
3.16     YES                    NO
```

L0000862	0	0.66667E-02	502206.1	3632753.3	111.6	3.40	6.23	
3.16	YES	NO						
L0000863	0	0.66667E-02	502192.7	3632753.5	111.5	3.40	6.23	
3.16	YES	NO						
L0000864	0	0.66667E-02	502179.3	3632753.7	111.4	3.40	6.23	
3.16	YES	NO						
L0000865	0	0.66667E-02	502165.9	3632753.9	111.3	3.40	6.23	
3.16	YES	NO						
L0000866	0	0.66667E-02	502152.5	3632754.1	111.2	3.40	6.23	
3.16	YES	NO						
L0000867	0	0.66667E-02	502139.1	3632754.2	111.2	3.40	6.23	
3.16	YES	NO						
L0000868	0	0.66667E-02	502125.7	3632754.4	111.2	3.40	6.23	
3.16	YES	NO						
L0000869	0	0.66667E-02	502112.3	3632754.6	111.2	3.40	6.23	
3.16	YES	NO						
L0000870	0	0.66667E-02	502098.9	3632754.8	111.2	3.40	6.23	
3.16	YES	NO						
L0000871	0	0.66667E-02	502085.5	3632755.0	111.3	3.40	6.23	
3.16	YES	NO						
L0000872	0	0.66667E-02	502072.1	3632755.2	111.4	3.40	6.23	
3.16	YES	NO						
L0000873	0	0.66667E-02	502058.8	3632755.4	111.5	3.40	6.23	
3.16	YES	NO						
L0000874	0	0.66667E-02	502045.4	3632755.6	111.7	3.40	6.23	
3.16	YES	NO						
L0000875	0	0.66667E-02	502032.0	3632755.8	111.8	3.40	6.23	
3.16	YES	NO						
L0000876	0	0.66667E-02	502018.6	3632756.0	112.0	3.40	6.23	
3.16	YES	NO						
L0000877	0	0.66667E-02	502005.2	3632756.2	111.7	3.40	6.23	
3.16	YES	NO						
L0000878	0	0.66667E-02	501991.8	3632756.4	111.2	3.40	6.23	
3.16	YES	NO						
L0000879	0	0.66667E-02	501978.4	3632756.6	111.2	3.40	6.23	
3.16	YES	NO						
L0000880	0	0.66667E-02	501965.0	3632756.8	111.3	3.40	6.23	
3.16	YES	NO						
L0000881	0	0.66667E-02	501951.6	3632757.0	111.4	3.40	6.23	
3.16	YES	NO						
L0000882	0	0.66667E-02	501938.2	3632757.2	111.5	3.40	6.23	
3.16	YES	NO						
L0000883	0	0.66667E-02	501924.8	3632757.4	111.7	3.40	6.23	
3.16	YES	NO						
L0000884	0	0.66667E-02	501911.4	3632757.6	111.9	3.40	6.23	
3.16	YES	NO						
L0000885	0	0.66667E-02	501898.0	3632757.7	112.0	3.40	6.23	
3.16	YES	NO						
L0000886	0	0.66667E-02	501884.6	3632757.9	112.2	3.40	6.23	
3.16	YES	NO						

```
 L0000887         0   0.66667E-02  501871.2 3632758.1   112.4     3.40     6.23
3.16     YES                    NO
 L0000888         0   0.66667E-02  501857.8 3632758.3   112.6     3.40     6.23
3.16     YES                    NO
 L0000889         0   0.66667E-02  501844.4 3632758.5   112.8     3.40     6.23
3.16     YES                    NO
 L0000890         0   0.66667E-02  501831.0 3632758.7   112.9     3.40     6.23
3.16     YES                    NO
 L0000891         0   0.66667E-02  501817.6 3632758.9   113.0     3.40     6.23
3.16     YES                    NO
 L0000892         0   0.66667E-02  501804.2 3632759.1   113.1     3.40     6.23
3.16     YES                    NO
 L0000893         0   0.66667E-02  501790.8 3632759.3   113.3     3.40     6.23
3.16     YES                    NO
```



```
                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000894         0   0.66667E-02  501777.4 3632759.5   113.5     3.40     6.23
3.16     YES                    NO
 L0000895         0   0.66667E-02  501764.0 3632759.7   113.7     3.40     6.23
3.16     YES                    NO
 L0000896         0   0.66667E-02  501750.6 3632759.9   113.9     3.40     6.23
3.16     YES                    NO
 L0000897         0   0.66667E-02  501737.2 3632760.1   114.1     3.40     6.23
3.16     YES                    NO
 L0000898         0   0.66667E-02  501723.8 3632760.3   114.3     3.40     6.23
3.16     YES                    NO
 L0000899         0   0.66667E-02  501710.4 3632760.5   114.6     3.40     6.23
3.16     YES                    NO
 L0000900         0   0.66667E-02  501697.0 3632760.7   115.0     3.40     6.23
3.16     YES                    NO
 L0000901         0   0.66667E-02  501683.6 3632760.9   115.4     3.40     6.23
3.16     YES                    NO
```

```
 L0000902         0   0.66667E-02  501670.2 3632761.0   115.7     3.40     6.23
3.16     YES                  NO
 L0000903         0   0.66667E-02  501656.8 3632761.2   115.9     3.40     6.23
3.16     YES                  NO
 L0000904         0   0.66667E-02  501643.4 3632761.4   116.0     3.40     6.23
3.16     YES                  NO
 L0000905         0   0.66667E-02  501630.0 3632761.6   116.2     3.40     6.23
3.16     YES                  NO
 L0000906         0   0.66667E-02  501616.6 3632761.8   116.4     3.40     6.23
3.16     YES                  NO
 L0000907         0   0.66667E-02  501603.2 3632762.0   116.5     3.40     6.23
3.16     YES                  NO
 L0000908         0   0.66667E-02  501589.8 3632762.2   116.7     3.40     6.23
3.16     YES                  NO
 L0000909         0   0.66667E-02  501576.4 3632762.4   116.9     3.40     6.23
3.16     YES                  NO
 L0000928         0   0.10000E+00  503914.3 3634376.2   109.2     3.40     6.23
3.16     YES                  NO
 L0000929         0   0.10000E+00  503927.3 3634373.2   109.2     3.40     6.23
3.16     YES                  NO
 L0000930         0   0.10000E+00  503939.0 3634369.0   109.3     3.40     6.23
3.16     YES                  NO
 L0000931         0   0.10000E+00  503939.6 3634355.6   109.3     3.40     6.23
3.16     YES                  NO
 L0000932         0   0.10000E+00  503940.2 3634342.2   109.3     3.40     6.23
3.16     YES                  NO
 L0000933         0   0.10000E+00  503940.7 3634328.8   109.4     3.40     6.23
3.16     YES                  NO
 L0000934         0   0.10000E+00  503941.3 3634315.5   109.5     3.40     6.23
3.16     YES                  NO
 L0000935         0   0.10000E+00  503941.8 3634302.1   109.5     3.40     6.23
3.16     YES                  NO
 L0000936         0   0.10000E+00  503942.4 3634288.7   109.5     3.40     6.23
3.16     YES                  NO
 L0000937         0   0.10000E+00  503942.9 3634275.3   109.5     3.40     6.23
3.16     YES                  NO
 L0000938         0   0.17544E-01  503881.7 3634377.5   109.3     3.40     6.23
3.16     YES                  NO
 L0000939         0   0.17544E-01  503868.3 3634377.5   109.4     3.40     6.23
3.16     YES                  NO
 L0000940         0   0.17544E-01  503854.9 3634377.4   109.5     3.40     6.23
3.16     YES                  NO
 L0000941         0   0.17544E-01  503841.5 3634377.4   109.4     3.40     6.23
3.16     YES                  NO
 L0000942         0   0.17544E-01  503828.1 3634377.4   109.4     3.40     6.23
3.16     YES                  NO
 L0000943         0   0.17544E-01  503814.7 3634377.3   109.3     3.40     6.23
3.16     YES                  NO
 L0000944         0   0.17544E-01  503801.3 3634377.3   109.2     3.40     6.23
3.16     YES                  NO
```

```
 L0000945         0   0.17544E-01  503787.9 3634377.3   109.2     3.40     6.23
3.16     YES                     NO
 L0000946         0   0.17544E-01  503774.5 3634377.2   109.2     3.40     6.23
3.16     YES                     NO
 L0000947         0   0.17544E-01  503761.1 3634377.2   109.1     3.40     6.23
3.16     YES                     NO
 L0000948         0   0.17544E-01  503747.7 3634377.2   109.1     3.40     6.23
3.16     YES                     NO
 L0000949         0   0.17544E-01  503734.3 3634377.1   109.1     3.40     6.23
3.16     YES                     NO
 L0000950         0   0.17544E-01  503720.9 3634377.1   109.0     3.40     6.23
3.16     YES                     NO
 L0000951         0   0.17544E-01  503707.5 3634377.1   109.0     3.40     6.23
3.16     YES                     NO
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0000952         0   0.17544E-01  503694.1 3634377.0   109.0     3.40     6.23
3.16     YES                     NO
 L0000953         0   0.17544E-01  503680.7 3634377.0   109.0     3.40     6.23
3.16     YES                     NO
 L0000954         0   0.17544E-01  503679.2 3634388.8   109.0     3.40     6.23
3.16     YES                     NO
 L0000955         0   0.17544E-01  503679.4 3634402.2   109.0     3.40     6.23
3.16     YES                     NO
 L0000956         0   0.17544E-01  503679.5 3634415.6   108.8     3.40     6.23
3.16     YES                     NO
 L0000957         0   0.17544E-01  503679.7 3634429.0   108.7     3.40     6.23
3.16     YES                     NO
 L0000958         0   0.17544E-01  503679.8 3634442.4   108.6     3.40     6.23
3.16     YES                     NO
 L0000959         0   0.17544E-01  503680.0 3634455.8   108.5     3.40     6.23
3.16     YES                     NO
```

L0000960	0	0.17544E-01	503680.1	3634469.2	108.5	3.40	6.23	
3.16	YES		NO					
L0000961	0	0.17544E-01	503680.3	3634482.6	108.6	3.40	6.23	
3.16	YES		NO					
L0000962	0	0.17544E-01	503680.5	3634496.0	108.7	3.40	6.23	
3.16	YES		NO					
L0000963	0	0.17544E-01	503680.6	3634509.4	108.7	3.40	6.23	
3.16	YES		NO					
L0000964	0	0.17544E-01	503680.8	3634522.8	108.6	3.40	6.23	
3.16	YES		NO					
L0000965	0	0.17544E-01	503680.9	3634536.2	108.7	3.40	6.23	
3.16	YES		NO					
L0000966	0	0.17544E-01	503681.1	3634549.6	108.7	3.40	6.23	
3.16	YES		NO					
L0000967	0	0.17544E-01	503689.5	3634554.6	108.2	3.40	6.23	
3.16	YES		NO					
L0000968	0	0.17544E-01	503702.9	3634554.7	108.4	3.40	6.23	
3.16	YES		NO					
L0000969	0	0.17544E-01	503716.3	3634554.7	108.3	3.40	6.23	
3.16	YES		NO					
L0000970	0	0.17544E-01	503729.7	3634554.7	108.2	3.40	6.23	
3.16	YES		NO					
L0000971	0	0.17544E-01	503743.1	3634554.8	107.9	3.40	6.23	
3.16	YES		NO					
L0000972	0	0.17544E-01	503756.5	3634554.8	107.7	3.40	6.23	
3.16	YES		NO					
L0000973	0	0.17544E-01	503769.9	3634554.8	107.6	3.40	6.23	
3.16	YES		NO					
L0000974	0	0.17544E-01	503783.3	3634554.9	107.5	3.40	6.23	
3.16	YES		NO					
L0000975	0	0.17544E-01	503796.7	3634554.9	107.5	3.40	6.23	
3.16	YES		NO					
L0000976	0	0.17544E-01	503810.1	3634554.9	107.6	3.40	6.23	
3.16	YES		NO					
L0000977	0	0.17544E-01	503823.5	3634554.9	107.6	3.40	6.23	
3.16	YES		NO					
L0000978	0	0.17544E-01	503836.9	3634555.0	107.8	3.40	6.23	
3.16	YES		NO					
L0000979	0	0.17544E-01	503850.3	3634555.0	108.0	3.40	6.23	
3.16	YES		NO					
L0000980	0	0.17544E-01	503863.7	3634555.0	108.3	3.40	6.23	
3.16	YES		NO					
L0000981	0	0.17544E-01	503877.1	3634555.1	108.3	3.40	6.23	
3.16	YES		NO					
L0000982	0	0.17544E-01	503890.5	3634555.1	108.3	3.40	6.23	
3.16	YES		NO					
L0000983	0	0.17544E-01	503903.9	3634555.1	108.3	3.40	6.23	
3.16	YES		NO					
L0000984	0	0.17544E-01	503906.8	3634544.6	109.0	3.40	6.23	
3.16	YES		NO					

```
 L0000985         0   0.17544E-01  503907.0 3634531.2   109.3     3.40     6.23
3.16     YES                    NO
 L0000986         0   0.17544E-01  503907.1 3634517.8   109.5     3.40     6.23
3.16     YES                    NO
 L0000987         0   0.17544E-01  503907.2 3634504.4   109.5     3.40     6.23
3.16     YES                    NO
 L0000988         0   0.17544E-01  503907.4 3634491.0   109.5     3.40     6.23
3.16     YES                    NO
 L0000989         0   0.17544E-01  503907.5 3634477.6   109.4     3.40     6.23
3.16     YES                    NO
 L0000990         0   0.17544E-01  503907.6 3634464.2   109.4     3.40     6.23
3.16     YES                    NO
 L0000991         0   0.17544E-01  503907.8 3634450.8   109.3     3.40     6.23
3.16     YES                    NO
```



```
                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000992         0   0.17544E-01  503907.9 3634437.4   109.3     3.40     6.23
3.16     YES                    NO
 L0000993         0   0.17544E-01  503908.0 3634424.0   109.3     3.40     6.23
3.16     YES                    NO
 L0000994         0   0.17544E-01  503908.2 3634410.6   109.2     3.40     6.23
3.16     YES                    NO
 L0000995         0   0.56818E-02  503965.0 3634241.6   111.8     3.40     6.23
3.16     YES                    NO
 L0000996         0   0.56818E-02  503974.7 3634250.8   111.4     3.40     6.23
3.16     YES                    NO
 L0000997         0   0.56818E-02  503984.5 3634260.0   111.1     3.40     6.23
3.16     YES                    NO
 L0000998         0   0.56818E-02  503994.2 3634269.2   111.0     3.40     6.23
3.16     YES                    NO
 L0000999         0   0.56818E-02  504004.0 3634278.4   111.2     3.40     6.23
3.16     YES                    NO
```

L0001000	0	0.56818E-02	504013.7	3634287.6	111.3	3.40	6.23	3.16
YES		NO						
L0001001	0	0.56818E-02	504023.5	3634296.8	111.2	3.40	6.23	3.16
YES		NO						
L0001002	0	0.56818E-02	504033.2	3634306.0	111.5	3.40	6.23	3.16
YES		NO						
L0001003	0	0.56818E-02	504043.0	3634315.2	111.5	3.40	6.23	3.16
YES		NO						
L0001004	0	0.56818E-02	504052.8	3634324.4	111.3	3.40	6.23	3.16
YES		NO						
L0001005	0	0.56818E-02	504062.5	3634333.5	111.6	3.40	6.23	3.16
YES		NO						
L0001006	0	0.56818E-02	504072.3	3634342.7	111.5	3.40	6.23	3.16
YES		NO						
L0001007	0	0.56818E-02	504082.0	3634351.9	111.2	3.40	6.23	3.16
YES		NO						
L0001008	0	0.56818E-02	504091.8	3634361.1	111.2	3.40	6.23	3.16
YES		NO						
L0001009	0	0.56818E-02	504101.5	3634370.3	111.2	3.40	6.23	3.16
YES		NO						
L0001010	0	0.56818E-02	504111.3	3634379.5	111.1	3.40	6.23	3.16
YES		NO						
L0001011	0	0.56818E-02	504121.0	3634388.7	111.0	3.40	6.23	3.16
YES		NO						
L0001012	0	0.56818E-02	504130.8	3634397.9	111.1	3.40	6.23	3.16
YES		NO						
L0001013	0	0.56818E-02	504140.5	3634407.1	111.3	3.40	6.23	3.16
YES		NO						
L0001014	0	0.56818E-02	504150.3	3634416.2	111.3	3.40	6.23	3.16
YES		NO						
L0001015	0	0.56818E-02	504160.0	3634425.4	111.3	3.40	6.23	3.16
YES		NO						
L0001016	0	0.56818E-02	504169.8	3634434.6	111.5	3.40	6.23	3.16
YES		NO						
L0001017	0	0.56818E-02	504179.5	3634443.8	111.3	3.40	6.23	3.16
YES		NO						
L0001018	0	0.56818E-02	504189.3	3634453.0	111.3	3.40	6.23	3.16
YES		NO						
L0001019	0	0.56818E-02	504199.0	3634462.2	111.4	3.40	6.23	3.16
YES		NO						
L0001020	0	0.56818E-02	504208.8	3634471.4	111.1	3.40	6.23	3.16
YES		NO						
L0001021	0	0.56818E-02	504218.5	3634480.6	111.1	3.40	6.23	3.16
YES		NO						
L0001022	0	0.56818E-02	504228.3	3634489.8	111.2	3.40	6.23	3.16
YES		NO						
L0001023	0	0.56818E-02	504238.1	3634498.9	111.1	3.40	6.23	3.16
YES		NO						
L0001024	0	0.56818E-02	504247.8	3634508.1	111.1	3.40	6.23	3.16
YES		NO						

```
 L0001025         0   0.56818E-02  504257.6 3634517.3   111.2     3.40     6.23
3.16     YES                    NO
 L0001026         0   0.56818E-02  504267.3 3634526.5   111.3     3.40     6.23
3.16     YES                    NO
 L0001027         0   0.56818E-02  504277.1 3634535.7   111.3     3.40     6.23
3.16     YES                    NO
 L0001028         0   0.56818E-02  504286.8 3634544.9   111.3     3.40     6.23
3.16     YES                    NO
 L0001029         0   0.56818E-02  504296.6 3634554.1   111.3     3.40     6.23
3.16     YES                    NO
 L0001030         0   0.56818E-02  504306.3 3634563.3   111.3     3.40     6.23
3.16     YES                    NO
 L0001031         0   0.56818E-02  504316.1 3634572.5   111.2     3.40     6.23
3.16     YES                    NO
```



```
                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0001032         0   0.56818E-02  504325.8 3634581.7   111.3     3.40     6.23
3.16     YES                    NO
 L0001033         0   0.56818E-02  504335.6 3634590.8   111.2     3.40     6.23
3.16     YES                    NO
 L0001034         0   0.56818E-02  504345.3 3634600.0   111.2     3.40     6.23
3.16     YES                    NO
 L0001035         0   0.56818E-02  504355.1 3634609.2   111.3     3.40     6.23
3.16     YES                    NO
 L0001036         0   0.56818E-02  504364.8 3634618.4   111.4     3.40     6.23
3.16     YES                    NO
 L0001037         0   0.56818E-02  504374.6 3634627.6   111.5     3.40     6.23
3.16     YES                    NO
 L0001038         0   0.56818E-02  504384.3 3634636.8   111.5     3.40     6.23
3.16     YES                    NO
 L0001039         0   0.56818E-02  504394.1 3634646.0   111.6     3.40     6.23
3.16     YES                    NO
```

L0001040	0	0.56818E-02	504403.8	3634655.2	111.7	3.40	6.23	
3.16	YES	NO						
L0001041	0	0.56818E-02	504413.6	3634664.4	111.8	3.40	6.23	
3.16	YES	NO						
L0001042	0	0.56818E-02	504423.4	3634673.5	111.8	3.40	6.23	
3.16	YES	NO						
L0001043	0	0.56818E-02	504433.1	3634682.7	111.8	3.40	6.23	
3.16	YES	NO						
L0001044	0	0.56818E-02	504442.9	3634691.9	111.9	3.40	6.23	
3.16	YES	NO						
L0001045	0	0.56818E-02	504452.6	3634701.1	112.0	3.40	6.23	
3.16	YES	NO						
L0001046	0	0.56818E-02	504462.4	3634710.3	112.0	3.40	6.23	
3.16	YES	NO						
L0001047	0	0.56818E-02	504472.1	3634719.5	112.0	3.40	6.23	
3.16	YES	NO						
L0001048	0	0.56818E-02	504481.9	3634728.7	112.1	3.40	6.23	
3.16	YES	NO						
L0001049	0	0.56818E-02	504491.6	3634737.9	112.1	3.40	6.23	
3.16	YES	NO						
L0001050	0	0.56818E-02	504501.4	3634747.1	112.1	3.40	6.23	
3.16	YES	NO						
L0001051	0	0.56818E-02	504511.1	3634756.2	112.2	3.40	6.23	
3.16	YES	NO						
L0001052	0	0.56818E-02	504520.9	3634765.4	112.2	3.40	6.23	
3.16	YES	NO						
L0001053	0	0.56818E-02	504530.6	3634774.6	112.2	3.40	6.23	
3.16	YES	NO						
L0001054	0	0.56818E-02	504540.1	3634784.1	112.2	3.40	6.23	
3.16	YES	NO						
L0001055	0	0.56818E-02	504548.9	3634794.2	112.2	3.40	6.23	
3.16	YES	NO						
L0001056	0	0.56818E-02	504557.6	3634804.4	112.2	3.40	6.23	
3.16	YES	NO						
L0001057	0	0.56818E-02	504566.3	3634814.6	112.3	3.40	6.23	
3.16	YES	NO						
L0001058	0	0.56818E-02	504575.1	3634824.7	112.3	3.40	6.23	
3.16	YES	NO						
L0001059	0	0.56818E-02	504583.8	3634834.9	112.4	3.40	6.23	
3.16	YES	NO						
L0001060	0	0.56818E-02	504592.5	3634845.1	112.4	3.40	6.23	
3.16	YES	NO						
L0001061	0	0.56818E-02	504601.2	3634855.2	112.4	3.40	6.23	
3.16	YES	NO						
L0001062	0	0.56818E-02	504610.0	3634865.4	112.5	3.40	6.23	
3.16	YES	NO						
L0001063	0	0.56818E-02	504618.7	3634875.6	112.6	3.40	6.23	
3.16	YES	NO						
L0001064	0	0.56818E-02	504627.4	3634885.7	112.8	3.40	6.23	
3.16	YES	NO						

```
 L0001065         0   0.56818E-02  504636.1 3634895.9   112.9     3.40     6.23
3.16     YES                    NO
 L0001066         0   0.56818E-02  504644.9 3634906.1   113.2     3.40     6.23
3.16     YES                    NO
 L0001067         0   0.56818E-02  504653.6 3634916.2   113.5     3.40     6.23
3.16     YES                    NO
 L0001068         0   0.56818E-02  504662.3 3634926.4   113.7     3.40     6.23
3.16     YES                    NO
 L0001069         0   0.56818E-02  504671.1 3634936.6   114.1     3.40     6.23
3.16     YES                    NO
 L0001070         0   0.56818E-02  504679.8 3634946.7   114.4     3.40     6.23
3.16     YES                    NO
 L0001071         0   0.56818E-02  504688.5 3634956.9   114.8     3.40     6.23
3.16     YES                    NO
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY	AIRCRAFT
L0001072	0	0.56818E-02	504697.2	3634967.1	115.2	3.40	6.23	3.16	YES	NO	
L0001073	0	0.56818E-02	504706.0	3634977.2	115.6	3.40	6.23	3.16	YES	NO	
L0001074	0	0.56818E-02	504714.7	3634987.4	116.0	3.40	6.23	3.16	YES	NO	
L0001075	0	0.56818E-02	504723.4	3634997.6	116.5	3.40	6.23	3.16	YES	NO	
L0001076	0	0.56818E-02	504732.2	3635007.7	116.9	3.40	6.23	3.16	YES	NO	
L0001077	0	0.56818E-02	504740.9	3635017.9	117.3	3.40	6.23	3.16	YES	NO	
L0001078	0	0.56818E-02	504749.6	3635028.1	117.9	3.40	6.23	3.16	YES	NO	
L0001079	0	0.56818E-02	504758.3	3635038.2	118.3	3.40	6.23	3.16	YES	NO	

L0001080	0	0.56818E-02	504767.1	3635048.4	118.6	3.40	6.23	3.16
YES		NO						
L0001081	0	0.56818E-02	504775.8	3635058.6	119.2	3.40	6.23	3.16
YES		NO						
L0001082	0	0.56818E-02	504784.5	3635068.7	119.5	3.40	6.23	3.16
YES		NO						
L0001083	0	0.56818E-02	504794.3	3635077.9	119.6	3.40	6.23	3.16
YES		NO						
L0001084	0	0.56818E-02	504804.5	3635086.5	120.0	3.40	6.23	3.16
YES		NO						
L0001085	0	0.56818E-02	504814.8	3635095.1	120.1	3.40	6.23	3.16
YES		NO						
L0001086	0	0.56818E-02	504825.0	3635103.8	120.1	3.40	6.23	3.16
YES		NO						
L0001087	0	0.56818E-02	504835.3	3635112.4	120.6	3.40	6.23	3.16
YES		NO						
L0001088	0	0.56818E-02	504845.5	3635121.1	120.9	3.40	6.23	3.16
YES		NO						
L0001089	0	0.56818E-02	504855.8	3635129.7	121.1	3.40	6.23	3.16
YES		NO						
L0001090	0	0.56818E-02	504866.0	3635138.3	121.5	3.40	6.23	3.16
YES		NO						
L0001091	0	0.56818E-02	504876.2	3635147.0	121.9	3.40	6.23	3.16
YES		NO						
L0001092	0	0.56818E-02	504886.5	3635155.6	121.9	3.40	6.23	3.16
YES		NO						
L0001093	0	0.56818E-02	504896.7	3635164.3	121.8	3.40	6.23	3.16
YES		NO						
L0001094	0	0.56818E-02	504907.0	3635172.9	122.0	3.40	6.23	3.16
YES		NO						
L0001095	0	0.56818E-02	504917.2	3635181.5	122.5	3.40	6.23	3.16
YES		NO						
L0001096	0	0.56818E-02	504927.4	3635190.2	122.3	3.40	6.23	3.16
YES		NO						
L0001097	0	0.56818E-02	504937.7	3635198.8	119.1	3.40	6.23	3.16
YES		NO						
L0001098	0	0.56818E-02	504947.9	3635207.5	115.1	3.40	6.23	3.16
YES		NO						
L0001099	0	0.56818E-02	504959.8	3635213.2	116.4	3.40	6.23	3.16
YES		NO						
L0001100	0	0.56818E-02	504972.5	3635217.4	120.5	3.40	6.23	3.16
YES		NO						
L0001101	0	0.56818E-02	504985.3	3635221.5	122.4	3.40	6.23	3.16
YES		NO						
L0001102	0	0.56818E-02	504998.0	3635225.7	122.5	3.40	6.23	3.16
YES		NO						
L0001103	0	0.56818E-02	505010.7	3635229.9	122.2	3.40	6.23	3.16
YES		NO						
L0001104	0	0.56818E-02	505023.5	3635234.0	122.1	3.40	6.23	3.16
YES		NO						

```
 L0001105         0   0.56818E-02  505036.2 3635238.2   122.2     3.40     6.23
3.16     YES                    NO
 L0001106         0   0.56818E-02  505048.9 3635242.4   122.2     3.40     6.23
3.16     YES                    NO
 L0001107         0   0.56818E-02  505061.7 3635246.5   122.0     3.40     6.23
3.16     YES                    NO
 L0001108         0   0.56818E-02  505074.4 3635250.7   121.8     3.40     6.23
3.16     YES                    NO
 L0001109         0   0.56818E-02  505087.2 3635254.5   121.4     3.40     6.23
3.16     YES                    NO
 L0001110         0   0.56818E-02  505100.5 3635256.3   120.8     3.40     6.23
3.16     YES                    NO
 L0001111         0   0.56818E-02  505113.8 3635258.1   120.5     3.40     6.23
3.16     YES                    NO
```



```
                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0001112         0   0.56818E-02  505127.1 3635260.0   120.2     3.40     6.23
3.16     YES                    NO
 L0001113         0   0.56818E-02  505140.3 3635261.8   120.0     3.40     6.23
3.16     YES                    NO
 L0001114         0   0.56818E-02  505153.6 3635263.6   119.8     3.40     6.23
3.16     YES                    NO
 L0001115         0   0.56818E-02  505166.9 3635265.5   119.6     3.40     6.23
3.16     YES                    NO
 L0001116         0   0.56818E-02  505180.2 3635267.3   119.3     3.40     6.23
3.16     YES                    NO
 L0001117         0   0.56818E-02  505193.4 3635269.1   118.9     3.40     6.23
3.16     YES                    NO
 L0001118         0   0.56818E-02  505206.7 3635270.9   118.5     3.40     6.23
3.16     YES                    NO
 L0001119         0   0.56818E-02  505220.0 3635272.8   118.0     3.40     6.23
3.16     YES                    NO
```

L0001120	0	0.56818E-02	505233.3	3635274.6	117.6	3.40	6.23	
3.16	YES	NO						
L0001121	0	0.56818E-02	505246.5	3635276.4	117.2	3.40	6.23	
3.16	YES	NO						
L0001122	0	0.56818E-02	505259.8	3635278.3	116.9	3.40	6.23	
3.16	YES	NO						
L0001123	0	0.56818E-02	505273.1	3635280.1	116.5	3.40	6.23	
3.16	YES	NO						
L0001124	0	0.56818E-02	505286.4	3635281.9	116.2	3.40	6.23	
3.16	YES	NO						
L0001125	0	0.56818E-02	505299.6	3635283.7	116.0	3.40	6.23	
3.16	YES	NO						
L0001126	0	0.56818E-02	505312.9	3635285.6	115.7	3.40	6.23	
3.16	YES	NO						
L0001127	0	0.56818E-02	505326.2	3635287.4	115.5	3.40	6.23	
3.16	YES	NO						
L0001128	0	0.56818E-02	505339.5	3635289.2	115.4	3.40	6.23	
3.16	YES	NO						
L0001129	0	0.56818E-02	505352.7	3635291.1	115.3	3.40	6.23	
3.16	YES	NO						
L0001130	0	0.56818E-02	505366.0	3635292.9	115.2	3.40	6.23	
3.16	YES	NO						
L0001131	0	0.56818E-02	505379.3	3635294.7	115.2	3.40	6.23	
3.16	YES	NO						
L0001132	0	0.56818E-02	505392.6	3635296.5	115.3	3.40	6.23	
3.16	YES	NO						
L0001133	0	0.56818E-02	505405.8	3635298.4	115.4	3.40	6.23	
3.16	YES	NO						
L0001134	0	0.56818E-02	505419.1	3635300.2	115.5	3.40	6.23	
3.16	YES	NO						
L0001135	0	0.56818E-02	505432.4	3635302.0	115.7	3.40	6.23	
3.16	YES	NO						
L0001136	0	0.56818E-02	505445.7	3635303.9	115.8	3.40	6.23	
3.16	YES	NO						
L0001137	0	0.56818E-02	505458.9	3635305.7	115.8	3.40	6.23	
3.16	YES	NO						
L0001138	0	0.56818E-02	505472.2	3635307.5	115.9	3.40	6.23	
3.16	YES	NO						
L0001139	0	0.56818E-02	505485.5	3635309.3	115.9	3.40	6.23	
3.16	YES	NO						
L0001140	0	0.56818E-02	505498.8	3635311.2	116.0	3.40	6.23	
3.16	YES	NO						
L0001141	0	0.56818E-02	505512.0	3635313.0	116.1	3.40	6.23	
3.16	YES	NO						
L0001142	0	0.56818E-02	505525.3	3635314.8	116.2	3.40	6.23	
3.16	YES	NO						
L0001143	0	0.56818E-02	505538.6	3635316.7	116.2	3.40	6.23	
3.16	YES	NO						
L0001144	0	0.56818E-02	505551.9	3635318.5	116.1	3.40	6.23	
3.16	YES	NO						

```
 L0001145         0   0.56818E-02  505565.1 3635320.3   116.1     3.40     6.23
3.16     YES                    NO
 L0001146         0   0.56818E-02  505578.4 3635322.1   116.0     3.40     6.23
3.16     YES                    NO
 L0001147         0   0.56818E-02  505591.7 3635324.0   115.8     3.40     6.23
3.16     YES                    NO
 L0001148         0   0.56818E-02  505604.9 3635325.8   115.8     3.40     6.23
3.16     YES                    NO
 L0001149         0   0.56818E-02  505618.2 3635327.6   115.9     3.40     6.23
3.16     YES                    NO
 L0001150         0   0.56818E-02  505631.5 3635329.5   116.1     3.40     6.23
3.16     YES                    NO
 L0001151         0   0.56818E-02  505644.8 3635331.3   116.3     3.40     6.23
3.16     YES                    NO
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY	AIRCRAFT
L0001152	0	0.56818E-02	505658.0	3635333.1	116.5	3.40	6.23	3.16	YES	NO	
L0001153	0	0.56818E-02	505671.0	3635336.3	116.7	3.40	6.23	3.16	YES	NO	
L0001154	0	0.56818E-02	505683.9	3635340.2	116.8	3.40	6.23	3.16	YES	NO	
L0001155	0	0.56818E-02	505696.7	3635344.1	116.9	3.40	6.23	3.16	YES	NO	
L0001156	0	0.56818E-02	505709.5	3635348.0	116.8	3.40	6.23	3.16	YES	NO	
L0001157	0	0.56818E-02	505722.3	3635351.9	116.6	3.40	6.23	3.16	YES	NO	
L0001158	0	0.56818E-02	505735.1	3635355.8	116.4	3.40	6.23	3.16	YES	NO	
L0001159	0	0.56818E-02	505747.9	3635359.7	116.2	3.40	6.23	3.16	YES	NO	

```
 L0001160         0   0.56818E-02  505760.8 3635363.6   116.3     3.40     6.23
3.16     YES                    NO
 L0001161         0   0.56818E-02  505773.6 3635367.5   116.7     3.40     6.23
3.16     YES                    NO
 L0001162         0   0.56818E-02  505786.4 3635371.4   117.1     3.40     6.23
3.16     YES                    NO
 L0001163         0   0.56818E-02  505799.2 3635375.3   117.2     3.40     6.23
3.16     YES                    NO
 L0001164         0   0.56818E-02  505812.0 3635379.2   117.2     3.40     6.23
3.16     YES                    NO
 L0001165         0   0.56818E-02  505824.8 3635383.1   117.1     3.40     6.23
3.16     YES                    NO
 L0001166         0   0.56818E-02  505837.7 3635387.1   116.8     3.40     6.23
3.16     YES                    NO
 L0001167         0   0.56818E-02  505850.5 3635391.0   116.9     3.40     6.23
3.16     YES                    NO
 L0001168         0   0.56818E-02  505863.3 3635394.9   117.2     3.40     6.23
3.16     YES                    NO
 L0001169         0   0.56818E-02  505876.2 3635398.0   117.4     3.40     6.23
3.16     YES                    NO
 L0001170         0   0.56818E-02  505883.9 3635399.8   117.5     3.40     6.23
3.16     YES                    NO
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                              SOURCE IDs
 -----------                                              ----------


  ENTER      L0000928    , L0000929    , L0000930    , L0000931    , L0000932    ,
L0000933    , L0000934    , L0000935    ,

             L0000936    , L0000937    ,

  FIRE       FIRE        ,

  FORKN      L0000910    , L0000911    , L0000912    , L0000913    , L0000914    ,
L0000915    , L0000916    , L0000917    ,

             L0000918    ,

  FORKS      L0000919    , L0000920    , L0000921    , L0000922    , L0000923    ,
```

L0000924   , L0000925   , L0000926   ,

             L0000927   ,

  IDLEN   L0000001   , L0000002   , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   ,

             L0000009   , L0000010   ,

  IDLES   L0000310   , L0000311   , L0000312   , L0000313   , L0000314   ,
L0000315   , L0000316   , L0000317   ,

             L0000318   , L0000319   ,

  ONSITE   L0000938   , L0000939   , L0000940   , L0000941   , L0000942   ,
L0000943   , L0000944   , L0000945   ,

             L0000946   , L0000947   , L0000948   , L0000949   , L0000950   ,
L0000951   , L0000952   , L0000953   ,

             L0000954   , L0000955   , L0000956   , L0000957   , L0000958   ,
L0000959   , L0000960   , L0000961   ,

             L0000962   , L0000963   , L0000964   , L0000965   , L0000966   ,
L0000967   , L0000968   , L0000969   ,

             L0000970   , L0000971   , L0000972   , L0000973   , L0000974   ,
L0000975   , L0000976   , L0000977   ,

             L0000978   , L0000979   , L0000980   , L0000981   , L0000982   ,
L0000983   , L0000984   , L0000985   ,

             L0000986   , L0000987   , L0000988   , L0000989   , L0000990   ,
L0000991   , L0000992   , L0000993   ,

             L0000994   ,

  TRUCKN   L0000995   , L0000996   , L0000997   , L0000998   , L0000999   ,
L0001000   , L0001001   , L0001002   ,

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 , L0001009 , L0001010 ,
	L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 , L0001017 , L0001018 ,
	L0001019 , L0001020 , L0001021 , L0001022 , L0001023 , L0001024 , L0001025 , L0001026 ,
	L0001027 , L0001028 , L0001029 , L0001030 , L0001031 , L0001032 , L0001033 , L0001034 ,
	L0001035 , L0001036 , L0001037 , L0001038 , L0001039 , L0001040 , L0001041 , L0001042 ,
	L0001043 , L0001044 , L0001045 , L0001046 , L0001047 , L0001048 , L0001049 , L0001050 ,
	L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 , L0001057 , L0001058 ,
	L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 , L0001066 ,
	L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 , L0001073 , L0001074 ,
	L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 , L0001081 , L0001082 ,
	L0001083 , L0001084 , L0001085 , L0001086 , L0001087 , L0001088 , L0001089 , L0001090 ,
	L0001091 , L0001092 , L0001093 , L0001094 , L0001095 , L0001096 , L0001097 , L0001098 ,
	L0001099 , L0001100 , L0001101 , L0001102 , L0001103 , L0001104 , L0001105 , L0001106 ,
	L0001107 , L0001108 , L0001109 , L0001110 , L0001111 , L0001112 , L0001113 , L0001114 ,
	L0001115 , L0001116 , L0001117 , L0001118 , L0001119 , L0001120 , L0001121 , L0001122 ,
	L0001123 , L0001124 , L0001125 , L0001126 , L0001127 ,

L0001128   , L0001129   , L0001130   ,

             L0001131   , L0001132   , L0001133   , L0001134   , L0001135   ,
L0001136   , L0001137   , L0001138   ,

             L0001139   , L0001140   , L0001141   , L0001142   , L0001143   ,
L0001144   , L0001145   , L0001146   ,

             L0001147   , L0001148   , L0001149   , L0001150   , L0001151   ,
L0001152   , L0001153   , L0001154   ,

             L0001155   , L0001156   , L0001157   , L0001158   , L0001159   ,
L0001160   , L0001161   , L0001162   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
 -----------   ----------

             L0001163   , L0001164   , L0001165   , L0001166   , L0001167   ,
L0001168   , L0001169   , L0001170   ,

  TRUCKS   L0000595   , L0000596   , L0000597   , L0000598   , L0000599   ,
L0000600   , L0000601   , L0000602   ,

             L0000603   , L0000604   , L0000605   , L0000606   , L0000607   ,
L0000608   , L0000609   , L0000610   ,

             L0000611   , L0000612   , L0000613   , L0000614   , L0000615   ,
L0000616   , L0000617   , L0000618   ,

             L0000619   , L0000620   , L0000621   , L0000622   , L0000623   ,
L0000624   , L0000625   , L0000626   ,

             L0000627   , L0000628   , L0000629   , L0000630   , L0000631   ,
L0000632   , L0000633   , L0000634   ,

             L0000635   , L0000636   , L0000637   , L0000638   , L0000639   ,
L0000640   , L0000641   , L0000642   ,

             L0000643   , L0000644   , L0000645   , L0000646   , L0000647   ,

L0000648   , L0000649   , L0000650   ,

             L0000651   , L0000652   , L0000653   , L0000654   , L0000655   ,
L0000656   , L0000657   , L0000658   ,

             L0000659   , L0000660   , L0000661   , L0000662   , L0000663   ,
L0000664   , L0000665   , L0000666   ,

             L0000667   , L0000668   , L0000669   , L0000670   , L0000671   ,
L0000672   , L0000673   , L0000674   ,

             L0000675   , L0000676   , L0000677   , L0000678   , L0000679   ,
L0000680   , L0000681   , L0000682   ,

             L0000683   , L0000684   , L0000685   , L0000686   , L0000687   ,
L0000688   , L0000689   , L0000690   ,

             L0000691   , L0000692   , L0000693   , L0000694   , L0000695   ,
L0000696   , L0000697   , L0000698   ,

             L0000699   , L0000700   , L0000701   , L0000702   ,

  TRUCKW   L0000760   , L0000761   , L0000762   , L0000763   , L0000764   ,
L0000765   , L0000766   , L0000767   ,

             L0000768   , L0000769   , L0000770   , L0000771   , L0000772   ,
L0000773   , L0000774   , L0000775   ,

             L0000776   , L0000777   , L0000778   , L0000779   , L0000780   ,
L0000781   , L0000782   , L0000783   ,

             L0000784   , L0000785   , L0000786   , L0000787   , L0000788   ,
L0000789   , L0000790   , L0000791   ,

             L0000792   , L0000793   , L0000794   , L0000795   , L0000796   ,
L0000797   , L0000798   , L0000799   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
 -----------   ----------

L0000800 , L0000801 , L0000802 , L0000803 , L0000804 ,
L0000805 , L0000806 , L0000807 ,

L0000808 , L0000809 , L0000810 , L0000811 , L0000812 ,
L0000813 , L0000814 , L0000815 ,

L0000816 , L0000817 , L0000818 , L0000819 , L0000820 ,
L0000821 , L0000822 , L0000823 ,

L0000824 , L0000825 , L0000826 , L0000827 , L0000828 ,
L0000829 , L0000830 , L0000831 ,

L0000832 , L0000833 , L0000834 , L0000835 , L0000836 ,
L0000837 , L0000838 , L0000839 ,

L0000840 , L0000841 , L0000842 , L0000843 , L0000844 ,
L0000845 , L0000846 , L0000847 ,

L0000848 , L0000849 , L0000850 , L0000851 , L0000852 ,
L0000853 , L0000854 , L0000855 ,

L0000856 , L0000857 , L0000858 , L0000859 , L0000860 ,
L0000861 , L0000862 , L0000863 ,

L0000864 , L0000865 , L0000866 , L0000867 , L0000868 ,
L0000869 , L0000870 , L0000871 ,

L0000872 , L0000873 , L0000874 , L0000875 , L0000876 ,
L0000877 , L0000878 , L0000879 ,

L0000880 , L0000881 , L0000882 , L0000883 , L0000884 ,
L0000885 , L0000886 , L0000887 ,

L0000888 , L0000889 , L0000890 , L0000891 , L0000892 ,
L0000893 , L0000894 , L0000895 ,

L0000896 , L0000897 , L0000898 , L0000899 , L0000900 ,
L0000901 , L0000902 , L0000903 ,

L0000904 , L0000905 , L0000906 , L0000907 , L0000908 ,
L0000909 ,

ALL L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 ,

L0000009 , L0000010 , L0000310 , L0000311 , L0000312 ,
L0000313 , L0000314 , L0000315 ,

L0000316 , L0000317 , L0000318 , L0000319 , L0000910 ,

L0000911   , L0000912   , L0000913   ,

             L0000914   , L0000915   , L0000916   , L0000917   , L0000918   ,
L0000919   , L0000920   , L0000921   ,

             L0000922   , L0000923   , L0000924   , L0000925   , L0000926   ,
L0000927   , L0000595   , L0000596   ,

             L0000597   , L0000598   , L0000599   , L0000600   , L0000601   ,
L0000602   , L0000603   , L0000604   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
 -----------   ----------

             L0000605   , L0000606   , L0000607   , L0000608   , L0000609   ,
L0000610   , L0000611   , L0000612   ,

             L0000613   , L0000614   , L0000615   , L0000616   , L0000617   ,
L0000618   , L0000619   , L0000620   ,

             L0000621   , L0000622   , L0000623   , L0000624   , L0000625   ,
L0000626   , L0000627   , L0000628   ,

             L0000629   , L0000630   , L0000631   , L0000632   , L0000633   ,
L0000634   , L0000635   , L0000636   ,

             L0000637   , L0000638   , L0000639   , L0000640   , L0000641   ,
L0000642   , L0000643   , L0000644   ,

             L0000645   , L0000646   , L0000647   , L0000648   , L0000649   ,
L0000650   , L0000651   , L0000652   ,

             L0000653   , L0000654   , L0000655   , L0000656   , L0000657   ,
L0000658   , L0000659   , L0000660   ,

             L0000661   , L0000662   , L0000663   , L0000664   , L0000665   ,
L0000666   , L0000667   , L0000668   ,

             L0000669   , L0000670   , L0000671   , L0000672   , L0000673   ,

L0000674   , L0000675   , L0000676   ,

             L0000677   , L0000678   , L0000679   , L0000680   , L0000681   ,
L0000682   , L0000683   , L0000684   ,

             L0000685   , L0000686   , L0000687   , L0000688   , L0000689   ,
L0000690   , L0000691   , L0000692   ,

             L0000693   , L0000694   , L0000695   , L0000696   , L0000697   ,
L0000698   , L0000699   , L0000700   ,

             L0000701   , L0000702   , L0000760   , L0000761   , L0000762   ,
L0000763   , L0000764   , L0000765   ,

             L0000766   , L0000767   , L0000768   , L0000769   , L0000770   ,
L0000771   , L0000772   , L0000773   ,

             L0000774   , L0000775   , L0000776   , L0000777   , L0000778   ,
L0000779   , L0000780   , L0000781   ,

             L0000782   , L0000783   , L0000784   , L0000785   , L0000786   ,
L0000787   , L0000788   , L0000789   ,

             L0000790   , L0000791   , L0000792   , L0000793   , L0000794   ,
L0000795   , L0000796   , L0000797   ,

             L0000798   , L0000799   , L0000800   , L0000801   , L0000802   ,
L0000803   , L0000804   , L0000805   ,

             L0000806   , L0000807   , L0000808   , L0000809   , L0000810   ,
L0000811   , L0000812   , L0000813   ,

             L0000814   , L0000815   , L0000816   , L0000817   , L0000818   ,
L0000819   , L0000820   , L0000821   ,

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
 -----------   ----------

             L0000822   , L0000823   , L0000824   , L0000825   , L0000826   ,

L0000827 , L0000828 , L0000829 ,

L0000830 , L0000831 , L0000832 , L0000833 , L0000834 ,
L0000835 , L0000836 , L0000837 ,

L0000838 , L0000839 , L0000840 , L0000841 , L0000842 ,
L0000843 , L0000844 , L0000845 ,

L0000846 , L0000847 , L0000848 , L0000849 , L0000850 ,
L0000851 , L0000852 , L0000853 ,

L0000854 , L0000855 , L0000856 , L0000857 , L0000858 ,
L0000859 , L0000860 , L0000861 ,

L0000862 , L0000863 , L0000864 , L0000865 , L0000866 ,
L0000867 , L0000868 , L0000869 ,

L0000870 , L0000871 , L0000872 , L0000873 , L0000874 ,
L0000875 , L0000876 , L0000877 ,

L0000878 , L0000879 , L0000880 , L0000881 , L0000882 ,
L0000883 , L0000884 , L0000885 ,

L0000886 , L0000887 , L0000888 , L0000889 , L0000890 ,
L0000891 , L0000892 , L0000893 ,

L0000894 , L0000895 , L0000896 , L0000897 , L0000898 ,
L0000899 , L0000900 , L0000901 ,

L0000902 , L0000903 , L0000904 , L0000905 , L0000906 ,
L0000907 , L0000908 , L0000909 ,

FIRE , L0000928 , L0000929 , L0000930 , L0000931 ,
L0000932 , L0000933 , L0000934 ,

L0000935 , L0000936 , L0000937 , L0000938 , L0000939 ,
L0000940 , L0000941 , L0000942 ,

L0000943 , L0000944 , L0000945 , L0000946 , L0000947 ,
L0000948 , L0000949 , L0000950 ,

L0000951 , L0000952 , L0000953 , L0000954 , L0000955 ,
L0000956 , L0000957 , L0000958 ,

L0000959 , L0000960 , L0000961 , L0000962 , L0000963 ,
L0000964 , L0000965 , L0000966 ,

L0000967 , L0000968 , L0000969 , L0000970 , L0000971 ,
L0000972 , L0000973 , L0000974 ,

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0000999 , L0001000 , L0001001 , L0001002 , L0001003 ,
L0001004 , L0001005 , L0001006 ,

L0001007 , L0001008 , L0001009 , L0001010 , L0001011 ,
L0001012 , L0001013 , L0001014 ,

L0001015 , L0001016 , L0001017 , L0001018 , L0001019 ,
L0001020 , L0001021 , L0001022 ,

L0001023 , L0001024 , L0001025 , L0001026 , L0001027 ,
L0001028 , L0001029 , L0001030 ,

L0001031 , L0001032 , L0001033 , L0001034 , L0001035 ,
L0001036 , L0001037 , L0001038 ,

L0001039 , L0001040 , L0001041 , L0001042 , L0001043 ,
L0001044 , L0001045 , L0001046 ,

L0001047 , L0001048 , L0001049 , L0001050 , L0001051 ,
L0001052 , L0001053 , L0001054 ,

L0001055 , L0001056 , L0001057 , L0001058 , L0001059 ,
L0001060 , L0001061 , L0001062 ,

L0001063 , L0001064 , L0001065 , L0001066 , L0001067 ,
L0001068 , L0001069 , L0001070 ,

L0001071 , L0001072 , L0001073 , L0001074 , L0001075 ,
L0001076 , L0001077 , L0001078 ,

L0001079 , L0001080 , L0001081 , L0001082 , L0001083 ,
L0001084 , L0001085 , L0001086 ,

L0001087 , L0001088 , L0001089 , L0001090 , L0001091 ,
L0001092 , L0001093 , L0001094 ,

L0001095 , L0001096 , L0001097 , L0001098 , L0001099 ,
L0001100 , L0001101 , L0001102 ,

L0001103 , L0001104 , L0001105 , L0001106 , L0001107 ,
L0001108 , L0001109 , L0001110 ,

L0001111 , L0001112 , L0001113 , L0001114 , L0001115 ,
L0001116 , L0001117 , L0001118 ,

L0001119 , L0001120 , L0001121 , L0001122 , L0001123 ,
L0001124 , L0001125 , L0001126 ,

L0001127 , L0001128 , L0001129 , L0001130 , L0001131 ,
L0001132 , L0001133 , L0001134 ,

L0001135 , L0001136 , L0001137 , L0001138 , L0001139 ,
L0001140 , L0001141 , L0001142 ,

L0001143 , L0001144 , L0001145 , L0001146 , L0001147 ,
L0001148 , L0001149 , L0001150 ,

L0001151 , L0001152 , L0001153 , L0001154 , L0001155 ,
L0001156 , L0001157 , L0001158 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
L0001159 , L0001160 , L0001161 , L0001162 , L0001163 , L0001164 , L0001165 , L0001166 ,	

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

             3276208.   L0000001   , L0000002   , L0000003   , L0000004   ,
L0000005   , L0000006   , L0000007   ,
 L0000008   ,

             L0000009   , L0000010   , L0000310   , L0000311   , L0000312   ,
L0000313   , L0000314   , L0000315   ,

             L0000316   , L0000317   , L0000318   , L0000319   , L0000910   ,
L0000911   , L0000912   , L0000913   ,

             L0000914   , L0000915   , L0000916   , L0000917   , L0000918   ,
L0000919   , L0000920   , L0000921   ,

             L0000922   , L0000923   , L0000924   , L0000925   , L0000926   ,
L0000927   , L0000595   , L0000596   ,

             L0000597   , L0000598   , L0000599   , L0000600   , L0000601   ,
L0000602   , L0000603   , L0000604   ,

             L0000605   , L0000606   , L0000607   , L0000608   , L0000609   ,
L0000610   , L0000611   , L0000612   ,

             L0000613   , L0000614   , L0000615   , L0000616   , L0000617   ,
L0000618   , L0000619   , L0000620   ,

             L0000621   , L0000622   , L0000623   , L0000624   , L0000625   ,
L0000626   , L0000627   , L0000628   ,

             L0000629   , L0000630   , L0000631   , L0000632   , L0000633   ,
L0000634   , L0000635   , L0000636   ,

             L0000637   , L0000638   , L0000639   , L0000640   , L0000641   ,
L0000642   , L0000643   , L0000644   ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0000774 , L0000775 , L0000776 , L0000777 , L0000778 ,
L0000779 , L0000780 , L0000781 ,

L0000782 , L0000783 , L0000784 , L0000785 , L0000786 ,
L0000787 , L0000788 , L0000789 ,

L0000790 , L0000791 , L0000792 , L0000793 , L0000794 ,

L0000795 , L0000796 , L0000797 ,

L0000798 , L0000799 , L0000800 , L0000801 , L0000802 ,
L0000803 , L0000804 , L0000805 ,

L0000806 , L0000807 , L0000808 , L0000809 , L0000810 ,
L0000811 , L0000812 , L0000813 ,

L0000814 , L0000815 , L0000816 , L0000817 , L0000818 ,
L0000819 , L0000820 , L0000821 ,

L0000822 , L0000823 , L0000824 , L0000825 , L0000826 ,
L0000827 , L0000828 , L0000829 ,

L0000830 , L0000831 , L0000832 , L0000833 , L0000834 ,
L0000835 , L0000836 , L0000837 ,

L0000838 , L0000839 , L0000840 , L0000841 , L0000842 ,
L0000843 , L0000844 , L0000845 ,

L0000846 , L0000847 , L0000848 , L0000849 , L0000850 ,
L0000851 , L0000852 , L0000853 ,

L0000854 , L0000855 , L0000856 , L0000857 , L0000858 ,
L0000859 , L0000860 , L0000861 ,

L0000862 , L0000863 , L0000864 , L0000865 , L0000866 ,
L0000867 , L0000868 , L0000869 ,

L0000870 , L0000871 , L0000872 , L0000873 , L0000874 ,
L0000875 , L0000876 , L0000877 ,

L0000878 , L0000879 , L0000880 , L0000881 , L0000882 ,
L0000883 , L0000884 , L0000885 ,

L0000886 , L0000887 , L0000888 , L0000889 , L0000890 ,
L0000891 , L0000892 , L0000893 ,

L0000894 , L0000895 , L0000896 , L0000897 , L0000898 ,
L0000899 , L0000900 , L0000901 ,

L0000902 , L0000903 , L0000904 , L0000905 , L0000906 ,
L0000907 , L0000908 , L0000909 ,

FIRE , L0000928 , L0000929 , L0000930 , L0000931 ,
L0000932 , L0000933 , L0000934 ,

L0000935 , L0000936 , L0000937 , L0000938 , L0000939 ,
L0000940 , L0000941 , L0000942 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000951 , L0000952 , L0000953 , L0000954 , L0000955 ,
L0000956 , L0000957 , L0000958 ,

L0000959 , L0000960 , L0000961 , L0000962 , L0000963 ,
L0000964 , L0000965 , L0000966 ,

L0000967 , L0000968 , L0000969 , L0000970 , L0000971 ,
L0000972 , L0000973 , L0000974 ,

L0000975 , L0000976 , L0000977 , L0000978 , L0000979 ,
L0000980 , L0000981 , L0000982 ,

L0000983 , L0000984 , L0000985 , L0000986 , L0000987 ,
L0000988 , L0000989 , L0000990 ,

L0000991 , L0000992 , L0000993 , L0000994 , L0000995 ,
L0000996 , L0000997 , L0000998 ,

L0000999 , L0001000 , L0001001 , L0001002 , L0001003 ,
L0001004 , L0001005 , L0001006 ,

L0001007 , L0001008 , L0001009 , L0001010 , L0001011 ,
L0001012 , L0001013 , L0001014 ,

L0001015 , L0001016 , L0001017 , L0001018 , L0001019 ,
L0001020 , L0001021 , L0001022 ,

L0001023 , L0001024 , L0001025 , L0001026 , L0001027 ,
L0001028 , L0001029 , L0001030 ,

L0001031 , L0001032 , L0001033 , L0001034 , L0001035 ,
L0001036 , L0001037 , L0001038 ,

```
             L0001039    , L0001040    , L0001041    , L0001042    , L0001043    ,
L0001044    , L0001045    , L0001046    ,

             L0001047    , L0001048    , L0001049    , L0001050    , L0001051    ,
L0001052    , L0001053    , L0001054    ,

             L0001055    , L0001056    , L0001057    , L0001058    , L0001059    ,
L0001060    , L0001061    , L0001062    ,

             L0001063    , L0001064    , L0001065    , L0001066    , L0001067    ,
L0001068    , L0001069    , L0001070    ,

             L0001071    , L0001072    , L0001073    , L0001074    , L0001075    ,
L0001076    , L0001077    , L0001078    ,

             L0001079    , L0001080    , L0001081    , L0001082    , L0001083    ,
L0001084    , L0001085    , L0001086    ,

             L0001087    , L0001088    , L0001089    , L0001090    , L0001091    ,
L0001092    , L0001093    , L0001094    ,

             L0001095    , L0001096    , L0001097    , L0001098    , L0001099    ,
L0001100    , L0001101    , L0001102    ,

             L0001103    , L0001104    , L0001105    , L0001106    , L0001107    ,
L0001108    , L0001109    , L0001110    ,
```

```
                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP                                    SOURCE IDs
  --------   ---------                                    ----------


             L0001111    , L0001112    , L0001113    , L0001114    , L0001115    ,
L0001116    , L0001117    , L0001118    ,

             L0001119    , L0001120    , L0001121    , L0001122    , L0001123    ,
L0001124    , L0001125    , L0001126    ,

             L0001127    , L0001128    , L0001129    , L0001130    , L0001131    ,
```

L0001132   , L0001133   , L0001134   ,

             L0001135   , L0001136   , L0001137   , L0001138   , L0001139   ,
L0001140   , L0001141   , L0001142   ,

             L0001143   , L0001144   , L0001145   , L0001146   , L0001147   ,
L0001148   , L0001149   , L0001150   ,

             L0001151   , L0001152   , L0001153   , L0001154   , L0001155   ,
L0001156   , L0001157   , L0001158   ,

             L0001159   , L0001160   , L0001161   , L0001162   , L0001163   ,
L0001164   , L0001165   , L0001166   ,

             L0001167   , L0001168   , L0001169   , L0001170   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                          *** DIRECTION SPECIFIC BUILDING DIMENSIONS
***

 SOURCE ID: FIRE
  IFV   BH   BW   BL   XADJ   YADJ   IFV   BH   BW   BL   XADJ
  YADJ
    1   15.2, 224.6, 187.8, -34.1,   70.9,   2   15.2, 240.0, 214.6, -61.0,
  80.0,
    3   15.2, 248.1, 234.8, -86.2,   86.7,   4   15.2, 248.6, 247.9, -108.6,
  90.7,
    5   15.2, 241.6, 253.5, -127.8,   92.0,   6   15.2, 227.2, 251.4, -143.1,
  90.5,
    7   15.2, 205.9, 241.6, -154.1,   86.3,   8   15.2, 178.4, 224.5, -160.4,
  79.4,
    9   15.2, 156.7, 203.4, -161.8,   71.9,   10   15.2, 187.8, 224.6, -183.2,
  59.8,
   11   15.2, 214.6, 240.0, -200.0,   46.2,   12   15.2, 234.8, 248.1, -210.7,
  31.2,
   13   15.2, 247.9, 248.6, -215.0,   15.3,   14   15.2, 253.5, 241.6, -212.8,
  -1.1,
   15   15.2, 251.4, 227.2, -204.1, -17.5,   16   15.2, 241.6, 205.9, -189.2,
 -33.3,
   17   15.2, 224.5, 178.4, -168.6, -48.1,   18   15.2, 203.4, 156.7, -150.2,
 -60.1,
   19   15.2, 224.6, 187.8, -153.7, -70.9,   20   15.2, 240.0, 214.6, -153.5,
 -80.0,

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     (502722.0, 3633475.9,   108.6,   318.9,   0.0);   (502772.0,
3633475.9,   109.0,   329.3,   0.0);
     (502822.0, 3633475.9,   109.1,   329.9,   0.0);   (502872.0,
3633475.9,   109.6,   335.8,   0.0);
     (502922.0, 3633475.9,   111.1,   336.9,   0.0);   (502972.0,
3633475.9,   111.1,   337.5,   0.0);
     (503022.0, 3633475.9,   110.8,   338.6,   0.0);   (503072.0,
3633475.9,   111.3,   338.6,   0.0);
     (503122.0, 3633475.9,   110.6,   338.7,   0.0);   (503172.0,
3633475.9,   109.5,   363.3,   0.0);
     (503222.0, 3633475.9,   112.2,   363.3,   0.0);   (503272.0,
3633475.9,   113.0,   363.3,   0.0);
     (503322.0, 3633475.9,   117.1,   363.3,   0.0);   (503372.0,
3633475.9,   132.0,   360.8,   0.0);
     (503422.0, 3633475.9,   132.9,   362.2,   0.0);   (503472.0,
3633475.9,   133.1,   363.3,   0.0);
     (503522.0, 3633475.9,   131.9,   363.3,   0.0);   (503622.0,
3633475.9,   134.8,   363.3,   0.0);
     (503672.0, 3633475.9,   144.7,   363.3,   0.0);   (503722.0,
3633475.9,   154.1,   363.3,   0.0);
     (503772.0, 3633475.9,   155.0,   363.3,   0.0);   (503822.0,

```
3633475.9,     162.1,     363.3,       0.0);
     ( 503872.0, 3633475.9,     164.0,     363.3,       0.0);         ( 503922.0,
3633475.9,     157.3,     363.3,       0.0);
     ( 503972.0, 3633475.9,     157.9,     363.3,       0.0);         ( 504022.0,
3633475.9,     164.6,     363.3,       0.0);
     ( 504072.0, 3633475.9,     163.7,     363.3,       0.0);         ( 504122.0,
3633475.9,     159.1,     363.3,       0.0);
     ( 504172.0, 3633475.9,     164.3,     363.3,       0.0);         ( 504222.0,
3633475.9,     161.3,     363.3,       0.0);
     ( 504272.0, 3633475.9,     156.8,     363.3,       0.0);         ( 504322.0,
3633475.9,     156.6,     363.3,       0.0);
     ( 504372.0, 3633475.9,     169.9,     363.3,       0.0);         ( 504422.0,
3633475.9,     184.6,     363.3,       0.0);
     ( 504472.0, 3633475.9,     198.5,     363.3,       0.0);         ( 504522.0,
3633475.9,     206.1,     363.3,       0.0);
     ( 504572.0, 3633475.9,     198.9,     363.3,       0.0);         ( 504622.0,
3633475.9,     189.2,     363.3,       0.0);
     ( 504672.0, 3633475.9,     185.1,     363.3,       0.0);         ( 504722.0,
3633475.9,     177.9,     363.3,       0.0);
     ( 502722.0, 3633525.9,     107.7,     318.9,       0.0);         ( 502772.0,
3633525.9,     107.8,     329.3,       0.0);
     ( 502822.0, 3633525.9,     108.1,     329.9,       0.0);         ( 502872.0,
3633525.9,     109.0,     335.8,       0.0);
     ( 502922.0, 3633525.9,     109.8,     336.5,       0.0);         ( 502972.0,
3633525.9,     109.8,     337.5,       0.0);
     ( 503022.0, 3633525.9,     109.9,     338.6,       0.0);         ( 503072.0,
3633525.9,     109.8,     338.6,       0.0);
     ( 503122.0, 3633525.9,     108.8,     338.7,       0.0);         ( 503172.0,
3633525.9,     109.0,     362.2,       0.0);
     ( 503222.0, 3633525.9,     109.8,     363.3,       0.0);         ( 503272.0,
3633525.9,     112.9,     363.3,       0.0);
     ( 503322.0, 3633525.9,     113.5,     363.3,       0.0);         ( 503372.0,
3633525.9,     120.7,     363.3,       0.0);
     ( 503422.0, 3633525.9,     123.4,     363.3,       0.0);         ( 503472.0,
3633525.9,     124.7,     363.3,       0.0);
     ( 503522.0, 3633525.9,     127.5,     363.3,       0.0);         ( 503622.0,
3633525.9,     126.8,     363.3,       0.0);
     ( 503672.0, 3633525.9,     132.2,     363.3,       0.0);         ( 503722.0,
3633525.9,     134.0,     363.3,       0.0);
     ( 503772.0, 3633525.9,     142.6,     363.3,       0.0);         ( 503822.0,
3633525.9,     152.7,     363.3,       0.0);
     ( 503872.0, 3633525.9,     151.0,     363.3,       0.0);         ( 503922.0,
3633525.9,     145.9,     363.3,       0.0);
     ( 503972.0, 3633525.9,     149.8,     363.3,       0.0);         ( 504022.0,
3633525.9,     156.8,     363.3,       0.0);
     ( 504072.0, 3633525.9,     155.3,     363.3,       0.0);         ( 504122.0,
3633525.9,     150.5,     363.3,       0.0);
     ( 504172.0, 3633525.9,     150.2,     363.3,       0.0);         ( 504222.0,
3633525.9,     149.0,     363.3,       0.0);
     ( 504272.0, 3633525.9,     151.6,     363.3,       0.0);         ( 504322.0,
```

3633525.9,   168.8,   363.3,   0.0);
     (504372.0, 3633525.9,   179.5,   363.3,   0.0);   (504422.0,
3633525.9,   191.9,   363.3,   0.0);
     (504472.0, 3633525.9,   201.4,   363.3,   0.0);   (504522.0,
3633525.9,   194.5,   363.3,   0.0);
     (504572.0, 3633525.9,   183.6,   363.3,   0.0);   (504622.0,
3633525.9,   176.7,   363.3,   0.0);
     (504672.0, 3633525.9,   175.9,   363.3,   0.0);   (504722.0,
3633525.9,   176.7,   363.3,   0.0);
     (502722.0, 3633575.9,   106.8,   318.9,   0.0);   (502772.0,
3633575.9,   106.9,   328.1,   0.0);
     (502822.0, 3633575.9,   107.5,   329.9,   0.0);   (502872.0,
3633575.9,   108.4,   335.8,   0.0);
     (502922.0, 3633575.9,   108.5,   336.5,   0.0);   (502972.0,
3633575.9,   108.8,   337.5,   0.0);
     (503022.0, 3633575.9,   109.7,   338.4,   0.0);   (503072.0,
3633575.9,   109.5,   338.6,   0.0);
     (503122.0, 3633575.9,   108.6,   338.7,   0.0);   (503172.0,
3633575.9,   108.7,   360.8,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (503222.0, 3633575.9,   109.6,   362.2,   0.0);   (503272.0,
3633575.9,   110.7,   363.3,   0.0);
     (503322.0, 3633575.9,   113.1,   363.3,   0.0);   (503372.0,
3633575.9,   115.7,   363.3,   0.0);
     (503422.0, 3633575.9,   117.1,   363.3,   0.0);   (503472.0,
3633575.9,   119.0,   363.3,   0.0);
     (503522.0, 3633575.9,   118.4,   363.3,   0.0);   (503622.0,
3633575.9,   126.3,   363.3,   0.0);
     (503672.0, 3633575.9,   127.0,   363.3,   0.0);   (503722.0,
3633575.9,   127.3,   363.3,   0.0);
     (503772.0, 3633575.9,   133.9,   363.3,   0.0);   (503822.0,
3633575.9,   139.7,   363.3,   0.0);
     (503872.0, 3633575.9,   137.1,   363.3,   0.0);   (503922.0,
3633575.9,   137.6,   363.3,   0.0);
     (503972.0, 3633575.9,   142.4,   363.3,   0.0);   (504022.0,
3633575.9,   144.0,   363.3,   0.0);
     (504072.0, 3633575.9,   146.5,   363.3,   0.0);   (504122.0,
3633575.9,   143.9,   363.3,   0.0);
     (504172.0, 3633575.9,   143.1,   363.3,   0.0);   (504222.0,

3633575.9,   141.5,   363.3,   0.0);
     (504272.0, 3633575.9,   152.8,   363.3,   0.0);   (504322.0,
3633575.9,   170.7,   363.3,   0.0);
     (504372.0, 3633575.9,   181.0,   363.3,   0.0);   (504422.0,
3633575.9,   195.9,   363.3,   0.0);
     (504472.0, 3633575.9,   197.0,   363.3,   0.0);   (504522.0,
3633575.9,   182.5,   363.3,   0.0);
     (504572.0, 3633575.9,   171.1,   363.3,   0.0);   (504622.0,
3633575.9,   173.3,   363.3,   0.0);
     (504672.0, 3633575.9,   175.4,   363.3,   0.0);   (504722.0,
3633575.9,   176.5,   363.3,   0.0);
     (502722.0, 3633625.9,   106.7,   318.9,   0.0);   (502772.0,
3633625.9,   106.8,   318.9,   0.0);
     (502822.0, 3633625.9,   106.8,   329.9,   0.0);   (502872.0,
3633625.9,   107.1,   335.8,   0.0);
     (502922.0, 3633625.9,   107.4,   336.5,   0.0);   (502972.0,
3633625.9,   108.2,   337.2,   0.0);
     (503022.0, 3633625.9,   109.0,   337.8,   0.0);   (503072.0,
3633625.9,   108.6,   338.6,   0.0);
     (503122.0, 3633625.9,   108.2,   338.7,   0.0);   (503172.0,
3633625.9,   108.6,   338.7,   0.0);
     (503222.0, 3633625.9,   109.0,   362.2,   0.0);   (503272.0,
3633625.9,   110.5,   363.3,   0.0);
     (503322.0, 3633625.9,   112.3,   363.3,   0.0);   (503372.0,
3633625.9,   113.7,   363.3,   0.0);
     (503422.0, 3633625.9,   115.6,   363.3,   0.0);   (503472.0,
3633625.9,   117.1,   363.3,   0.0);
     (503522.0, 3633625.9,   117.5,   363.3,   0.0);   (503622.0,
3633625.9,   123.0,   363.3,   0.0);
     (503672.0, 3633625.9,   126.5,   363.3,   0.0);   (503722.0,
3633625.9,   125.5,   363.3,   0.0);
     (503772.0, 3633625.9,   132.4,   363.3,   0.0);   (503822.0,
3633625.9,   134.3,   363.3,   0.0);
     (503872.0, 3633625.9,   133.4,   363.3,   0.0);   (503922.0,
3633625.9,   135.7,   363.3,   0.0);
     (503972.0, 3633625.9,   136.9,   363.3,   0.0);   (504022.0,
3633625.9,   139.9,   363.3,   0.0);
     (504072.0, 3633625.9,   142.2,   363.3,   0.0);   (504122.0,
3633625.9,   138.8,   363.3,   0.0);
     (504172.0, 3633625.9,   138.0,   363.3,   0.0);   (504222.0,
3633625.9,   139.4,   363.3,   0.0);
     (504272.0, 3633625.9,   147.8,   363.3,   0.0);   (504322.0,
3633625.9,   158.6,   363.3,   0.0);
     (504372.0, 3633625.9,   173.5,   363.3,   0.0);   (504422.0,
3633625.9,   185.2,   363.3,   0.0);
     (504472.0, 3633625.9,   187.2,   363.3,   0.0);   (504522.0,
3633625.9,   169.9,   363.3,   0.0);
     (504572.0, 3633625.9,   167.1,   363.3,   0.0);   (504622.0,
3633625.9,   169.8,   363.3,   0.0);
     (504672.0, 3633625.9,   167.4,   363.3,   0.0);   (504722.0,

3633625.9,   171.9,   363.3,   0.0);
     (502722.0, 3633675.9,   106.6,   318.9,   0.0);   (502772.0,
3633675.9,   106.5,   318.9,   0.0);
     (502822.0, 3633675.9,   106.5,   329.3,   0.0);   (502872.0,
3633675.9,   106.6,   333.6,   0.0);
     (502922.0, 3633675.9,   107.4,   336.5,   0.0);   (502972.0,
3633675.9,   107.9,   337.2,   0.0);
     (503022.0, 3633675.9,   108.4,   337.5,   0.0);   (503072.0,
3633675.9,   108.1,   338.6,   0.0);
     (503122.0, 3633675.9,   108.1,   338.7,   0.0);   (503172.0,
3633675.9,   108.3,   338.7,   0.0);
     (503222.0, 3633675.9,   108.8,   360.8,   0.0);   (503272.0,
3633675.9,   109.7,   362.2,   0.0);
     (503322.0, 3633675.9,   111.0,   363.3,   0.0);   (503372.0,
3633675.9,   111.3,   363.3,   0.0);
     (503422.0, 3633675.9,   112.1,   363.3,   0.0);   (503472.0,
3633675.9,   113.8,   363.3,   0.0);
     (503522.0, 3633675.9,   114.4,   363.3,   0.0);   (503572.0,
3633675.9,   121.2,   363.3,   0.0);
     (503672.0, 3633675.9,   125.0,   363.3,   0.0);   (503722.0,
3633675.9,   125.2,   363.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                 (METERS)

     (503772.0, 3633675.9,   126.7,   363.3,   0.0);   (503822.0,
3633675.9,   129.2,   363.3,   0.0);
     (503872.0, 3633675.9,   131.5,   363.3,   0.0);   (503922.0,
3633675.9,   132.4,   363.3,   0.0);
     (503972.0, 3633675.9,   134.4,   363.3,   0.0);   (504022.0,
3633675.9,   136.5,   363.3,   0.0);
     (504072.0, 3633675.9,   136.7,   363.3,   0.0);   (504122.0,
3633675.9,   135.2,   363.3,   0.0);
     (504172.0, 3633675.9,   134.2,   363.3,   0.0);   (504222.0,
3633675.9,   135.2,   363.3,   0.0);
     (504272.0, 3633675.9,   141.0,   363.3,   0.0);   (504322.0,
3633675.9,   151.9,   363.3,   0.0);
     (504372.0, 3633675.9,   165.9,   363.3,   0.0);   (504422.0,
3633675.9,   173.8,   363.3,   0.0);
     (504472.0, 3633675.9,   167.4,   363.3,   0.0);   (504522.0,
3633675.9,   161.5,   363.3,   0.0);
     (504572.0, 3633675.9,   163.4,   363.3,   0.0);   (504622.0,

```
3633675.9,     164.4,     363.3,       0.0);
     ( 504672.0, 3633675.9,     165.5,     363.3,       0.0);         ( 504722.0,
3633675.9,     166.1,     363.3,       0.0);
     ( 502722.0, 3633725.9,     106.6,     318.9,       0.0);         ( 502772.0,
3633725.9,     106.7,     318.9,       0.0);
     ( 502822.0, 3633725.9,     106.4,     328.1,       0.0);         ( 502872.0,
3633725.9,     106.8,     329.9,       0.0);
     ( 502922.0, 3633725.9,     108.0,     335.8,       0.0);         ( 502972.0,
3633725.9,     108.1,     336.5,       0.0);
     ( 503022.0, 3633725.9,     107.3,     337.5,       0.0);         ( 503072.0,
3633725.9,     107.9,     338.4,       0.0);
     ( 503122.0, 3633725.9,     108.0,     338.6,       0.0);         ( 503172.0,
3633725.9,     108.1,     338.7,       0.0);
     ( 503222.0, 3633725.9,     108.6,     338.7,       0.0);         ( 503272.0,
3633725.9,     108.8,     360.8,       0.0);
     ( 503322.0, 3633725.9,     109.2,     363.3,       0.0);         ( 503372.0,
3633725.9,     109.3,     363.3,       0.0);
     ( 503422.0, 3633725.9,     109.5,     363.3,       0.0);         ( 503472.0,
3633725.9,     112.5,     363.3,       0.0);
     ( 503522.0, 3633725.9,     113.3,     363.3,       0.0);         ( 503572.0,
3633725.9,     114.8,     363.3,       0.0);
     ( 503722.0, 3633725.9,     121.3,     363.3,       0.0);         ( 503772.0,
3633725.9,     124.6,     363.3,       0.0);
     ( 503822.0, 3633725.9,     126.0,     363.3,       0.0);         ( 503872.0,
3633725.9,     128.6,     363.3,       0.0);
     ( 503922.0, 3633725.9,     130.0,     363.3,       0.0);         ( 503972.0,
3633725.9,     132.9,     363.3,       0.0);
     ( 504022.0, 3633725.9,     134.2,     363.3,       0.0);         ( 504072.0,
3633725.9,     134.0,     363.3,       0.0);
     ( 504122.0, 3633725.9,     131.2,     363.3,       0.0);         ( 504172.0,
3633725.9,     131.7,     363.3,       0.0);
     ( 504222.0, 3633725.9,     133.4,     363.3,       0.0);         ( 504272.0,
3633725.9,     134.1,     363.3,       0.0);
     ( 504322.0, 3633725.9,     144.8,     363.3,       0.0);         ( 504372.0,
3633725.9,     155.4,     363.3,       0.0);
     ( 504422.0, 3633725.9,     159.7,     363.3,       0.0);         ( 504472.0,
3633725.9,     156.9,     363.3,       0.0);
     ( 504522.0, 3633725.9,     157.0,     363.3,       0.0);         ( 504572.0,
3633725.9,     159.3,     363.3,       0.0);
     ( 504622.0, 3633725.9,     155.1,     363.3,       0.0);         ( 504672.0,
3633725.9,     157.2,     363.3,       0.0);
     ( 504722.0, 3633725.9,     161.0,     363.3,       0.0);         ( 502722.0,
3633775.9,     106.4,     318.9,       0.0);
     ( 502772.0, 3633775.9,     106.6,     318.9,       0.0);         ( 502822.0,
3633775.9,     106.6,     318.9,       0.0);
     ( 502872.0, 3633775.9,     106.7,     329.3,       0.0);         ( 502922.0,
3633775.9,     107.6,     333.6,       0.0);
     ( 502972.0, 3633775.9,     108.3,     336.5,       0.0);         ( 503022.0,
3633775.9,     108.1,     337.2,       0.0);
     ( 503072.0, 3633775.9,     107.9,     337.8,       0.0);         ( 503122.0,
```

3633775.9, 107.9, 338.6, 0.0);
(503172.0, 3633775.9, 108.0, 338.7, 0.0); (503222.0, 3633775.9, 108.2, 338.7, 0.0);
(503272.0, 3633775.9, 108.6, 338.7, 0.0); (503322.0, 3633775.9, 108.7, 362.2, 0.0);
(503372.0, 3633775.9, 108.8, 363.3, 0.0); (503422.0, 3633775.9, 109.0, 363.3, 0.0);
(503472.0, 3633775.9, 109.7, 363.3, 0.0); (503772.0, 3633775.9, 122.7, 363.3, 0.0);
(503822.0, 3633775.9, 124.2, 363.3, 0.0); (503872.0, 3633775.9, 125.5, 363.3, 0.0);
(503922.0, 3633775.9, 128.8, 363.3, 0.0); (503972.0, 3633775.9, 131.5, 363.3, 0.0);
(504022.0, 3633775.9, 132.0, 363.3, 0.0); (504072.0, 3633775.9, 127.2, 363.3, 0.0);
(504122.0, 3633775.9, 127.6, 363.3, 0.0); (504172.0, 3633775.9, 127.9, 363.3, 0.0);
(504222.0, 3633775.9, 129.8, 363.3, 0.0); (504272.0, 3633775.9, 132.6, 363.3, 0.0);
(504322.0, 3633775.9, 140.1, 363.3, 0.0); (504372.0, 3633775.9, 145.6, 363.3, 0.0);
(504422.0, 3633775.9, 148.0, 363.3, 0.0); (504472.0, 3633775.9, 152.4, 363.3, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(504522.0, 3633775.9, 148.2, 363.3, 0.0); (504572.0, 3633775.9, 144.3, 363.3, 0.0);
(504622.0, 3633775.9, 146.5, 363.3, 0.0); (504672.0, 3633775.9, 149.9, 363.3, 0.0);
(504722.0, 3633775.9, 153.2, 363.3, 0.0); (502722.0, 3633825.9, 106.6, 318.9, 0.0);
(502772.0, 3633825.9, 106.6, 318.9, 0.0); (502822.0, 3633825.9, 106.9, 318.9, 0.0);
(502872.0, 3633825.9, 107.0, 329.3, 0.0); (502922.0, 3633825.9, 108.0, 329.9, 0.0);
(502972.0, 3633825.9, 108.3, 335.8, 0.0); (503022.0, 3633825.9, 108.2, 336.5, 0.0);
(503072.0, 3633825.9, 108.1, 337.2, 0.0); (503122.0, 3633825.9, 108.1, 338.4, 0.0);
(503172.0, 3633825.9, 108.4, 338.6, 0.0); (503222.0,

3633825.9,   108.6,   338.7,   0.0);
     (503272.0, 3633825.9,   108.9,   338.7,   0.0);   (503772.0,
3633825.9,   119.1,   363.3,   0.0);
     (503822.0, 3633825.9,   120.0,   363.3,   0.0);   (503872.0,
3633825.9,   123.3,   363.3,   0.0);
     (503922.0, 3633825.9,   127.5,   363.3,   0.0);   (503972.0,
3633825.9,   129.0,   363.3,   0.0);
     (504022.0, 3633825.9,   124.5,   363.3,   0.0);   (504072.0,
3633825.9,   125.2,   363.3,   0.0);
     (504122.0, 3633825.9,   125.1,   363.3,   0.0);   (504172.0,
3633825.9,   124.4,   363.3,   0.0);
     (504222.0, 3633825.9,   126.5,   363.3,   0.0);   (504272.0,
3633825.9,   128.4,   363.3,   0.0);
     (504322.0, 3633825.9,   130.9,   363.3,   0.0);   (504372.0,
3633825.9,   134.4,   363.3,   0.0);
     (504422.0, 3633825.9,   138.7,   363.3,   0.0);   (504472.0,
3633825.9,   140.9,   363.3,   0.0);
     (504522.0, 3633825.9,   140.7,   363.3,   0.0);   (504572.0,
3633825.9,   139.1,   363.3,   0.0);
     (504622.0, 3633825.9,   142.3,   363.3,   0.0);   (504672.0,
3633825.9,   145.4,   363.3,   0.0);
     (504722.0, 3633825.9,   146.2,   363.3,   0.0);   (502722.0,
3633875.9,   106.4,   318.9,   0.0);
     (502772.0, 3633875.9,   106.7,   318.9,   0.0);   (502822.0,
3633875.9,   106.8,   318.9,   0.0);
     (502872.0, 3633875.9,   106.9,   318.9,   0.0);   (502922.0,
3633875.9,   108.5,   329.3,   0.0);
     (502972.0, 3633875.9,   108.5,   333.6,   0.0);   (503022.0,
3633875.9,   108.6,   336.5,   0.0);
     (503072.0, 3633875.9,   108.9,   336.9,   0.0);   (503122.0,
3633875.9,   108.5,   337.8,   0.0);
     (503172.0, 3633875.9,   108.6,   338.6,   0.0);   (503222.0,
3633875.9,   108.8,   338.6,   0.0);
     (503272.0, 3633875.9,   109.0,   338.7,   0.0);   (503822.0,
3633875.9,   118.9,   363.3,   0.0);
     (503872.0, 3633875.9,   122.6,   363.3,   0.0);   (503922.0,
3633875.9,   124.5,   363.3,   0.0);
     (503972.0, 3633875.9,   120.8,   363.3,   0.0);   (504022.0,
3633875.9,   121.3,   363.3,   0.0);
     (504072.0, 3633875.9,   123.4,   363.3,   0.0);   (504122.0,
3633875.9,   122.0,   363.3,   0.0);
     (504172.0, 3633875.9,   123.4,   363.3,   0.0);   (504222.0,
3633875.9,   124.8,   363.3,   0.0);
     (504272.0, 3633875.9,   126.8,   363.3,   0.0);   (504322.0,
3633875.9,   130.2,   363.3,   0.0);
     (504372.0, 3633875.9,   132.4,   363.3,   0.0);   (504422.0,
3633875.9,   135.5,   363.3,   0.0);
     (504472.0, 3633875.9,   136.3,   363.3,   0.0);   (504522.0,
3633875.9,   134.8,   363.3,   0.0);
     (504572.0, 3633875.9,   135.3,   363.3,   0.0);   (504622.0,

3633875.9,   137.4,   363.3,   0.0);
     (504672.0, 3633875.9,   144.0,   363.3,   0.0);   (504722.0,
3633875.9,   143.7,   363.3,   0.0);
     (502722.0, 3633925.9,   106.2,   318.9,   0.0);   (502772.0,
3633925.9,   106.3,   318.9,   0.0);
     (502822.0, 3633925.9,   106.6,   318.9,   0.0);   (502872.0,
3633925.9,   107.2,   318.9,   0.0);
     (502922.0, 3633925.9,   108.4,   328.1,   0.0);   (502972.0,
3633925.9,   108.1,   329.9,   0.0);
     (503022.0, 3633925.9,   108.4,   335.8,   0.0);   (503072.0,
3633925.9,   109.0,   336.5,   0.0);
     (503122.0, 3633925.9,   109.0,   337.2,   0.0);   (503172.0,
3633925.9,   108.9,   337.8,   0.0);
     (503222.0, 3633925.9,   108.6,   338.6,   0.0);   (503272.0,
3633925.9,   108.8,   338.7,   0.0);
     (503822.0, 3633925.9,   117.2,   363.3,   0.0);   (503872.0,
3633925.9,   119.1,   363.3,   0.0);
     (503922.0, 3633925.9,   119.1,   363.3,   0.0);   (503972.0,
3633925.9,   116.7,   363.3,   0.0);
     (504022.0, 3633925.9,   118.9,   363.3,   0.0);   (504072.0,
3633925.9,   119.1,   363.3,   0.0);
     (504122.0, 3633925.9,   120.6,   363.3,   0.0);   (504172.0,
3633925.9,   120.9,   363.3,   0.0);
     (504222.0, 3633925.9,   121.8,   363.3,   0.0);   (504272.0,
3633925.9,   124.2,   363.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (504322.0, 3633925.9,   125.7,   363.3,   0.0);   (504372.0,
3633925.9,   128.6,   363.3,   0.0);
     (504422.0, 3633925.9,   129.5,   363.3,   0.0);   (504472.0,
3633925.9,   131.0,   363.3,   0.0);
     (504522.0, 3633925.9,   132.9,   363.3,   0.0);   (504572.0,
3633925.9,   136.6,   363.3,   0.0);
     (504622.0, 3633925.9,   139.4,   363.3,   0.0);   (504672.0,
3633925.9,   141.3,   363.3,   0.0);
     (504722.0, 3633925.9,   143.0,   363.3,   0.0);   (502722.0,
3633975.9,   106.2,   318.9,   0.0);
     (502772.0, 3633975.9,   106.0,   318.9,   0.0);   (502822.0,
3633975.9,   106.0,   318.9,   0.0);
     (502872.0, 3633975.9,   107.1,   318.9,   0.0);   (502922.0,

3633975.9,   108.0,   318.9,   0.0);
     (502972.0, 3633975.9,   107.8,   329.3,   0.0);   (503022.0,
3633975.9,   108.2,   333.6,   0.0);
     (503072.0, 3633975.9,   108.5,   336.5,   0.0);   (503122.0,
3633975.9,   108.8,   336.9,   0.0);
     (503172.0, 3633975.9,   108.9,   337.5,   0.0);   (503222.0,
3633975.9,   108.9,   338.4,   0.0);
     (503272.0, 3633975.9,   108.9,   338.6,   0.0);   (503822.0,
3633975.9,   115.7,   363.3,   0.0);
     (503872.0, 3633975.9,   116.4,   363.3,   0.0);   (503922.0,
3633975.9,   113.6,   363.3,   0.0);
     (503972.0, 3633975.9,   114.7,   363.3,   0.0);   (504022.0,
3633975.9,   116.2,   363.3,   0.0);
     (504072.0, 3633975.9,   117.5,   363.3,   0.0);   (504122.0,
3633975.9,   117.5,   363.3,   0.0);
     (504172.0, 3633975.9,   118.6,   363.3,   0.0);   (504222.0,
3633975.9,   121.5,   363.3,   0.0);
     (504272.0, 3633975.9,   123.3,   363.3,   0.0);   (504322.0,
3633975.9,   124.1,   363.3,   0.0);
     (504372.0, 3633975.9,   127.0,   363.3,   0.0);   (504422.0,
3633975.9,   128.1,   363.3,   0.0);
     (504472.0, 3633975.9,   132.1,   363.3,   0.0);   (504522.0,
3633975.9,   136.8,   363.3,   0.0);
     (504572.0, 3633975.9,   138.7,   363.3,   0.0);   (504622.0,
3633975.9,   140.7,   363.3,   0.0);
     (504672.0, 3633975.9,   143.5,   363.3,   0.0);   (504722.0,
3633975.9,   148.0,   363.3,   0.0);
     (502722.0, 3634025.9,   107.1,   318.9,   0.0);   (502772.0,
3634025.9,   107.4,   318.9,   0.0);
     (502822.0, 3634025.9,   106.9,   318.9,   0.0);   (502872.0,
3634025.9,   107.0,   318.9,   0.0);
     (502922.0, 3634025.9,   107.0,   318.9,   0.0);   (502972.0,
3634025.9,   107.4,   328.1,   0.0);
     (503022.0, 3634025.9,   108.4,   329.3,   0.0);   (503072.0,
3634025.9,   108.2,   335.8,   0.0);
     (503122.0, 3634025.9,   108.4,   336.5,   0.0);   (503172.0,
3634025.9,   108.8,   337.2,   0.0);
     (503222.0, 3634025.9,   108.8,   337.8,   0.0);   (503272.0,
3634025.9,   108.7,   338.6,   0.0);
     (503872.0, 3634025.9,   113.5,   363.3,   0.0);   (503922.0,
3634025.9,   112.5,   363.3,   0.0);
     (503972.0, 3634025.9,   114.4,   363.3,   0.0);   (504022.0,
3634025.9,   114.5,   363.3,   0.0);
     (504072.0, 3634025.9,   115.4,   363.3,   0.0);   (504122.0,
3634025.9,   116.1,   363.3,   0.0);
     (504172.0, 3634025.9,   119.0,   363.3,   0.0);   (504222.0,
3634025.9,   120.6,   363.3,   0.0);
     (504272.0, 3634025.9,   122.6,   363.3,   0.0);   (504322.0,
3634025.9,   123.7,   363.3,   0.0);
     (504372.0, 3634025.9,   126.4,   363.3,   0.0);   (504422.0,

3634025.9,   131.9,   363.3,   0.0);
     (504472.0, 3634025.9,   135.2,   363.3,   0.0);   (504522.0,
3634025.9,   137.3,   363.3,   0.0);
     (504572.0, 3634025.9,   140.0,   363.3,   0.0);   (504622.0,
3634025.9,   145.0,   363.3,   0.0);
     (504672.0, 3634025.9,   149.2,   363.3,   0.0);   (504722.0,
3634025.9,   153.5,   363.3,   0.0);
     (502722.0, 3634075.9,   107.4,   317.2,   0.0);   (502772.0,
3634075.9,   106.3,   318.9,   0.0);
     (502822.0, 3634075.9,   106.2,   318.9,   0.0);   (502872.0,
3634075.9,   106.9,   318.9,   0.0);
     (502922.0, 3634075.9,   107.0,   318.9,   0.0);   (502972.0,
3634075.9,   107.1,   318.9,   0.0);
     (503022.0, 3634075.9,   107.8,   329.3,   0.0);   (503072.0,
3634075.9,   108.1,   333.6,   0.0);
     (503122.0, 3634075.9,   108.2,   336.0,   0.0);   (503172.0,
3634075.9,   108.5,   336.9,   0.0);
     (503222.0, 3634075.9,   108.5,   337.2,   0.0);   (503272.0,
3634075.9,   108.5,   338.4,   0.0);
     (503872.0, 3634075.9,   111.9,   363.3,   0.0);   (503922.0,
3634075.9,   111.7,   363.3,   0.0);
     (503972.0, 3634075.9,   112.2,   363.3,   0.0);   (504022.0,
3634075.9,   114.4,   363.3,   0.0);
     (504072.0, 3634075.9,   114.7,   363.3,   0.0);   (504122.0,
3634075.9,   115.9,   363.3,   0.0);
     (504172.0, 3634075.9,   117.8,   363.3,   0.0);   (504222.0,
3634075.9,   119.3,   363.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (504272.0, 3634075.9,   120.5,   363.3,   0.0);   (504322.0,
3634075.9,   123.5,   363.3,   0.0);
     (504372.0, 3634075.9,   128.5,   363.3,   0.0);   (504422.0,
3634075.9,   132.1,   363.3,   0.0);
     (504472.0, 3634075.9,   136.0,   363.3,   0.0);   (504522.0,
3634075.9,   141.0,   363.3,   0.0);
     (504572.0, 3634075.9,   146.4,   363.3,   0.0);   (504622.0,
3634075.9,   155.5,   363.3,   0.0);
     (504672.0, 3634075.9,   158.1,   363.3,   0.0);   (504722.0,
3634075.9,   157.7,   363.3,   0.0);
     (502722.0, 3634125.9,   107.5,   107.5,   0.0);   (502772.0,

3634125.9,   105.9,   318.9,   0.0);
     (502822.0, 3634125.9,   106.0,   318.9,   0.0);   (502872.0,
3634125.9,   106.7,   318.9,   0.0);
     (502922.0, 3634125.9,   106.6,   318.9,   0.0);   (502972.0,
3634125.9,   106.7,   318.9,   0.0);
     (503022.0, 3634125.9,   107.4,   318.9,   0.0);   (503072.0,
3634125.9,   107.6,   329.3,   0.0);
     (503122.0, 3634125.9,   107.9,   335.8,   0.0);   (503172.0,
3634125.9,   108.3,   336.5,   0.0);
     (503222.0, 3634125.9,   107.8,   337.2,   0.0);   (503272.0,
3634125.9,   108.2,   337.8,   0.0);
     (503922.0, 3634125.9,   110.9,   363.3,   0.0);   (503972.0,
3634125.9,   111.5,   363.3,   0.0);
     (504022.0, 3634125.9,   112.3,   363.3,   0.0);   (504072.0,
3634125.9,   114.3,   363.3,   0.0);
     (504122.0, 3634125.9,   114.3,   363.3,   0.0);   (504172.0,
3634125.9,   115.9,   363.3,   0.0);
     (504222.0, 3634125.9,   117.0,   363.3,   0.0);   (504272.0,
3634125.9,   119.2,   363.3,   0.0);
     (504322.0, 3634125.9,   122.8,   363.3,   0.0);   (504372.0,
3634125.9,   126.9,   363.3,   0.0);
     (504422.0, 3634125.9,   131.9,   363.3,   0.0);   (504472.0,
3634125.9,   140.2,   363.3,   0.0);
     (504522.0, 3634125.9,   145.2,   363.3,   0.0);   (504572.0,
3634125.9,   153.0,   363.3,   0.0);
     (504622.0, 3634125.9,   160.6,   363.3,   0.0);   (504672.0,
3634125.9,   159.9,   363.3,   0.0);
     (504722.0, 3634125.9,   161.7,   363.3,   0.0);   (502722.0,
3634175.9,   105.6,   105.6,   0.0);
     (502772.0, 3634175.9,   105.5,   318.9,   0.0);   (502822.0,
3634175.9,   105.9,   318.9,   0.0);
     (502872.0, 3634175.9,   106.5,   318.9,   0.0);   (502922.0,
3634175.9,   106.3,   318.9,   0.0);
     (502972.0, 3634175.9,   106.4,   318.9,   0.0);   (503022.0,
3634175.9,   107.1,   318.9,   0.0);
     (503072.0, 3634175.9,   107.1,   329.3,   0.0);   (503122.0,
3634175.9,   107.2,   333.6,   0.0);
     (503172.0, 3634175.9,   107.1,   336.0,   0.0);   (503222.0,
3634175.9,   106.6,   336.9,   0.0);
     (503272.0, 3634175.9,   106.8,   337.2,   0.0);   (503972.0,
3634175.9,   111.6,   363.3,   0.0);
     (504022.0, 3634175.9,   111.5,   363.3,   0.0);   (504072.0,
3634175.9,   112.4,   363.3,   0.0);
     (504122.0, 3634175.9,   114.0,   363.3,   0.0);   (504172.0,
3634175.9,   113.6,   363.3,   0.0);
     (504222.0, 3634175.9,   115.3,   363.3,   0.0);   (504272.0,
3634175.9,   116.8,   363.3,   0.0);
     (504322.0, 3634175.9,   119.4,   363.3,   0.0);   (504372.0,
3634175.9,   130.4,   363.3,   0.0);
     (504422.0, 3634175.9,   142.7,   363.3,   0.0);   (504472.0,

3634175.9,   145.6,   363.3,   0.0);
     (504522.0, 3634175.9,   149.3,   363.3,   0.0);   (504572.0,
3634175.9,   162.1,   360.8,   0.0);
     (504622.0, 3634175.9,   171.5,   338.7,   0.0);   (504672.0,
3634175.9,   174.2,   338.7,   0.0);
     (504722.0, 3634175.9,   182.7,   338.7,   0.0);   (502722.0,
3634225.9,   105.2,   105.2,   0.0);
     (502772.0, 3634225.9,   105.7,   105.7,   0.0);   (502822.0,
3634225.9,   106.4,   318.9,   0.0);
     (502872.0, 3634225.9,   106.6,   318.9,   0.0);   (502922.0,
3634225.9,   106.2,   318.9,   0.0);
     (502972.0, 3634225.9,   106.2,   318.9,   0.0);   (503022.0,
3634225.9,   106.8,   318.9,   0.0);
     (503072.0, 3634225.9,   106.8,   318.9,   0.0);   (503122.0,
3634225.9,   106.8,   329.3,   0.0);
     (503172.0, 3634225.9,   106.6,   335.8,   0.0);   (503222.0,
3634225.9,   106.5,   336.5,   0.0);
     (503272.0, 3634225.9,   106.7,   336.9,   0.0);   (504072.0,
3634225.9,   111.7,   363.3,   0.0);
     (504122.0, 3634225.9,   112.7,   363.3,   0.0);   (504172.0,
3634225.9,   113.6,   363.3,   0.0);
     (504222.0, 3634225.9,   113.3,   363.3,   0.0);   (504272.0,
3634225.9,   116.3,   363.3,   0.0);
     (504322.0, 3634225.9,   118.7,   363.3,   0.0);   (504372.0,
3634225.9,   132.3,   363.3,   0.0);
     (504422.0, 3634225.9,   145.7,   363.3,   0.0);   (504472.0,
3634225.9,   147.8,   363.3,   0.0);
     (504522.0, 3634225.9,   151.7,   362.2,   0.0);   (504572.0,
3634225.9,   162.3,   338.7,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (504622.0, 3634225.9,   175.1,   338.7,   0.0);   (504672.0,
3634225.9,   188.1,   337.8,   0.0);
     (504722.0, 3634225.9,   202.4,   334.4,   0.0);   (502722.0,
3634275.9,   105.4,   105.4,   0.0);
     (502772.0, 3634275.9,   105.4,   105.4,   0.0);   (502822.0,
3634275.9,   106.1,   317.2,   0.0);
     (502872.0, 3634275.9,   107.5,   318.9,   0.0);   (502922.0,
3634275.9,   106.5,   318.9,   0.0);
     (502972.0, 3634275.9,   106.0,   318.9,   0.0);   (503022.0,

3634275.9,   106.7,   318.9,   0.0);
     (503072.0, 3634275.9,   106.6,   318.9,   0.0);   (503122.0,
3634275.9,   106.5,   318.9,   0.0);
     (503172.0, 3634275.9,   106.6,   333.6,   0.0);   (503222.0,
3634275.9,   106.5,   335.8,   0.0);
     (503272.0, 3634275.9,   106.9,   336.5,   0.0);   (504122.0,
3634275.9,   111.8,   363.3,   0.0);
     (504172.0, 3634275.9,   112.2,   363.3,   0.0);   (504222.0,
3634275.9,   116.4,   363.3,   0.0);
     (504272.0, 3634275.9,   116.9,   363.3,   0.0);   (504322.0,
3634275.9,   120.1,   363.3,   0.0);
     (504372.0, 3634275.9,   128.7,   363.3,   0.0);   (504422.0,
3634275.9,   138.7,   363.3,   0.0);
     (504472.0, 3634275.9,   146.7,   362.2,   0.0);   (504522.0,
3634275.9,   156.2,   338.7,   0.0);
     (504572.0, 3634275.9,   169.8,   338.7,   0.0);   (504622.0,
3634275.9,   182.5,   337.8,   0.0);
     (504672.0, 3634275.9,   198.9,   334.2,   0.0);   (504722.0,
3634275.9,   207.6,   207.6,   0.0);
     (502722.0, 3634325.9,   102.3,   102.3,   0.0);   (502772.0,
3634325.9,   103.0,   105.3,   0.0);
     (502822.0, 3634325.9,   103.3,   317.2,   0.0);   (502872.0,
3634325.9,   108.4,   108.4,   0.0);
     (502972.0, 3634325.9,   106.1,   318.9,   0.0);   (503022.0,
3634325.9,   106.6,   318.9,   0.0);
     (503072.0, 3634325.9,   106.8,   318.9,   0.0);   (503122.0,
3634325.9,   106.6,   318.9,   0.0);
     (503172.0, 3634325.9,   106.7,   328.1,   0.0);   (503222.0,
3634325.9,   106.7,   333.6,   0.0);
     (503272.0, 3634325.9,   107.1,   335.8,   0.0);   (504172.0,
3634325.9,   113.4,   363.3,   0.0);
     (504222.0, 3634325.9,   117.7,   363.3,   0.0);   (504272.0,
3634325.9,   116.9,   363.3,   0.0);
     (504322.0, 3634325.9,   118.8,   363.3,   0.0);   (504372.0,
3634325.9,   124.3,   363.3,   0.0);
     (504422.0, 3634325.9,   135.2,   363.3,   0.0);   (504472.0,
3634325.9,   144.0,   360.8,   0.0);
     (504522.0, 3634325.9,   156.5,   338.7,   0.0);   (504572.0,
3634325.9,   172.9,   338.0,   0.0);
     (504622.0, 3634325.9,   190.8,   334.2,   0.0);   (504672.0,
3634325.9,   206.6,   206.6,   0.0);
     (504722.0, 3634325.9,   207.6,   207.6,   0.0);   (502722.0,
3634375.9,   101.1,   101.1,   0.0);
     (502772.0, 3634375.9,   102.1,   102.1,   0.0);   (502822.0,
3634375.9,   102.2,   102.2,   0.0);
     (503022.0, 3634375.9,   105.5,   318.9,   0.0);   (503072.0,
3634375.9,   106.7,   318.9,   0.0);
     (503122.0, 3634375.9,   106.6,   318.9,   0.0);   (503172.0,
3634375.9,   106.4,   318.9,   0.0);
     (503222.0, 3634375.9,   106.6,   329.3,   0.0);   (503272.0,

3634375.9,   107.0,   334.2,   0.0);
     (504222.0, 3634375.9,   115.6,   363.3,   0.0);   (504272.0,
3634375.9,   116.2,   363.3,   0.0);
     (504322.0, 3634375.9,   116.2,   363.3,   0.0);   (504372.0,
3634375.9,   125.6,   363.3,   0.0);
     (504422.0, 3634375.9,   141.7,   338.7,   0.0);   (504472.0,
3634375.9,   156.1,   338.7,   0.0);
     (504522.0, 3634375.9,   168.5,   337.8,   0.0);   (504572.0,
3634375.9,   180.5,   336.0,   0.0);
     (504622.0, 3634375.9,   190.9,   318.9,   0.0);   (504672.0,
3634375.9,   199.3,   207.6,   0.0);
     (504722.0, 3634375.9,   203.3,   207.6,   0.0);   (502722.0,
3634425.9,   102.2,   107.7,   0.0);
     (502772.0, 3634425.9,   102.3,   107.7,   0.0);   (502822.0,
3634425.9,   102.4,   102.4,   0.0);
     (504272.0, 3634425.9,   113.0,   363.3,   0.0);   (504322.0,
3634425.9,   114.5,   363.3,   0.0);
     (504372.0, 3634425.9,   122.6,   363.3,   0.0);   (504422.0,
3634425.9,   136.7,   338.7,   0.0);
     (504472.0, 3634425.9,   152.1,   338.7,   0.0);   (504522.0,
3634425.9,   164.8,   337.8,   0.0);
     (504572.0, 3634425.9,   168.9,   337.0,   0.0);   (504622.0,
3634425.9,   171.6,   337.0,   0.0);
     (504672.0, 3634425.9,   178.6,   336.0,   0.0);   (504722.0,
3634425.9,   188.7,   207.6,   0.0);
     (502722.0, 3634475.9,   104.8,   107.7,   0.0);   (502772.0,
3634475.9,   106.0,   106.0,   0.0);
     (502822.0, 3634475.9,   106.5,   108.5,   0.0);   (504322.0,
3634475.9,   112.1,   363.3,   0.0);
     (504372.0, 3634475.9,   115.2,   363.3,   0.0);   (504422.0,
3634475.9,   122.3,   363.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (504472.0, 3634475.9,   134.7,   338.7,   0.0);   (504522.0,
3634475.9,   142.7,   338.7,   0.0);
     (504572.0, 3634475.9,   146.1,   338.7,   0.0);   (504622.0,
3634475.9,   148.5,   338.7,   0.0);
     (504672.0, 3634475.9,   158.6,   338.6,   0.0);   (504722.0,
3634475.9,   171.4,   336.4,   0.0);
     (502722.0, 3634525.9,   106.5,   106.5,   0.0);   (502772.0,

3634525.9,   106.4,   106.4,   0.0);
     (504372.0, 3634525.9,   112.5,   363.3,   0.0);   (504422.0,
3634525.9,   113.1,   363.3,   0.0);
     (504472.0, 3634525.9,   117.8,   363.3,   0.0);   (504522.0,
3634525.9,   123.0,   363.3,   0.0);
     (504572.0, 3634525.9,   126.9,   362.2,   0.0);   (504622.0,
3634525.9,   132.5,   352.4,   0.0);
     (504672.0, 3634525.9,   143.4,   338.7,   0.0);   (504722.0,
3634525.9,   154.5,   338.7,   0.0);
     (502722.0, 3634575.9,   106.6,   106.6,   0.0);   (502772.0,
3634575.9,   107.0,   107.0,   0.0);
     (504422.0, 3634575.9,   111.1,   363.3,   0.0);   (504472.0,
3634575.9,   112.5,   363.3,   0.0);
     (504522.0, 3634575.9,   113.4,   363.3,   0.0);   (504572.0,
3634575.9,   117.5,   363.3,   0.0);
     (504622.0, 3634575.9,   123.7,   362.2,   0.0);   (504672.0,
3634575.9,   131.5,   338.7,   0.0);
     (504722.0, 3634575.9,   139.1,   338.7,   0.0);   (502722.0,
3634625.9,   106.8,   106.8,   0.0);
     (502772.0, 3634625.9,   106.9,   106.9,   0.0);   (502822.0,
3634625.9,   107.9,   107.9,   0.0);
     (502872.0, 3634625.9,   108.0,   108.0,   0.0);   (502922.0,
3634625.9,   107.8,   107.8,   0.0);
     (502972.0, 3634625.9,   107.9,   107.9,   0.0);   (503022.0,
3634625.9,   108.0,   108.0,   0.0);
     (503072.0, 3634625.9,   108.2,   108.2,   0.0);   (503122.0,
3634625.9,   108.0,   108.0,   0.0);
     (504472.0, 3634625.9,   111.6,   363.3,   0.0);   (504522.0,
3634625.9,   112.5,   363.3,   0.0);
     (504572.0, 3634625.9,   113.3,   363.3,   0.0);   (504622.0,
3634625.9,   115.1,   363.3,   0.0);
     (504672.0, 3634625.9,   115.7,   363.3,   0.0);   (504722.0,
3634625.9,   125.4,   360.8,   0.0);
     (502722.0, 3634675.9,   107.3,   107.3,   0.0);   (502772.0,
3634675.9,   107.6,   107.6,   0.0);
     (502822.0, 3634675.9,   108.5,   108.5,   0.0);   (502872.0,
3634675.9,   108.6,   108.6,   0.0);
     (502922.0, 3634675.9,   108.5,   108.5,   0.0);   (502972.0,
3634675.9,   108.9,   108.9,   0.0);
     (503022.0, 3634675.9,   108.5,   108.5,   0.0);   (503072.0,
3634675.9,   108.2,   108.2,   0.0);
     (503122.0, 3634675.9,   109.0,   109.0,   0.0);   (503172.0,
3634675.9,   110.3,   110.3,   0.0);
     (503222.0, 3634675.9,   110.2,   317.2,   0.0);   (503272.0,
3634675.9,   107.9,   318.9,   0.0);
     (503322.0, 3634675.9,   108.0,   318.9,   0.0);   (503372.0,
3634675.9,   108.3,   318.9,   0.0);
     (503422.0, 3634675.9,   108.6,   318.9,   0.0);   (503472.0,
3634675.9,   110.6,   318.9,   0.0);
     (503522.0, 3634675.9,   107.6,   318.9,   0.0);   (504522.0,

3634675.9,   111.4,   362.2,   0.0);
     (504572.0, 3634675.9,   111.8,   362.2,   0.0);   (504622.0,
3634675.9,   113.4,   362.2,   0.0);
     (504672.0, 3634675.9,   114.0,   363.3,   0.0);   (504722.0,
3634675.9,   114.8,   363.3,   0.0);
     (502722.0, 3634725.9,   107.8,   107.8,   0.0);   (502772.0,
3634725.9,   108.1,   108.1,   0.0);
     (502822.0, 3634725.9,   108.4,   108.4,   0.0);   (502872.0,
3634725.9,   109.4,   109.4,   0.0);
     (502922.0, 3634725.9,   109.1,   109.1,   0.0);   (502972.0,
3634725.9,   109.1,   109.1,   0.0);
     (503022.0, 3634725.9,   109.0,   109.0,   0.0);   (503072.0,
3634725.9,   108.5,   108.5,   0.0);
     (503122.0, 3634725.9,   109.1,   109.1,   0.0);   (503172.0,
3634725.9,   109.9,   109.9,   0.0);
     (503222.0, 3634725.9,   109.3,   109.3,   0.0);   (503272.0,
3634725.9,   108.4,   317.2,   0.0);
     (503322.0, 3634725.9,   108.7,   318.9,   0.0);   (503372.0,
3634725.9,   109.2,   318.9,   0.0);
     (503422.0, 3634725.9,   109.6,   318.9,   0.0);   (503472.0,
3634725.9,   111.3,   318.9,   0.0);
     (503522.0, 3634725.9,   111.3,   318.9,   0.0);   (503572.0,
3634725.9,   109.2,   318.9,   0.0);
     (503622.0, 3634725.9,   107.5,   334.2,   0.0);   (504572.0,
3634725.9,   111.4,   360.8,   0.0);
     (504622.0, 3634725.9,   112.7,   360.8,   0.0);   (504672.0,
3634725.9,   113.2,   360.8,   0.0);
     (504722.0, 3634725.9,   113.9,   360.8,   0.0);   (502722.0,
3634775.9,   108.3,   108.3,   0.0);
     (502772.0, 3634775.9,   108.1,   108.1,   0.0);   (502822.0,
3634775.9,   108.7,   108.7,   0.0);
     (502872.0, 3634775.9,   109.6,   109.6,   0.0);   (502922.0,
3634775.9,   109.5,   109.5,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (502972.0, 3634775.9,   109.0,   109.0,   0.0);   (503022.0,
3634775.9,   109.4,   109.4,   0.0);
     (503072.0, 3634775.9,   109.2,   109.2,   0.0);   (503122.0,
3634775.9,   109.1,   109.1,   0.0);
     (503172.0, 3634775.9,   109.4,   109.4,   0.0);   (503222.0,

3634775.9,   108.6,   108.6,   0.0);
     (503272.0, 3634775.9,   108.4,   195.7,   0.0);   (503322.0,
3634775.9,   108.4,   317.2,   0.0);
     (503372.0, 3634775.9,   108.5,   318.9,   0.0);   (503422.0,
3634775.9,   109.1,   318.9,   0.0);
     (503472.0, 3634775.9,   110.8,   318.9,   0.0);   (503522.0,
3634775.9,   110.6,   318.9,   0.0);
     (503572.0, 3634775.9,   110.3,   318.9,   0.0);   (503622.0,
3634775.9,   110.4,   318.9,   0.0);
     (503672.0, 3634775.9,   110.9,   318.9,   0.0);   (503722.0,
3634775.9,   110.6,   333.6,   0.0);
     (503772.0, 3634775.9,   109.7,   334.9,   0.0);   (503822.0,
3634775.9,   107.5,   336.5,   0.0);
     (504622.0, 3634775.9,   111.9,   338.7,   0.0);   (504672.0,
3634775.9,   112.9,   338.7,   0.0);
     (504722.0, 3634775.9,   113.5,   338.7,   0.0);   (502722.0,
3634825.9,   108.3,   108.3,   0.0);
     (502772.0, 3634825.9,   109.1,   109.1,   0.0);   (502822.0,
3634825.9,   109.2,   109.2,   0.0);
     (502872.0, 3634825.9,   109.2,   109.2,   0.0);   (502922.0,
3634825.9,   109.9,   109.9,   0.0);
     (502972.0, 3634825.9,   109.6,   109.6,   0.0);   (503022.0,
3634825.9,   109.8,   109.8,   0.0);
     (503072.0, 3634825.9,   109.0,   109.0,   0.0);   (503122.0,
3634825.9,   109.3,   109.3,   0.0);
     (503172.0, 3634825.9,   108.5,   108.5,   0.0);   (503222.0,
3634825.9,   108.4,   108.4,   0.0);
     (503272.0, 3634825.9,   108.4,   197.1,   0.0);   (503322.0,
3634825.9,   108.8,   197.1,   0.0);
     (503372.0, 3634825.9,   110.2,   197.1,   0.0);   (503422.0,
3634825.9,   111.0,   317.2,   0.0);
     (503472.0, 3634825.9,   111.4,   318.9,   0.0);   (503522.0,
3634825.9,   111.2,   318.9,   0.0);
     (503572.0, 3634825.9,   110.6,   318.9,   0.0);   (503622.0,
3634825.9,   111.0,   318.9,   0.0);
     (503672.0, 3634825.9,   111.4,   318.9,   0.0);   (503722.0,
3634825.9,   111.5,   318.9,   0.0);
     (503772.0, 3634825.9,   111.3,   318.9,   0.0);   (503822.0,
3634825.9,   111.4,   334.2,   0.0);
     (503872.0, 3634825.9,   111.5,   334.4,   0.0);   (503922.0,
3634825.9,   111.4,   336.0,   0.0);
     (504672.0, 3634825.9,   112.2,   338.7,   0.0);   (504722.0,
3634825.9,   113.1,   338.7,   0.0);
     (502722.0, 3634875.9,   108.3,   108.3,   0.0);   (502772.0,
3634875.9,   108.8,   108.8,   0.0);
     (502822.0, 3634875.9,   109.1,   109.1,   0.0);   (502872.0,
3634875.9,   108.7,   108.7,   0.0);
     (502922.0, 3634875.9,   109.6,   109.6,   0.0);   (502972.0,
3634875.9,   109.6,   109.6,   0.0);
     (503022.0, 3634875.9,   109.8,   109.8,   0.0);   (503072.0,

3634875.9,   109.5,   109.5,   0.0);
     (503122.0, 3634875.9,   109.5,   109.5,   0.0);   (503172.0,
3634875.9,   108.3,   108.3,   0.0);
     (503222.0, 3634875.9,   108.6,   195.7,   0.0);   (503272.0,
3634875.9,   109.9,   197.1,   0.0);
     (503322.0, 3634875.9,   110.7,   197.1,   0.0);   (503372.0,
3634875.9,   110.7,   197.1,   0.0);
     (503422.0, 3634875.9,   111.1,   197.1,   0.0);   (503472.0,
3634875.9,   111.8,   197.1,   0.0);
     (503522.0, 3634875.9,   111.7,   317.2,   0.0);   (503572.0,
3634875.9,   111.8,   318.9,   0.0);
     (503622.0, 3634875.9,   111.7,   318.9,   0.0);   (503672.0,
3634875.9,   112.0,   318.9,   0.0);
     (503722.0, 3634875.9,   112.6,   318.9,   0.0);   (503772.0,
3634875.9,   112.7,   318.9,   0.0);
     (503822.0, 3634875.9,   113.0,   318.9,   0.0);   (503872.0,
3634875.9,   113.2,   318.9,   0.0);
     (503922.0, 3634875.9,   114.9,   318.9,   0.0);   (504722.0,
3634875.9,   112.5,   338.7,   0.0);
     (502722.0, 3634925.9,   108.4,   108.4,   0.0);   (502772.0,
3634925.9,   108.5,   108.5,   0.0);
     (502822.0, 3634925.9,   108.9,   108.9,   0.0);   (502872.0,
3634925.9,   108.6,   108.6,   0.0);
     (502922.0, 3634925.9,   109.2,   109.2,   0.0);   (502972.0,
3634925.9,   109.4,   109.4,   0.0);
     (503022.0, 3634925.9,   109.5,   109.5,   0.0);   (503072.0,
3634925.9,   109.4,   109.4,   0.0);
     (503122.0, 3634925.9,   109.5,   109.5,   0.0);   (503172.0,
3634925.9,   109.4,   109.4,   0.0);
     (503222.0, 3634925.9,   109.8,   195.7,   0.0);   (503272.0,
3634925.9,   110.3,   197.1,   0.0);
     (503322.0, 3634925.9,   110.7,   197.1,   0.0);   (503372.0,
3634925.9,   111.0,   197.1,   0.0);
     (503422.0, 3634925.9,   111.4,   197.1,   0.0);   (503472.0,
3634925.9,   111.7,   197.1,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (503522.0, 3634925.9,   111.8,   197.1,   0.0);   (503572.0,
3634925.9,   111.8,   197.1,   0.0);
     (503622.0, 3634925.9,   111.8,   317.2,   0.0);   (503672.0,

3634925.9,   112.1,   318.9,   0.0);
     (503722.0, 3634925.9,   114.0,   318.9,   0.0);   (503772.0,
3634925.9,   114.7,   318.9,   0.0);
     (503822.0, 3634925.9,   115.8,   318.9,   0.0);   (503872.0,
3634925.9,   116.9,   318.9,   0.0);
     (502722.0, 3634975.9,   108.5,   108.5,   0.0);   (502772.0,
3634975.9,   108.3,   108.3,   0.0);
     (502822.0, 3634975.9,   108.6,   108.6,   0.0);   (502872.0,
3634975.9,   109.0,   109.0,   0.0);
     (502922.0, 3634975.9,   109.9,   109.9,   0.0);   (502972.0,
3634975.9,   108.6,   108.6,   0.0);
     (503022.0, 3634975.9,   108.9,   108.9,   0.0);   (503072.0,
3634975.9,   109.3,   109.3,   0.0);
     (503122.0, 3634975.9,   109.6,   109.6,   0.0);   (503172.0,
3634975.9,   108.2,   333.1,   0.0);
     (503222.0, 3634975.9,   108.2,   333.1,   0.0);   (503272.0,
3634975.9,   108.9,   333.1,   0.0);
     (503322.0, 3634975.9,   109.2,   333.1,   0.0);   (503372.0,
3634975.9,   109.7,   333.1,   0.0);
     (503422.0, 3634975.9,   111.4,   197.1,   0.0);   (503472.0,
3634975.9,   111.3,   197.1,   0.0);
     (503522.0, 3634975.9,   111.9,   197.1,   0.0);   (503572.0,
3634975.9,   111.8,   197.1,   0.0);
     (503622.0, 3634975.9,   111.7,   197.1,   0.0);   (503672.0,
3634975.9,   112.0,   197.1,   0.0);
     (503722.0, 3634975.9,   115.0,   197.1,   0.0);   (503772.0,
3634975.9,   119.4,   197.1,   0.0);
     (503822.0, 3634975.9,   118.6,   197.1,   0.0);   (503872.0,
3634975.9,   126.0,   197.1,   0.0);
     (502722.0, 3635025.9,   108.7,   108.7,   0.0);   (502772.0,
3635025.9,   109.2,   109.2,   0.0);
     (502822.0, 3635025.9,   109.3,   109.3,   0.0);   (502872.0,
3635025.9,   109.5,   109.5,   0.0);
     (502922.0, 3635025.9,   109.3,   333.1,   0.0);   (502972.0,
3635025.9,   109.2,   333.1,   0.0);
     (503022.0, 3635025.9,   109.4,   333.1,   0.0);   (503072.0,
3635025.9,   109.9,   333.1,   0.0);
     (503122.0, 3635025.9,   110.0,   333.1,   0.0);   (503172.0,
3635025.9,   109.2,   333.1,   0.0);
     (503222.0, 3635025.9,   109.3,   333.1,   0.0);   (503272.0,
3635025.9,   109.6,   333.1,   0.0);
     (503322.0, 3635025.9,   109.8,   333.1,   0.0);   (503372.0,
3635025.9,   110.3,   333.1,   0.0);
     (503422.0, 3635025.9,   111.3,   333.1,   0.0);   (503472.0,
3635025.9,   111.3,   333.1,   0.0);
     (503522.0, 3635025.9,   111.6,   333.1,   0.0);   (503572.0,
3635025.9,   111.9,   333.1,   0.0);
     (503622.0, 3635025.9,   112.2,   333.1,   0.0);   (503672.0,
3635025.9,   113.2,   333.1,   0.0);
     (503722.0, 3635025.9,   118.5,   197.1,   0.0);   (503772.0,

3635025.9,   120.0,   197.1,   0.0);
     (503822.0, 3635025.9,   122.5,   197.1,   0.0);   (504372.0,
3635025.9,   110.7,   336.0,   0.0);
     (502722.0, 3635075.9,   109.5,   333.1,   0.0);   (502772.0,
3635075.9,   110.0,   333.1,   0.0);
     (502822.0, 3635075.9,   110.2,   333.1,   0.0);   (502872.0,
3635075.9,   109.5,   333.1,   0.0);
     (502922.0, 3635075.9,   109.7,   333.1,   0.0);   (502972.0,
3635075.9,   110.0,   333.1,   0.0);
     (503022.0, 3635075.9,   109.6,   333.1,   0.0);   (503072.0,
3635075.9,   110.0,   333.1,   0.0);
     (503122.0, 3635075.9,   110.0,   333.1,   0.0);   (503172.0,
3635075.9,   109.5,   333.1,   0.0);
     (503222.0, 3635075.9,   109.8,   333.1,   0.0);   (503272.0,
3635075.9,   109.9,   333.1,   0.0);
     (503322.0, 3635075.9,   110.2,   333.1,   0.0);   (503372.0,
3635075.9,   110.5,   333.1,   0.0);
     (503422.0, 3635075.9,   110.7,   333.1,   0.0);   (503472.0,
3635075.9,   110.9,   333.1,   0.0);
     (503522.0, 3635075.9,   111.2,   333.1,   0.0);   (503572.0,
3635075.9,   111.6,   333.1,   0.0);
     (503622.0, 3635075.9,   112.1,   333.1,   0.0);   (503672.0,
3635075.9,   113.6,   333.1,   0.0);
     (503722.0, 3635075.9,   116.8,   333.1,   0.0);   (503772.0,
3635075.9,   119.5,   197.1,   0.0);
     (503822.0, 3635075.9,   126.0,   197.1,   0.0);   (504372.0,
3635075.9,   111.5,   334.2,   0.0);
     (504422.0, 3635075.9,   111.6,   334.9,   0.0);   (504472.0,
3635075.9,   111.7,   336.0,   0.0);
     (504522.0, 3635075.9,   109.8,   336.4,   0.0);   (502722.0,
3635125.9,   109.9,   333.1,   0.0);
     (502772.0, 3635125.9,   110.4,   333.1,   0.0);   (502822.0,
3635125.9,   110.8,   333.1,   0.0);
     (502872.0, 3635125.9,   110.4,   333.1,   0.0);   (502922.0,
3635125.9,   109.4,   333.1,   0.0);
     (502972.0, 3635125.9,   109.5,   333.1,   0.0);   (503022.0,
3635125.9,   109.7,   333.1,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (503072.0, 3635125.9,   110.3,   333.1,   0.0);   (503122.0,

```
3635125.9,     110.3,     333.1,       0.0);
     ( 503172.0, 3635125.9,     110.2,     333.1,       0.0);         ( 503222.0,
3635125.9,     110.8,     333.1,       0.0);
     ( 503272.0, 3635125.9,     110.6,     333.1,       0.0);         ( 503322.0,
3635125.9,     111.0,     333.1,       0.0);
     ( 503372.0, 3635125.9,     111.1,     333.1,       0.0);         ( 503422.0,
3635125.9,     110.8,     333.1,       0.0);
     ( 503472.0, 3635125.9,     111.1,     333.1,       0.0);         ( 503522.0,
3635125.9,     111.5,     333.1,       0.0);
     ( 503572.0, 3635125.9,     113.3,     333.1,       0.0);         ( 503622.0,
3635125.9,     113.2,     333.1,       0.0);
     ( 503672.0, 3635125.9,     115.0,     333.1,       0.0);         ( 503722.0,
3635125.9,     119.5,     333.1,       0.0);
     ( 503772.0, 3635125.9,     122.1,     333.1,       0.0);         ( 503822.0,
3635125.9,     126.7,     197.1,       0.0);
     ( 504372.0, 3635125.9,     111.5,     318.9,       0.0);         ( 504422.0,
3635125.9,     112.7,     318.9,       0.0);
     ( 504472.0, 3635125.9,     112.2,     318.9,       0.0);         ( 504522.0,
3635125.9,     111.7,     334.2,       0.0);
     ( 504572.0, 3635125.9,     110.6,     334.9,       0.0);         ( 502722.0,
3635175.9,     110.2,     333.1,       0.0);
     ( 502772.0, 3635175.9,     111.1,     333.1,       0.0);         ( 502822.0,
3635175.9,     111.5,     333.1,       0.0);
     ( 502872.0, 3635175.9,     111.6,     333.1,       0.0);         ( 502922.0,
3635175.9,     110.2,     333.1,       0.0);
     ( 502972.0, 3635175.9,     110.1,     333.1,       0.0);         ( 503022.0,
3635175.9,     110.6,     333.1,       0.0);
     ( 503072.0, 3635175.9,     110.8,     333.1,       0.0);         ( 503122.0,
3635175.9,     110.5,     333.1,       0.0);
     ( 503172.0, 3635175.9,     110.3,     333.1,       0.0);         ( 503222.0,
3635175.9,     111.0,     333.1,       0.0);
     ( 503272.0, 3635175.9,     110.8,     333.1,       0.0);         ( 503322.0,
3635175.9,     111.3,     333.1,       0.0);
     ( 503372.0, 3635175.9,     111.3,     333.1,       0.0);         ( 503422.0,
3635175.9,     110.3,     333.1,       0.0);
     ( 503472.0, 3635175.9,     112.1,     333.1,       0.0);         ( 503522.0,
3635175.9,     112.1,     333.1,       0.0);
     ( 503572.0, 3635175.9,     114.0,     333.1,       0.0);         ( 503622.0,
3635175.9,     114.2,     333.1,       0.0);
     ( 503672.0, 3635175.9,     116.3,     333.1,       0.0);         ( 503722.0,
3635175.9,     121.8,     333.1,       0.0);
     ( 503772.0, 3635175.9,     126.7,     333.1,       0.0);         ( 503822.0,
3635175.9,     132.5,     197.1,       0.0);
     ( 504372.0, 3635175.9,     111.7,     317.2,       0.0);         ( 504422.0,
3635175.9,     112.6,     279.6,       0.0);
     ( 504472.0, 3635175.9,     112.4,     317.2,       0.0);         ( 504522.0,
3635175.9,     112.3,     317.2,       0.0);
     ( 504572.0, 3635175.9,     112.7,     317.2,       0.0);         ( 504622.0,
3635175.9,     109.7,     334.2,       0.0);
     ( 502722.0, 3635225.9,     110.5,     333.1,       0.0);         ( 502772.0,
```

3635225.9,   110.5,   333.1,   0.0);
     (502822.0, 3635225.9,   110.8,   333.1,   0.0);   (502872.0,
3635225.9,   111.1,   333.1,   0.0);
     (502922.0, 3635225.9,   111.3,   333.1,   0.0);   (502972.0,
3635225.9,   111.1,   333.1,   0.0);
     (503022.0, 3635225.9,   111.0,   333.1,   0.0);   (503072.0,
3635225.9,   110.8,   333.1,   0.0);
     (503122.0, 3635225.9,   110.4,   333.1,   0.0);   (503172.0,
3635225.9,   110.2,   333.1,   0.0);
     (503222.0, 3635225.9,   110.0,   333.1,   0.0);   (503272.0,
3635225.9,   109.7,   333.1,   0.0);
     (503322.0, 3635225.9,   109.5,   333.1,   0.0);   (503372.0,
3635225.9,   109.6,   333.1,   0.0);
     (503422.0, 3635225.9,   109.8,   333.1,   0.0);   (503472.0,
3635225.9,   110.4,   333.1,   0.0);
     (503522.0, 3635225.9,   112.4,   333.1,   0.0);   (503572.0,
3635225.9,   114.2,   333.1,   0.0);
     (503622.0, 3635225.9,   116.6,   333.1,   0.0);   (503672.0,
3635225.9,   119.3,   333.1,   0.0);
     (504372.0, 3635225.9,   111.4,   333.1,   0.0);   (504422.0,
3635225.9,   111.7,   279.6,   0.0);
     (504472.0, 3635225.9,   112.0,   279.6,   0.0);   (504522.0,
3635225.9,   112.3,   279.6,   0.0);
     (504572.0, 3635225.9,   113.0,   279.6,   0.0);   (504622.0,
3635225.9,   112.5,   279.6,   0.0);
     (502722.0, 3635275.9,   111.4,   333.1,   0.0);   (502772.0,
3635275.9,   112.2,   333.1,   0.0);
     (502822.0, 3635275.9,   112.5,   333.1,   0.0);   (502872.0,
3635275.9,   112.1,   333.1,   0.0);
     (502922.0, 3635275.9,   112.5,   333.1,   0.0);   (502972.0,
3635275.9,   112.1,   333.1,   0.0);
     (503022.0, 3635275.9,   112.4,   333.1,   0.0);   (503072.0,
3635275.9,   112.5,   333.1,   0.0);
     (503122.0, 3635275.9,   112.4,   333.1,   0.0);   (503172.0,
3635275.9,   112.3,   333.1,   0.0);
     (503222.0, 3635275.9,   110.4,   333.1,   0.0);   (503272.0,
3635275.9,   110.5,   333.1,   0.0);
     (503322.0, 3635275.9,   110.1,   333.1,   0.0);   (503372.0,
3635275.9,   110.6,   333.1,   0.0);

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                           (METERS)

```
     ( 503422.0, 3635275.9,     110.3,     333.1,       0.0);         ( 503472.0,
3635275.9,     110.5,     333.1,       0.0);
     ( 503522.0, 3635275.9,     110.5,     333.1,       0.0);         ( 503572.0,
3635275.9,     113.3,     333.1,       0.0);
     ( 503622.0, 3635275.9,     115.6,     333.1,       0.0);         ( 504372.0,
3635275.9,     113.0,     333.1,       0.0);
     ( 504422.0, 3635275.9,     113.2,     333.1,       0.0);         ( 504472.0,
3635275.9,     112.8,     333.1,       0.0);
     ( 504522.0, 3635275.9,     112.7,     279.6,       0.0);         ( 504572.0,
3635275.9,     112.8,     279.6,       0.0);
     ( 504622.0, 3635275.9,     113.1,     279.6,       0.0);         ( 504672.0,
3635275.9,     112.0,     279.6,       0.0);
     ( 502722.0, 3635325.9,     112.2,     333.1,       0.0);         ( 502772.0,
3635325.9,     112.7,     333.1,       0.0);
     ( 502822.0, 3635325.9,     112.8,     333.1,       0.0);         ( 502872.0,
3635325.9,     112.7,     333.1,       0.0);
     ( 502922.0, 3635325.9,     112.9,     333.1,       0.0);         ( 502972.0,
3635325.9,     112.5,     333.1,       0.0);
     ( 503022.0, 3635325.9,     112.8,     333.1,       0.0);         ( 503072.0,
3635325.9,     112.8,     333.1,       0.0);
     ( 503122.0, 3635325.9,     112.8,     333.1,       0.0);         ( 503172.0,
3635325.9,     112.8,     333.1,       0.0);
     ( 503222.0, 3635325.9,     110.8,     333.1,       0.0);         ( 503272.0,
3635325.9,     110.9,     333.1,       0.0);
     ( 503322.0, 3635325.9,     110.8,     333.1,       0.0);         ( 503372.0,
3635325.9,     111.3,     333.1,       0.0);
     ( 503422.0, 3635325.9,     111.3,     333.1,       0.0);         ( 503472.0,
3635325.9,     111.4,     333.1,       0.0);
     ( 503522.0, 3635325.9,     110.8,     333.1,       0.0);         ( 503572.0,
3635325.9,     112.3,     333.1,       0.0);
     ( 503622.0, 3635325.9,     115.0,     333.1,       0.0);         ( 504372.0,
3635325.9,     113.3,     333.1,       0.0);
     ( 504422.0, 3635325.9,     113.2,     333.1,       0.0);         ( 504472.0,
3635325.9,     113.0,     333.1,       0.0);
     ( 504522.0, 3635325.9,     112.6,     333.1,       0.0);         ( 504572.0,
3635325.9,     112.4,     333.1,       0.0);
     ( 504622.0, 3635325.9,     113.1,     279.6,       0.0);         ( 504672.0,
3635325.9,     113.7,     279.6,       0.0);
     ( 504722.0, 3635325.9,     111.8,     279.6,       0.0);         ( 502722.0,
3635375.9,     113.3,     333.1,       0.0);
     ( 502772.0, 3635375.9,     116.1,     333.1,       0.0);         ( 502822.0,
3635375.9,     116.4,     333.1,       0.0);
     ( 502872.0, 3635375.9,     116.3,     333.1,       0.0);         ( 502922.0,
3635375.9,     115.7,     333.1,       0.0);
     ( 502972.0, 3635375.9,     113.2,     333.1,       0.0);         ( 503022.0,
3635375.9,     115.0,     333.1,       0.0);
     ( 503072.0, 3635375.9,     115.8,     333.1,       0.0);         ( 503122.0,
3635375.9,     113.6,     333.1,       0.0);
     ( 503172.0, 3635375.9,     113.1,     333.1,       0.0);         ( 503222.0,
```

3635375.9,   111.2,   333.1,   0.0);
     (503272.0, 3635375.9,   111.2,   333.1,   0.0);   (503322.0,
3635375.9,   111.4,   333.1,   0.0);
     (503372.0, 3635375.9,   111.6,   333.1,   0.0);   (503422.0,
3635375.9,   111.5,   333.1,   0.0);
     (503472.0, 3635375.9,   111.4,   333.1,   0.0);   (503522.0,
3635375.9,   111.3,   333.1,   0.0);
     (503572.0, 3635375.9,   112.4,   333.1,   0.0);   (503622.0,
3635375.9,   113.4,   333.1,   0.0);
     (503672.0, 3635375.9,   116.5,   333.1,   0.0);   (503722.0,
3635375.9,   120.5,   333.1,   0.0);
     (504372.0, 3635375.9,   113.3,   333.1,   0.0);   (504422.0,
3635375.9,   113.1,   333.1,   0.0);
     (504472.0, 3635375.9,   112.7,   333.1,   0.0);   (504522.0,
3635375.9,   112.6,   333.1,   0.0);
     (504572.0, 3635375.9,   112.4,   333.1,   0.0);   (504622.0,
3635375.9,   113.2,   333.1,   0.0);
     (504672.0, 3635375.9,   113.7,   279.6,   0.0);   (504722.0,
3635375.9,   113.6,   279.6,   0.0);
     (502722.0, 3635425.9,   114.6,   333.1,   0.0);   (502772.0,
3635425.9,   116.7,   333.1,   0.0);
     (502822.0, 3635425.9,   116.9,   333.1,   0.0);   (502872.0,
3635425.9,   117.0,   333.1,   0.0);
     (502922.0, 3635425.9,   116.9,   333.1,   0.0);   (502972.0,
3635425.9,   116.5,   333.1,   0.0);
     (503022.0, 3635425.9,   116.5,   333.1,   0.0);   (503072.0,
3635425.9,   116.3,   333.1,   0.0);
     (503122.0, 3635425.9,   113.4,   333.1,   0.0);   (503172.0,
3635425.9,   113.2,   333.1,   0.0);
     (503222.0, 3635425.9,   112.8,   333.1,   0.0);   (503272.0,
3635425.9,   113.7,   333.1,   0.0);
     (503322.0, 3635425.9,   113.4,   333.1,   0.0);   (503372.0,
3635425.9,   113.1,   333.1,   0.0);
     (503422.0, 3635425.9,   112.8,   333.1,   0.0);   (503472.0,
3635425.9,   113.1,   333.1,   0.0);
     (503522.0, 3635425.9,   113.5,   333.1,   0.0);   (503572.0,
3635425.9,   113.7,   333.1,   0.0);
     (503622.0, 3635425.9,   114.0,   333.1,   0.0);   (503672.0,
3635425.9,   116.4,   333.1,   0.0);
     (503722.0, 3635425.9,   117.8,   333.1,   0.0);   (503772.0,
3635425.9,   119.1,   333.1,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(503822.0, 3635425.9, 120.3, 333.1, 0.0); (504372.0, 3635425.9, 113.5, 333.1, 0.0);
(504422.0, 3635425.9, 113.6, 333.1, 0.0); (504472.0, 3635425.9, 113.5, 333.1, 0.0);
(504522.0, 3635425.9, 112.9, 333.1, 0.0); (504572.0, 3635425.9, 112.8, 333.1, 0.0);
(504622.0, 3635425.9, 113.4, 333.1, 0.0); (504672.0, 3635425.9, 113.6, 333.1, 0.0);
(504722.0, 3635425.9, 113.8, 279.6, 0.0); (502722.0, 3635475.9, 116.3, 333.1, 0.0);
(502772.0, 3635475.9, 116.9, 333.1, 0.0); (502822.0, 3635475.9, 117.0, 333.1, 0.0);
(502872.0, 3635475.9, 117.0, 333.1, 0.0); (502922.0, 3635475.9, 116.6, 333.1, 0.0);
(502972.0, 3635475.9, 116.8, 333.1, 0.0); (503022.0, 3635475.9, 116.7, 333.1, 0.0);
(503072.0, 3635475.9, 115.7, 333.1, 0.0); (503122.0, 3635475.9, 113.3, 333.1, 0.0);
(503172.0, 3635475.9, 113.3, 333.1, 0.0); (503222.0, 3635475.9, 113.6, 333.1, 0.0);
(503272.0, 3635475.9, 114.0, 333.1, 0.0); (503322.0, 3635475.9, 113.9, 333.1, 0.0);
(503372.0, 3635475.9, 113.5, 333.1, 0.0); (503422.0, 3635475.9, 113.4, 333.1, 0.0);
(503472.0, 3635475.9, 113.6, 333.1, 0.0); (503522.0, 3635475.9, 113.8, 333.1, 0.0);
(503572.0, 3635475.9, 114.2, 333.1, 0.0); (503622.0, 3635475.9, 114.2, 333.1, 0.0);
(503672.0, 3635475.9, 115.2, 333.1, 0.0); (503722.0, 3635475.9, 115.8, 333.1, 0.0);
(503772.0, 3635475.9, 117.9, 333.1, 0.0); (503822.0, 3635475.9, 117.9, 333.1, 0.0);
(503872.0, 3635475.9, 117.4, 333.1, 0.0); (503922.0, 3635475.9, 117.4, 333.1, 0.0);
(504372.0, 3635475.9, 112.4, 333.1, 0.0); (504422.0, 3635475.9, 112.8, 333.1, 0.0);
(504472.0, 3635475.9, 113.3, 333.1, 0.0); (504522.0, 3635475.9, 112.8, 333.1, 0.0);
(504572.0, 3635475.9, 113.2, 333.1, 0.0); (504622.0, 3635475.9, 113.5, 333.1, 0.0);
(504672.0, 3635475.9, 113.7, 333.1, 0.0); (504722.0, 3635475.9, 114.5, 333.1, 0.0);
(502222.0, 3632975.9, 106.9, 106.9, 0.0); (502272.0, 3632975.9, 106.9, 106.9, 0.0);
(502322.0, 3632975.9, 107.1, 107.1, 0.0); (502372.0, 3632975.9, 107.5, 107.5, 0.0);
(502422.0, 3632975.9, 107.9, 169.3, 0.0); (502472.0,

3632975.9,   108.4,   169.3,   0.0);
     (502522.0, 3632975.9,   108.1,   318.9,   0.0);   (502572.0,
3632975.9,   108.5,   318.9,   0.0);
     (502622.0, 3632975.9,   109.1,   318.9,   0.0);   (502672.0,
3632975.9,   110.1,   318.9,   0.0);
     (502722.0, 3632975.9,   111.2,   329.3,   0.0);   (502772.0,
3632975.9,   112.8,   329.9,   0.0);
     (502822.0, 3632975.9,   116.1,   329.9,   0.0);   (502872.0,
3632975.9,   122.4,   329.9,   0.0);
     (502922.0, 3632975.9,   122.8,   335.8,   0.0);   (502972.0,
3632975.9,   152.4,   318.9,   0.0);
     (503022.0, 3632975.9,   153.2,   318.9,   0.0);   (503072.0,
3632975.9,   138.8,   335.8,   0.0);
     (503122.0, 3632975.9,   127.8,   360.8,   0.0);   (503172.0,
3632975.9,   122.2,   363.3,   0.0);
     (503222.0, 3632975.9,   120.5,   363.3,   0.0);   (503272.0,
3632975.9,   120.8,   363.3,   0.0);
     (503322.0, 3632975.9,   121.7,   363.3,   0.0);   (503372.0,
3632975.9,   122.3,   363.3,   0.0);
     (503422.0, 3632975.9,   125.5,   363.3,   0.0);   (503472.0,
3632975.9,   127.5,   363.3,   0.0);
     (503622.0, 3632975.9,   137.2,   363.3,   0.0);   (503672.0,
3632975.9,   141.7,   363.3,   0.0);
     (503722.0, 3632975.9,   146.8,   363.3,   0.0);   (503772.0,
3632975.9,   154.2,   363.3,   0.0);
     (503822.0, 3632975.9,   174.0,   363.3,   0.0);   (503872.0,
3632975.9,   198.6,   360.8,   0.0);
     (503922.0, 3632975.9,   212.6,   338.4,   0.0);   (503972.0,
3632975.9,   218.4,   338.4,   0.0);
     (504022.0, 3632975.9,   229.3,   337.2,   0.0);   (504072.0,
3632975.9,   230.7,   337.5,   0.0);
     (504122.0, 3632975.9,   246.7,   329.9,   0.0);   (504172.0,
3632975.9,   248.2,   335.8,   0.0);
     (504222.0, 3632975.9,   252.1,   336.5,   0.0);   (504272.0,
3632975.9,   252.2,   337.2,   0.0);
     (504322.0, 3632975.9,   253.4,   338.4,   0.0);   (504372.0,
3632975.9,   266.4,   336.5,   0.0);
     (504422.0, 3632975.9,   272.5,   335.8,   0.0);   (504472.0,
3632975.9,   274.5,   336.5,   0.0);
     (504522.0, 3632975.9,   272.2,   338.4,   0.0);   (504572.0,
3632975.9,   274.9,   338.6,   0.0);
     (504622.0, 3632975.9,   281.7,   338.4,   0.0);   (504672.0,
3632975.9,   286.3,   337.8,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(504722.0, 3632975.9, 287.5, 338.6, 0.0); (504772.0, 3632975.9, 290.1, 338.6, 0.0);
(504822.0, 3632975.9, 304.8, 337.2, 0.0); (504872.0, 3632975.9, 316.5, 335.8, 0.0);
(504922.0, 3632975.9, 318.4, 336.5, 0.0); (504972.0, 3632975.9, 321.0, 336.5, 0.0);
(505022.0, 3632975.9, 332.2, 333.6, 0.0); (505072.0, 3632975.9, 332.3, 334.2, 0.0);
(505122.0, 3632975.9, 312.8, 338.7, 0.0); (505172.0, 3632975.9, 288.7, 363.3, 0.0);
(505222.0, 3632975.9, 272.2, 363.3, 0.0); (502222.0, 3633025.9, 104.8, 104.8, 0.0);
(502272.0, 3633025.9, 106.9, 106.9, 0.0); (502322.0, 3633025.9, 106.6, 106.6, 0.0);
(502372.0, 3633025.9, 107.2, 107.2, 0.0); (502422.0, 3633025.9, 107.8, 169.3, 0.0);
(502472.0, 3633025.9, 107.7, 169.3, 0.0); (502522.0, 3633025.9, 108.1, 318.9, 0.0);
(502572.0, 3633025.9, 108.7, 318.9, 0.0); (502622.0, 3633025.9, 109.6, 318.9, 0.0);
(502672.0, 3633025.9, 110.2, 318.9, 0.0); (502722.0, 3633025.9, 111.1, 328.1, 0.0);
(502772.0, 3633025.9, 112.3, 329.9, 0.0); (502822.0, 3633025.9, 116.4, 329.9, 0.0);
(502872.0, 3633025.9, 119.3, 335.8, 0.0); (502922.0, 3633025.9, 122.9, 335.8, 0.0);
(502972.0, 3633025.9, 151.8, 318.9, 0.0); (503022.0, 3633025.9, 146.4, 318.9, 0.0);
(503072.0, 3633025.9, 130.5, 337.5, 0.0); (503122.0, 3633025.9, 122.3, 362.2, 0.0);
(503172.0, 3633025.9, 120.5, 363.3, 0.0); (503222.0, 3633025.9, 118.9, 363.3, 0.0);
(503272.0, 3633025.9, 119.7, 363.3, 0.0); (503322.0, 3633025.9, 120.1, 363.3, 0.0);
(503372.0, 3633025.9, 121.9, 363.3, 0.0); (503422.0, 3633025.9, 127.2, 363.3, 0.0);
(503472.0, 3633025.9, 127.4, 363.3, 0.0); (503622.0, 3633025.9, 138.6, 363.3, 0.0);
(503672.0, 3633025.9, 141.9, 363.3, 0.0); (503722.0, 3633025.9, 144.9, 363.3, 0.0);
(503772.0, 3633025.9, 160.9, 363.3, 0.0); (503822.0, 3633025.9, 182.7, 363.3, 0.0);
(503872.0, 3633025.9, 204.8, 338.6, 0.0); (503922.0, 3633025.9, 218.2, 337.2, 0.0);
(503972.0, 3633025.9, 226.2, 336.5, 0.0); (504022.0,

```
3633025.9,     234.3,     333.3,       0.0);
     ( 504072.0, 3633025.9,     243.6,     329.3,       0.0);         ( 504122.0,
3633025.9,     251.0,     328.1,       0.0);
     ( 504172.0, 3633025.9,     254.1,     329.3,       0.0);         ( 504222.0,
3633025.9,     253.2,     335.8,       0.0);
     ( 504272.0, 3633025.9,     254.0,     336.5,       0.0);         ( 504322.0,
3633025.9,     255.5,     337.2,       0.0);
     ( 504372.0, 3633025.9,     267.6,     335.8,       0.0);         ( 504422.0,
3633025.9,     274.4,     333.3,       0.0);
     ( 504472.0, 3633025.9,     276.2,     335.8,       0.0);         ( 504522.0,
3633025.9,     284.5,     331.0,       0.0);
     ( 504572.0, 3633025.9,     292.8,     329.3,       0.0);         ( 504622.0,
3633025.9,     299.3,     329.3,       0.0);
     ( 504672.0, 3633025.9,     301.5,     329.3,       0.0);         ( 504722.0,
3633025.9,     301.3,     335.8,       0.0);
     ( 504772.0, 3633025.9,     299.9,     336.9,       0.0);         ( 504822.0,
3633025.9,     307.1,     336.5,       0.0);
     ( 504872.0, 3633025.9,     300.6,     337.8,       0.0);         ( 504922.0,
3633025.9,     297.0,     338.7,       0.0);
     ( 504972.0, 3633025.9,     302.8,     338.6,       0.0);         ( 505022.0,
3633025.9,     320.4,     336.0,       0.0);
     ( 505072.0, 3633025.9,     323.8,     336.0,       0.0);         ( 505122.0,
3633025.9,     305.1,     338.7,       0.0);
     ( 505172.0, 3633025.9,     281.2,     363.3,       0.0);         ( 505222.0,
3633025.9,     258.8,     363.3,       0.0);
     ( 502222.0, 3633075.9,     105.0,     105.0,       0.0);         ( 502272.0,
3633075.9,     106.7,     106.7,       0.0);
     ( 502322.0, 3633075.9,     106.9,     106.9,       0.0);         ( 502372.0,
3633075.9,     107.2,     107.2,       0.0);
     ( 502422.0, 3633075.9,     107.6,     169.3,       0.0);         ( 502472.0,
3633075.9,     107.2,     169.3,       0.0);
     ( 502522.0, 3633075.9,     107.7,     318.9,       0.0);         ( 502572.0,
3633075.9,     108.6,     318.9,       0.0);
     ( 502622.0, 3633075.9,     109.3,     318.9,       0.0);         ( 502672.0,
3633075.9,     109.4,     318.9,       0.0);
     ( 502722.0, 3633075.9,     110.8,     328.1,       0.0);         ( 502772.0,
3633075.9,     111.5,     329.9,       0.0);
     ( 502822.0, 3633075.9,     114.8,     331.0,       0.0);         ( 502872.0,
3633075.9,     116.9,     335.8,       0.0);
     ( 502922.0, 3633075.9,     119.5,     336.5,       0.0);         ( 502972.0,
3633075.9,     126.2,     336.5,       0.0);
     ( 503022.0, 3633075.9,     124.1,     338.4,       0.0);         ( 503072.0,
3633075.9,     123.1,     338.6,       0.0);
     ( 503122.0, 3633075.9,     120.4,     363.3,       0.0);         ( 503172.0,
3633075.9,     119.1,     363.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(503222.0, 3633075.9, 117.3, 363.3, 0.0); (503272.0, 3633075.9, 118.8, 363.3, 0.0);
(503322.0, 3633075.9, 120.1, 363.3, 0.0); (503372.0, 3633075.9, 122.1, 363.3, 0.0);
(503422.0, 3633075.9, 126.9, 363.3, 0.0); (503472.0, 3633075.9, 127.2, 363.3, 0.0);
(503622.0, 3633075.9, 139.7, 363.3, 0.0); (503672.0, 3633075.9, 144.3, 363.3, 0.0);
(503722.0, 3633075.9, 148.0, 363.3, 0.0); (503772.0, 3633075.9, 164.9, 363.3, 0.0);
(503822.0, 3633075.9, 189.2, 360.8, 0.0); (503872.0, 3633075.9, 213.6, 336.5, 0.0);
(503922.0, 3633075.9, 221.3, 335.8, 0.0); (503972.0, 3633075.9, 223.8, 336.5, 0.0);
(504022.0, 3633075.9, 235.4, 329.9, 0.0); (504072.0, 3633075.9, 244.1, 329.3, 0.0);
(504122.0, 3633075.9, 250.4, 328.1, 0.0); (504172.0, 3633075.9, 253.3, 329.3, 0.0);
(504222.0, 3633075.9, 253.3, 333.3, 0.0); (504272.0, 3633075.9, 253.6, 336.5, 0.0);
(504322.0, 3633075.9, 251.6, 337.5, 0.0); (504372.0, 3633075.9, 265.5, 335.8, 0.0);
(504422.0, 3633075.9, 268.4, 336.5, 0.0); (504472.0, 3633075.9, 280.1, 329.9, 0.0);
(504522.0, 3633075.9, 295.0, 318.9, 0.0); (504572.0, 3633075.9, 306.4, 318.9, 0.0);
(504622.0, 3633075.9, 316.2, 316.2, 0.0); (504672.0, 3633075.9, 316.2, 316.2, 0.0);
(504722.0, 3633075.9, 313.6, 317.4, 0.0); (504772.0, 3633075.9, 304.6, 333.6, 0.0);
(504822.0, 3633075.9, 299.1, 336.9, 0.0); (504872.0, 3633075.9, 286.8, 338.7, 0.0);
(504922.0, 3633075.9, 274.0, 362.2, 0.0); (504972.0, 3633075.9, 285.5, 338.7, 0.0);
(505022.0, 3633075.9, 303.1, 338.1, 0.0); (505072.0, 3633075.9, 311.9, 337.0, 0.0);
(505122.0, 3633075.9, 299.4, 338.7, 0.0); (505172.0, 3633075.9, 275.2, 363.3, 0.0);
(505222.0, 3633075.9, 255.3, 363.3, 0.0); (502222.0, 3633125.9, 105.9, 105.9, 0.0);
(502272.0, 3633125.9, 106.5, 106.5, 0.0); (502322.0, 3633125.9, 106.7, 106.7, 0.0);
(502372.0, 3633125.9, 106.9, 106.9, 0.0); (502422.0,

```
3633125.9,     107.4,     107.4,       0.0);
     ( 502472.0, 3633125.9,     107.3,     169.3,       0.0);         ( 502522.0,
3633125.9,     107.7,     318.9,       0.0);
     ( 502572.0, 3633125.9,     108.1,     318.9,       0.0);         ( 502622.0,
3633125.9,     108.6,     318.9,       0.0);
     ( 502672.0, 3633125.9,     109.6,     318.9,       0.0);         ( 502722.0,
3633125.9,     110.1,     329.3,       0.0);
     ( 502772.0, 3633125.9,     111.7,     329.9,       0.0);         ( 502822.0,
3633125.9,     112.6,     335.8,       0.0);
     ( 502872.0, 3633125.9,     115.2,     336.5,       0.0);         ( 502922.0,
3633125.9,     116.4,     337.2,       0.0);
     ( 502972.0, 3633125.9,     119.2,     337.5,       0.0);         ( 503022.0,
3633125.9,     120.9,     338.6,       0.0);
     ( 503072.0, 3633125.9,     119.7,     338.6,       0.0);         ( 503122.0,
3633125.9,     118.6,     363.3,       0.0);
     ( 503172.0, 3633125.9,     117.4,     363.3,       0.0);         ( 503222.0,
3633125.9,     116.9,     363.3,       0.0);
     ( 503272.0, 3633125.9,     117.8,     363.3,       0.0);         ( 503322.0,
3633125.9,     118.4,     363.3,       0.0);
     ( 503372.0, 3633125.9,     121.5,     363.3,       0.0);         ( 503422.0,
3633125.9,     126.8,     363.3,       0.0);
     ( 503472.0, 3633125.9,     127.1,     363.3,       0.0);         ( 503622.0,
3633125.9,     141.3,     363.3,       0.0);
     ( 503672.0, 3633125.9,     147.8,     363.3,       0.0);         ( 503722.0,
3633125.9,     151.9,     363.3,       0.0);
     ( 503772.0, 3633125.9,     173.5,     363.3,       0.0);         ( 503822.0,
3633125.9,     195.8,     338.6,       0.0);
     ( 503872.0, 3633125.9,     215.7,     335.8,       0.0);         ( 503922.0,
3633125.9,     221.0,     335.8,       0.0);
     ( 503972.0, 3633125.9,     223.1,     336.5,       0.0);         ( 504022.0,
3633125.9,     240.2,     328.1,       0.0);
     ( 504072.0, 3633125.9,     243.6,     329.3,       0.0);         ( 504122.0,
3633125.9,     244.4,     329.9,       0.0);
     ( 504172.0, 3633125.9,     246.0,     335.8,       0.0);         ( 504222.0,
3633125.9,     247.2,     336.5,       0.0);
     ( 504272.0, 3633125.9,     246.4,     337.5,       0.0);         ( 504322.0,
3633125.9,     248.9,     337.5,       0.0);
     ( 504372.0, 3633125.9,     254.3,     337.5,       0.0);         ( 504422.0,
3633125.9,     258.3,     337.5,       0.0);
     ( 504472.0, 3633125.9,     275.0,     335.8,       0.0);         ( 504522.0,
3633125.9,     295.1,     318.9,       0.0);
     ( 504572.0, 3633125.9,     312.2,     318.9,       0.0);         ( 504622.0,
3633125.9,     315.9,     318.9,       0.0);
     ( 504672.0, 3633125.9,     311.2,     318.9,       0.0);         ( 504722.0,
3633125.9,     308.9,     318.3,       0.0);
     ( 504772.0, 3633125.9,     301.1,     334.2,       0.0);         ( 504822.0,
3633125.9,     291.8,     337.8,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(504872.0, 3633125.9, 273.5, 338.7, 0.0); (504922.0, 3633125.9, 252.5, 363.3, 0.0);
(504972.0, 3633125.9, 263.1, 363.3, 0.0); (505022.0, 3633125.9, 285.6, 338.7, 0.0);
(505072.0, 3633125.9, 308.2, 337.0, 0.0); (505122.0, 3633125.9, 295.4, 338.7, 0.0);
(505172.0, 3633125.9, 272.3, 363.3, 0.0); (505222.0, 3633125.9, 249.6, 363.3, 0.0);
(502222.0, 3633175.9, 105.7, 105.7, 0.0); (502272.0, 3633175.9, 105.8, 105.8, 0.0);
(502322.0, 3633175.9, 106.0, 106.0, 0.0); (502372.0, 3633175.9, 107.2, 107.2, 0.0);
(502422.0, 3633175.9, 108.0, 108.0, 0.0); (502472.0, 3633175.9, 107.9, 169.3, 0.0);
(502522.0, 3633175.9, 108.3, 318.9, 0.0); (502572.0, 3633175.9, 108.8, 318.9, 0.0);
(502622.0, 3633175.9, 109.4, 318.9, 0.0); (502672.0, 3633175.9, 110.4, 318.9, 0.0);
(502722.0, 3633175.9, 112.3, 318.9, 0.0); (502772.0, 3633175.9, 113.5, 329.3, 0.0);
(502822.0, 3633175.9, 114.8, 329.9, 0.0); (502872.0, 3633175.9, 113.8, 336.5, 0.0);
(502922.0, 3633175.9, 115.0, 337.2, 0.0); (502972.0, 3633175.9, 115.3, 338.4, 0.0);
(503022.0, 3633175.9, 116.5, 338.6, 0.0); (503072.0, 3633175.9, 116.3, 360.8, 0.0);
(503122.0, 3633175.9, 116.9, 363.3, 0.0); (503172.0, 3633175.9, 115.9, 363.3, 0.0);
(503222.0, 3633175.9, 117.0, 363.3, 0.0); (503272.0, 3633175.9, 118.1, 363.3, 0.0);
(503322.0, 3633175.9, 118.5, 363.3, 0.0); (503372.0, 3633175.9, 121.8, 363.3, 0.0);
(503422.0, 3633175.9, 126.0, 363.3, 0.0); (503472.0, 3633175.9, 127.7, 363.3, 0.0);
(503622.0, 3633175.9, 146.4, 363.3, 0.0); (503672.0, 3633175.9, 149.1, 363.3, 0.0);
(503722.0, 3633175.9, 159.8, 363.3, 0.0); (503772.0, 3633175.9, 182.0, 338.7, 0.0);
(503822.0, 3633175.9, 202.9, 337.2, 0.0); (503872.0, 3633175.9, 219.0, 329.9, 0.0);
(503922.0, 3633175.9, 219.4, 335.8, 0.0); (503972.0,

3633175.9,   221.7,   336.5,   0.0);
     (504022.0, 3633175.9,   238.8,   328.1,   0.0);   (504072.0,
3633175.9,   239.8,   329.3,   0.0);
     (504122.0, 3633175.9,   236.5,   336.5,   0.0);   (504172.0,
3633175.9,   231.6,   338.4,   0.0);
     (504222.0, 3633175.9,   235.1,   338.4,   0.0);   (504272.0,
3633175.9,   238.0,   338.6,   0.0);
     (504322.0, 3633175.9,   240.9,   338.6,   0.0);   (504372.0,
3633175.9,   235.6,   338.7,   0.0);
     (504422.0, 3633175.9,   247.7,   338.6,   0.0);   (504472.0,
3633175.9,   268.1,   336.5,   0.0);
     (504522.0, 3633175.9,   291.4,   318.9,   0.0);   (504572.0,
3633175.9,   307.5,   318.9,   0.0);
     (504622.0, 3633175.9,   301.2,   318.9,   0.0);   (504672.0,
3633175.9,   290.2,   334.2,   0.0);
     (504722.0, 3633175.9,   287.6,   336.5,   0.0);   (504772.0,
3633175.9,   283.6,   337.8,   0.0);
     (504822.0, 3633175.9,   278.8,   338.7,   0.0);   (504872.0,
3633175.9,   260.7,   362.2,   0.0);
     (504922.0, 3633175.9,   237.8,   363.3,   0.0);   (504972.0,
3633175.9,   255.4,   363.3,   0.0);
     (505022.0, 3633175.9,   283.1,   338.7,   0.0);   (505072.0,
3633175.9,   297.9,   338.0,   0.0);
     (505122.0, 3633175.9,   287.4,   338.7,   0.0);   (505172.0,
3633175.9,   269.0,   363.3,   0.0);
     (505222.0, 3633175.9,   250.2,   363.3,   0.0);   (502222.0,
3633225.9,   105.8,   105.8,   0.0);
     (502272.0, 3633225.9,   106.3,   106.3,   0.0);   (502322.0,
3633225.9,   106.3,   106.3,   0.0);
     (502372.0, 3633225.9,   107.7,   107.7,   0.0);   (502422.0,
3633225.9,   108.2,   108.2,   0.0);
     (502472.0, 3633225.9,   107.6,   107.6,   0.0);   (502522.0,
3633225.9,   108.2,   318.9,   0.0);
     (502572.0, 3633225.9,   108.6,   318.9,   0.0);   (502622.0,
3633225.9,   109.4,   318.9,   0.0);
     (502672.0, 3633225.9,   110.3,   318.9,   0.0);   (502722.0,
3633225.9,   112.5,   318.9,   0.0);
     (502772.0, 3633225.9,   112.7,   329.3,   0.0);   (502822.0,
3633225.9,   113.9,   329.9,   0.0);
     (502872.0, 3633225.9,   114.3,   336.5,   0.0);   (502922.0,
3633225.9,   114.2,   337.2,   0.0);
     (502972.0, 3633225.9,   114.1,   338.6,   0.0);   (503022.0,
3633225.9,   114.8,   338.6,   0.0);
     (503072.0, 3633225.9,   114.8,   360.8,   0.0);   (503122.0,
3633225.9,   114.5,   363.3,   0.0);
     (503172.0, 3633225.9,   115.3,   363.3,   0.0);   (503222.0,
3633225.9,   116.5,   363.3,   0.0);
     (503272.0, 3633225.9,   117.5,   363.3,   0.0);   (503322.0,
3633225.9,   119.2,   363.3,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(503372.0, 3633225.9, 123.2, 363.3, 0.0); (503422.0, 3633225.9, 125.7, 363.3, 0.0);
(503472.0, 3633225.9, 129.2, 363.3, 0.0); (503622.0, 3633225.9, 146.1, 363.3, 0.0);
(503672.0, 3633225.9, 151.9, 363.3, 0.0); (503722.0, 3633225.9, 165.6, 363.3, 0.0);
(503772.0, 3633225.9, 183.5, 338.7, 0.0); (503822.0, 3633225.9, 207.5, 336.5, 0.0);
(503872.0, 3633225.9, 216.3, 333.3, 0.0); (503922.0, 3633225.9, 219.3, 335.8, 0.0);
(503972.0, 3633225.9, 219.8, 336.5, 0.0); (504022.0, 3633225.9, 225.4, 336.5, 0.0);
(504072.0, 3633225.9, 225.0, 337.2, 0.0); (504122.0, 3633225.9, 221.0, 338.6, 0.0);
(504172.0, 3633225.9, 219.4, 338.7, 0.0); (504222.0, 3633225.9, 232.5, 338.6, 0.0);
(504272.0, 3633225.9, 234.6, 338.6, 0.0); (504322.0, 3633225.9, 226.7, 338.7, 0.0);
(504372.0, 3633225.9, 222.8, 363.3, 0.0); (504422.0, 3633225.9, 237.8, 338.7, 0.0);
(504472.0, 3633225.9, 255.9, 337.8, 0.0); (504522.0, 3633225.9, 276.0, 333.6, 0.0);
(504572.0, 3633225.9, 286.0, 318.9, 0.0); (504622.0, 3633225.9, 279.0, 336.5, 0.0);
(504672.0, 3633225.9, 264.0, 338.7, 0.0); (504722.0, 3633225.9, 259.5, 338.7, 0.0);
(504772.0, 3633225.9, 262.6, 338.7, 0.0); (504822.0, 3633225.9, 251.0, 363.3, 0.0);
(504872.0, 3633225.9, 243.8, 363.3, 0.0); (504922.0, 3633225.9, 228.8, 363.3, 0.0);
(504972.0, 3633225.9, 243.7, 363.3, 0.0); (505022.0, 3633225.9, 264.9, 362.2, 0.0);
(505072.0, 3633225.9, 271.1, 338.7, 0.0); (505122.0, 3633225.9, 272.2, 352.4, 0.0);
(505172.0, 3633225.9, 273.7, 352.4, 0.0); (505222.0, 3633225.9, 256.1, 363.3, 0.0);
(502222.0, 3633275.9, 105.6, 105.6, 0.0); (502272.0, 3633275.9, 106.0, 106.0, 0.0);
(502322.0, 3633275.9, 107.0, 107.0, 0.0); (502372.0,

3633275.9,   107.7,   107.7,   0.0);
     (502422.0, 3633275.9,   107.8,   107.8,   0.0);   (502472.0,
3633275.9,   108.1,   108.1,   0.0);
     (502522.0, 3633275.9,   108.5,   318.9,   0.0);   (502572.0,
3633275.9,   108.8,   318.9,   0.0);
     (502622.0, 3633275.9,   109.7,   318.9,   0.0);   (502672.0,
3633275.9,   110.3,   318.9,   0.0);
     (502722.0, 3633275.9,   111.0,   318.9,   0.0);   (502772.0,
3633275.9,   112.7,   329.3,   0.0);
     (502822.0, 3633275.9,   116.4,   329.3,   0.0);   (502872.0,
3633275.9,   114.3,   335.8,   0.0);
     (502922.0, 3633275.9,   113.5,   337.2,   0.0);   (502972.0,
3633275.9,   113.5,   338.4,   0.0);
     (503022.0, 3633275.9,   114.3,   338.6,   0.0);   (503072.0,
3633275.9,   114.0,   338.7,   0.0);
     (503122.0, 3633275.9,   113.5,   363.3,   0.0);   (503172.0,
3633275.9,   114.0,   363.3,   0.0);
     (503222.0, 3633275.9,   115.4,   363.3,   0.0);   (503272.0,
3633275.9,   118.3,   363.3,   0.0);
     (503322.0, 3633275.9,   119.3,   363.3,   0.0);   (503372.0,
3633275.9,   122.8,   363.3,   0.0);
     (503422.0, 3633275.9,   126.2,   363.3,   0.0);   (503472.0,
3633275.9,   147.4,   362.2,   0.0);
     (503622.0, 3633275.9,   151.0,   363.3,   0.0);   (503672.0,
3633275.9,   156.6,   363.3,   0.0);
     (503722.0, 3633275.9,   172.1,   360.8,   0.0);   (503772.0,
3633275.9,   190.1,   338.4,   0.0);
     (503822.0, 3633275.9,   212.1,   329.9,   0.0);   (503872.0,
3633275.9,   215.9,   329.9,   0.0);
     (503922.0, 3633275.9,   212.6,   336.5,   0.0);   (503972.0,
3633275.9,   202.9,   338.6,   0.0);
     (504022.0, 3633275.9,   205.9,   338.7,   0.0);   (504072.0,
3633275.9,   210.8,   338.7,   0.0);
     (504122.0, 3633275.9,   205.6,   360.8,   0.0);   (504172.0,
3633275.9,   212.9,   338.7,   0.0);
     (504222.0, 3633275.9,   224.2,   338.7,   0.0);   (504272.0,
3633275.9,   225.0,   338.7,   0.0);
     (504322.0, 3633275.9,   213.8,   363.3,   0.0);   (504372.0,
3633275.9,   206.8,   363.3,   0.0);
     (504422.0, 3633275.9,   220.8,   363.3,   0.0);   (504472.0,
3633275.9,   239.2,   338.7,   0.0);
     (504522.0, 3633275.9,   256.8,   337.8,   0.0);   (504572.0,
3633275.9,   262.4,   337.8,   0.0);
     (504622.0, 3633275.9,   253.7,   338.7,   0.0);   (504672.0,
3633275.9,   240.9,   362.2,   0.0);
     (504722.0, 3633275.9,   242.2,   363.3,   0.0);   (504772.0,
3633275.9,   259.1,   338.7,   0.0);
     (504822.0, 3633275.9,   244.7,   363.3,   0.0);   (504872.0,
3633275.9,   229.5,   363.3,   0.0);
     (504922.0, 3633275.9,   218.0,   363.3,   0.0);   (504972.0,

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (505022.0, 3633275.9,   241.2,   363.3,   0.0);   (505072.0, 3633275.9,   243.4,   363.3,   0.0);
     (505122.0, 3633275.9,   250.5,   363.3,   0.0);   (505172.0, 3633275.9,   268.6,   352.4,   0.0);
     (505222.0, 3633275.9,   256.1,   363.3,   0.0);   (502222.0, 3633325.9,   105.7,   105.7,   0.0);
     (502272.0, 3633325.9,   106.3,   106.3,   0.0);   (502322.0, 3633325.9,   107.0,   107.0,   0.0);
     (502372.0, 3633325.9,   107.4,   107.4,   0.0);   (502422.0, 3633325.9,   107.7,   107.7,   0.0);
     (502472.0, 3633325.9,   107.6,   107.6,   0.0);   (502522.0, 3633325.9,   108.3,   318.9,   0.0);
     (502572.0, 3633325.9,   108.8,   318.9,   0.0);   (502622.0, 3633325.9,   109.5,   318.9,   0.0);
     (502672.0, 3633325.9,   110.2,   318.9,   0.0);   (502722.0, 3633325.9,   110.9,   318.9,   0.0);
     (502772.0, 3633325.9,   113.2,   328.1,   0.0);   (502822.0, 3633325.9,   113.9,   329.9,   0.0);
     (502872.0, 3633325.9,   112.5,   336.5,   0.0);   (502922.0, 3633325.9,   112.7,   337.2,   0.0);
     (502972.0, 3633325.9,   113.1,   338.4,   0.0);   (503022.0, 3633325.9,   113.4,   338.6,   0.0);
     (503072.0, 3633325.9,   113.1,   338.7,   0.0);   (503122.0, 3633325.9,   112.8,   362.2,   0.0);
     (503172.0, 3633325.9,   113.0,   363.3,   0.0);   (503222.0, 3633325.9,   113.6,   363.3,   0.0);
     (503272.0, 3633325.9,   118.6,   363.3,   0.0);   (503322.0, 3633325.9,   119.8,   363.3,   0.0);
     (503372.0, 3633325.9,   123.5,   363.3,   0.0);   (503422.0, 3633325.9,   135.8,   363.3,   0.0);
     (503472.0, 3633325.9,   157.7,   338.6,   0.0);   (503622.0, 3633325.9,   156.3,   363.3,   0.0);
     (503672.0, 3633325.9,   162.7,   362.2,   0.0);   (503722.0, 3633325.9,   181.6,   338.6,   0.0);
     (503772.0, 3633325.9,   192.6,   337.2,   0.0);   (503822.0, 3633325.9,   207.5,   333.6,   0.0);
     (503872.0, 3633325.9,   212.5,   333.6,   0.0);   (503922.0,

```
3633325.9,     198.5,     338.6,       0.0);
     ( 503972.0, 3633325.9,     186.0,     362.2,       0.0);         ( 504022.0,
3633325.9,     190.6,     362.2,       0.0);
     ( 504072.0, 3633325.9,     197.6,     360.8,       0.0);         ( 504122.0,
3633325.9,     191.2,     363.3,       0.0);
     ( 504172.0, 3633325.9,     205.1,     360.8,       0.0);         ( 504222.0,
3633325.9,     217.2,     338.7,       0.0);
     ( 504272.0, 3633325.9,     211.8,     362.2,       0.0);         ( 504322.0,
3633325.9,     197.3,     363.3,       0.0);
     ( 504372.0, 3633325.9,     193.0,     363.3,       0.0);         ( 504422.0,
3633325.9,     206.7,     363.3,       0.0);
     ( 504472.0, 3633325.9,     224.0,     362.2,       0.0);         ( 504522.0,
3633325.9,     239.8,     338.7,       0.0);
     ( 504572.0, 3633325.9,     240.9,     338.7,       0.0);         ( 504622.0,
3633325.9,     232.9,     363.3,       0.0);
     ( 504672.0, 3633325.9,     222.1,     363.3,       0.0);         ( 504722.0,
3633325.9,     227.6,     363.3,       0.0);
     ( 504772.0, 3633325.9,     244.2,     362.2,       0.0);         ( 504822.0,
3633325.9,     239.5,     363.3,       0.0);
     ( 504872.0, 3633325.9,     215.9,     363.3,       0.0);         ( 504922.0,
3633325.9,     206.4,     363.3,       0.0);
     ( 504972.0, 3633325.9,     213.4,     363.3,       0.0);         ( 505022.0,
3633325.9,     219.5,     363.3,       0.0);
     ( 505072.0, 3633325.9,     220.5,     363.3,       0.0);         ( 505122.0,
3633325.9,     240.8,     363.3,       0.0);
     ( 505172.0, 3633325.9,     258.5,     362.2,       0.0);         ( 505222.0,
3633325.9,     244.6,     363.3,       0.0);
     ( 502222.0, 3633375.9,     106.2,     106.2,       0.0);         ( 502272.0,
3633375.9,     106.5,     106.5,       0.0);
     ( 502322.0, 3633375.9,     106.7,     106.7,       0.0);         ( 502372.0,
3633375.9,     107.0,     107.0,       0.0);
     ( 502422.0, 3633375.9,     107.3,     107.3,       0.0);         ( 502472.0,
3633375.9,     107.6,     107.6,       0.0);
     ( 502522.0, 3633375.9,     108.1,     317.2,       0.0);         ( 502572.0,
3633375.9,     108.7,     318.9,       0.0);
     ( 502622.0, 3633375.9,     109.3,     318.9,       0.0);         ( 502672.0,
3633375.9,     109.9,     318.9,       0.0);
     ( 502722.0, 3633375.9,     110.6,     318.9,       0.0);         ( 502772.0,
3633375.9,     111.3,     329.3,       0.0);
     ( 502822.0, 3633375.9,     111.8,     329.9,       0.0);         ( 502872.0,
3633375.9,     111.8,     336.5,       0.0);
     ( 502922.0, 3633375.9,     112.1,     337.2,       0.0);         ( 502972.0,
3633375.9,     112.4,     338.4,       0.0);
     ( 503022.0, 3633375.9,     112.7,     338.6,       0.0);         ( 503072.0,
3633375.9,     112.5,     338.7,       0.0);
     ( 503122.0, 3633375.9,     112.3,     360.8,       0.0);         ( 503172.0,
3633375.9,     112.4,     363.3,       0.0);
     ( 503222.0, 3633375.9,     113.1,     363.3,       0.0);         ( 503272.0,
3633375.9,     113.5,     363.3,       0.0);
     ( 503322.0, 3633375.9,     116.2,     363.3,       0.0);         ( 503372.0,
```

3633375.9,   123.1,   363.3,   0.0);
     (503422.0, 3633375.9,   143.3,   338.7,   0.0);   (503472.0,
3633375.9,   146.7,   338.7,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (503622.0, 3633375.9,   152.7,   363.3,   0.0);   (503672.0,
3633375.9,   161.6,   360.8,   0.0);
     (503722.0, 3633375.9,   176.8,   338.6,   0.0);   (503772.0,
3633375.9,   184.3,   338.6,   0.0);
     (503822.0, 3633375.9,   185.9,   338.6,   0.0);   (503872.0,
3633375.9,   194.3,   338.6,   0.0);
     (503922.0, 3633375.9,   183.8,   360.8,   0.0);   (503972.0,
3633375.9,   173.1,   363.3,   0.0);
     (504022.0, 3633375.9,   179.6,   363.3,   0.0);   (504072.0,
3633375.9,   186.6,   363.3,   0.0);
     (504122.0, 3633375.9,   180.4,   363.3,   0.0);   (504172.0,
3633375.9,   198.7,   363.3,   0.0);
     (504222.0, 3633375.9,   202.8,   362.2,   0.0);   (504272.0,
3633375.9,   192.8,   363.3,   0.0);
     (504322.0, 3633375.9,   182.1,   363.3,   0.0);   (504372.0,
3633375.9,   180.2,   363.3,   0.0);
     (504422.0, 3633375.9,   195.5,   363.3,   0.0);   (504472.0,
3633375.9,   213.4,   363.3,   0.0);
     (504522.0, 3633375.9,   227.7,   360.8,   0.0);   (504572.0,
3633375.9,   223.4,   363.3,   0.0);
     (504622.0, 3633375.9,   215.6,   363.3,   0.0);   (504672.0,
3633375.9,   205.4,   363.3,   0.0);
     (504722.0, 3633375.9,   215.3,   363.3,   0.0);   (504772.0,
3633375.9,   230.3,   363.3,   0.0);
     (504822.0, 3633375.9,   223.0,   363.3,   0.0);   (504872.0,
3633375.9,   199.1,   363.3,   0.0);
     (504922.0, 3633375.9,   196.3,   363.3,   0.0);   (504972.0,
3633375.9,   199.2,   363.3,   0.0);
     (505022.0, 3633375.9,   203.7,   363.3,   0.0);   (505072.0,
3633375.9,   216.9,   363.3,   0.0);
     (505122.0, 3633375.9,   237.4,   363.3,   0.0);   (505172.0,
3633375.9,   247.7,   363.3,   0.0);
     (505222.0, 3633375.9,   230.3,   363.3,   0.0);   (502222.0,
3633425.9,   105.7,   105.7,   0.0);
     (502272.0, 3633425.9,   105.6,   105.6,   0.0);   (502322.0,

```
3633425.9,     105.5,     105.5,       0.0);
     ( 502372.0, 3633425.9,     105.7,     105.7,       0.0);         ( 502422.0,
3633425.9,     106.3,     106.3,       0.0);
     ( 502472.0, 3633425.9,     108.2,     108.2,       0.0);         ( 502522.0,
3633425.9,     108.4,     108.4,       0.0);
     ( 502572.0, 3633425.9,     108.6,     318.9,       0.0);         ( 502622.0,
3633425.9,     109.1,     318.9,       0.0);
     ( 502672.0, 3633425.9,     109.2,     318.9,       0.0);         ( 502722.0,
3633425.9,     109.5,     318.9,       0.0);
     ( 502772.0, 3633425.9,     110.0,     329.3,       0.0);         ( 502822.0,
3633425.9,     110.3,     329.9,       0.0);
     ( 502872.0, 3633425.9,     110.7,     335.8,       0.0);         ( 502922.0,
3633425.9,     111.5,     337.2,       0.0);
     ( 502972.0, 3633425.9,     111.8,     337.5,       0.0);         ( 503022.0,
3633425.9,     111.7,     338.6,       0.0);
     ( 503072.0, 3633425.9,     112.0,     338.7,       0.0);         ( 503122.0,
3633425.9,     111.4,     360.8,       0.0);
     ( 503172.0, 3633425.9,     111.9,     362.2,       0.0);         ( 503222.0,
3633425.9,     112.5,     363.3,       0.0);
     ( 503272.0, 3633425.9,     113.1,     363.3,       0.0);         ( 503322.0,
3633425.9,     116.2,     363.3,       0.0);
     ( 503372.0, 3633425.9,     127.9,     363.3,       0.0);         ( 503422.0,
3633425.9,     139.1,     357.4,       0.0);
     ( 503472.0, 3633425.9,     139.7,     362.2,       0.0);         ( 503622.0,
3633425.9,     142.9,     363.3,       0.0);
     ( 503672.0, 3633425.9,     153.2,     363.3,       0.0);         ( 503722.0,
3633425.9,     168.2,     338.7,       0.0);
     ( 503772.0, 3633425.9,     175.9,     338.7,       0.0);         ( 503822.0,
3633425.9,     176.7,     338.7,       0.0);
     ( 503872.0, 3633425.9,     177.4,     357.4,       0.0);         ( 503922.0,
3633425.9,     167.5,     363.3,       0.0);
     ( 503972.0, 3633425.9,     165.3,     363.3,       0.0);         ( 504022.0,
3633425.9,     171.6,     363.3,       0.0);
     ( 504072.0, 3633425.9,     176.2,     363.3,       0.0);         ( 504122.0,
3633425.9,     171.0,     363.3,       0.0);
     ( 504172.0, 3633425.9,     183.2,     363.3,       0.0);         ( 504222.0,
3633425.9,     181.1,     363.3,       0.0);
     ( 504272.0, 3633425.9,     172.6,     363.3,       0.0);         ( 504322.0,
3633425.9,     165.3,     363.3,       0.0);
     ( 504372.0, 3633425.9,     173.4,     363.3,       0.0);         ( 504422.0,
3633425.9,     187.2,     363.3,       0.0);
     ( 504472.0, 3633425.9,     202.2,     363.3,       0.0);         ( 504522.0,
3633425.9,     215.1,     363.3,       0.0);
     ( 504572.0, 3633425.9,     209.1,     363.3,       0.0);         ( 504622.0,
3633425.9,     198.7,     363.3,       0.0);
     ( 504672.0, 3633425.9,     194.4,     363.3,       0.0);         ( 504722.0,
3633425.9,     196.7,     363.3,       0.0);
     ( 504772.0, 3633425.9,     205.7,     363.3,       0.0);         ( 504822.0,
3633425.9,     208.8,     363.3,       0.0);
     ( 504872.0, 3633425.9,     188.5,     363.3,       0.0);         ( 504922.0,
```

3633425.9,   189.9,   363.3,   0.0);
     (504972.0, 3633425.9,   194.7,   363.3,   0.0);   (505022.0,
3633425.9,   212.1,   363.3,   0.0);
     (505072.0, 3633425.9,   227.3,   363.3,   0.0);   (505122.0,
3633425.9,   237.2,   363.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (505172.0, 3633425.9,   236.2,   363.3,   0.0);   (505222.0,
3633425.9,   217.1,   363.3,   0.0);
     (502222.0, 3633475.9,   105.4,   105.4,   0.0);   (502272.0,
3633475.9,   105.2,   105.2,   0.0);
     (502322.0, 3633475.9,   105.3,   105.3,   0.0);   (502372.0,
3633475.9,   105.6,   105.6,   0.0);
     (502422.0, 3633475.9,   106.2,   106.2,   0.0);   (502472.0,
3633475.9,   108.5,   108.5,   0.0);
     (502522.0, 3633475.9,   107.8,   107.8,   0.0);   (502572.0,
3633475.9,   107.9,   318.9,   0.0);
     (502622.0, 3633475.9,   108.6,   318.9,   0.0);   (502672.0,
3633475.9,   108.6,   318.9,   0.0);
     (504772.0, 3633475.9,   181.2,   363.3,   0.0);   (504822.0,
3633475.9,   180.3,   363.3,   0.0);
     (504872.0, 3633475.9,   180.9,   363.3,   0.0);   (504922.0,
3633475.9,   181.3,   363.3,   0.0);
     (504972.0, 3633475.9,   191.1,   363.3,   0.0);   (505022.0,
3633475.9,   211.9,   363.3,   0.0);
     (505072.0, 3633475.9,   224.4,   363.3,   0.0);   (505122.0,
3633475.9,   229.5,   363.3,   0.0);
     (505172.0, 3633475.9,   228.6,   363.3,   0.0);   (505222.0,
3633475.9,   213.1,   363.3,   0.0);
     (502222.0, 3633525.9,   105.9,   114.0,   0.0);   (502272.0,
3633525.9,   105.6,   105.6,   0.0);
     (502322.0, 3633525.9,   105.4,   105.4,   0.0);   (502372.0,
3633525.9,   106.3,   106.3,   0.0);
     (502422.0, 3633525.9,   107.3,   107.3,   0.0);   (502472.0,
3633525.9,   108.8,   108.8,   0.0);
     (502522.0, 3633525.9,   107.4,   107.4,   0.0);   (502572.0,
3633525.9,   106.3,   318.9,   0.0);
     (502622.0, 3633525.9,   107.0,   318.9,   0.0);   (502672.0,
3633525.9,   107.3,   318.9,   0.0);
     (504772.0, 3633525.9,   178.5,   363.3,   0.0);   (504822.0,

3633525.9,   180.3,   363.3,   0.0);
     (504872.0, 3633525.9,   180.7,   363.3,   0.0);   (504922.0,
3633525.9,   180.2,   363.3,   0.0);
     (504972.0, 3633525.9,   180.3,   363.3,   0.0);   (505022.0,
3633525.9,   192.2,   363.3,   0.0);
     (505072.0, 3633525.9,   209.7,   363.3,   0.0);   (505122.0,
3633525.9,   223.2,   363.3,   0.0);
     (505172.0, 3633525.9,   221.7,   363.3,   0.0);   (505222.0,
3633525.9,   210.8,   363.3,   0.0);
     (502222.0, 3633575.9,   108.1,   114.0,   0.0);   (502272.0,
3633575.9,   105.6,   105.6,   0.0);
     (502322.0, 3633575.9,   105.3,   105.3,   0.0);   (502372.0,
3633575.9,   106.4,   106.4,   0.0);
     (502422.0, 3633575.9,   106.9,   106.9,   0.0);   (502472.0,
3633575.9,   106.7,   106.7,   0.0);
     (502522.0, 3633575.9,   106.3,   106.3,   0.0);   (502572.0,
3633575.9,   106.2,   318.9,   0.0);
     (502622.0, 3633575.9,   106.4,   318.9,   0.0);   (502672.0,
3633575.9,   106.6,   318.9,   0.0);
     (504772.0, 3633575.9,   178.5,   363.3,   0.0);   (504822.0,
3633575.9,   178.7,   363.3,   0.0);
     (504872.0, 3633575.9,   178.0,   363.3,   0.0);   (504922.0,
3633575.9,   180.1,   363.3,   0.0);
     (504972.0, 3633575.9,   177.2,   363.3,   0.0);   (505022.0,
3633575.9,   180.2,   363.3,   0.0);
     (505072.0, 3633575.9,   194.3,   363.3,   0.0);   (505122.0,
3633575.9,   211.0,   363.3,   0.0);
     (505172.0, 3633575.9,   212.3,   363.3,   0.0);   (505222.0,
3633575.9,   200.4,   363.3,   0.0);
     (502222.0, 3633625.9,   109.6,   109.6,   0.0);   (502272.0,
3633625.9,   105.2,   113.5,   0.0);
     (502322.0, 3633625.9,   105.8,   105.8,   0.0);   (502372.0,
3633625.9,   106.3,   106.3,   0.0);
     (502422.0, 3633625.9,   107.2,   107.2,   0.0);   (502472.0,
3633625.9,   106.2,   106.2,   0.0);
     (502522.0, 3633625.9,   107.2,   107.2,   0.0);   (502572.0,
3633625.9,   107.2,   318.9,   0.0);
     (502622.0, 3633625.9,   107.3,   318.9,   0.0);   (502672.0,
3633625.9,   107.0,   318.9,   0.0);
     (504772.0, 3633625.9,   178.3,   363.3,   0.0);   (504822.0,
3633625.9,   171.8,   363.3,   0.0);
     (504872.0, 3633625.9,   175.1,   363.3,   0.0);   (504922.0,
3633625.9,   176.0,   363.3,   0.0);
     (504972.0, 3633625.9,   173.2,   363.3,   0.0);   (505022.0,
3633625.9,   174.4,   363.3,   0.0);
     (505072.0, 3633625.9,   187.1,   363.3,   0.0);   (505122.0,
3633625.9,   199.3,   363.3,   0.0);
     (505172.0, 3633625.9,   203.5,   363.3,   0.0);   (505222.0,
3633625.9,   192.7,   363.3,   0.0);
     (502222.0, 3633675.9,   107.5,   113.5,   0.0);   (502272.0,

3633675.9,   104.8,   113.5,   0.0);
     (502322.0, 3633675.9,   105.3,   105.3,   0.0);   (502372.0,
3633675.9,   105.3,   105.3,   0.0);
     (502422.0, 3633675.9,   106.6,   106.6,   0.0);   (502472.0,
3633675.9,   106.7,   106.7,   0.0);
     (502522.0, 3633675.9,   107.3,   107.3,   0.0);   (502572.0,
3633675.9,   107.3,   317.2,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (502622.0, 3633675.9,   107.1,   318.9,   0.0);   (502672.0,
3633675.9,   106.9,   318.9,   0.0);
     (504772.0, 3633675.9,   171.2,   363.3,   0.0);   (504822.0,
3633675.9,   169.1,   363.3,   0.0);
     (504872.0, 3633675.9,   168.2,   363.3,   0.0);   (504922.0,
3633675.9,   167.7,   363.3,   0.0);
     (504972.0, 3633675.9,   167.9,   363.3,   0.0);   (505022.0,
3633675.9,   170.2,   363.3,   0.0);
     (505072.0, 3633675.9,   182.5,   363.3,   0.0);   (505122.0,
3633675.9,   197.3,   363.3,   0.0);
     (505172.0, 3633675.9,   199.4,   363.3,   0.0);   (505222.0,
3633675.9,   189.7,   363.3,   0.0);
     (502222.0, 3633725.9,   106.3,   106.3,   0.0);   (502272.0,
3633725.9,   104.3,   104.3,   0.0);
     (502322.0, 3633725.9,   105.3,   105.3,   0.0);   (502372.0,
3633725.9,   105.7,   105.7,   0.0);
     (502422.0, 3633725.9,   106.3,   106.3,   0.0);   (502472.0,
3633725.9,   106.7,   106.7,   0.0);
     (502522.0, 3633725.9,   107.1,   107.1,   0.0);   (502572.0,
3633725.9,   107.3,   107.3,   0.0);
     (502622.0, 3633725.9,   107.3,   318.9,   0.0);   (502672.0,
3633725.9,   106.9,   318.9,   0.0);
     (504772.0, 3633725.9,   159.6,   363.3,   0.0);   (504822.0,
3633725.9,   163.4,   363.3,   0.0);
     (504872.0, 3633725.9,   162.3,   363.3,   0.0);   (504922.0,
3633725.9,   163.6,   363.3,   0.0);
     (504972.0, 3633725.9,   165.7,   363.3,   0.0);   (505022.0,
3633725.9,   170.9,   363.3,   0.0);
     (505072.0, 3633725.9,   185.4,   363.3,   0.0);   (505122.0,
3633725.9,   198.5,   363.3,   0.0);
     (505172.0, 3633725.9,   194.3,   363.3,   0.0);   (505222.0,

```
3633725.9,     187.5,     363.3,       0.0);
     ( 502222.0, 3633775.9,     105.8,     105.8,       0.0);         ( 502272.0,
3633775.9,     104.0,     109.9,       0.0);
     ( 502322.0, 3633775.9,     106.3,     106.3,       0.0);         ( 502372.0,
3633775.9,     106.3,     106.3,       0.0);
     ( 502422.0, 3633775.9,     107.1,     107.1,       0.0);         ( 502472.0,
3633775.9,     106.4,     106.4,       0.0);
     ( 502522.0, 3633775.9,     106.9,     106.9,       0.0);         ( 502572.0,
3633775.9,     107.3,     107.3,       0.0);
     ( 502622.0, 3633775.9,     107.0,     318.9,       0.0);         ( 502672.0,
3633775.9,     106.7,     318.9,       0.0);
     ( 504772.0, 3633775.9,     152.1,     363.3,       0.0);         ( 504822.0,
3633775.9,     154.0,     363.3,       0.0);
     ( 504872.0, 3633775.9,     158.0,     363.3,       0.0);         ( 504922.0,
3633775.9,     164.2,     363.3,       0.0);
     ( 504972.0, 3633775.9,     166.6,     363.3,       0.0);         ( 505022.0,
3633775.9,     173.8,     363.3,       0.0);
     ( 505072.0, 3633775.9,     183.8,     363.3,       0.0);         ( 505122.0,
3633775.9,     193.9,     363.3,       0.0);
     ( 505172.0, 3633775.9,     191.9,     363.3,       0.0);         ( 505222.0,
3633775.9,     185.2,     363.3,       0.0);
     ( 502222.0, 3633825.9,     106.8,     110.0,       0.0);         ( 502272.0,
3633825.9,     104.6,     110.0,       0.0);
     ( 502322.0, 3633825.9,     105.8,     105.8,       0.0);         ( 502372.0,
3633825.9,     106.5,     106.5,       0.0);
     ( 502422.0, 3633825.9,     106.6,     106.6,       0.0);         ( 502472.0,
3633825.9,     106.4,     106.4,       0.0);
     ( 502522.0, 3633825.9,     106.7,     106.7,       0.0);         ( 502572.0,
3633825.9,     107.1,     107.1,       0.0);
     ( 502622.0, 3633825.9,     107.4,     317.2,       0.0);         ( 502672.0,
3633825.9,     107.0,     318.9,       0.0);
     ( 504772.0, 3633825.9,     148.4,     363.3,       0.0);         ( 504822.0,
3633825.9,     151.7,     363.3,       0.0);
     ( 504872.0, 3633825.9,     163.4,     363.3,       0.0);         ( 504922.0,
3633825.9,     171.6,     363.3,       0.0);
     ( 504972.0, 3633825.9,     174.5,     363.3,       0.0);         ( 505022.0,
3633825.9,     176.1,     363.3,       0.0);
     ( 505072.0, 3633825.9,     183.2,     363.3,       0.0);         ( 505122.0,
3633825.9,     193.4,     363.3,       0.0);
     ( 505172.0, 3633825.9,     189.7,     363.3,       0.0);         ( 505222.0,
3633825.9,     182.7,     363.3,       0.0);
     ( 502222.0, 3633875.9,     105.9,     105.9,       0.0);         ( 502272.0,
3633875.9,     104.6,     110.0,       0.0);
     ( 502322.0, 3633875.9,     106.4,     106.4,       0.0);         ( 502372.0,
3633875.9,     105.8,     106.6,       0.0);
     ( 502422.0, 3633875.9,     106.3,     106.3,       0.0);         ( 502472.0,
3633875.9,     105.7,     105.7,       0.0);
     ( 502522.0, 3633875.9,     106.5,     106.5,       0.0);         ( 502572.0,
3633875.9,     107.2,     107.2,       0.0);
     ( 502622.0, 3633875.9,     107.5,     107.5,       0.0);         ( 502672.0,
```

3633875.9,   107.0,   318.9,   0.0);
     (504772.0, 3633875.9,   147.3,   363.3,   0.0);   (504822.0,
3633875.9,   154.8,   363.3,   0.0);
     (504872.0, 3633875.9,   167.5,   363.3,   0.0);   (504922.0,
3633875.9,   174.4,   363.3,   0.0);
     (504972.0, 3633875.9,   179.5,   363.3,   0.0);   (505022.0,
3633875.9,   184.2,   363.3,   0.0);
     (505072.0, 3633875.9,   184.0,   363.3,   0.0);   (505122.0,
3633875.9,   189.3,   363.3,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                        (METERS)

     (505172.0, 3633875.9,   185.5,   363.3,   0.0);   (505222.0,
3633875.9,   180.7,   363.3,   0.0);
     (502222.0, 3633925.9,   105.6,   105.6,   0.0);   (502272.0,
3633925.9,   105.1,   105.1,   0.0);
     (502322.0, 3633925.9,   106.1,   106.1,   0.0);   (502372.0,
3633925.9,   105.2,   105.2,   0.0);
     (502422.0, 3633925.9,   106.5,   106.5,   0.0);   (502472.0,
3633925.9,   106.1,   106.1,   0.0);
     (502522.0, 3633925.9,   106.5,   106.5,   0.0);   (502572.0,
3633925.9,   107.0,   107.0,   0.0);
     (502622.0, 3633925.9,   107.2,   107.2,   0.0);   (502672.0,
3633925.9,   106.9,   318.9,   0.0);
     (504772.0, 3633925.9,   148.8,   363.3,   0.0);   (504822.0,
3633925.9,   156.1,   363.3,   0.0);
     (504872.0, 3633925.9,   163.4,   363.3,   0.0);   (504922.0,
3633925.9,   175.3,   363.3,   0.0);
     (504972.0, 3633925.9,   185.8,   363.3,   0.0);   (505022.0,
3633925.9,   187.1,   363.3,   0.0);
     (505072.0, 3633925.9,   187.1,   363.3,   0.0);   (505122.0,
3633925.9,   186.0,   363.3,   0.0);
     (505172.0, 3633925.9,   181.5,   363.3,   0.0);   (505222.0,
3633925.9,   178.0,   363.3,   0.0);
     (502222.0, 3633975.9,   105.9,   105.9,   0.0);   (502272.0,
3633975.9,   104.1,   107.5,   0.0);
     (502322.0, 3633975.9,   104.8,   104.8,   0.0);   (502372.0,
3633975.9,   105.8,   105.8,   0.0);
     (502422.0, 3633975.9,   106.4,   106.4,   0.0);   (502472.0,
3633975.9,   106.5,   106.5,   0.0);
     (502522.0, 3633975.9,   107.0,   107.0,   0.0);   (502572.0,

3633975.9,   106.9,   106.9,   0.0);
     (502622.0, 3633975.9,   107.2,   107.2,   0.0);   (502672.0,
3633975.9,   106.7,   317.2,   0.0);
     (504772.0, 3633975.9,   152.7,   363.3,   0.0);   (504822.0,
3633975.9,   156.6,   363.3,   0.0);
     (504872.0, 3633975.9,   160.1,   363.3,   0.0);   (504922.0,
3633975.9,   169.3,   363.3,   0.0);
     (504972.0, 3633975.9,   185.8,   363.3,   0.0);   (505022.0,
3633975.9,   191.5,   362.2,   0.0);
     (505072.0, 3633975.9,   192.0,   363.3,   0.0);   (505122.0,
3633975.9,   183.1,   363.3,   0.0);
     (505172.0, 3633975.9,   178.0,   363.3,   0.0);   (505222.0,
3633975.9,   175.3,   363.3,   0.0);
     (502222.0, 3634025.9,   105.9,   105.9,   0.0);   (502272.0,
3634025.9,   104.0,   104.0,   0.0);
     (502322.0, 3634025.9,   104.3,   104.3,   0.0);   (502372.0,
3634025.9,   105.3,   105.3,   0.0);
     (502422.0, 3634025.9,   105.7,   105.7,   0.0);   (502472.0,
3634025.9,   106.0,   106.0,   0.0);
     (502522.0, 3634025.9,   106.3,   106.3,   0.0);   (502572.0,
3634025.9,   106.6,   106.6,   0.0);
     (502622.0, 3634025.9,   107.1,   107.1,   0.0);   (502672.0,
3634025.9,   106.9,   106.9,   0.0);
     (504772.0, 3634025.9,   157.0,   363.3,   0.0);   (504822.0,
3634025.9,   156.3,   363.3,   0.0);
     (504872.0, 3634025.9,   163.9,   363.3,   0.0);   (504922.0,
3634025.9,   174.1,   363.3,   0.0);
     (504972.0, 3634025.9,   191.0,   352.4,   0.0);   (505022.0,
3634025.9,   195.0,   338.7,   0.0);
     (505072.0, 3634025.9,   193.0,   352.4,   0.0);   (505122.0,
3634025.9,   181.5,   363.3,   0.0);
     (505172.0, 3634025.9,   174.5,   363.3,   0.0);   (505222.0,
3634025.9,   172.4,   363.3,   0.0);
     (502222.0, 3634075.9,   104.3,   104.3,   0.0);   (502272.0,
3634075.9,   103.6,   103.6,   0.0);
     (502322.0, 3634075.9,   103.8,   103.8,   0.0);   (502372.0,
3634075.9,   104.0,   104.0,   0.0);
     (502422.0, 3634075.9,   103.9,   103.9,   0.0);   (502472.0,
3634075.9,   104.4,   104.4,   0.0);
     (502522.0, 3634075.9,   105.1,   105.1,   0.0);   (502572.0,
3634075.9,   106.4,   106.4,   0.0);
     (502622.0, 3634075.9,   106.7,   106.7,   0.0);   (502672.0,
3634075.9,   107.4,   107.4,   0.0);
     (504772.0, 3634075.9,   157.4,   363.3,   0.0);   (504822.0,
3634075.9,   159.7,   363.3,   0.0);
     (504872.0, 3634075.9,   171.7,   363.3,   0.0);   (504922.0,
3634075.9,   181.0,   362.2,   0.0);
     (504972.0, 3634075.9,   191.7,   338.7,   0.0);   (505022.0,
3634075.9,   195.1,   338.7,   0.0);
     (505072.0, 3634075.9,   190.9,   338.7,   0.0);   (505122.0,

```
3634075.9,     180.6,     363.3,       0.0);
     ( 505172.0, 3634075.9,     171.9,     363.3,       0.0);         ( 505222.0,
3634075.9,     169.0,     363.3,       0.0);
     ( 502222.0, 3634125.9,     102.5,     102.5,       0.0);         ( 502272.0,
3634125.9,     103.5,     104.3,       0.0);
     ( 502322.0, 3634125.9,     103.3,     103.3,       0.0);         ( 502372.0,
3634125.9,     104.1,     104.1,       0.0);
     ( 502422.0, 3634125.9,     104.1,     104.1,       0.0);         ( 502472.0,
3634125.9,     104.2,     104.2,       0.0);
     ( 502522.0, 3634125.9,     104.3,     104.3,       0.0);         ( 502572.0,
3634125.9,     104.5,     104.5,       0.0);
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                              (METERS)

     ( 502622.0, 3634125.9,     106.1,     106.1,       0.0);         ( 502672.0,
3634125.9,     107.5,     107.5,       0.0);
     ( 504772.0, 3634125.9,     168.4,     363.3,       0.0);         ( 504822.0,
3634125.9,     170.1,     363.3,       0.0);
     ( 504872.0, 3634125.9,     175.5,     362.2,       0.0);         ( 504922.0,
3634125.9,     189.9,     338.7,       0.0);
     ( 504972.0, 3634125.9,     191.3,     338.7,       0.0);         ( 505022.0,
3634125.9,     193.2,     338.7,       0.0);
     ( 505072.0, 3634125.9,     186.1,     338.7,       0.0);         ( 505122.0,
3634125.9,     175.7,     363.3,       0.0);
     ( 505172.0, 3634125.9,     169.2,     363.3,       0.0);         ( 505222.0,
3634125.9,     166.0,     363.3,       0.0);
     ( 502222.0, 3634175.9,     100.1,     100.1,       0.0);         ( 502272.0,
3634175.9,     100.9,     100.9,       0.0);
     ( 502322.0, 3634175.9,     100.9,     104.7,       0.0);         ( 502372.0,
3634175.9,     104.8,     104.8,       0.0);
     ( 502422.0, 3634175.9,     104.9,     104.9,       0.0);         ( 502472.0,
3634175.9,     104.8,     104.8,       0.0);
     ( 502522.0, 3634175.9,     104.5,     104.5,       0.0);         ( 502572.0,
3634175.9,     104.5,     104.5,       0.0);
     ( 502622.0, 3634175.9,     104.6,     104.6,       0.0);         ( 502672.0,
3634175.9,     105.4,     105.4,       0.0);
     ( 504772.0, 3634175.9,     183.8,     338.7,       0.0);         ( 504822.0,
3634175.9,     187.8,     338.7,       0.0);
     ( 504872.0, 3634175.9,     190.3,     338.7,       0.0);         ( 504922.0,
3634175.9,     190.6,     338.7,       0.0);
     ( 504972.0, 3634175.9,     190.7,     338.7,       0.0);         ( 505022.0,
```

```
3634175.9,     186.9,     338.7,       0.0);
     ( 505072.0, 3634175.9,     186.2,     338.7,       0.0);         ( 505122.0,
3634175.9,     173.6,     363.3,       0.0);
     ( 505172.0, 3634175.9,     167.7,     363.3,       0.0);         ( 505222.0,
3634175.9,     162.6,     363.3,       0.0);
     ( 502222.0, 3634225.9,     100.1,     100.1,       0.0);         ( 502272.0,
3634225.9,     100.1,     100.1,       0.0);
     ( 502322.0, 3634225.9,     102.1,     102.1,       0.0);         ( 502372.0,
3634225.9,     104.7,     104.7,       0.0);
     ( 502422.0, 3634225.9,     105.3,     105.3,       0.0);         ( 502472.0,
3634225.9,     105.3,     105.3,       0.0);
     ( 502522.0, 3634225.9,     104.7,     104.7,       0.0);         ( 502572.0,
3634225.9,     104.9,     104.9,       0.0);
     ( 502622.0, 3634225.9,     104.8,     104.8,       0.0);         ( 502672.0,
3634225.9,     105.0,     105.0,       0.0);
     ( 504772.0, 3634225.9,     200.3,     336.0,       0.0);         ( 504822.0,
3634225.9,     203.1,     334.9,       0.0);
     ( 504872.0, 3634225.9,     194.0,     337.8,       0.0);         ( 504922.0,
3634225.9,     192.2,     338.0,       0.0);
     ( 504972.0, 3634225.9,     182.3,     338.7,       0.0);         ( 505022.0,
3634225.9,     182.8,     338.7,       0.0);
     ( 505072.0, 3634225.9,     183.0,     338.7,       0.0);         ( 505122.0,
3634225.9,     174.1,     352.4,       0.0);
     ( 505172.0, 3634225.9,     173.5,     360.8,       0.0);         ( 505222.0,
3634225.9,     163.5,     363.3,       0.0);
     ( 502222.0, 3634275.9,     100.1,     100.1,       0.0);         ( 502272.0,
3634275.9,     100.2,     100.2,       0.0);
     ( 502322.0, 3634275.9,     101.5,     101.5,       0.0);         ( 502372.0,
3634275.9,     104.4,     104.4,       0.0);
     ( 502422.0, 3634275.9,     104.8,     104.8,       0.0);         ( 502472.0,
3634275.9,     104.9,     104.9,       0.0);
     ( 502522.0, 3634275.9,     105.0,     105.0,       0.0);         ( 502572.0,
3634275.9,     104.9,     104.9,       0.0);
     ( 502622.0, 3634275.9,     105.2,     105.2,       0.0);         ( 502672.0,
3634275.9,     105.4,     105.4,       0.0);
     ( 504772.0, 3634275.9,     207.2,     207.2,       0.0);         ( 504822.0,
3634275.9,     203.1,     206.3,       0.0);
     ( 504872.0, 3634275.9,     194.6,     336.4,       0.0);         ( 504922.0,
3634275.9,     186.2,     338.0,       0.0);
     ( 504972.0, 3634275.9,     174.2,     338.7,       0.0);         ( 505022.0,
3634275.9,     179.5,     338.7,       0.0);
     ( 505072.0, 3634275.9,     179.7,     338.7,       0.0);         ( 505122.0,
3634275.9,     171.7,     338.7,       0.0);
     ( 505172.0, 3634275.9,     176.0,     338.7,       0.0);         ( 505222.0,
3634275.9,     165.1,     362.2,       0.0);
     ( 502222.0, 3634325.9,     100.6,     100.6,       0.0);         ( 502272.0,
3634325.9,     101.2,     101.2,       0.0);
     ( 502322.0, 3634325.9,     101.5,     101.5,       0.0);         ( 502372.0,
3634325.9,     101.8,     104.7,       0.0);
     ( 502422.0, 3634325.9,     102.0,     105.0,       0.0);         ( 502472.0,
```

3634325.9,   101.9,   104.7,   0.0);
     (502522.0, 3634325.9,   102.0,   102.0,   0.0);   (502572.0,
3634325.9,   102.1,   102.1,   0.0);
     (502622.0, 3634325.9,   102.1,   102.1,   0.0);   (502672.0,
3634325.9,   102.4,   102.4,   0.0);
     (504772.0, 3634325.9,   200.1,   207.6,   0.0);   (504822.0,
3634325.9,   188.5,   336.4,   0.0);
     (504872.0, 3634325.9,   182.5,   337.8,   0.0);   (504922.0,
3634325.9,   174.3,   338.7,   0.0);
     (504972.0, 3634325.9,   168.4,   338.7,   0.0);   (505022.0,
3634325.9,   177.1,   338.7,   0.0);
     (505072.0, 3634325.9,   177.5,   338.7,   0.0);   (505122.0,
3634325.9,   167.3,   338.7,   0.0);

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                           (METERS)

     (505172.0, 3634325.9,   171.4,   338.7,   0.0);   (505222.0,
3634325.9,   167.5,   338.7,   0.0);
     (502222.0, 3634375.9,   101.9,   104.6,   0.0);   (502272.0,
3634375.9,   102.4,   105.0,   0.0);
     (502322.0, 3634375.9,   101.7,   105.1,   0.0);   (502372.0,
3634375.9,   101.2,   101.2,   0.0);
     (502422.0, 3634375.9,   102.4,   104.7,   0.0);   (502472.0,
3634375.9,   103.5,   103.5,   0.0);
     (502522.0, 3634375.9,   105.1,   105.1,   0.0);   (502572.0,
3634375.9,   105.2,   105.2,   0.0);
     (502622.0, 3634375.9,   103.8,   103.8,   0.0);   (502672.0,
3634375.9,   101.8,   104.7,   0.0);
     (504772.0, 3634375.9,   189.8,   334.2,   0.0);   (504822.0,
3634375.9,   175.2,   338.0,   0.0);
     (504872.0, 3634375.9,   171.3,   338.7,   0.0);   (504922.0,
3634375.9,   165.1,   338.7,   0.0);
     (504972.0, 3634375.9,   164.9,   338.7,   0.0);   (505022.0,
3634375.9,   174.1,   338.7,   0.0);
     (505072.0, 3634375.9,   172.8,   338.7,   0.0);   (505122.0,
3634375.9,   162.3,   338.7,   0.0);
     (505172.0, 3634375.9,   165.2,   338.7,   0.0);   (505222.0,
3634375.9,   166.4,   338.7,   0.0);
     (502222.0, 3634425.9,   104.2,   104.2,   0.0);   (502272.0,
3634425.9,   105.0,   105.0,   0.0);
     (502322.0, 3634425.9,   105.0,   105.0,   0.0);   (502372.0,

```
3634425.9,     105.1,     105.1,       0.0);
     ( 502422.0, 3634425.9,     105.4,     105.4,       0.0);         ( 502472.0,
3634425.9,     105.2,     105.2,       0.0);
     ( 502522.0, 3634425.9,     105.5,     105.5,       0.0);         ( 502572.0,
3634425.9,     105.5,     105.5,       0.0);
     ( 502622.0, 3634425.9,     105.5,     105.5,       0.0);         ( 502672.0,
3634425.9,     105.3,     105.3,       0.0);
     ( 504772.0, 3634425.9,     185.7,     334.2,       0.0);         ( 504822.0,
3634425.9,     173.8,     337.8,       0.0);
     ( 504872.0, 3634425.9,     161.0,     338.7,       0.0);         ( 504922.0,
3634425.9,     153.6,     338.7,       0.0);
     ( 504972.0, 3634425.9,     160.4,     338.7,       0.0);         ( 505022.0,
3634425.9,     162.5,     338.7,       0.0);
     ( 505072.0, 3634425.9,     158.4,     338.7,       0.0);         ( 505122.0,
3634425.9,     156.3,     338.7,       0.0);
     ( 505172.0, 3634425.9,     159.4,     338.7,       0.0);         ( 505222.0,
3634425.9,     162.1,     338.7,       0.0);
     ( 502222.0, 3634475.9,     104.5,     104.5,       0.0);         ( 502272.0,
3634475.9,     104.9,     104.9,       0.0);
     ( 502322.0, 3634475.9,     105.2,     105.2,       0.0);         ( 502372.0,
3634475.9,     105.4,     105.4,       0.0);
     ( 502422.0, 3634475.9,     105.5,     105.5,       0.0);         ( 502472.0,
3634475.9,     105.4,     105.4,       0.0);
     ( 502522.0, 3634475.9,     105.8,     105.8,       0.0);         ( 502572.0,
3634475.9,     105.9,     105.9,       0.0);
     ( 502622.0, 3634475.9,     105.8,     105.8,       0.0);         ( 502672.0,
3634475.9,     105.8,     105.8,       0.0);
     ( 504772.0, 3634475.9,     179.9,     334.2,       0.0);         ( 504822.0,
3634475.9,     175.6,     336.0,       0.0);
     ( 504872.0, 3634475.9,     161.3,     338.7,       0.0);         ( 504922.0,
3634475.9,     145.8,     352.4,       0.0);
     ( 504972.0, 3634475.9,     148.7,     338.7,       0.0);         ( 505022.0,
3634475.9,     149.7,     338.7,       0.0);
     ( 505072.0, 3634475.9,     148.4,     352.4,       0.0);         ( 505122.0,
3634475.9,     150.3,     338.7,       0.0);
     ( 505172.0, 3634475.9,     153.7,     338.7,       0.0);         ( 505222.0,
3634475.9,     156.8,     338.7,       0.0);
     ( 502222.0, 3634525.9,     104.7,     104.7,       0.0);         ( 502272.0,
3634525.9,     104.9,     104.9,       0.0);
     ( 502322.0, 3634525.9,     105.1,     105.1,       0.0);         ( 502372.0,
3634525.9,     105.4,     105.4,       0.0);
     ( 502422.0, 3634525.9,     105.5,     105.5,       0.0);         ( 502472.0,
3634525.9,     105.7,     105.7,       0.0);
     ( 502522.0, 3634525.9,     105.7,     105.7,       0.0);         ( 502572.0,
3634525.9,     105.9,     105.9,       0.0);
     ( 502622.0, 3634525.9,     106.1,     106.1,       0.0);         ( 502672.0,
3634525.9,     106.8,     106.8,       0.0);
     ( 504772.0, 3634525.9,     165.2,     337.0,       0.0);         ( 504822.0,
3634525.9,     167.5,     336.5,       0.0);
     ( 504872.0, 3634525.9,     156.3,     338.7,       0.0);         ( 504922.0,
```

```
3634525.9,     140.9,     352.4,       0.0);
     ( 504972.0, 3634525.9,     137.0,     362.2,       0.0);         ( 505022.0,
3634525.9,     139.1,     362.2,       0.0);
     ( 505072.0, 3634525.9,     141.1,     360.8,       0.0);         ( 505122.0,
3634525.9,     145.5,     338.7,       0.0);
     ( 505172.0, 3634525.9,     150.7,     338.7,       0.0);         ( 505222.0,
3634525.9,     155.8,     338.7,       0.0);
     ( 502222.0, 3634575.9,     105.8,     105.8,       0.0);         ( 502272.0,
3634575.9,     104.9,     104.9,       0.0);
     ( 502322.0, 3634575.9,     104.9,     104.9,       0.0);         ( 502372.0,
3634575.9,     105.2,     105.2,       0.0);
     ( 502422.0, 3634575.9,     105.4,     105.4,       0.0);         ( 502472.0,
3634575.9,     105.7,     105.7,       0.0);
     ( 502522.0, 3634575.9,     105.8,     105.8,       0.0);         ( 502572.0,
3634575.9,     106.0,     106.0,       0.0);
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                 PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                      (METERS)

     ( 502622.0, 3634575.9,     106.2,     106.2,       0.0);         ( 502672.0,
3634575.9,     106.8,     106.8,       0.0);
     ( 504772.0, 3634575.9,     145.8,     338.7,       0.0);         ( 504822.0,
3634575.9,     148.3,     338.7,       0.0);
     ( 504872.0, 3634575.9,     140.8,     338.7,       0.0);         ( 504922.0,
3634575.9,     130.9,     362.2,       0.0);
     ( 504972.0, 3634575.9,     131.7,     362.2,       0.0);         ( 505022.0,
3634575.9,     136.8,     360.8,       0.0);
     ( 505072.0, 3634575.9,     140.4,     338.7,       0.0);         ( 505122.0,
3634575.9,     144.1,     338.7,       0.0);
     ( 505172.0, 3634575.9,     154.8,     338.7,       0.0);         ( 505222.0,
3634575.9,     159.5,     338.0,       0.0);
     ( 502222.0, 3634625.9,     106.1,     106.1,       0.0);         ( 502272.0,
3634625.9,     106.0,     106.0,       0.0);
     ( 502322.0, 3634625.9,     104.8,     104.8,       0.0);         ( 502372.0,
3634625.9,     105.0,     105.0,       0.0);
     ( 502422.0, 3634625.9,     105.1,     105.1,       0.0);         ( 502472.0,
3634625.9,     105.4,     105.4,       0.0);
     ( 502522.0, 3634625.9,     106.4,     106.4,       0.0);         ( 502572.0,
3634625.9,     106.5,     106.5,       0.0);
     ( 502622.0, 3634625.9,     106.7,     106.7,       0.0);         ( 502672.0,
3634625.9,     106.8,     106.8,       0.0);
     ( 504772.0, 3634625.9,     129.7,     338.7,       0.0);         ( 504822.0,
```

3634625.9,   125.4,   362.2,   0.0);
     (504872.0, 3634625.9,   125.5,   362.2,   0.0);   (504922.0,
3634625.9,   126.7,   362.2,   0.0);
     (504972.0, 3634625.9,   131.2,   357.4,   0.0);   (505022.0,
3634625.9,   136.7,   338.7,   0.0);
     (505072.0, 3634625.9,   142.4,   338.7,   0.0);   (505122.0,
3634625.9,   145.9,   338.7,   0.0);
     (505172.0, 3634625.9,   159.4,   337.0,   0.0);   (505222.0,
3634625.9,   165.4,   334.9,   0.0);
     (502222.0, 3634675.9,   105.5,   105.5,   0.0);   (502272.0,
3634675.9,   106.5,   106.5,   0.0);
     (502322.0, 3634675.9,   106.9,   106.9,   0.0);   (502372.0,
3634675.9,   106.7,   106.7,   0.0);
     (502422.0, 3634675.9,   106.9,   106.9,   0.0);   (502472.0,
3634675.9,   107.1,   107.1,   0.0);
     (502522.0, 3634675.9,   107.1,   107.1,   0.0);   (502572.0,
3634675.9,   107.4,   107.4,   0.0);
     (502622.0, 3634675.9,   107.6,   107.6,   0.0);   (502672.0,
3634675.9,   107.2,   107.2,   0.0);
     (504772.0, 3634675.9,   115.8,   363.3,   0.0);   (504822.0,
3634675.9,   116.0,   363.3,   0.0);
     (504872.0, 3634675.9,   125.3,   352.4,   0.0);   (504922.0,
3634675.9,   126.0,   352.4,   0.0);
     (504972.0, 3634675.9,   128.3,   338.7,   0.0);   (505022.0,
3634675.9,   136.4,   338.7,   0.0);
     (505072.0, 3634675.9,   145.4,   338.7,   0.0);   (505122.0,
3634675.9,   148.4,   338.0,   0.0);
     (505172.0, 3634675.9,   158.6,   336.0,   0.0);   (505222.0,
3634675.9,   166.0,   179.8,   0.0);
     (502222.0, 3634725.9,   105.5,   105.5,   0.0);   (502272.0,
3634725.9,   106.2,   106.2,   0.0);
     (502322.0, 3634725.9,   105.6,   105.6,   0.0);   (502372.0,
3634725.9,   105.7,   105.7,   0.0);
     (502422.0, 3634725.9,   106.9,   106.9,   0.0);   (502472.0,
3634725.9,   107.3,   107.3,   0.0);
     (502522.0, 3634725.9,   107.1,   107.1,   0.0);   (502572.0,
3634725.9,   107.6,   107.6,   0.0);
     (502622.0, 3634725.9,   107.7,   107.7,   0.0);   (502672.0,
3634725.9,   108.1,   108.1,   0.0);
     (504772.0, 3634725.9,   115.0,   362.2,   0.0);   (504822.0,
3634725.9,   116.9,   360.8,   0.0);
     (504872.0, 3634725.9,   120.8,   338.7,   0.0);   (504922.0,
3634725.9,   125.8,   338.7,   0.0);
     (504972.0, 3634725.9,   131.3,   338.7,   0.0);   (505022.0,
3634725.9,   141.8,   338.0,   0.0);
     (505072.0, 3634725.9,   148.5,   337.0,   0.0);   (505122.0,
3634725.9,   152.9,   336.0,   0.0);
     (505172.0, 3634725.9,   164.6,   184.7,   0.0);   (505222.0,
3634725.9,   168.1,   180.8,   0.0);
     (502222.0, 3634775.9,   106.8,   106.8,   0.0);   (502272.0,

3634775.9,   107.6,   107.6,   0.0);
     (502322.0, 3634775.9,   105.8,   105.8,   0.0);   (502372.0,
3634775.9,   105.5,   105.5,   0.0);
     (502422.0, 3634775.9,   105.5,   105.5,   0.0);   (502472.0,
3634775.9,   106.0,   106.0,   0.0);
     (502522.0, 3634775.9,   107.7,   107.7,   0.0);   (502572.0,
3634775.9,   107.6,   107.6,   0.0);
     (502622.0, 3634775.9,   107.8,   107.8,   0.0);   (502672.0,
3634775.9,   108.2,   108.2,   0.0);
     (504772.0, 3634775.9,   114.1,   338.7,   0.0);   (504822.0,
3634775.9,   116.1,   338.7,   0.0);
     (504872.0, 3634775.9,   120.4,   338.7,   0.0);   (504922.0,
3634775.9,   127.9,   338.7,   0.0);
     (504972.0, 3634775.9,   139.7,   337.8,   0.0);   (505022.0,
3634775.9,   149.8,   336.0,   0.0);
     (505072.0, 3634775.9,   152.1,   334.9,   0.0);   (505122.0,
3634775.9,   155.0,   185.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                 (METERS)

     (505172.0, 3634775.9,   168.2,   184.7,   0.0);   (505222.0,
3634775.9,   174.5,   180.8,   0.0);
     (502222.0, 3634825.9,   107.7,   107.7,   0.0);   (502272.0,
3634825.9,   108.1,   108.1,   0.0);
     (502322.0, 3634825.9,   107.6,   107.6,   0.0);   (502372.0,
3634825.9,   107.5,   107.5,   0.0);
     (502422.0, 3634825.9,   106.7,   106.7,   0.0);   (502472.0,
3634825.9,   105.8,   105.8,   0.0);
     (502522.0, 3634825.9,   107.8,   107.8,   0.0);   (502572.0,
3634825.9,   108.3,   108.3,   0.0);
     (502622.0, 3634825.9,   108.4,   108.4,   0.0);   (502672.0,
3634825.9,   108.3,   108.3,   0.0);
     (504772.0, 3634825.9,   113.3,   338.7,   0.0);   (504822.0,
3634825.9,   118.4,   338.7,   0.0);
     (504872.0, 3634825.9,   123.4,   338.7,   0.0);   (504922.0,
3634825.9,   133.0,   338.0,   0.0);
     (504972.0, 3634825.9,   149.8,   207.6,   0.0);   (505022.0,
3634825.9,   164.2,   185.3,   0.0);
     (505072.0, 3634825.9,   163.4,   185.3,   0.0);   (505122.0,
3634825.9,   163.4,   185.3,   0.0);
     (505172.0, 3634825.9,   174.0,   182.6,   0.0);   (505222.0,

3634825.9,   179.5,   179.5,   0.0);
     (502222.0, 3634875.9,   109.9,   109.9,   0.0);   (502272.0,
3634875.9,   108.1,   108.1,   0.0);
     (502322.0, 3634875.9,   107.9,   107.9,   0.0);   (502372.0,
3634875.9,   108.1,   108.1,   0.0);
     (502422.0, 3634875.9,   108.1,   108.1,   0.0);   (502472.0,
3634875.9,   108.1,   108.1,   0.0);
     (502522.0, 3634875.9,   108.1,   108.1,   0.0);   (502572.0,
3634875.9,   108.2,   108.2,   0.0);
     (502622.0, 3634875.9,   108.5,   108.5,   0.0);   (502672.0,
3634875.9,   108.7,   108.7,   0.0);
     (504772.0, 3634875.9,   113.1,   338.7,   0.0);   (504822.0,
3634875.9,   114.6,   338.7,   0.0);
     (504872.0, 3634875.9,   122.4,   338.7,   0.0);   (504922.0,
3634875.9,   135.8,   336.4,   0.0);
     (504972.0, 3634875.9,   153.6,   185.3,   0.0);   (505022.0,
3634875.9,   169.7,   185.3,   0.0);
     (505072.0, 3634875.9,   179.6,   185.3,   0.0);   (505122.0,
3634875.9,   175.3,   185.3,   0.0);
     (505172.0, 3634875.9,   179.8,   182.6,   0.0);   (505222.0,
3634875.9,   180.2,   182.3,   0.0);
     (502222.0, 3634925.9,   110.2,   110.2,   0.0);   (502272.0,
3634925.9,   108.4,   108.4,   0.0);
     (502322.0, 3634925.9,   108.4,   108.4,   0.0);   (502372.0,
3634925.9,   108.4,   108.4,   0.0);
     (502422.0, 3634925.9,   108.5,   108.5,   0.0);   (502472.0,
3634925.9,   108.0,   108.0,   0.0);
     (502522.0, 3634925.9,   108.3,   108.3,   0.0);   (502572.0,
3634925.9,   108.4,   108.4,   0.0);
     (502622.0, 3634925.9,   108.3,   108.3,   0.0);   (502672.0,
3634925.9,   108.8,   108.8,   0.0);
     (504772.0, 3634925.9,   113.0,   338.7,   0.0);   (504822.0,
3634925.9,   115.0,   338.7,   0.0);
     (504872.0, 3634925.9,   120.1,   338.0,   0.0);   (504922.0,
3634925.9,   132.9,   336.0,   0.0);
     (504972.0, 3634925.9,   149.2,   185.3,   0.0);   (505022.0,
3634925.9,   169.0,   185.3,   0.0);
     (505072.0, 3634925.9,   182.4,   185.3,   0.0);   (505122.0,
3634925.9,   179.4,   185.3,   0.0);
     (505172.0, 3634925.9,   181.2,   182.7,   0.0);   (505222.0,
3634925.9,   179.4,   183.0,   0.0);
     (502222.0, 3634975.9,   110.6,   110.6,   0.0);   (502272.0,
3634975.9,   109.0,   109.0,   0.0);
     (502322.0, 3634975.9,   108.3,   108.3,   0.0);   (502372.0,
3634975.9,   108.4,   108.4,   0.0);
     (502422.0, 3634975.9,   108.4,   108.4,   0.0);   (502472.0,
3634975.9,   108.2,   108.2,   0.0);
     (502522.0, 3634975.9,   108.5,   108.5,   0.0);   (502572.0,
3634975.9,   108.3,   108.3,   0.0);
     (502622.0, 3634975.9,   108.4,   108.4,   0.0);   (502672.0,

3634975.9,   108.6,   108.6,   0.0);
     (504822.0, 3634975.9,   114.8,   338.0,   0.0);   (504872.0,
3634975.9,   117.9,   337.8,   0.0);
     (504922.0, 3634975.9,   126.2,   336.4,   0.0);   (504972.0,
3634975.9,   146.6,   185.3,   0.0);
     (505022.0, 3634975.9,   162.4,   185.3,   0.0);   (505072.0,
3634975.9,   173.9,   185.3,   0.0);
     (505122.0, 3634975.9,   167.4,   185.3,   0.0);   (505172.0,
3634975.9,   168.6,   185.3,   0.0);
     (505222.0, 3634975.9,   171.3,   183.0,   0.0);   (502222.0,
3635025.9,   110.9,   110.9,   0.0);
     (502272.0, 3635025.9,   109.2,   109.2,   0.0);   (502322.0,
3635025.9,   108.9,   108.9,   0.0);
     (502372.0, 3635025.9,   108.6,   108.6,   0.0);   (502422.0,
3635025.9,   108.9,   108.9,   0.0);
     (502472.0, 3635025.9,   108.9,   108.9,   0.0);   (502522.0,
3635025.9,   109.0,   109.0,   0.0);
     (502572.0, 3635025.9,   108.9,   108.9,   0.0);   (502622.0,
3635025.9,   108.9,   108.9,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (502672.0, 3635025.9,   108.6,   108.6,   0.0);   (504872.0,
3635025.9,   117.0,   337.0,   0.0);
     (504922.0, 3635025.9,   124.8,   334.9,   0.0);   (504972.0,
3635025.9,   140.0,   185.3,   0.0);
     (505022.0, 3635025.9,   156.2,   185.3,   0.0);   (505072.0,
3635025.9,   162.3,   185.3,   0.0);
     (505122.0, 3635025.9,   155.5,   185.3,   0.0);   (505172.0,
3635025.9,   155.4,   185.3,   0.0);
     (505222.0, 3635025.9,   159.6,   185.3,   0.0);   (502222.0,
3635075.9,   110.2,   110.2,   0.0);
     (502272.0, 3635075.9,   109.1,   109.1,   0.0);   (502322.0,
3635075.9,   110.0,   110.0,   0.0);
     (502372.0, 3635075.9,   109.6,   109.6,   0.0);   (502422.0,
3635075.9,   110.0,   110.0,   0.0);
     (502472.0, 3635075.9,   110.1,   110.1,   0.0);   (502522.0,
3635075.9,   110.0,   110.0,   0.0);
     (502572.0, 3635075.9,   109.6,   109.6,   0.0);   (502622.0,
3635075.9,   109.1,   109.1,   0.0);
     (502672.0, 3635075.9,   109.1,   109.1,   0.0);   (504922.0,

3635075.9,   119.5,   336.0,   0.0);
     (504972.0, 3635075.9,   127.5,   207.6,   0.0);   (505022.0,
3635075.9,   145.5,   185.3,   0.0);
     (505072.0, 3635075.9,   147.2,   185.3,   0.0);   (505122.0,
3635075.9,   143.2,   185.3,   0.0);
     (505172.0, 3635075.9,   139.0,   185.3,   0.0);   (505222.0,
3635075.9,   142.9,   185.3,   0.0);
     (502222.0, 3635125.9,   110.9,   110.9,   0.0);   (502272.0,
3635125.9,   109.3,   109.3,   0.0);
     (502322.0, 3635125.9,   110.4,   110.4,   0.0);   (502372.0,
3635125.9,   110.4,   110.4,   0.0);
     (502422.0, 3635125.9,   110.6,   110.6,   0.0);   (502472.0,
3635125.9,   111.0,   111.0,   0.0);
     (502522.0, 3635125.9,   110.6,   110.6,   0.0);   (502572.0,
3635125.9,   110.1,   110.1,   0.0);
     (502622.0, 3635125.9,   109.8,   333.1,   0.0);   (502672.0,
3635125.9,   109.4,   333.1,   0.0);
     (505022.0, 3635125.9,   126.9,   185.3,   0.0);   (505072.0,
3635125.9,   130.6,   185.3,   0.0);
     (505122.0, 3635125.9,   126.7,   185.3,   0.0);   (505172.0,
3635125.9,   123.3,   185.3,   0.0);
     (505222.0, 3635125.9,   132.8,   185.3,   0.0);   (502222.0,
3635175.9,   111.7,   111.7,   0.0);
     (502272.0, 3635175.9,   110.1,   110.1,   0.0);   (502322.0,
3635175.9,   111.1,   111.1,   0.0);
     (502372.0, 3635175.9,   111.5,   111.5,   0.0);   (502422.0,
3635175.9,   111.7,   111.7,   0.0);
     (502472.0, 3635175.9,   111.8,   111.8,   0.0);   (502522.0,
3635175.9,   111.8,   111.8,   0.0);
     (502572.0, 3635175.9,   111.2,   333.1,   0.0);   (502622.0,
3635175.9,   110.4,   333.1,   0.0);
     (502672.0, 3635175.9,   110.3,   333.1,   0.0);   (505122.0,
3635175.9,   116.8,   279.6,   0.0);
     (505172.0, 3635175.9,   117.4,   279.6,   0.0);   (505222.0,
3635175.9,   120.7,   185.3,   0.0);
     (502222.0, 3635225.9,   112.1,   112.1,   0.0);   (502272.0,
3635225.9,   111.4,   111.4,   0.0);
     (502322.0, 3635225.9,   111.5,   111.5,   0.0);   (502372.0,
3635225.9,   111.7,   111.7,   0.0);
     (502422.0, 3635225.9,   111.9,   333.1,   0.0);   (502472.0,
3635225.9,   112.0,   333.1,   0.0);
     (502522.0, 3635225.9,   111.8,   333.1,   0.0);   (502572.0,
3635225.9,   111.5,   333.1,   0.0);
     (502622.0, 3635225.9,   111.3,   333.1,   0.0);   (502672.0,
3635225.9,   110.9,   333.1,   0.0);
     (502222.0, 3635275.9,   113.6,   255.1,   0.0);   (502272.0,
3635275.9,   111.9,   111.9,   0.0);
     (502322.0, 3635275.9,   112.8,   112.8,   0.0);   (502372.0,
3635275.9,   113.0,   333.1,   0.0);
     (502422.0, 3635275.9,   113.0,   333.1,   0.0);   (502472.0,

3635275.9,   113.0,   333.1,   0.0);
     (502522.0, 3635275.9,   113.6,   333.1,   0.0);   (502572.0,
3635275.9,   112.6,   333.1,   0.0);
     (502622.0, 3635275.9,   112.3,   333.1,   0.0);   (502672.0,
3635275.9,   112.1,   333.1,   0.0);
     (502222.0, 3635325.9,   114.4,   255.4,   0.0);   (502272.0,
3635325.9,   112.9,   333.1,   0.0);
     (502322.0, 3635325.9,   113.5,   333.1,   0.0);   (502372.0,
3635325.9,   114.0,   333.1,   0.0);
     (502422.0, 3635325.9,   114.3,   333.1,   0.0);   (502472.0,
3635325.9,   114.3,   333.1,   0.0);
     (502522.0, 3635325.9,   114.1,   333.1,   0.0);   (502572.0,
3635325.9,   113.4,   333.1,   0.0);
     (502622.0, 3635325.9,   113.2,   333.1,   0.0);   (502672.0,
3635325.9,   113.1,   333.1,   0.0);
     (502222.0, 3635375.9,   114.4,   333.1,   0.0);   (502272.0,
3635375.9,   113.6,   333.1,   0.0);
     (502322.0, 3635375.9,   114.2,   333.1,   0.0);   (502372.0,
3635375.9,   114.6,   333.1,   0.0);
     (502422.0, 3635375.9,   115.0,   333.1,   0.0);   (502472.0,
3635375.9,   115.3,   333.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (502522.0, 3635375.9,   114.3,   333.1,   0.0);   (502572.0,
3635375.9,   114.1,   333.1,   0.0);
     (502622.0, 3635375.9,   113.9,   333.1,   0.0);   (502672.0,
3635375.9,   113.7,   333.1,   0.0);
     (502222.0, 3635425.9,   115.6,   333.1,   0.0);   (502272.0,
3635425.9,   114.1,   333.1,   0.0);
     (502322.0, 3635425.9,   114.4,   333.1,   0.0);   (502372.0,
3635425.9,   114.7,   333.1,   0.0);
     (502422.0, 3635425.9,   115.0,   333.1,   0.0);   (502472.0,
3635425.9,   115.5,   333.1,   0.0);
     (502522.0, 3635425.9,   115.2,   333.1,   0.0);   (502572.0,
3635425.9,   114.8,   333.1,   0.0);
     (502622.0, 3635425.9,   114.6,   333.1,   0.0);   (502672.0,
3635425.9,   114.5,   333.1,   0.0);
     (504772.0, 3635425.9,   113.0,   279.6,   0.0);   (502222.0,
3635475.9,   115.5,   333.1,   0.0);
     (502272.0, 3635475.9,   115.0,   333.1,   0.0);   (502322.0,

3635475.9,   115.1,   333.1,   0.0);
     (502372.0, 3635475.9,   115.3,   333.1,   0.0);   (502422.0,
3635475.9,   115.6,   333.1,   0.0);
     (502472.0, 3635475.9,   116.8,   333.1,   0.0);   (502522.0,
3635475.9,   115.5,   333.1,   0.0);
     (502572.0, 3635475.9,   115.2,   333.1,   0.0);   (502622.0,
3635475.9,   115.0,   333.1,   0.0);
     (502672.0, 3635475.9,   115.8,   333.1,   0.0);   (504772.0,
3635475.9,   114.6,   279.6,   0.0);
     (504822.0, 3635475.9,   114.4,   279.6,   0.0);   (504872.0,
3635475.9,   114.8,   279.6,   0.0);
     (504922.0, 3635475.9,   114.7,   279.6,   0.0);   (502222.0,
3635525.9,   117.8,   333.1,   0.0);
     (502272.0, 3635525.9,   115.6,   333.1,   0.0);   (502322.0,
3635525.9,   115.7,   333.1,   0.0);
     (502372.0, 3635525.9,   115.5,   333.1,   0.0);   (502422.0,
3635525.9,   115.9,   333.1,   0.0);
     (502472.0, 3635525.9,   116.4,   333.1,   0.0);   (502522.0,
3635525.9,   116.0,   333.1,   0.0);
     (502572.0, 3635525.9,   116.0,   333.1,   0.0);   (502622.0,
3635525.9,   116.4,   333.1,   0.0);
     (502672.0, 3635525.9,   117.0,   333.1,   0.0);   (502722.0,
3635525.9,   117.4,   333.1,   0.0);
     (502772.0, 3635525.9,   117.3,   333.1,   0.0);   (502822.0,
3635525.9,   117.2,   333.1,   0.0);
     (502872.0, 3635525.9,   117.0,   333.1,   0.0);   (502922.0,
3635525.9,   116.9,   333.1,   0.0);
     (502972.0, 3635525.9,   116.9,   333.1,   0.0);   (503022.0,
3635525.9,   116.7,   333.1,   0.0);
     (503072.0, 3635525.9,   115.7,   333.1,   0.0);   (503122.0,
3635525.9,   113.4,   333.1,   0.0);
     (503172.0, 3635525.9,   113.3,   333.1,   0.0);   (503222.0,
3635525.9,   115.1,   333.1,   0.0);
     (503272.0, 3635525.9,   115.9,   333.1,   0.0);   (503322.0,
3635525.9,   116.1,   333.1,   0.0);
     (503372.0, 3635525.9,   116.4,   333.1,   0.0);   (503422.0,
3635525.9,   116.4,   333.1,   0.0);
     (503472.0, 3635525.9,   117.5,   333.1,   0.0);   (503522.0,
3635525.9,   118.0,   333.1,   0.0);
     (503572.0, 3635525.9,   116.5,   333.1,   0.0);   (503622.0,
3635525.9,   115.0,   333.1,   0.0);
     (503672.0, 3635525.9,   114.9,   333.1,   0.0);   (503722.0,
3635525.9,   115.4,   333.1,   0.0);
     (503772.0, 3635525.9,   116.1,   333.1,   0.0);   (503822.0,
3635525.9,   116.5,   333.1,   0.0);
     (503872.0, 3635525.9,   115.7,   333.1,   0.0);   (503922.0,
3635525.9,   116.3,   333.1,   0.0);
     (503972.0, 3635525.9,   116.6,   333.1,   0.0);   (504022.0,
3635525.9,   114.9,   333.1,   0.0);
     (504072.0, 3635525.9,   113.4,   333.1,   0.0);   (504122.0,

3635525.9,   113.0,   333.1,   0.0);
     (504172.0, 3635525.9,   113.2,   333.1,   0.0);   (504222.0,
3635525.9,   112.1,   333.1,   0.0);
     (504272.0, 3635525.9,   112.8,   333.1,   0.0);   (504322.0,
3635525.9,   112.8,   333.1,   0.0);
     (504372.0, 3635525.9,   112.6,   333.1,   0.0);   (504422.0,
3635525.9,   112.5,   333.1,   0.0);
     (504472.0, 3635525.9,   112.1,   333.1,   0.0);   (504522.0,
3635525.9,   112.2,   333.1,   0.0);
     (504572.0, 3635525.9,   113.2,   333.1,   0.0);   (504622.0,
3635525.9,   113.6,   333.1,   0.0);
     (504672.0, 3635525.9,   113.9,   333.1,   0.0);   (504722.0,
3635525.9,   114.7,   333.1,   0.0);
     (504772.0, 3635525.9,   114.7,   333.1,   0.0);   (504822.0,
3635525.9,   115.0,   279.6,   0.0);
     (504872.0, 3635525.9,   115.2,   279.6,   0.0);   (504922.0,
3635525.9,   114.5,   279.6,   0.0);
     (504972.0, 3635525.9,   115.0,   279.6,   0.0);   (505022.0,
3635525.9,   116.0,   279.6,   0.0);
     (505072.0, 3635525.9,   115.9,   279.6,   0.0);   (505122.0,
3635525.9,   115.6,   279.6,   0.0);
     (505172.0, 3635525.9,   115.2,   279.6,   0.0);   (505222.0,
3635525.9,   114.6,   279.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (502222.0, 3635575.9,   119.1,   333.1,   0.0);   (502272.0,
3635575.9,   116.4,   333.1,   0.0);
     (502322.0, 3635575.9,   115.9,   333.1,   0.0);   (502372.0,
3635575.9,   116.2,   333.1,   0.0);
     (502422.0, 3635575.9,   116.7,   333.1,   0.0);   (502472.0,
3635575.9,   116.6,   333.1,   0.0);
     (502522.0, 3635575.9,   116.2,   333.1,   0.0);   (502572.0,
3635575.9,   116.4,   333.1,   0.0);
     (502622.0, 3635575.9,   116.9,   333.1,   0.0);   (502672.0,
3635575.9,   117.6,   333.1,   0.0);
     (502722.0, 3635575.9,   117.9,   333.1,   0.0);   (502772.0,
3635575.9,   117.6,   333.1,   0.0);
     (502822.0, 3635575.9,   117.5,   333.1,   0.0);   (502872.0,
3635575.9,   117.5,   333.1,   0.0);
     (502922.0, 3635575.9,   117.4,   333.1,   0.0);   (502972.0,

3635575.9,   117.7,   333.1,   0.0);
     (503022.0, 3635575.9,   117.7,   333.1,   0.0);   (503072.0,
3635575.9,   116.2,   333.1,   0.0);
     (503122.0, 3635575.9,   113.4,   333.1,   0.0);   (503172.0,
3635575.9,   113.3,   333.1,   0.0);
     (503222.0, 3635575.9,   117.5,   333.1,   0.0);   (503272.0,
3635575.9,   118.4,   333.1,   0.0);
     (503322.0, 3635575.9,   118.4,   333.1,   0.0);   (503372.0,
3635575.9,   118.9,   333.1,   0.0);
     (503422.0, 3635575.9,   118.9,   333.1,   0.0);   (503472.0,
3635575.9,   120.2,   333.1,   0.0);
     (503522.0, 3635575.9,   120.5,   333.1,   0.0);   (503572.0,
3635575.9,   118.7,   333.1,   0.0);
     (503622.0, 3635575.9,   116.5,   333.1,   0.0);   (503672.0,
3635575.9,   116.1,   333.1,   0.0);
     (503722.0, 3635575.9,   116.1,   333.1,   0.0);   (503772.0,
3635575.9,   116.2,   333.1,   0.0);
     (503822.0, 3635575.9,   116.1,   333.1,   0.0);   (503872.0,
3635575.9,   116.2,   333.1,   0.0);
     (503922.0, 3635575.9,   116.3,   333.1,   0.0);   (503972.0,
3635575.9,   116.6,   333.1,   0.0);
     (504022.0, 3635575.9,   113.5,   333.1,   0.0);   (504072.0,
3635575.9,   113.2,   333.1,   0.0);
     (504122.0, 3635575.9,   113.3,   333.1,   0.0);   (504172.0,
3635575.9,   113.3,   333.1,   0.0);
     (504222.0, 3635575.9,   113.1,   333.1,   0.0);   (504272.0,
3635575.9,   112.3,   333.1,   0.0);
     (504322.0, 3635575.9,   112.6,   333.1,   0.0);   (504372.0,
3635575.9,   112.8,   333.1,   0.0);
     (504422.0, 3635575.9,   112.8,   333.1,   0.0);   (504472.0,
3635575.9,   112.3,   333.1,   0.0);
     (504522.0, 3635575.9,   112.6,   333.1,   0.0);   (504572.0,
3635575.9,   112.4,   333.1,   0.0);
     (504622.0, 3635575.9,   113.6,   333.1,   0.0);   (504672.0,
3635575.9,   113.8,   333.1,   0.0);
     (504722.0, 3635575.9,   114.1,   333.1,   0.0);   (504772.0,
3635575.9,   114.6,   333.1,   0.0);
     (504822.0, 3635575.9,   115.1,   333.1,   0.0);   (504872.0,
3635575.9,   114.9,   333.1,   0.0);
     (504922.0, 3635575.9,   114.2,   279.6,   0.0);   (504972.0,
3635575.9,   115.0,   279.6,   0.0);
     (505022.0, 3635575.9,   115.7,   279.6,   0.0);   (505072.0,
3635575.9,   116.0,   279.6,   0.0);
     (505122.0, 3635575.9,   117.9,   279.6,   0.0);   (505172.0,
3635575.9,   115.5,   279.6,   0.0);
     (505222.0, 3635575.9,   116.3,   279.6,   0.0);   (502222.0,
3635625.9,   120.8,   333.1,   0.0);
     (502272.0, 3635625.9,   118.3,   333.1,   0.0);   (502322.0,
3635625.9,   117.5,   333.1,   0.0);
     (502372.0, 3635625.9,   116.7,   333.1,   0.0);   (502422.0,

3635625.9,   118.4,   333.1,   0.0);
     (502472.0, 3635625.9,   118.7,   333.1,   0.0);   (502522.0,
3635625.9,   118.7,   333.1,   0.0);
     (502572.0, 3635625.9,   117.4,   333.1,   0.0);   (502622.0,
3635625.9,   117.0,   333.1,   0.0);
     (502672.0, 3635625.9,   117.8,   333.1,   0.0);   (502722.0,
3635625.9,   118.4,   333.1,   0.0);
     (502772.0, 3635625.9,   118.5,   333.1,   0.0);   (502822.0,
3635625.9,   118.8,   333.1,   0.0);
     (502872.0, 3635625.9,   119.2,   333.1,   0.0);   (502922.0,
3635625.9,   119.5,   333.1,   0.0);
     (502972.0, 3635625.9,   119.8,   333.1,   0.0);   (503022.0,
3635625.9,   120.2,   333.1,   0.0);
     (503072.0, 3635625.9,   120.3,   333.1,   0.0);   (503122.0,
3635625.9,   120.3,   333.1,   0.0);
     (503172.0, 3635625.9,   120.6,   333.1,   0.0);   (503222.0,
3635625.9,   121.3,   333.1,   0.0);
     (503272.0, 3635625.9,   121.1,   333.1,   0.0);   (503322.0,
3635625.9,   121.0,   333.1,   0.0);
     (503372.0, 3635625.9,   120.2,   333.1,   0.0);   (503422.0,
3635625.9,   120.2,   333.1,   0.0);
     (503472.0, 3635625.9,   122.9,   333.1,   0.0);   (503522.0,
3635625.9,   123.4,   333.1,   0.0);
     (503572.0, 3635625.9,   120.6,   333.1,   0.0);   (503622.0,
3635625.9,   118.5,   333.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (503672.0, 3635625.9,   118.0,   333.1,   0.0);   (503722.0,
3635625.9,   117.7,   333.1,   0.0);
     (503772.0, 3635625.9,   117.6,   333.1,   0.0);   (503822.0,
3635625.9,   117.1,   333.1,   0.0);
     (503872.0, 3635625.9,   115.8,   333.1,   0.0);   (503922.0,
3635625.9,   116.2,   333.1,   0.0);
     (503972.0, 3635625.9,   116.2,   333.1,   0.0);   (504022.0,
3635625.9,   114.0,   333.1,   0.0);
     (504072.0, 3635625.9,   113.4,   333.1,   0.0);   (504122.0,
3635625.9,   113.4,   333.1,   0.0);
     (504172.0, 3635625.9,   113.4,   333.1,   0.0);   (504222.0,
3635625.9,   113.7,   333.1,   0.0);
     (504272.0, 3635625.9,   113.5,   333.1,   0.0);   (504322.0,

3635625.9,   112.5,   333.1,   0.0);
     (504372.0, 3635625.9,   112.6,   333.1,   0.0);   (504422.0,
3635625.9,   113.0,   333.1,   0.0);
     (504472.0, 3635625.9,   112.8,   333.1,   0.0);   (504522.0,
3635625.9,   112.8,   333.1,   0.0);
     (504572.0, 3635625.9,   112.5,   333.1,   0.0);   (504622.0,
3635625.9,   113.0,   333.1,   0.0);
     (504672.0, 3635625.9,   113.2,   333.1,   0.0);   (504722.0,
3635625.9,   113.8,   333.1,   0.0);
     (504772.0, 3635625.9,   114.5,   333.1,   0.0);   (504822.0,
3635625.9,   114.9,   333.1,   0.0);
     (504872.0, 3635625.9,   114.8,   333.1,   0.0);   (504922.0,
3635625.9,   114.1,   333.1,   0.0);
     (504972.0, 3635625.9,   115.1,   279.6,   0.0);   (505022.0,
3635625.9,   114.2,   279.6,   0.0);
     (505072.0, 3635625.9,   114.2,   279.6,   0.0);   (505122.0,
3635625.9,   116.1,   279.6,   0.0);
     (505172.0, 3635625.9,   115.6,   279.6,   0.0);   (505222.0,
3635625.9,   115.3,   279.6,   0.0);
     (502222.0, 3635675.9,   122.8,   333.1,   0.0);   (502272.0,
3635675.9,   120.2,   333.1,   0.0);
     (502322.0, 3635675.9,   119.7,   333.1,   0.0);   (502372.0,
3635675.9,   119.0,   333.1,   0.0);
     (502422.0, 3635675.9,   119.5,   333.1,   0.0);   (502472.0,
3635675.9,   119.4,   333.1,   0.0);
     (502522.0, 3635675.9,   119.3,   333.1,   0.0);   (502572.0,
3635675.9,   118.5,   333.1,   0.0);
     (502622.0, 3635675.9,   118.1,   333.1,   0.0);   (502672.0,
3635675.9,   118.2,   333.1,   0.0);
     (502722.0, 3635675.9,   119.0,   333.1,   0.0);   (502772.0,
3635675.9,   120.4,   333.1,   0.0);
     (502822.0, 3635675.9,   120.7,   333.1,   0.0);   (502872.0,
3635675.9,   121.3,   333.1,   0.0);
     (502922.0, 3635675.9,   123.6,   333.1,   0.0);   (502972.0,
3635675.9,   123.2,   333.1,   0.0);
     (503022.0, 3635675.9,   124.6,   333.1,   0.0);   (503072.0,
3635675.9,   124.8,   333.1,   0.0);
     (503122.0, 3635675.9,   125.4,   333.1,   0.0);   (503172.0,
3635675.9,   125.8,   333.1,   0.0);
     (503222.0, 3635675.9,   124.7,   333.1,   0.0);   (503272.0,
3635675.9,   124.3,   333.1,   0.0);
     (503322.0, 3635675.9,   124.6,   333.1,   0.0);   (503372.0,
3635675.9,   124.2,   333.1,   0.0);
     (503422.0, 3635675.9,   123.1,   333.1,   0.0);   (503472.0,
3635675.9,   124.2,   333.1,   0.0);
     (503522.0, 3635675.9,   125.0,   333.1,   0.0);   (503572.0,
3635675.9,   122.0,   333.1,   0.0);
     (503622.0, 3635675.9,   119.9,   333.1,   0.0);   (503672.0,
3635675.9,   118.8,   333.1,   0.0);
     (503722.0, 3635675.9,   119.1,   333.1,   0.0);   (503772.0,

3635675.9,   119.0,   333.1,   0.0);
     (503822.0, 3635675.9,   118.0,   333.1,   0.0);   (503872.0,
3635675.9,   116.8,   333.1,   0.0);
     (503922.0, 3635675.9,   117.2,   333.1,   0.0);   (503972.0,
3635675.9,   116.7,   333.1,   0.0);
     (504022.0, 3635675.9,   114.6,   333.1,   0.0);   (504072.0,
3635675.9,   114.0,   333.1,   0.0);
     (504122.0, 3635675.9,   113.5,   333.1,   0.0);   (504172.0,
3635675.9,   113.5,   333.1,   0.0);
     (504222.0, 3635675.9,   113.5,   333.1,   0.0);   (504272.0,
3635675.9,   113.7,   333.1,   0.0);
     (504322.0, 3635675.9,   113.3,   333.1,   0.0);   (504372.0,
3635675.9,   112.6,   333.1,   0.0);
     (504422.0, 3635675.9,   112.6,   333.1,   0.0);   (504472.0,
3635675.9,   113.2,   333.1,   0.0);
     (504522.0, 3635675.9,   113.8,   333.1,   0.0);   (504572.0,
3635675.9,   113.0,   333.1,   0.0);
     (504622.0, 3635675.9,   113.8,   333.1,   0.0);   (504672.0,
3635675.9,   113.3,   333.1,   0.0);
     (504722.0, 3635675.9,   113.4,   333.1,   0.0);   (504772.0,
3635675.9,   115.6,   333.1,   0.0);
     (504822.0, 3635675.9,   114.8,   333.1,   0.0);   (504872.0,
3635675.9,   114.7,   333.1,   0.0);
     (504922.0, 3635675.9,   114.1,   333.1,   0.0);   (504972.0,
3635675.9,   115.1,   333.1,   0.0);
     (505022.0, 3635675.9,   114.9,   279.6,   0.0);   (505072.0,
3635675.9,   114.3,   279.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                         (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     (505122.0, 3635675.9,   116.0,   279.6,   0.0);   (505172.0,
3635675.9,   116.0,   279.6,   0.0);
     (505222.0, 3635675.9,   115.5,   279.6,   0.0);   (502222.0,
3635725.9,   124.5,   333.1,   0.0);
     (502272.0, 3635725.9,   121.4,   333.1,   0.0);   (502322.0,
3635725.9,   120.3,   333.1,   0.0);
     (502372.0, 3635725.9,   119.3,   333.1,   0.0);   (502422.0,
3635725.9,   120.1,   333.1,   0.0);
     (502472.0, 3635725.9,   119.9,   333.1,   0.0);   (502522.0,
3635725.9,   120.2,   333.1,   0.0);
     (502572.0, 3635725.9,   118.9,   333.1,   0.0);   (502622.0,

3635725.9,   118.3,   333.1,   0.0);
     (502672.0, 3635725.9,   118.8,   333.1,   0.0);   (502722.0,
3635725.9,   119.5,   333.1,   0.0);
     (502772.0, 3635725.9,   120.8,   333.1,   0.0);   (502822.0,
3635725.9,   121.6,   333.1,   0.0);
     (502872.0, 3635725.9,   122.3,   333.1,   0.0);   (502922.0,
3635725.9,   126.0,   333.1,   0.0);
     (502972.0, 3635725.9,   126.6,   333.1,   0.0);   (503022.0,
3635725.9,   128.4,   333.1,   0.0);
     (503072.0, 3635725.9,   127.8,   333.1,   0.0);   (503122.0,
3635725.9,   128.8,   333.1,   0.0);
     (503172.0, 3635725.9,   128.9,   333.1,   0.0);   (503222.0,
3635725.9,   126.6,   333.1,   0.0);
     (503272.0, 3635725.9,   126.5,   333.1,   0.0);   (503322.0,
3635725.9,   126.9,   333.1,   0.0);
     (503372.0, 3635725.9,   126.8,   333.1,   0.0);   (503422.0,
3635725.9,   124.7,   333.1,   0.0);
     (503472.0, 3635725.9,   124.5,   333.1,   0.0);   (503522.0,
3635725.9,   124.8,   333.1,   0.0);
     (503572.0, 3635725.9,   122.0,   333.1,   0.0);   (503622.0,
3635725.9,   121.4,   333.1,   0.0);
     (503672.0, 3635725.9,   119.6,   333.1,   0.0);   (503722.0,
3635725.9,   120.0,   333.1,   0.0);
     (503772.0, 3635725.9,   119.7,   333.1,   0.0);   (503822.0,
3635725.9,   118.5,   333.1,   0.0);
     (503872.0, 3635725.9,   117.4,   333.1,   0.0);   (503922.0,
3635725.9,   117.6,   333.1,   0.0);
     (503972.0, 3635725.9,   117.3,   333.1,   0.0);   (504022.0,
3635725.9,   115.3,   333.1,   0.0);
     (504072.0, 3635725.9,   114.8,   333.1,   0.0);   (504122.0,
3635725.9,   114.1,   333.1,   0.0);
     (504172.0, 3635725.9,   114.0,   333.1,   0.0);   (504222.0,
3635725.9,   114.7,   333.1,   0.0);
     (504272.0, 3635725.9,   114.6,   333.1,   0.0);   (504322.0,
3635725.9,   113.7,   333.1,   0.0);
     (504372.0, 3635725.9,   113.5,   333.1,   0.0);   (504422.0,
3635725.9,   113.0,   333.1,   0.0);
     (504472.0, 3635725.9,   113.8,   333.1,   0.0);   (504522.0,
3635725.9,   114.2,   333.1,   0.0);
     (504572.0, 3635725.9,   113.7,   333.1,   0.0);   (504622.0,
3635725.9,   114.0,   333.1,   0.0);
     (504672.0, 3635725.9,   114.2,   333.1,   0.0);   (504722.0,
3635725.9,   113.6,   333.1,   0.0);
     (504772.0, 3635725.9,   113.6,   333.1,   0.0);   (504822.0,
3635725.9,   114.3,   333.1,   0.0);
     (504872.0, 3635725.9,   114.0,   333.1,   0.0);   (504922.0,
3635725.9,   114.1,   333.1,   0.0);
     (504972.0, 3635725.9,   115.1,   333.1,   0.0);   (505022.0,
3635725.9,   115.5,   279.6,   0.0);
     (505072.0, 3635725.9,   114.8,   279.6,   0.0);   (505122.0,

3635725.9,   116.0,   279.6,   0.0);
     (505172.0, 3635725.9,   116.0,   279.6,   0.0);   (505222.0,
3635725.9,   115.8,   279.6,   0.0);
     (502222.0, 3635775.9,   125.7,   333.1,   0.0);   (502272.0,
3635775.9,   122.0,   333.1,   0.0);
     (502322.0, 3635775.9,   121.1,   333.1,   0.0);   (502372.0,
3635775.9,   119.9,   333.1,   0.0);
     (502422.0, 3635775.9,   120.5,   333.1,   0.0);   (502472.0,
3635775.9,   120.5,   333.1,   0.0);
     (502522.0, 3635775.9,   120.7,   333.1,   0.0);   (502572.0,
3635775.9,   120.2,   333.1,   0.0);
     (502622.0, 3635775.9,   120.0,   333.1,   0.0);   (502672.0,
3635775.9,   120.2,   333.1,   0.0);
     (502722.0, 3635775.9,   119.8,   343.5,   0.0);   (502772.0,
3635775.9,   120.3,   343.5,   0.0);
     (502822.0, 3635775.9,   121.5,   333.1,   0.0);   (502872.0,
3635775.9,   123.0,   333.1,   0.0);
     (502922.0, 3635775.9,   126.9,   333.1,   0.0);   (502972.0,
3635775.9,   127.4,   333.1,   0.0);
     (503022.0, 3635775.9,   130.3,   333.1,   0.0);   (503072.0,
3635775.9,   130.2,   333.1,   0.0);
     (503122.0, 3635775.9,   130.4,   333.1,   0.0);   (503172.0,
3635775.9,   129.6,   333.1,   0.0);
     (503222.0, 3635775.9,   135.3,   333.1,   0.0);   (503272.0,
3635775.9,   137.7,   333.1,   0.0);
     (503322.0, 3635775.9,   135.5,   333.1,   0.0);   (503372.0,
3635775.9,   130.7,   333.1,   0.0);
     (503422.0, 3635775.9,   127.4,   333.1,   0.0);   (503472.0,
3635775.9,   126.5,   333.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (503522.0, 3635775.9,   128.5,   333.1,   0.0);   (503572.0,
3635775.9,   125.5,   333.1,   0.0);
     (503622.0, 3635775.9,   124.4,   333.1,   0.0);   (503672.0,
3635775.9,   121.6,   333.1,   0.0);
     (503722.0, 3635775.9,   120.1,   333.1,   0.0);   (503772.0,
3635775.9,   120.2,   333.1,   0.0);
     (503822.0, 3635775.9,   119.5,   333.1,   0.0);   (503872.0,
3635775.9,   119.4,   333.1,   0.0);
     (503922.0, 3635775.9,   120.4,   333.1,   0.0);   (503972.0,

3635775.9,   119.3,   333.1,   0.0);
     (504022.0, 3635775.9,   116.3,   333.1,   0.0);   (504072.0,
3635775.9,   116.8,   333.1,   0.0);
     (504122.0, 3635775.9,   115.6,   333.1,   0.0);   (504172.0,
3635775.9,   115.4,   333.1,   0.0);
     (504222.0, 3635775.9,   115.7,   333.1,   0.0);   (504272.0,
3635775.9,   115.7,   333.1,   0.0);
     (504322.0, 3635775.9,   114.7,   333.1,   0.0);   (504372.0,
3635775.9,   114.1,   333.1,   0.0);
     (504422.0, 3635775.9,   113.7,   333.1,   0.0);   (504472.0,
3635775.9,   114.3,   333.1,   0.0);
     (504522.0, 3635775.9,   114.5,   333.1,   0.0);   (504572.0,
3635775.9,   114.0,   333.1,   0.0);
     (504622.0, 3635775.9,   114.3,   333.1,   0.0);   (504672.0,
3635775.9,   114.1,   333.1,   0.0);
     (504722.0, 3635775.9,   113.8,   333.1,   0.0);   (504772.0,
3635775.9,   113.9,   333.1,   0.0);
     (504822.0, 3635775.9,   114.0,   333.1,   0.0);   (504872.0,
3635775.9,   114.0,   333.1,   0.0);
     (504922.0, 3635775.9,   114.1,   333.1,   0.0);   (504972.0,
3635775.9,   115.2,   333.1,   0.0);
     (505022.0, 3635775.9,   115.5,   333.1,   0.0);   (505072.0,
3635775.9,   114.9,   279.6,   0.0);
     (505122.0, 3635775.9,   115.5,   279.6,   0.0);   (505172.0,
3635775.9,   115.8,   279.6,   0.0);
     (505222.0, 3635775.9,   116.0,   279.6,   0.0);   (502222.0,
3635825.9,   126.7,   333.1,   0.0);
     (502272.0, 3635825.9,   122.6,   333.1,   0.0);   (502322.0,
3635825.9,   121.6,   333.1,   0.0);
     (502372.0, 3635825.9,   120.3,   333.1,   0.0);   (502422.0,
3635825.9,   121.1,   340.7,   0.0);
     (502472.0, 3635825.9,   120.9,   343.5,   0.0);   (502522.0,
3635825.9,   121.2,   343.5,   0.0);
     (502572.0, 3635825.9,   120.7,   352.4,   0.0);   (502622.0,
3635825.9,   120.5,   352.4,   0.0);
     (502672.0, 3635825.9,   120.6,   352.4,   0.0);   (502722.0,
3635825.9,   120.9,   352.4,   0.0);
     (502772.0, 3635825.9,   120.9,   352.4,   0.0);   (502822.0,
3635825.9,   122.0,   352.4,   0.0);
     (502872.0, 3635825.9,   123.5,   352.4,   0.0);   (502922.0,
3635825.9,   127.6,   333.1,   0.0);
     (502972.0, 3635825.9,   127.8,   333.1,   0.0);   (503022.0,
3635825.9,   132.4,   333.1,   0.0);
     (503072.0, 3635825.9,   133.6,   333.1,   0.0);   (503122.0,
3635825.9,   133.0,   333.1,   0.0);
     (503172.0, 3635825.9,   131.9,   333.1,   0.0);   (503222.0,
3635825.9,   138.8,   333.1,   0.0);
     (503272.0, 3635825.9,   139.4,   333.1,   0.0);   (503322.0,
3635825.9,   137.4,   333.1,   0.0);
     (503372.0, 3635825.9,   131.7,   333.1,   0.0);   (503422.0,

3635825.9,   129.7,   333.1,   0.0);
     (503472.0, 3635825.9,   128.2,   333.1,   0.0);   (503522.0,
3635825.9,   135.7,   333.1,   0.0);
     (503572.0, 3635825.9,   134.0,   333.1,   0.0);   (503622.0,
3635825.9,   129.7,   333.1,   0.0);
     (503672.0, 3635825.9,   124.4,   333.1,   0.0);   (503722.0,
3635825.9,   122.2,   333.1,   0.0);
     (503772.0, 3635825.9,   120.7,   333.1,   0.0);   (503822.0,
3635825.9,   120.6,   333.1,   0.0);
     (503872.0, 3635825.9,   120.4,   333.1,   0.0);   (503922.0,
3635825.9,   120.7,   333.1,   0.0);
     (503972.0, 3635825.9,   120.8,   333.1,   0.0);   (504022.0,
3635825.9,   117.5,   333.1,   0.0);
     (504072.0, 3635825.9,   119.2,   333.1,   0.0);   (504122.0,
3635825.9,   118.7,   333.1,   0.0);
     (504172.0, 3635825.9,   117.0,   333.1,   0.0);   (504222.0,
3635825.9,   116.9,   333.1,   0.0);
     (504272.0, 3635825.9,   117.5,   333.1,   0.0);   (504322.0,
3635825.9,   116.3,   333.1,   0.0);
     (504372.0, 3635825.9,   115.2,   333.1,   0.0);   (504422.0,
3635825.9,   114.7,   333.1,   0.0);
     (504472.0, 3635825.9,   114.9,   333.1,   0.0);   (504522.0,
3635825.9,   115.3,   333.1,   0.0);
     (504572.0, 3635825.9,   114.6,   333.1,   0.0);   (504622.0,
3635825.9,   114.6,   333.1,   0.0);
     (504672.0, 3635825.9,   114.3,   333.1,   0.0);   (504722.0,
3635825.9,   113.7,   333.1,   0.0);
     (504772.0, 3635825.9,   113.8,   333.1,   0.0);   (504822.0,
3635825.9,   114.2,   333.1,   0.0);
     (504872.0, 3635825.9,   114.4,   333.1,   0.0);   (504922.0,
3635825.9,   114.3,   333.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (504972.0, 3635825.9,   114.8,   333.1,   0.0);   (505022.0,
3635825.9,   115.1,   333.1,   0.0);
     (505072.0, 3635825.9,   115.4,   333.1,   0.0);   (505122.0,
3635825.9,   115.3,   279.6,   0.0);
     (505172.0, 3635825.9,   115.8,   279.6,   0.0);   (505222.0,
3635825.9,   116.0,   279.6,   0.0);
     (502222.0, 3635875.9,   127.4,   333.1,   0.0);   (502272.0,

3635875.9,   123.0,   333.1,   0.0);
     (502322.0, 3635875.9,   121.6,   343.5,   0.0);   (502372.0,
3635875.9,   120.8,   352.4,   0.0);
     (502422.0, 3635875.9,   121.5,   352.4,   0.0);   (502472.0,
3635875.9,   121.4,   352.4,   0.0);
     (502522.0, 3635875.9,   122.0,   352.4,   0.0);   (502572.0,
3635875.9,   121.5,   352.4,   0.0);
     (502622.0, 3635875.9,   122.1,   352.4,   0.0);   (502672.0,
3635875.9,   122.1,   352.4,   0.0);
     (502722.0, 3635875.9,   121.9,   352.4,   0.0);   (502772.0,
3635875.9,   121.9,   363.2,   0.0);
     (502822.0, 3635875.9,   123.1,   363.2,   0.0);   (502872.0,
3635875.9,   124.4,   352.4,   0.0);
     (502922.0, 3635875.9,   129.9,   352.4,   0.0);   (502972.0,
3635875.9,   129.7,   352.4,   0.0);
     (503022.0, 3635875.9,   134.1,   333.1,   0.0);   (503072.0,
3635875.9,   135.1,   333.1,   0.0);
     (503122.0, 3635875.9,   134.8,   333.1,   0.0);   (503172.0,
3635875.9,   133.6,   333.1,   0.0);
     (503222.0, 3635875.9,   135.5,   333.1,   0.0);   (503272.0,
3635875.9,   137.8,   333.1,   0.0);
     (503322.0, 3635875.9,   133.9,   333.1,   0.0);   (503372.0,
3635875.9,   133.1,   333.1,   0.0);
     (503422.0, 3635875.9,   131.0,   333.1,   0.0);   (503472.0,
3635875.9,   131.5,   333.1,   0.0);
     (503522.0, 3635875.9,   143.4,   333.1,   0.0);   (503572.0,
3635875.9,   135.4,   333.1,   0.0);
     (503622.0, 3635875.9,   129.4,   333.1,   0.0);   (503672.0,
3635875.9,   124.3,   333.1,   0.0);
     (503722.0, 3635875.9,   122.6,   333.1,   0.0);   (503772.0,
3635875.9,   121.6,   333.1,   0.0);
     (503822.0, 3635875.9,   121.7,   333.1,   0.0);   (503872.0,
3635875.9,   122.5,   333.1,   0.0);
     (503922.0, 3635875.9,   121.9,   333.1,   0.0);   (503972.0,
3635875.9,   121.4,   333.1,   0.0);
     (504022.0, 3635875.9,   119.3,   333.1,   0.0);   (504072.0,
3635875.9,   120.6,   333.1,   0.0);
     (504122.0, 3635875.9,   120.0,   333.1,   0.0);   (504172.0,
3635875.9,   119.0,   333.1,   0.0);
     (504222.0, 3635875.9,   119.5,   333.1,   0.0);   (504272.0,
3635875.9,   119.6,   333.1,   0.0);
     (504322.0, 3635875.9,   118.2,   333.1,   0.0);   (504372.0,
3635875.9,   117.2,   333.1,   0.0);
     (504422.0, 3635875.9,   116.9,   333.1,   0.0);   (504472.0,
3635875.9,   115.8,   333.1,   0.0);
     (504522.0, 3635875.9,   115.6,   333.1,   0.0);   (504572.0,
3635875.9,   115.3,   333.1,   0.0);
     (504622.0, 3635875.9,   115.1,   333.1,   0.0);   (504672.0,
3635875.9,   114.8,   333.1,   0.0);
     (504722.0, 3635875.9,   113.8,   333.1,   0.0);   (504772.0,

3635875.9,   113.9,   333.1,   0.0);
     (504822.0, 3635875.9,   114.3,   333.1,   0.0);   (504872.0,
3635875.9,   114.3,   333.1,   0.0);
     (504922.0, 3635875.9,   114.4,   333.1,   0.0);   (504972.0,
3635875.9,   115.1,   333.1,   0.0);
     (505022.0, 3635875.9,   114.9,   333.1,   0.0);   (505072.0,
3635875.9,   114.8,   333.1,   0.0);
     (505122.0, 3635875.9,   115.3,   333.1,   0.0);   (505172.0,
3635875.9,   115.6,   279.6,   0.0);
     (505222.0, 3635875.9,   116.0,   279.6,   0.0);   (502222.0,
3635925.9,   128.5,   333.1,   0.0);
     (502272.0, 3635925.9,   123.7,   352.4,   0.0);   (502322.0,
3635925.9,   122.6,   352.4,   0.0);
     (502372.0, 3635925.9,   121.2,   352.4,   0.0);   (502422.0,
3635925.9,   121.9,   352.4,   0.0);
     (502472.0, 3635925.9,   121.9,   352.4,   0.0);   (502522.0,
3635925.9,   123.0,   352.4,   0.0);
     (502572.0, 3635925.9,   122.8,   363.2,   0.0);   (502622.0,
3635925.9,   123.1,   363.2,   0.0);
     (502672.0, 3635925.9,   123.1,   363.2,   0.0);   (502722.0,
3635925.9,   123.0,   363.2,   0.0);
     (502772.0, 3635925.9,   122.8,   363.2,   0.0);   (502822.0,
3635925.9,   124.4,   363.2,   0.0);
     (502872.0, 3635925.9,   125.4,   363.2,   0.0);   (502922.0,
3635925.9,   130.9,   352.4,   0.0);
     (502972.0, 3635925.9,   131.4,   352.4,   0.0);   (503022.0,
3635925.9,   135.2,   352.4,   0.0);
     (503072.0, 3635925.9,   136.5,   333.1,   0.0);   (503122.0,
3635925.9,   136.2,   333.1,   0.0);
     (503172.0, 3635925.9,   136.0,   333.1,   0.0);   (503222.0,
3635925.9,   136.9,   333.1,   0.0);
     (503272.0, 3635925.9,   136.5,   333.1,   0.0);   (503322.0,
3635925.9,   134.7,   333.1,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (503372.0, 3635925.9,   133.2,   333.1,   0.0);   (503422.0,
3635925.9,   132.4,   333.1,   0.0);
     (503472.0, 3635925.9,   137.7,   333.1,   0.0);   (503522.0,
3635925.9,   143.9,   333.1,   0.0);
     (503572.0, 3635925.9,   137.4,   333.1,   0.0);   (503622.0,

3635925.9,   127.9,   333.1,   0.0);
     (503672.0, 3635925.9,   124.9,   363.2,   0.0);   (503722.0,
3635925.9,   123.9,   363.2,   0.0);
     (503772.0, 3635925.9,   123.6,   363.2,   0.0);   (503822.0,
3635925.9,   123.0,   333.1,   0.0);
     (503872.0, 3635925.9,   122.2,   333.1,   0.0);   (503922.0,
3635925.9,   122.0,   333.1,   0.0);
     (503972.0, 3635925.9,   122.0,   333.1,   0.0);   (504022.0,
3635925.9,   120.8,   333.1,   0.0);
     (504072.0, 3635925.9,   121.0,   333.1,   0.0);   (504122.0,
3635925.9,   121.2,   333.1,   0.0);
     (504172.0, 3635925.9,   121.5,   333.1,   0.0);   (504222.0,
3635925.9,   122.4,   333.1,   0.0);
     (504272.0, 3635925.9,   121.2,   333.1,   0.0);   (504322.0,
3635925.9,   119.9,   333.1,   0.0);
     (504372.0, 3635925.9,   119.7,   333.1,   0.0);   (504422.0,
3635925.9,   119.5,   333.1,   0.0);
     (504472.0, 3635925.9,   118.6,   333.1,   0.0);   (504522.0,
3635925.9,   117.4,   333.1,   0.0);
     (504572.0, 3635925.9,   116.2,   333.1,   0.0);   (504622.0,
3635925.9,   115.1,   333.1,   0.0);
     (504672.0, 3635925.9,   115.3,   333.1,   0.0);   (504722.0,
3635925.9,   114.9,   333.1,   0.0);
     (504772.0, 3635925.9,   114.5,   333.1,   0.0);   (504822.0,
3635925.9,   114.0,   333.1,   0.0);
     (504872.0, 3635925.9,   114.2,   333.1,   0.0);   (504922.0,
3635925.9,   114.3,   333.1,   0.0);
     (504972.0, 3635925.9,   115.3,   333.1,   0.0);   (505022.0,
3635925.9,   115.7,   333.1,   0.0);
     (505072.0, 3635925.9,   115.8,   333.1,   0.0);   (505122.0,
3635925.9,   115.4,   333.1,   0.0);
     (505172.0, 3635925.9,   115.5,   333.1,   0.0);   (505222.0,
3635925.9,   116.8,   279.6,   0.0);
     (502222.0, 3635975.9,   131.0,   333.1,   0.0);   (502272.0,
3635975.9,   126.1,   352.4,   0.0);
     (502322.0, 3635975.9,   124.4,   352.4,   0.0);   (502372.0,
3635975.9,   122.2,   352.4,   0.0);
     (502422.0, 3635975.9,   122.8,   363.2,   0.0);   (502472.0,
3635975.9,   122.7,   363.2,   0.0);
     (502522.0, 3635975.9,   123.6,   363.2,   0.0);   (502572.0,
3635975.9,   122.8,   363.2,   0.0);
     (502622.0, 3635975.9,   123.2,   363.2,   0.0);   (502672.0,
3635975.9,   124.1,   363.2,   0.0);
     (502722.0, 3635975.9,   124.2,   363.2,   0.0);   (502772.0,
3635975.9,   124.4,   363.2,   0.0);
     (502822.0, 3635975.9,   126.2,   363.2,   0.0);   (502872.0,
3635975.9,   126.3,   363.2,   0.0);
     (502922.0, 3635975.9,   131.3,   363.2,   0.0);   (502972.0,
3635975.9,   131.7,   363.2,   0.0);
     (503022.0, 3635975.9,   135.7,   352.4,   0.0);   (503072.0,

3635975.9,   136.2,   352.4,   0.0);
     (503122.0, 3635975.9,   137.0,   352.4,   0.0);   (503172.0,
3635975.9,   137.0,   352.4,   0.0);
     (503222.0, 3635975.9,   137.1,   352.4,   0.0);   (503272.0,
3635975.9,   135.8,   363.2,   0.0);
     (503322.0, 3635975.9,   134.7,   363.2,   0.0);   (503372.0,
3635975.9,   132.0,   363.2,   0.0);
     (503422.0, 3635975.9,   137.3,   333.1,   0.0);   (503472.0,
3635975.9,   141.1,   333.1,   0.0);
     (503522.0, 3635975.9,   139.4,   333.1,   0.0);   (503572.0,
3635975.9,   131.4,   363.2,   0.0);
     (503622.0, 3635975.9,   127.6,   363.2,   0.0);   (503672.0,
3635975.9,   126.2,   363.2,   0.0);
     (503722.0, 3635975.9,   125.3,   363.2,   0.0);   (503772.0,
3635975.9,   124.8,   363.2,   0.0);
     (503822.0, 3635975.9,   123.9,   363.2,   0.0);   (503872.0,
3635975.9,   122.6,   363.2,   0.0);
     (503922.0, 3635975.9,   122.3,   363.2,   0.0);   (503972.0,
3635975.9,   122.2,   363.2,   0.0);
     (504022.0, 3635975.9,   122.4,   333.1,   0.0);   (504072.0,
3635975.9,   123.1,   333.1,   0.0);
     (504122.0, 3635975.9,   123.7,   333.1,   0.0);   (504172.0,
3635975.9,   124.6,   333.1,   0.0);
     (504222.0, 3635975.9,   124.9,   333.1,   0.0);   (504272.0,
3635975.9,   123.2,   333.1,   0.0);
     (504322.0, 3635975.9,   122.7,   333.1,   0.0);   (504372.0,
3635975.9,   123.0,   333.1,   0.0);
     (504422.0, 3635975.9,   122.6,   333.1,   0.0);   (504472.0,
3635975.9,   121.2,   333.1,   0.0);
     (504522.0, 3635975.9,   120.6,   333.1,   0.0);   (504572.0,
3635975.9,   119.7,   333.1,   0.0);
     (504622.0, 3635975.9,   119.5,   333.1,   0.0);   (504672.0,
3635975.9,   117.8,   333.1,   0.0);
     (504722.0, 3635975.9,   117.2,   333.1,   0.0);   (504772.0,
3635975.9,   116.2,   333.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (504822.0, 3635975.9,   115.2,   333.1,   0.0);   (504872.0,
3635975.9,   114.7,   333.1,   0.0);
     (504922.0, 3635975.9,   114.4,   333.1,   0.0);   (504972.0,

3635975.9,   115.4,   333.1,   0.0);
     (505022.0, 3635975.9,   115.7,   333.1,   0.0);   (505072.0,
3635975.9,   115.9,   333.1,   0.0);
     (505122.0, 3635975.9,   115.8,   333.1,   0.0);   (505172.0,
3635975.9,   115.8,   333.1,   0.0);
     (505222.0, 3635975.9,   115.6,   279.6,   0.0);   (501722.0,
3632475.9,   108.2,   237.2,   0.0);
     (501822.0, 3632475.9,   108.7,   237.2,   0.0);   (501922.0,
3632475.9,   108.9,   108.9,   0.0);
     (502022.0, 3632475.9,   109.4,   109.4,   0.0);   (502122.0,
3632475.9,   110.3,   110.3,   0.0);
     (502222.0, 3632475.9,   110.6,   110.6,   0.0);   (502322.0,
3632475.9,   110.3,   110.3,   0.0);
     (502422.0, 3632475.9,   110.6,   110.6,   0.0);   (502522.0,
3632475.9,   110.8,   110.8,   0.0);
     (502622.0, 3632475.9,   112.1,   169.3,   0.0);   (502722.0,
3632475.9,   113.3,   318.9,   0.0);
     (502822.0, 3632475.9,   113.9,   329.9,   0.0);   (502922.0,
3632475.9,   114.8,   360.8,   0.0);
     (503022.0, 3632475.9,   116.3,   363.3,   0.0);   (503122.0,
3632475.9,   118.6,   363.3,   0.0);
     (503222.0, 3632475.9,   118.2,   363.3,   0.0);   (503322.0,
3632475.9,   122.4,   363.3,   0.0);
     (503422.0, 3632475.9,   126.0,   363.3,   0.0);   (503722.0,
3632475.9,   135.9,   363.3,   0.0);
     (503822.0, 3632475.9,   148.0,   363.3,   0.0);   (503922.0,
3632475.9,   161.9,   363.3,   0.0);
     (504022.0, 3632475.9,   175.9,   363.3,   0.0);   (504122.0,
3632475.9,   181.9,   363.3,   0.0);
     (504222.0, 3632475.9,   198.4,   363.3,   0.0);   (504322.0,
3632475.9,   208.4,   363.3,   0.0);
     (504422.0, 3632475.9,   192.0,   363.3,   0.0);   (504522.0,
3632475.9,   178.6,   363.3,   0.0);
     (504622.0, 3632475.9,   208.7,   363.3,   0.0);   (504722.0,
3632475.9,   225.0,   363.3,   0.0);
     (504822.0, 3632475.9,   224.6,   363.3,   0.0);   (504922.0,
3632475.9,   234.4,   363.3,   0.0);
     (505022.0, 3632475.9,   257.8,   363.3,   0.0);   (505122.0,
3632475.9,   256.1,   363.3,   0.0);
     (505222.0, 3632475.9,   301.2,   363.3,   0.0);   (505322.0,
3632475.9,   347.3,   360.8,   0.0);
     (505422.0, 3632475.9,   324.4,   363.3,   0.0);   (505522.0,
3632475.9,   295.4,   363.3,   0.0);
     (505622.0, 3632475.9,   263.4,   363.3,   0.0);   (505722.0,
3632475.9,   239.0,   363.3,   0.0);
     (501722.0, 3632575.9,   107.8,   237.2,   0.0);   (501822.0,
3632575.9,   108.2,   108.2,   0.0);
     (501922.0, 3632575.9,   108.6,   108.6,   0.0);   (502022.0,
3632575.9,   109.2,   109.2,   0.0);
     (502122.0, 3632575.9,   109.7,   109.7,   0.0);   (502222.0,

3632575.9,   109.3,   109.3,   0.0);
     (502322.0, 3632575.9,   109.7,   109.7,   0.0);   (502422.0,
3632575.9,   110.2,   110.2,   0.0);
     (502522.0, 3632575.9,   110.7,   169.3,   0.0);   (502622.0,
3632575.9,   111.2,   318.9,   0.0);
     (502722.0, 3632575.9,   112.8,   318.9,   0.0);   (502822.0,
3632575.9,   113.2,   329.9,   0.0);
     (502922.0, 3632575.9,   114.2,   360.8,   0.0);   (503022.0,
3632575.9,   115.8,   363.3,   0.0);
     (503122.0, 3632575.9,   117.0,   363.3,   0.0);   (503222.0,
3632575.9,   118.6,   363.3,   0.0);
     (503322.0, 3632575.9,   122.0,   363.3,   0.0);   (503422.0,
3632575.9,   127.0,   363.3,   0.0);
     (503722.0, 3632575.9,   141.5,   363.3,   0.0);   (503822.0,
3632575.9,   154.8,   363.3,   0.0);
     (503922.0, 3632575.9,   195.0,   363.3,   0.0);   (504022.0,
3632575.9,   215.2,   363.3,   0.0);
     (504122.0, 3632575.9,   223.7,   363.3,   0.0);   (504222.0,
3632575.9,   234.1,   363.3,   0.0);
     (504322.0, 3632575.9,   252.9,   360.8,   0.0);   (504422.0,
3632575.9,   234.2,   363.3,   0.0);
     (504522.0, 3632575.9,   199.5,   363.3,   0.0);   (504622.0,
3632575.9,   208.3,   363.3,   0.0);
     (504722.0, 3632575.9,   243.4,   363.3,   0.0);   (504822.0,
3632575.9,   237.9,   363.3,   0.0);
     (504922.0, 3632575.9,   255.4,   363.3,   0.0);   (505022.0,
3632575.9,   296.2,   363.3,   0.0);
     (505122.0, 3632575.9,   287.0,   363.3,   0.0);   (505222.0,
3632575.9,   306.9,   363.3,   0.0);
     (505322.0, 3632575.9,   316.0,   363.3,   0.0);   (505422.0,
3632575.9,   283.3,   363.3,   0.0);
     (505522.0, 3632575.9,   268.2,   363.3,   0.0);   (505622.0,
3632575.9,   249.1,   363.3,   0.0);
     (505722.0, 3632575.9,   239.4,   363.3,   0.0);   (501722.0,
3632675.9,   107.4,   107.4,   0.0);
     (501822.0, 3632675.9,   107.6,   107.6,   0.0);   (501922.0,
3632675.9,   108.1,   108.1,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (502022.0, 3632675.9,   109.2,   109.2,   0.0);   (502122.0,

```
3632675.9,     109.2,     109.2,       0.0);
     ( 502222.0, 3632675.9,     108.7,     108.7,       0.0);         ( 502322.0,
3632675.9,     109.3,     109.3,       0.0);
     ( 502422.0, 3632675.9,     109.6,     115.6,       0.0);         ( 502522.0,
3632675.9,     110.0,     169.3,       0.0);
     ( 502622.0, 3632675.9,     111.0,     318.9,       0.0);         ( 502722.0,
3632675.9,     111.9,     318.9,       0.0);
     ( 502822.0, 3632675.9,     114.6,     329.9,       0.0);         ( 502922.0,
3632675.9,     117.0,     337.5,       0.0);
     ( 503022.0, 3632675.9,     118.7,     363.3,       0.0);         ( 503722.0,
3632675.9,     143.0,     363.3,       0.0);
     ( 503822.0, 3632675.9,     153.1,     363.3,       0.0);         ( 503922.0,
3632675.9,     170.4,     363.3,       0.0);
     ( 504022.0, 3632675.9,     199.7,     363.3,       0.0);         ( 504122.0,
3632675.9,     225.6,     363.3,       0.0);
     ( 504222.0, 3632675.9,     250.2,     337.2,       0.0);         ( 504322.0,
3632675.9,     264.6,     329.9,       0.0);
     ( 504422.0, 3632675.9,     248.6,     363.3,       0.0);         ( 504522.0,
3632675.9,     232.3,     363.3,       0.0);
     ( 504622.0, 3632675.9,     236.4,     363.3,       0.0);         ( 504722.0,
3632675.9,     246.1,     363.3,       0.0);
     ( 504822.0, 3632675.9,     248.2,     363.3,       0.0);         ( 504922.0,
3632675.9,     271.6,     363.3,       0.0);
     ( 505022.0, 3632675.9,     311.7,     360.8,       0.0);         ( 505122.0,
3632675.9,     321.0,     360.8,       0.0);
     ( 505222.0, 3632675.9,     321.0,     363.3,       0.0);         ( 505322.0,
3632675.9,     319.6,     363.3,       0.0);
     ( 505422.0, 3632675.9,     273.4,     363.3,       0.0);         ( 505522.0,
3632675.9,     249.0,     363.3,       0.0);
     ( 505622.0, 3632675.9,     242.1,     363.3,       0.0);         ( 505722.0,
3632675.9,     254.2,     363.3,       0.0);
     ( 502422.0, 3632775.9,     113.4,     116.0,       0.0);         ( 502522.0,
3632775.9,     115.1,     169.3,       0.0);
     ( 502622.0, 3632775.9,     114.5,     318.9,       0.0);         ( 502722.0,
3632775.9,     111.5,     328.1,       0.0);
     ( 502822.0, 3632775.9,     116.0,     329.9,       0.0);         ( 502922.0,
3632775.9,     125.7,     329.9,       0.0);
     ( 503022.0, 3632775.9,     135.0,     329.9,       0.0);         ( 503122.0,
3632775.9,     128.8,     362.2,       0.0);
     ( 503222.0, 3632775.9,     125.0,     363.3,       0.0);         ( 503622.0,
3632775.9,     135.5,     363.3,       0.0);
     ( 503722.0, 3632775.9,     142.0,     363.3,       0.0);         ( 503822.0,
3632775.9,     159.5,     363.3,       0.0);
     ( 503922.0, 3632775.9,     166.0,     363.3,       0.0);         ( 504022.0,
3632775.9,     174.6,     363.3,       0.0);
     ( 504122.0, 3632775.9,     198.0,     363.3,       0.0);         ( 504222.0,
3632775.9,     229.9,     363.3,       0.0);
     ( 504322.0, 3632775.9,     259.5,     337.2,       0.0);         ( 504422.0,
3632775.9,     254.8,     362.2,       0.0);
     ( 504522.0, 3632775.9,     247.4,     363.3,       0.0);         ( 504622.0,
```

3632775.9,   251.2,   363.3,   0.0);
     (504722.0, 3632775.9,   254.4,   363.3,   0.0);   (504822.0,
3632775.9,   270.3,   363.3,   0.0);
     (504922.0, 3632775.9,   289.8,   363.3,   0.0);   (505022.0,
3632775.9,   329.5,   337.2,   0.0);
     (505122.0, 3632775.9,   337.3,   337.3,   0.0);   (505222.0,
3632775.9,   336.9,   338.6,   0.0);
     (505322.0, 3632775.9,   295.0,   363.3,   0.0);   (505422.0,
3632775.9,   261.8,   363.3,   0.0);
     (505522.0, 3632775.9,   242.3,   363.3,   0.0);   (505622.0,
3632775.9,   233.5,   363.3,   0.0);
     (505722.0, 3632775.9,   239.5,   363.3,   0.0);   (501722.0,
3632875.9,   108.3,   108.3,   0.0);
     (501822.0, 3632875.9,   108.3,   108.3,   0.0);   (501922.0,
3632875.9,   108.3,   108.3,   0.0);
     (502022.0, 3632875.9,   108.0,   108.0,   0.0);   (502122.0,
3632875.9,   108.3,   108.3,   0.0);
     (502222.0, 3632875.9,   107.4,   107.4,   0.0);   (502322.0,
3632875.9,   107.8,   107.8,   0.0);
     (502422.0, 3632875.9,   108.8,   169.3,   0.0);   (502522.0,
3632875.9,   109.3,   169.3,   0.0);
     (502622.0, 3632875.9,   109.4,   318.9,   0.0);   (502722.0,
3632875.9,   111.2,   329.3,   0.0);
     (502822.0, 3632875.9,   115.8,   329.9,   0.0);   (502922.0,
3632875.9,   131.1,   329.3,   0.0);
     (503022.0, 3632875.9,   169.1,   169.1,   0.0);   (503122.0,
3632875.9,   145.2,   329.9,   0.0);
     (503222.0, 3632875.9,   122.1,   363.3,   0.0);   (503322.0,
3632875.9,   122.1,   363.3,   0.0);
     (503422.0, 3632875.9,   124.9,   363.3,   0.0);   (503622.0,
3632875.9,   135.9,   363.3,   0.0);
     (503722.0, 3632875.9,   143.3,   363.3,   0.0);   (503822.0,
3632875.9,   163.0,   363.3,   0.0);
     (503922.0, 3632875.9,   190.4,   363.3,   0.0);   (504022.0,
3632875.9,   199.5,   363.3,   0.0);
     (504122.0, 3632875.9,   211.2,   363.3,   0.0);   (504222.0,
3632875.9,   242.1,   338.6,   0.0);
     (504322.0, 3632875.9,   257.1,   337.5,   0.0);   (504422.0,
3632875.9,   264.2,   338.4,   0.0);

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                           (METERS)

```
     ( 504522.0, 3632875.9,     261.2,     360.8,       0.0);         ( 504622.0,
3632875.9,     264.0,     363.3,       0.0);
     ( 504722.0, 3632875.9,     266.8,     363.3,       0.0);         ( 504822.0,
3632875.9,     295.8,     338.6,       0.0);
     ( 504922.0, 3632875.9,     326.4,     329.9,       0.0);         ( 505022.0,
3632875.9,     332.5,     336.5,       0.0);
     ( 505122.0, 3632875.9,     336.4,     336.4,       0.0);         ( 505222.0,
3632875.9,     298.3,     363.3,       0.0);
     ( 505322.0, 3632875.9,     269.6,     363.3,       0.0);         ( 505422.0,
3632875.9,     243.2,     363.3,       0.0);
     ( 505522.0, 3632875.9,     238.8,     363.3,       0.0);         ( 505622.0,
3632875.9,     227.1,     363.3,       0.0);
     ( 505722.0, 3632875.9,     234.9,     363.3,       0.0);         ( 501722.0,
3632975.9,     107.6,     107.6,       0.0);
     ( 501822.0, 3632975.9,     107.9,     107.9,       0.0);         ( 501922.0,
3632975.9,     108.1,     108.1,       0.0);
     ( 502022.0, 3632975.9,     108.5,     108.5,       0.0);         ( 502122.0,
3632975.9,     108.3,     108.3,       0.0);
     ( 505322.0, 3632975.9,     243.3,     363.3,       0.0);         ( 505422.0,
3632975.9,     234.7,     363.3,       0.0);
     ( 505522.0, 3632975.9,     222.9,     363.3,       0.0);         ( 505622.0,
3632975.9,     221.1,     363.3,       0.0);
     ( 505722.0, 3632975.9,     229.9,     363.3,       0.0);         ( 501722.0,
3633075.9,     106.5,     106.5,       0.0);
     ( 501822.0, 3633075.9,     106.4,     106.4,       0.0);         ( 501922.0,
3633075.9,     107.2,     107.2,       0.0);
     ( 502022.0, 3633075.9,     107.5,     107.5,       0.0);         ( 502122.0,
3633075.9,     108.2,     108.2,       0.0);
     ( 505322.0, 3633075.9,     238.2,     363.3,       0.0);         ( 505422.0,
3633075.9,     221.1,     363.3,       0.0);
     ( 505522.0, 3633075.9,     212.5,     363.3,       0.0);         ( 505622.0,
3633075.9,     213.6,     363.3,       0.0);
     ( 505722.0, 3633075.9,     227.8,     363.3,       0.0);         ( 501722.0,
3633175.9,     105.7,     105.7,       0.0);
     ( 501822.0, 3633175.9,     105.8,     105.8,       0.0);         ( 501922.0,
3633175.9,     105.9,     105.9,       0.0);
     ( 502022.0, 3633175.9,     106.7,     106.7,       0.0);         ( 502122.0,
3633175.9,     105.8,     105.8,       0.0);
     ( 505322.0, 3633175.9,     230.0,     363.3,       0.0);         ( 505422.0,
3633175.9,     221.7,     363.3,       0.0);
     ( 505522.0, 3633175.9,     210.3,     363.3,       0.0);         ( 505622.0,
3633175.9,     204.1,     363.3,       0.0);
     ( 505722.0, 3633175.9,     216.9,     363.3,       0.0);         ( 501722.0,
3633275.9,     105.2,     105.2,       0.0);
     ( 501822.0, 3633275.9,     106.0,     106.0,       0.0);         ( 501922.0,
3633275.9,     106.0,     106.0,       0.0);
     ( 502022.0, 3633275.9,     106.5,     106.5,       0.0);         ( 502122.0,
3633275.9,     105.7,     105.7,       0.0);
     ( 505322.0, 3633275.9,     220.4,     363.3,       0.0);         ( 505422.0,
```

3633275.9,   224.8,   363.3,   0.0);
     (505522.0, 3633275.9,   208.6,   363.3,   0.0);   (505622.0,
3633275.9,   196.6,   363.3,   0.0);
     (505722.0, 3633275.9,   203.8,   363.3,   0.0);   (501722.0,
3633375.9,   104.5,   104.5,   0.0);
     (501822.0, 3633375.9,   105.0,   105.0,   0.0);   (501922.0,
3633375.9,   105.1,   105.1,   0.0);
     (502022.0, 3633375.9,   105.4,   105.4,   0.0);   (502122.0,
3633375.9,   105.8,   105.8,   0.0);
     (505322.0, 3633375.9,   207.0,   363.3,   0.0);   (505422.0,
3633375.9,   221.2,   363.3,   0.0);
     (505522.0, 3633375.9,   212.8,   363.3,   0.0);   (505622.0,
3633375.9,   193.9,   363.3,   0.0);
     (505722.0, 3633375.9,   192.6,   363.3,   0.0);   (501722.0,
3633475.9,   104.5,   104.5,   0.0);
     (501822.0, 3633475.9,   105.0,   105.0,   0.0);   (501922.0,
3633475.9,   105.9,   105.9,   0.0);
     (502022.0, 3633475.9,   106.1,   106.1,   0.0);   (502122.0,
3633475.9,   105.2,   105.2,   0.0);
     (505322.0, 3633475.9,   200.9,   363.3,   0.0);   (505422.0,
3633475.9,   214.8,   363.3,   0.0);
     (505522.0, 3633475.9,   204.8,   363.3,   0.0);   (505622.0,
3633475.9,   194.9,   363.3,   0.0);
     (505722.0, 3633475.9,   186.9,   363.3,   0.0);   (501722.0,
3633575.9,   104.3,   104.3,   0.0);
     (501822.0, 3633575.9,   105.1,   105.1,   0.0);   (501922.0,
3633575.9,   105.5,   105.5,   0.0);
     (502022.0, 3633575.9,   105.4,   105.4,   0.0);   (502122.0,
3633575.9,   111.2,   114.2,   0.0);
     (505322.0, 3633575.9,   198.5,   363.3,   0.0);   (505422.0,
3633575.9,   214.2,   363.3,   0.0);
     (505522.0, 3633575.9,   202.8,   363.3,   0.0);   (505622.0,
3633575.9,   189.7,   363.3,   0.0);
     (505722.0, 3633575.9,   183.3,   363.3,   0.0);   (501722.0,
3633675.9,   104.6,   104.6,   0.0);
     (501822.0, 3633675.9,   104.5,   104.5,   0.0);   (501922.0,
3633675.9,   105.4,   105.4,   0.0);
     (502022.0, 3633675.9,   106.3,   112.0,   0.0);   (502122.0,
3633675.9,   111.2,   111.2,   0.0);
     (505322.0, 3633675.9,   202.2,   363.3,   0.0);   (505422.0,
3633675.9,   222.0,   363.3,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(505522.0, 3633675.9, 207.8, 363.3, 0.0); (505622.0, 3633675.9, 193.3, 363.3, 0.0);
(505722.0, 3633675.9, 180.2, 363.3, 0.0); (501722.0, 3633775.9, 104.9, 104.9, 0.0);
(501822.0, 3633775.9, 104.9, 104.9, 0.0); (501922.0, 3633775.9, 105.2, 105.2, 0.0);
(502022.0, 3633775.9, 105.6, 105.6, 0.0); (502122.0, 3633775.9, 105.6, 109.6, 0.0);
(505322.0, 3633775.9, 199.7, 363.3, 0.0); (505422.0, 3633775.9, 207.5, 363.3, 0.0);
(505522.0, 3633775.9, 208.0, 363.3, 0.0); (505622.0, 3633775.9, 192.9, 363.3, 0.0);
(505722.0, 3633775.9, 177.3, 363.3, 0.0); (501722.0, 3633875.9, 104.5, 104.5, 0.0);
(501822.0, 3633875.9, 105.7, 105.7, 0.0); (501922.0, 3633875.9, 103.6, 103.6, 0.0);
(502022.0, 3633875.9, 105.5, 105.5, 0.0); (502122.0, 3633875.9, 105.2, 105.2, 0.0);
(505322.0, 3633875.9, 198.2, 363.3, 0.0); (505422.0, 3633875.9, 195.1, 363.3, 0.0);
(505522.0, 3633875.9, 194.3, 363.3, 0.0); (505622.0, 3633875.9, 190.3, 363.3, 0.0);
(505722.0, 3633875.9, 173.9, 363.3, 0.0); (501722.0, 3633975.9, 104.1, 104.1, 0.0);
(501822.0, 3633975.9, 104.6, 104.6, 0.0); (501922.0, 3633975.9, 104.9, 104.9, 0.0);
(502022.0, 3633975.9, 104.6, 104.6, 0.0); (502122.0, 3633975.9, 105.4, 105.4, 0.0);
(505322.0, 3633975.9, 192.7, 363.3, 0.0); (505422.0, 3633975.9, 187.1, 363.3, 0.0);
(505522.0, 3633975.9, 184.0, 363.3, 0.0); (505622.0, 3633975.9, 179.9, 363.3, 0.0);
(505722.0, 3633975.9, 170.6, 363.3, 0.0); (501722.0, 3634075.9, 103.5, 103.5, 0.0);
(501822.0, 3634075.9, 104.1, 104.1, 0.0); (501922.0, 3634075.9, 104.4, 104.4, 0.0);
(502022.0, 3634075.9, 104.3, 104.3, 0.0); (502122.0, 3634075.9, 104.0, 104.0, 0.0);
(505322.0, 3634075.9, 187.0, 362.2, 0.0); (505422.0, 3634075.9, 180.6, 363.3, 0.0);
(505522.0, 3634075.9, 169.6, 363.3, 0.0); (505622.0, 3634075.9, 165.6, 363.3, 0.0);
(505722.0, 3634075.9, 169.5, 363.3, 0.0); (501722.0, 3634175.9, 101.4, 101.4, 0.0);
(501822.0, 3634175.9, 103.2, 103.2, 0.0); (501922.0, 3634175.9, 103.7, 103.7, 0.0);
(502022.0, 3634175.9, 101.5, 101.5, 0.0); (502122.0,

3634175.9,   102.4,   102.4,   0.0);
     (505322.0, 3634175.9,   166.9,   363.3,   0.0);   (505422.0,
3634175.9,   162.2,   363.3,   0.0);
     (505522.0, 3634175.9,   158.8,   363.3,   0.0);   (505622.0,
3634175.9,   167.5,   363.3,   0.0);
     (505722.0, 3634175.9,   176.6,   338.7,   0.0);   (501722.0,
3634275.9,   100.4,   100.4,   0.0);
     (501822.0, 3634275.9,   100.5,   100.5,   0.0);   (501922.0,
3634275.9,   100.5,   100.5,   0.0);
     (502022.0, 3634275.9,   100.1,   100.1,   0.0);   (502122.0,
3634275.9,   100.1,   100.1,   0.0);
     (505322.0, 3634275.9,   153.1,   363.3,   0.0);   (505422.0,
3634275.9,   151.1,   363.3,   0.0);
     (505522.0, 3634275.9,   166.6,   362.2,   0.0);   (505622.0,
3634275.9,   172.3,   338.7,   0.0);
     (505722.0, 3634275.9,   181.9,   337.8,   0.0);   (501722.0,
3634375.9,   101.8,   101.8,   0.0);
     (501822.0, 3634375.9,   102.9,   102.9,   0.0);   (501922.0,
3634375.9,   101.4,   101.4,   0.0);
     (502022.0, 3634375.9,   100.9,   104.1,   0.0);   (502122.0,
3634375.9,   102.0,   104.7,   0.0);
     (505322.0, 3634375.9,   149.2,   363.3,   0.0);   (505422.0,
3634375.9,   150.9,   363.3,   0.0);
     (505522.0, 3634375.9,   174.8,   338.7,   0.0);   (505622.0,
3634375.9,   187.9,   187.9,   0.0);
     (505722.0, 3634375.9,   192.2,   195.6,   0.0);   (501722.0,
3634475.9,   102.9,   102.9,   0.0);
     (501822.0, 3634475.9,   104.1,   104.1,   0.0);   (501922.0,
3634475.9,   104.5,   104.5,   0.0);
     (502022.0, 3634475.9,   105.7,   105.7,   0.0);   (502122.0,
3634475.9,   104.5,   104.5,   0.0);
     (505322.0, 3634475.9,   153.2,   338.7,   0.0);   (505422.0,
3634475.9,   139.7,   363.3,   0.0);
     (505522.0, 3634475.9,   154.5,   338.7,   0.0);   (505622.0,
3634475.9,   172.7,   334.9,   0.0);
     (505722.0, 3634475.9,   195.4,   199.4,   0.0);   (501722.0,
3634575.9,   103.2,   103.2,   0.0);
     (501822.0, 3634575.9,   103.4,   103.4,   0.0);   (501922.0,
3634575.9,   103.8,   103.8,   0.0);
     (502022.0, 3634575.9,   104.8,   104.8,   0.0);   (502122.0,
3634575.9,   105.8,   105.8,   0.0);
     (505322.0, 3634575.9,   160.2,   337.8,   0.0);   (505422.0,
3634575.9,   137.8,   362.2,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(505522.0, 3634575.9, 142.1, 338.7, 0.0); (505622.0, 3634575.9, 165.8, 199.9, 0.0);
(505722.0, 3634575.9, 190.4, 199.9, 0.0); (501722.0, 3634675.9, 104.5, 104.5, 0.0);
(501822.0, 3634675.9, 105.8, 105.8, 0.0); (501922.0, 3634675.9, 105.9, 105.9, 0.0);
(502022.0, 3634675.9, 107.0, 107.0, 0.0); (502122.0, 3634675.9, 104.1, 108.3, 0.0);
(505322.0, 3634675.9, 160.7, 334.2, 0.0); (505422.0, 3634675.9, 138.9, 338.7, 0.0);
(505522.0, 3634675.9, 130.2, 338.7, 0.0); (505622.0, 3634675.9, 143.2, 338.7, 0.0);
(505722.0, 3634675.9, 165.1, 199.9, 0.0); (501722.0, 3634775.9, 105.2, 199.7, 0.0);
(501822.0, 3634775.9, 107.1, 107.1, 0.0); (501922.0, 3634775.9, 106.2, 106.2, 0.0);
(502022.0, 3634775.9, 108.2, 108.2, 0.0); (502122.0, 3634775.9, 107.8, 107.8, 0.0);
(505322.0, 3634775.9, 158.6, 183.0, 0.0); (505422.0, 3634775.9, 127.3, 338.7, 0.0);
(505522.0, 3634775.9, 126.6, 338.7, 0.0); (505622.0, 3634775.9, 132.7, 338.7, 0.0);
(505722.0, 3634775.9, 142.3, 334.2, 0.0); (501722.0, 3634875.9, 105.7, 255.1, 0.0);
(501822.0, 3634875.9, 108.1, 203.1, 0.0); (501922.0, 3634875.9, 109.1, 111.2, 0.0);
(502022.0, 3634875.9, 110.4, 110.4, 0.0); (502122.0, 3634875.9, 109.5, 109.5, 0.0);
(505322.0, 3634875.9, 146.0, 185.3, 0.0); (505422.0, 3634875.9, 123.0, 338.7, 0.0);
(505522.0, 3634875.9, 123.3, 338.7, 0.0); (505622.0, 3634875.9, 124.1, 338.7, 0.0);
(505722.0, 3634875.9, 127.7, 336.4, 0.0); (501722.0, 3634975.9, 108.4, 255.4, 0.0);
(501822.0, 3634975.9, 109.8, 255.4, 0.0); (501922.0, 3634975.9, 112.2, 197.6, 0.0);
(502022.0, 3634975.9, 112.2, 112.2, 0.0); (502122.0, 3634975.9, 110.8, 110.8, 0.0);
(505322.0, 3634975.9, 135.6, 198.8, 0.0); (505422.0, 3634975.9, 120.7, 337.8, 0.0);
(505522.0, 3634975.9, 120.4, 337.0, 0.0); (505622.0, 3634975.9, 121.2, 336.4, 0.0);
(505722.0, 3634975.9, 121.8, 334.9, 0.0); (501722.0, 3635075.9, 113.9, 255.4, 0.0);
(501822.0, 3635075.9, 113.1, 255.4, 0.0); (501922.0,

```
3635075.9,     115.9,     255.1,       0.0);
     ( 502022.0, 3635075.9,     114.9,     114.9,       0.0);         ( 502122.0,
3635075.9,     111.9,     111.9,       0.0);
     ( 505322.0, 3635075.9,     128.1,     198.8,       0.0);         ( 505422.0,
3635075.9,     119.6,     334.2,       0.0);
     ( 505522.0, 3635075.9,     118.6,     334.2,       0.0);         ( 505622.0,
3635075.9,     121.1,     199.9,       0.0);
     ( 505722.0, 3635075.9,     118.9,     200.1,       0.0);         ( 501722.0,
3635175.9,     116.0,     255.4,       0.0);
     ( 501822.0, 3635175.9,     115.1,     255.4,       0.0);         ( 501922.0,
3635175.9,     117.4,     255.4,       0.0);
     ( 502022.0, 3635175.9,     116.1,     255.4,       0.0);         ( 502122.0,
3635175.9,     113.6,     255.1,       0.0);
     ( 505322.0, 3635175.9,     116.1,     199.9,       0.0);         ( 505422.0,
3635175.9,     116.8,     199.9,       0.0);
     ( 505522.0, 3635175.9,     116.8,     199.9,       0.0);         ( 505622.0,
3635175.9,     117.0,     199.9,       0.0);
     ( 505722.0, 3635175.9,     117.5,     199.9,       0.0);         ( 501722.0,
3635275.9,     120.7,     255.4,       0.0);
     ( 501822.0, 3635275.9,     118.6,     255.4,       0.0);         ( 501922.0,
3635275.9,     118.6,     255.4,       0.0);
     ( 502022.0, 3635275.9,     118.4,     255.4,       0.0);         ( 502122.0,
3635275.9,     115.0,     255.4,       0.0);
     ( 505622.0, 3635275.9,     115.0,     199.9,       0.0);         ( 505722.0,
3635275.9,     115.6,     199.9,       0.0);
     ( 501722.0, 3635375.9,     123.7,     255.4,       0.0);         ( 501822.0,
3635375.9,     121.0,     255.4,       0.0);
     ( 501922.0, 3635375.9,     120.1,     255.4,       0.0);         ( 502022.0,
3635375.9,     119.6,     255.4,       0.0);
     ( 502122.0, 3635375.9,     116.4,     255.4,       0.0);         ( 505622.0,
3635375.9,     113.9,     198.1,       0.0);
     ( 501722.0, 3635475.9,     127.5,     255.4,       0.0);         ( 501822.0,
3635475.9,     124.8,     255.4,       0.0);
     ( 501922.0, 3635475.9,     120.8,     298.9,       0.0);         ( 502022.0,
3635475.9,     118.1,     255.4,       0.0);
     ( 502122.0, 3635475.9,     118.3,     255.4,       0.0);         ( 505622.0,
3635475.9,     112.1,     279.6,       0.0);
     ( 505722.0, 3635475.9,     108.9,     279.6,       0.0);         ( 501722.0,
3635575.9,     129.6,     304.2,       0.0);
     ( 501822.0, 3635575.9,     126.4,     304.2,       0.0);         ( 501922.0,
3635575.9,     122.1,     304.2,       0.0);
     ( 502022.0, 3635575.9,     121.3,     304.2,       0.0);         ( 502122.0,
3635575.9,     121.8,     333.1,       0.0);
     ( 505322.0, 3635575.9,     115.7,     279.6,       0.0);         ( 505422.0,
3635575.9,     108.8,     279.6,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(505522.0, 3635575.9, 108.9, 279.6, 0.0); (505622.0, 3635575.9, 108.2, 279.6, 0.0);
(505722.0, 3635575.9, 108.7, 279.6, 0.0); (501722.0, 3635675.9, 133.6, 304.2, 0.0);
(501822.0, 3635675.9, 128.5, 304.2, 0.0); (501922.0, 3635675.9, 125.1, 304.2, 0.0);
(502022.0, 3635675.9, 124.4, 333.1, 0.0); (502122.0, 3635675.9, 125.0, 333.1, 0.0);
(505322.0, 3635675.9, 115.6, 279.6, 0.0); (505422.0, 3635675.9, 113.9, 279.6, 0.0);
(505522.0, 3635675.9, 108.9, 279.6, 0.0); (505622.0, 3635675.9, 109.7, 279.6, 0.0);
(505722.0, 3635675.9, 108.7, 279.6, 0.0); (501722.0, 3635775.9, 138.5, 304.2, 0.0);
(501822.0, 3635775.9, 132.1, 304.2, 0.0); (501922.0, 3635775.9, 127.9, 304.2, 0.0);
(502022.0, 3635775.9, 126.7, 333.1, 0.0); (502122.0, 3635775.9, 126.1, 333.1, 0.0);
(505322.0, 3635775.9, 116.4, 279.6, 0.0); (505422.0, 3635775.9, 116.7, 279.6, 0.0);
(505522.0, 3635775.9, 116.3, 279.6, 0.0); (505622.0, 3635775.9, 115.0, 279.6, 0.0);
(505722.0, 3635775.9, 115.8, 279.6, 0.0); (501722.0, 3635875.9, 144.7, 304.2, 0.0);
(501822.0, 3635875.9, 137.1, 304.2, 0.0); (501922.0, 3635875.9, 131.3, 333.1, 0.0);
(502022.0, 3635875.9, 130.7, 333.1, 0.0); (502122.0, 3635875.9, 129.3, 333.1, 0.0);
(505322.0, 3635875.9, 118.5, 279.6, 0.0); (505422.0, 3635875.9, 116.3, 279.6, 0.0);
(505522.0, 3635875.9, 116.7, 279.6, 0.0); (505622.0, 3635875.9, 116.4, 279.6, 0.0);
(505722.0, 3635875.9, 116.6, 279.6, 0.0); (501722.0, 3635975.9, 148.0, 304.2, 0.0);
(501822.0, 3635975.9, 139.5, 304.2, 0.0); (501922.0, 3635975.9, 134.8, 333.1, 0.0);
(502022.0, 3635975.9, 134.8, 333.1, 0.0); (502122.0, 3635975.9, 133.4, 333.1, 0.0);
(505322.0, 3635975.9, 116.6, 279.6, 0.0); (505422.0, 3635975.9, 116.3, 279.6, 0.0);
(505522.0, 3635975.9, 116.3, 279.6, 0.0); (505622.0, 3635975.9, 117.2, 279.6, 0.0);
(505722.0, 3635975.9, 116.2, 279.6, 0.0); (501722.0,

```
3636075.9,     147.7,     304.2,       0.0);
     ( 501822.0, 3636075.9,     143.5,     304.2,       0.0);         ( 501922.0,
3636075.9,     139.4,     333.1,       0.0);
     ( 502022.0, 3636075.9,     138.9,     333.1,       0.0);         ( 502122.0,
3636075.9,     137.0,     333.1,       0.0);
     ( 502222.0, 3636075.9,     133.5,     352.4,       0.0);         ( 502322.0,
3636075.9,     127.7,     363.2,       0.0);
     ( 502422.0, 3636075.9,     124.6,     363.2,       0.0);         ( 502522.0,
3636075.9,     125.3,     363.2,       0.0);
     ( 502622.0, 3636075.9,     126.6,     363.2,       0.0);         ( 502722.0,
3636075.9,     126.9,     363.2,       0.0);
     ( 502822.0, 3636075.9,     128.1,     363.2,       0.0);         ( 502922.0,
3636075.9,     131.9,     363.2,       0.0);
     ( 503022.0, 3636075.9,     134.8,     363.2,       0.0);         ( 503122.0,
3636075.9,     140.5,     363.2,       0.0);
     ( 503222.0, 3636075.9,     137.4,     363.2,       0.0);         ( 503322.0,
3636075.9,     133.6,     363.2,       0.0);
     ( 503422.0, 3636075.9,     132.6,     363.2,       0.0);         ( 503522.0,
3636075.9,     130.5,     363.2,       0.0);
     ( 503622.0, 3636075.9,     129.3,     363.2,       0.0);         ( 503722.0,
3636075.9,     128.9,     363.2,       0.0);
     ( 503822.0, 3636075.9,     127.7,     363.2,       0.0);         ( 503922.0,
3636075.9,     128.9,     363.2,       0.0);
     ( 504022.0, 3636075.9,     127.8,     363.2,       0.0);         ( 504122.0,
3636075.9,     129.3,     333.1,       0.0);
     ( 504222.0, 3636075.9,     130.6,     333.1,       0.0);         ( 504322.0,
3636075.9,     129.8,     333.1,       0.0);
     ( 504422.0, 3636075.9,     132.9,     333.1,       0.0);         ( 504522.0,
3636075.9,     135.2,     333.1,       0.0);
     ( 504622.0, 3636075.9,     132.7,     333.1,       0.0);         ( 504722.0,
3636075.9,     124.0,     333.1,       0.0);
     ( 504822.0, 3636075.9,     119.3,     333.1,       0.0);         ( 504922.0,
3636075.9,     116.6,     333.1,       0.0);
     ( 505022.0, 3636075.9,     116.4,     333.1,       0.0);         ( 505122.0,
3636075.9,     116.0,     333.1,       0.0);
     ( 505222.0, 3636075.9,     115.7,     333.1,       0.0);         ( 505322.0,
3636075.9,     116.2,     279.6,       0.0);
     ( 505422.0, 3636075.9,     115.3,     279.6,       0.0);         ( 505522.0,
3636075.9,     116.6,     279.6,       0.0);
     ( 505622.0, 3636075.9,     117.0,     279.6,       0.0);         ( 505722.0,
3636075.9,     116.9,     279.6,       0.0);
     ( 501722.0, 3636175.9,     153.0,     304.2,       0.0);         ( 501822.0,
3636175.9,     148.3,     304.2,       0.0);
     ( 501922.0, 3636175.9,     143.1,     333.1,       0.0);         ( 502022.0,
3636175.9,     141.8,     333.1,       0.0);
     ( 502122.0, 3636175.9,     139.6,     352.4,       0.0);         ( 502222.0,
3636175.9,     135.1,     352.4,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(502322.0, 3636175.9, 128.9, 363.2, 0.0); (502422.0, 3636175.9, 125.8, 363.2, 0.0);
(502522.0, 3636175.9, 126.8, 363.2, 0.0); (502622.0, 3636175.9, 127.8, 363.2, 0.0);
(502722.0, 3636175.9, 130.2, 363.2, 0.0); (502822.0, 3636175.9, 131.6, 363.2, 0.0);
(502922.0, 3636175.9, 133.8, 363.2, 0.0); (503022.0, 3636175.9, 137.7, 363.2, 0.0);
(503122.0, 3636175.9, 147.8, 363.2, 0.0); (503222.0, 3636175.9, 140.8, 363.2, 0.0);
(503322.0, 3636175.9, 135.6, 363.2, 0.0); (503422.0, 3636175.9, 134.4, 363.2, 0.0);
(503522.0, 3636175.9, 133.9, 363.2, 0.0); (503622.0, 3636175.9, 132.2, 363.2, 0.0);
(503722.0, 3636175.9, 132.2, 363.2, 0.0); (503822.0, 3636175.9, 132.7, 363.2, 0.0);
(503922.0, 3636175.9, 133.9, 363.2, 0.0); (504022.0, 3636175.9, 135.1, 363.2, 0.0);
(504122.0, 3636175.9, 137.3, 333.1, 0.0); (504222.0, 3636175.9, 137.6, 333.1, 0.0);
(504322.0, 3636175.9, 144.1, 333.1, 0.0); (504422.0, 3636175.9, 152.3, 333.1, 0.0);
(504522.0, 3636175.9, 167.2, 333.1, 0.0); (504622.0, 3636175.9, 153.8, 333.1, 0.0);
(504722.0, 3636175.9, 132.7, 333.1, 0.0); (504822.0, 3636175.9, 130.3, 333.1, 0.0);
(504922.0, 3636175.9, 124.5, 333.1, 0.0); (505022.0, 3636175.9, 119.5, 333.1, 0.0);
(505122.0, 3636175.9, 116.4, 333.1, 0.0); (505222.0, 3636175.9, 116.3, 333.1, 0.0);
(505322.0, 3636175.9, 116.8, 279.6, 0.0); (505422.0, 3636175.9, 117.1, 279.6, 0.0);
(505522.0, 3636175.9, 116.5, 279.6, 0.0); (505622.0, 3636175.9, 117.0, 279.6, 0.0);
(505722.0, 3636175.9, 117.4, 279.6, 0.0); (501722.0, 3636275.9, 154.7, 304.2, 0.0);
(501822.0, 3636275.9, 150.9, 304.2, 0.0); (501922.0, 3636275.9, 146.2, 333.1, 0.0);
(502022.0, 3636275.9, 142.4, 352.4, 0.0); (502122.0, 3636275.9, 137.6, 363.2, 0.0);
(502222.0, 3636275.9, 132.8, 363.2, 0.0); (502322.0,

3636275.9,   129.2,   368.8,   0.0);
     (502422.0, 3636275.9,   127.7,   368.8,   0.0);   (502522.0,
3636275.9,   128.1,   368.8,   0.0);
     (502622.0, 3636275.9,   131.5,   368.8,   0.0);   (502722.0,
3636275.9,   133.1,   368.8,   0.0);
     (502822.0, 3636275.9,   134.8,   368.8,   0.0);   (502922.0,
3636275.9,   137.1,   368.8,   0.0);
     (503022.0, 3636275.9,   138.2,   363.2,   0.0);   (503122.0,
3636275.9,   143.1,   363.2,   0.0);
     (503222.0, 3636275.9,   146.3,   363.2,   0.0);   (503322.0,
3636275.9,   143.8,   363.2,   0.0);
     (503422.0, 3636275.9,   140.3,   363.2,   0.0);   (503522.0,
3636275.9,   138.4,   363.2,   0.0);
     (503622.0, 3636275.9,   137.1,   363.2,   0.0);   (503722.0,
3636275.9,   136.4,   363.2,   0.0);
     (503822.0, 3636275.9,   136.6,   363.2,   0.0);   (503922.0,
3636275.9,   138.1,   363.2,   0.0);
     (504022.0, 3636275.9,   141.4,   363.2,   0.0);   (504122.0,
3636275.9,   146.3,   333.1,   0.0);
     (504222.0, 3636275.9,   157.5,   333.1,   0.0);   (504322.0,
3636275.9,   191.5,   333.1,   0.0);
     (504422.0, 3636275.9,   203.4,   279.6,   0.0);   (504522.0,
3636275.9,   215.0,   279.6,   0.0);
     (504622.0, 3636275.9,   181.8,   279.6,   0.0);   (504722.0,
3636275.9,   156.8,   333.1,   0.0);
     (504822.0, 3636275.9,   163.3,   333.1,   0.0);   (504922.0,
3636275.9,   138.7,   333.1,   0.0);
     (505022.0, 3636275.9,   120.5,   333.1,   0.0);   (505122.0,
3636275.9,   117.0,   333.1,   0.0);
     (505222.0, 3636275.9,   116.8,   333.1,   0.0);   (505322.0,
3636275.9,   117.5,   333.1,   0.0);
     (505422.0, 3636275.9,   117.9,   279.6,   0.0);   (505522.0,
3636275.9,   117.0,   279.6,   0.0);
     (505622.0, 3636275.9,   117.4,   279.6,   0.0);   (505722.0,
3636275.9,   118.2,   279.6,   0.0);
     (501722.0, 3636375.9,   157.2,   304.2,   0.0);   (501822.0,
3636375.9,   152.6,   333.1,   0.0);
     (501922.0, 3636375.9,   146.4,   352.4,   0.0);   (502022.0,
3636375.9,   142.9,   363.2,   0.0);
     (502122.0, 3636375.9,   138.0,   368.8,   0.0);   (502222.0,
3636375.9,   134.8,   368.8,   0.0);
     (502322.0, 3636375.9,   133.4,   368.8,   0.0);   (502422.0,
3636375.9,   130.9,   368.8,   0.0);
     (502522.0, 3636375.9,   131.2,   368.8,   0.0);   (502622.0,
3636375.9,   131.8,   368.8,   0.0);
     (502722.0, 3636375.9,   135.7,   368.8,   0.0);   (502822.0,
3636375.9,   139.1,   368.8,   0.0);
     (502922.0, 3636375.9,   142.1,   368.8,   0.0);   (503022.0,
3636375.9,   144.5,   368.8,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(503122.0, 3636375.9, 149.0, 363.2, 0.0); (503222.0, 3636375.9, 154.0, 363.2, 0.0);
(503322.0, 3636375.9, 152.6, 363.2, 0.0); (503422.0, 3636375.9, 145.3, 363.2, 0.0);
(503522.0, 3636375.9, 143.8, 363.2, 0.0); (503622.0, 3636375.9, 143.0, 363.2, 0.0);
(503722.0, 3636375.9, 141.1, 363.2, 0.0); (503822.0, 3636375.9, 140.3, 363.2, 0.0);
(503922.0, 3636375.9, 145.6, 363.2, 0.0); (504022.0, 3636375.9, 149.4, 363.2, 0.0);
(504122.0, 3636375.9, 157.6, 333.1, 0.0); (504222.0, 3636375.9, 176.7, 333.1, 0.0);
(504322.0, 3636375.9, 206.2, 333.1, 0.0); (504422.0, 3636375.9, 228.3, 279.6, 0.0);
(504522.0, 3636375.9, 231.9, 279.6, 0.0); (504622.0, 3636375.9, 202.9, 279.6, 0.0);
(504722.0, 3636375.9, 178.4, 333.1, 0.0); (504822.0, 3636375.9, 187.9, 279.6, 0.0);
(504922.0, 3636375.9, 179.4, 279.6, 0.0); (505022.0, 3636375.9, 141.3, 333.1, 0.0);
(505122.0, 3636375.9, 119.7, 333.1, 0.0); (505222.0, 3636375.9, 118.9, 333.1, 0.0);
(505322.0, 3636375.9, 118.6, 333.1, 0.0); (505422.0, 3636375.9, 118.0, 279.6, 0.0);
(505522.0, 3636375.9, 118.0, 279.6, 0.0); (505622.0, 3636375.9, 118.0, 279.6, 0.0);
(505722.0, 3636375.9, 118.6, 279.6, 0.0); (501722.0, 3636475.9, 163.4, 304.2, 0.0);
(501822.0, 3636475.9, 157.5, 333.1, 0.0); (501922.0, 3636475.9, 147.8, 352.4, 0.0);
(502022.0, 3636475.9, 145.3, 363.2, 0.0); (502122.0, 3636475.9, 142.2, 368.8, 0.0);
(502222.0, 3636475.9, 138.3, 368.8, 0.0); (502322.0, 3636475.9, 135.0, 368.8, 0.0);
(502422.0, 3636475.9, 132.7, 368.8, 0.0); (502522.0, 3636475.9, 133.6, 368.8, 0.0);
(502622.0, 3636475.9, 134.6, 368.8, 0.0); (502722.0, 3636475.9, 138.0, 368.8, 0.0);
(502822.0, 3636475.9, 144.2, 368.8, 0.0); (502922.0,

3636475.9,   147.0,   368.8,   0.0);
     (503022.0, 3636475.9,   151.1,   368.8,   0.0);   (503122.0,
3636475.9,   156.8,   363.2,   0.0);
     (503222.0, 3636475.9,   162.1,   363.2,   0.0);   (503322.0,
3636475.9,   158.5,   363.2,   0.0);
     (503422.0, 3636475.9,   153.5,   363.2,   0.0);   (503522.0,
3636475.9,   150.2,   363.2,   0.0);
     (503622.0, 3636475.9,   148.9,   363.2,   0.0);   (503722.0,
3636475.9,   146.1,   363.2,   0.0);
     (503822.0, 3636475.9,   148.5,   363.2,   0.0);   (503922.0,
3636475.9,   153.5,   363.2,   0.0);
     (504022.0, 3636475.9,   181.2,   333.1,   0.0);   (504122.0,
3636475.9,   177.1,   333.1,   0.0);
     (504222.0, 3636475.9,   179.1,   333.1,   0.0);   (504322.0,
3636475.9,   214.7,   333.1,   0.0);
     (504422.0, 3636475.9,   239.0,   279.6,   0.0);   (504522.0,
3636475.9,   247.8,   279.6,   0.0);
     (504622.0, 3636475.9,   238.9,   279.6,   0.0);   (504722.0,
3636475.9,   223.5,   279.6,   0.0);
     (504822.0, 3636475.9,   212.8,   279.6,   0.0);   (504922.0,
3636475.9,   184.7,   279.6,   0.0);
     (505022.0, 3636475.9,   147.6,   333.1,   0.0);   (505122.0,
3636475.9,   121.2,   333.1,   0.0);
     (505222.0, 3636475.9,   120.0,   333.1,   0.0);   (505322.0,
3636475.9,   119.4,   333.1,   0.0);
     (505422.0, 3636475.9,   118.3,   333.1,   0.0);   (505522.0,
3636475.9,   118.1,   279.6,   0.0);
     (505622.0, 3636475.9,   118.3,   279.6,   0.0);   (505722.0,
3636475.9,   118.5,   279.6,   0.0);

                                                *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                                  (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1

```
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.



                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                          (METERS/SEC)

                                                  1.54,   3.09,   5.14,   8.23,
10.80,
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                    PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                      *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file:   LES_2019-2021_v22112.SFC
                Met Version:  22112
   Profile file:   LES_2019-2021_v22112.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:    53143                  Upper air station no.:     3190
                Name: UNKNOWN                                      Name: UNKNOWN

                Year:   2019                                       Year:   2019

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
 19 01 01   1 01   -1.2  0.036 -9.000 -9.000 -999.   17.      3.4  0.03   1.10
1.00    1.07  109.   10.0  279.8   10.0
 19 01 01   1 02   -0.4  0.018 -9.000 -9.000 -999.    6.      1.5  0.03   1.10
```

```
1.00    0.54  221.   10.0  278.4   10.0
 19 01 01   1 03   -0.4  0.020 -9.000 -9.000 -999.    7.      1.7  0.03   1.10
1.00    0.58  120.   10.0  277.3   10.0
 19 01 01   1 04   -0.9  0.029 -9.000 -9.000 -999.   12.      2.3  0.03   1.10
1.00    0.85   74.   10.0  276.5   10.0
 19 01 01   1 05   -0.6  0.024 -9.000 -9.000 -999.    9.      2.0  0.03   1.10
1.00    0.72  108.   10.0  276.0   10.0
 19 01 01   1 06   -1.1  0.032 -9.000 -9.000 -999.   14.      2.6  0.03   1.10
1.00    0.94   44.   10.0  275.4   10.0
 19 01 01   1 07   -0.7  0.024 -9.000 -9.000 -999.    9.      2.0  0.03   1.10
1.00    0.72  288.   10.0  275.5   10.0
 19 01 01   1 08   -0.5  0.024 -9.000 -9.000 -999.    9.      2.5  0.03   1.10
0.49    0.72  231.   10.0  276.0   10.0
 19 01 01   1 09   33.8 -9.000 -9.000 -9.000  154. -999. -99999.0  0.03   1.10
0.30    0.00    0.   10.0  279.9   10.0
 19 01 01   1 10   85.0  0.120  0.857  0.005  265.  100.     -1.8  0.03   1.10
0.23    1.16  332.   10.0  283.3   10.0
 19 01 01   1 11  119.9  0.189  1.381  0.005  785.  197.     -5.0  0.03   1.10
0.21    2.10  320.   10.0  285.3   10.0
 19 01 01   1 12  136.4  0.238  1.521  0.005  922.  278.     -8.8  0.03   1.10
0.20    2.82   18.   10.0  286.5   10.0
 19 01 01   1 13  133.6  0.307  1.572  0.005 1039.  409.    -19.4  0.03   1.10
0.20    3.93   12.   10.0  286.8   10.0
 19 01 01   1 14  112.1  0.313  1.524  0.005 1127.  419.    -24.3  0.03   1.10
0.21    4.07   26.   10.0  286.8   10.0
 19 01 01   1 15   72.7  0.324  1.339  0.005 1180.  443.    -41.9  0.03   1.10
0.24    4.38   62.   10.0  286.8   10.0
 19 01 01   1 16   18.5  0.316  0.851  0.005 1191.  426.   -152.4  0.03   1.10
0.33    4.51   44.   10.0  285.8   10.0
 19 01 01   1 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.03   1.10
0.61    4.02   71.   10.0  284.5   10.0
 19 01 01   1 18  -21.6  0.194 -9.000 -9.000 -999.  205.     30.1  0.03   1.10
1.00    3.67   76.   10.0  283.2   10.0
 19 01 01   1 19   -8.3  0.088 -9.000 -9.000 -999.   69.      7.2  0.03   1.10
1.00    2.59   53.   10.0  282.6   10.0
 19 01 01   1 20   -4.6  0.065 -9.000 -9.000 -999.   40.      5.3  0.03   1.10
1.00    1.92   93.   10.0  280.8   10.0
 19 01 01   1 21   -2.7  0.050 -9.000 -9.000 -999.   27.      4.1  0.03   1.10
1.00    1.48   85.   10.0  278.6   10.0
 19 01 01   1 22   -1.2  0.033 -9.000 -9.000 -999.   14.      2.7  0.03   1.10
1.00    0.98   82.   10.0  277.5   10.0
 19 01 01   1 23   -4.0  0.061 -9.000 -9.000 -999.   36.      4.9  0.03   1.10
1.00    1.79   85.   10.0  276.5   10.0
 19 01 01   1 24   -5.3  0.070 -9.000 -9.000 -999.   44.      5.7  0.03   1.10
1.00    2.06  100.   10.0  276.4   10.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 19 01 01 01   10.0 1  109.    1.07   279.9   38.0  -99.00    0.58
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER   ***
                                    INCLUDING SOURCE(S):   L0000928   , L0000929   , L0000930   , L0000931   , L0000932   ,
                  L0000933   , L0000934   , L0000935   , L0000936   , L0000937   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3633475.90 1.04569
503971.98 3633475.90 1.06742 504021.98
3633475.90 1.03231
504071.98 3633475.90 1.06421 504121.98
3633475.90 1.12191
504171.98 3633475.90 1.08847 504221.98
3633475.90 1.12073
504271.98 3633475.90 1.16384 504321.98
3633475.90 1.15978
504371.98 3633475.90 1.04784 504421.98
3633475.90 0.98222
504471.98 3633475.90 0.95339 504521.98
3633475.90 0.95160
504571.98 3633475.90 0.97421 504621.98
3633475.90 1.00101
504671.98 3633475.90 1.01262 504721.98
3633475.90 1.03949
502721.98 3633525.90 0.96713 502771.98
3633525.90 1.01417
502821.98 3633525.90 1.06437 502871.98
3633525.90 1.11819
502921.98 3633525.90 1.17513 502971.98
3633525.90 1.23555
503021.98 3633525.90 1.29976 503071.98
3633525.90 1.36798
503121.98 3633525.90 1.43991 503171.98
3633525.90 1.51644
503221.98 3633525.90 1.59719 503271.98
3633525.90 1.67911
503321.98 3633525.90 1.76592 503371.98
3633525.90 1.37122
503421.98 3633525.90 1.34849 503471.98
3633525.90 1.36871
503521.98 3633525.90 1.34558 503621.98
3633525.90 1.47090
503671.98 3633525.90 1.37403 503721.98
3633525.90 1.38593
503771.98 3633525.90 1.25205 503821.98
3633525.90 1.13012
503871.98 3633525.90 1.18284 503921.98
3633525.90 1.29629
503971.98 3633525.90 1.26810 504021.98
3633525.90 1.20597
504071.98 3633525.90 1.24927 504121.98
3633525.90 1.33194
504171.98 3633525.90 1.34849 504221.98
3633525.90 1.37261
504271.98 3633525.90 1.33141 504321.98
3633525.90 1.15092
504371.98 3633525.90 1.09217 504421.98

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929
, L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937
,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633575.90	0.99718	502771.98	3633575.90	1.04763
502821.98	3633575.90	1.10210	502871.98	3633575.90	1.16047
502921.98	3633575.90	1.22234	502971.98	3633575.90	1.28866
503021.98	3633575.90	1.35963	503071.98	3633575.90	1.43509
503121.98	3633575.90	1.51487	503171.98	3633575.90	1.60059
503221.98	3633575.90	1.69205	503271.98	3633575.90	1.78747
503321.98	3633575.90	1.88561	503371.98	3633575.90	1.72207
503421.98	3633575.90	1.72609	503471.98	3633575.90	1.70885
503521.98	3633575.90	1.83027	503621.98	3633575.90	1.62119

503671.98 3633575.90 1.66183 503721.98
3633575.90 1.72432
503771.98 3633575.90 1.57419 503821.98
3633575.90 1.46988
503871.98 3633575.90 1.57785 503921.98
3633575.90 1.61014
503971.98 3633575.90 1.53357 504021.98
3633575.90 1.53464
504071.98 3633575.90 1.51333 504121.98
3633575.90 1.58459
504171.98 3633575.90 1.61721 504221.98
3633575.90 1.65823
504271.98 3633575.90 1.43550 504321.98
3633575.90 1.24926
504371.98 3633575.90 1.19911 504421.98
3633575.90 1.16453
504471.98 3633575.90 1.17715 504521.98
3633575.90 1.22953
504571.98 3633575.90 1.28595 504621.98
3633575.90 1.27337
504671.98 3633575.90 1.26389 504721.98
3633575.90 1.25507
502721.98 3633625.90 1.02784 502771.98
3633625.90 1.08189
502821.98 3633625.90 1.13996 502871.98
3633625.90 1.20267
502921.98 3633625.90 1.27006 502971.98
3633625.90 1.34297
503021.98 3633625.90 1.42135 503071.98
3633625.90 1.50434
503121.98 3633625.90 1.59340 503171.98
3633625.90 1.68972
503221.98 3633625.90 1.79276 503271.98
3633625.90 1.90204
503321.98 3633625.90 2.01598 503371.98
3633625.90 2.13540
503421.98 3633625.90 1.96186 503471.98
3633625.90 1.96904
503521.98 3633625.90 2.05124 503621.98
3633625.90 1.92371
503671.98 3633625.90 1.84387 503721.98
3633625.90 1.97249
503771.98 3633625.90 1.77692 503821.98
3633625.90 1.77649
503871.98 3633625.90 1.86173 503921.98
3633625.90 1.83830
503971.98 3633625.90 1.85025 504021.98
3633625.90 1.80229
504071.98 3633625.90 1.77371 504121.98
3633625.90 1.88992

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                  INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                 L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502721.98   3633675.90   1.05837   502771.98
3633675.90   1.11601
         502821.98   3633675.90   1.17820   502871.98
3633675.90   1.24564
         502921.98   3633675.90   1.31940   502971.98
3633675.90   1.39867
         503021.98   3633675.90   1.48436   503071.98
3633675.90   1.57608
         503121.98   3633675.90   1.67563   503171.98
3633675.90   1.78334
         503221.98   3633675.90   1.89980   503271.98
3633675.90   2.02507
         503321.98   3633675.90   2.15742   503371.98

3633675.90 2.29895
503421.98 3633675.90 2.44746 503471.98
3633675.90 2.59951
503521.98 3633675.90 2.60341 503571.98
3633675.90 2.11281
503671.98 3633675.90 2.10632 503721.98
3633675.90 2.20158
503771.98 3633675.90 2.22629 503821.98
3633675.90 2.18715
503871.98 3633675.90 2.15313 503921.98
3633675.90 2.17976
503971.98 3633675.90 2.15808 504021.98
3633675.90 2.12792
504071.98 3633675.90 2.15951 504121.98
3633675.90 2.24465
504171.98 3633675.90 2.29518 504221.98
3633675.90 2.24638
504271.98 3633675.90 2.02225 504321.98
3633675.90 1.76675
504371.98 3633675.90 1.60801 504421.98
3633675.90 1.56527
504471.98 3633675.90 1.61516 504521.98
3633675.90 1.66617
504571.98 3633675.90 1.64593 504621.98
3633675.90 1.62849
504671.98 3633675.90 1.59833 504721.98
3633675.90 1.56334
502721.98 3633725.90 1.08866 502771.98
3633725.90 1.15028
502821.98 3633725.90 1.21666 502871.98
3633725.90 1.28951
502921.98 3633725.90 1.36975 502971.98
3633725.90 1.45563
503021.98 3633725.90 1.54784 503071.98
3633725.90 1.65011
503121.98 3633725.90 1.76076 503171.98
3633725.90 1.88125
503221.98 3633725.90 2.01276 503271.98
3633725.90 2.15496
503321.98 3633725.90 2.30915 503371.98
3633725.90 2.47480
503421.98 3633725.90 2.65191 503471.98
3633725.90 2.83423
503521.98 3633725.90 3.02684 503571.98
3633725.90 2.87488
503721.98 3633725.90 2.72481 503771.98
3633725.90 2.61856
503821.98 3633725.90 2.65065 503871.98
3633725.90 2.58053
503921.98 3633725.90 2.58171 503971.98

```
3633725.90        2.49882
         504021.98    3633725.90        2.49660                      504071.98
3633725.90        2.55125
         504121.98    3633725.90        2.72523                      504171.98
3633725.90        2.70755
         504221.98    3633725.90        2.59640                      504271.98
3633725.90        2.54795
         504321.98    3633725.90        2.15205                      504371.98
3633725.90        1.94795
         504421.98    3633725.90        1.89521                      504471.98
3633725.90        1.93015
         504521.98    3633725.90        1.92321                      504571.98
3633725.90        1.87982
         504621.98    3633725.90        1.90301                      504671.98
3633725.90        1.83428
         504721.98    3633725.90        1.74415                      502721.98
3633775.90        1.11824
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE  77
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502771.98    3633775.90        1.18382                      502821.98
3633775.90        1.25506
         502871.98    3633775.90        1.33287                      502921.98
3633775.90        1.41903
         502971.98    3633775.90        1.51283                      503021.98
3633775.90        1.61445
         503071.98    3633775.90        1.72593                      503121.98
3633775.90        1.84833
```

503171.98 3633775.90 1.98293 503221.98 3633775.90 2.13056
503271.98 3633775.90 2.29286 503321.98 3633775.90 2.46996
503371.98 3633775.90 2.66287 503421.98 3633775.90 2.87240
503471.98 3633775.90 3.09813 503771.98 3633775.90 3.12244
503821.98 3633775.90 3.14487 503871.98 3633775.90 3.16830
503921.98 3633775.90 3.01888 503971.98 3633775.90 2.93000
504021.98 3633775.90 2.97100 504071.98 3633775.90 3.36221
504121.98 3633775.90 3.35450 504171.98 3633775.90 3.32241
504221.98 3633775.90 3.16082 504271.98 3633775.90 2.97344
504321.98 3633775.90 2.61501 504371.98 3633775.90 2.42943
504421.98 3633775.90 2.36259 504471.98 3633775.90 2.25714
504521.98 3633775.90 2.32199 504571.98 3633775.90 2.38259
504621.98 3633775.90 2.26234 504671.98 3633775.90 2.11496
504721.98 3633775.90 1.97933 502721.98 3633825.90 1.14738
502771.98 3633825.90 1.21673 502821.98 3633825.90 1.29277
502871.98 3633825.90 1.37596 502921.98 3633825.90 1.46868
502971.98 3633825.90 1.56960 503021.98 3633825.90 1.68022
503071.98 3633825.90 1.80255 503121.98 3633825.90 1.93787
503171.98 3633825.90 2.08811 503221.98 3633825.90 2.25443
503271.98 3633825.90 2.43877 503771.98 3633825.90 3.99050
503821.98 3633825.90 4.09322 503871.98 3633825.90 3.88524
503921.98 3633825.90 3.59201 503971.98 3633825.90 3.57888
504021.98 3633825.90 4.09789 504071.98 3633825.90 4.08245
504121.98 3633825.90 4.09562 504171.98 3633825.90 4.11461
504221.98 3633825.90 3.89636 504271.98 3633825.90 3.73784

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3633825.90	3.56045	504371.98	3633825.90	3.31603
504421.98	3633825.90	3.04781	504471.98	3633825.90	2.90710
504521.98	3633825.90	2.85459	504571.98	3633825.90	2.84562
504621.98	3633825.90	2.60849	504671.98	3633825.90	2.39400
504721.98	3633825.90	2.25701	502721.98	3633875.90	1.17518
502771.98	3633875.90	1.24859	502821.98	3633875.90	1.32908
502871.98	3633875.90	1.41751	502921.98	3633875.90	1.51735
502971.98	3633875.90	1.62559	503021.98	3633875.90	1.74576
503071.98	3633875.90	1.87980	503121.98	3633875.90	2.02804
503171.98	3633875.90	2.19456	503221.98	3633875.90	2.38102
503271.98	3633875.90	2.58983	503821.98	3633875.90	4.97465
503871.98	3633875.90	4.64919	503921.98	3633875.90	4.58143
503971.98	3633875.90	5.24008	504021.98		

3633875.90 5.25149
504071.98 3633875.90 5.02822 504121.98
3633875.90 5.16238
504171.98 3633875.90 4.92386 504221.98
3633875.90 4.73611
504271.98 3633875.90 4.53741 504321.98
3633875.90 4.21064
504371.98 3633875.90 3.98275 504421.98
3633875.90 3.69190
504471.98 3633875.90 3.54113 504521.98
3633875.90 3.51995
504571.98 3633875.90 3.33690 504621.98
3633875.90 3.04529
504671.98 3633875.90 2.59607 504721.98
3633875.90 2.44360
502721.98 3633925.90 1.20160 502771.98
3633925.90 1.27850
502821.98 3633925.90 1.36355 502871.98
3633925.90 1.45821
502921.98 3633925.90 1.56378 502971.98
3633925.90 1.67924
503021.98 3633925.90 1.80902 503071.98
3633925.90 1.95473
503121.98 3633925.90 2.11764 503171.98
3633925.90 2.30099
503221.98 3633925.90 2.50784 503271.98
3633925.90 2.74315
503821.98 3633925.90 6.33971 503871.98
3633925.90 6.24845
503921.98 3633925.90 6.50024 503971.98
3633925.90 7.22871
504021.98 3633925.90 6.79718 504071.98
3633925.90 6.72586
504121.98 3633925.90 6.37620 504171.98
3633925.90 6.20349
504221.98 3633925.90 6.01805 504271.98
3633925.90 5.70278
504321.98 3633925.90 5.46673 504371.98
3633925.90 5.03726
504421.98 3633925.90 4.77479 504471.98
3633925.90 4.42181
504521.98 3633925.90 4.03004 504571.98
3633925.90 3.51474
504621.98 3633925.90 3.11943 504671.98
3633925.90 2.81199
504721.98 3633925.90 2.53799 502721.98
3633975.90 1.22665
502771.98 3633975.90 1.30678 502821.98
3633975.90 1.39552
502871.98 3633975.90 1.49619 502921.98

```
3633975.90        1.60772
         502971.98    3633975.90        1.73063                        503021.98
3633975.90        1.86976
         503071.98    3633975.90        2.02647                        503121.98
3633975.90        2.20388
         503171.98    3633975.90        2.40509                        503221.98
3633975.90        2.63465
         503271.98    3633975.90        2.89795                        503821.98
3633975.90        8.19747
         503871.98    3633975.90        8.55536                        503921.98
3633975.90       10.55737
         503971.98    3633975.90        9.66677                        504021.98
3633975.90        9.19204
         504071.98    3633975.90        8.67347                        504121.98
3633975.90        8.38705
         504171.98    3633975.90        7.97010                        504221.98
3633975.90        7.42674
         504271.98    3633975.90        7.03175                        504321.98
3633975.90        6.71419
         504371.98    3633975.90        6.05390                        504421.98
3633975.90        5.58680
         504471.98    3633975.90        4.77339                        504521.98
3633975.90        4.01236
         504571.98    3633975.90        3.57149                        504621.98
3633975.90        3.17313
         504671.98    3633975.90        2.79365                        504721.98
3633975.90        2.43420
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE  79
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
```

```
 - - -
```

```
         504171.98    3634075.90       13.28226                       504221.98
3634075.90       12.15278
         504271.98    3634075.90       10.92549                       504321.98
3634075.90        9.28930
         504371.98    3634075.90        7.34803                       504421.98
3634075.90        5.99443
         504471.98    3634075.90        4.90696                       504521.98
3634075.90        4.03231
         504571.98    3634075.90        3.38537                       504621.98
3634075.90        2.84433
         504671.98    3634075.90        2.52313                       504721.98
3634075.90        2.28058
         502721.98    3634125.90        1.29112                       502771.98
3634125.90        1.37852
         502821.98    3634125.90        1.47861                       502871.98
3634125.90        1.59215
         502921.98    3634125.90        1.71813                       502971.98
3634125.90        1.86145
         503021.98    3634125.90        2.02621                       503071.98
3634125.90        2.21365
         503121.98    3634125.90        2.43037                       503171.98
3634125.90        2.68261
         503221.98    3634125.90        2.97482                       503271.98
3634125.90        3.32444
         503921.98    3634125.90       27.98274                       503971.98
3634125.90       28.36739
         504021.98    3634125.90       26.26323                       504071.98
3634125.90       22.80889
         504121.98    3634125.90       20.07175                       504171.98
3634125.90       17.83685
         504221.98    3634125.90       15.46677                       504271.98
3634125.90       12.96901
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3634125.90	10.40214	504371.98	3634125.90	8.10436
504421.98	3634125.90	6.19417	504471.98	3634125.90	4.63793
504521.98	3634125.90	3.84413	504571.98	3634125.90	3.18936
504621.98	3634125.90	2.70539	504671.98	3634125.90	2.40742
504721.98	3634125.90	2.12409	502721.98	3634175.90	1.30401
502771.98	3634175.90	1.39570	502821.98	3634175.90	1.49926
502871.98	3634175.90	1.61599	502921.98	3634175.90	1.74596
502971.98	3634175.90	1.89441	503021.98	3634175.90	2.06587
503071.98	3634175.90	2.26102	503121.98	3634175.90	2.48771
503171.98	3634175.90	2.75166	503221.98	3634175.90	3.06038
503271.98	3634175.90	3.43278	503971.98	3634175.90	47.70036
504021.98	3634175.90	41.67066	504071.98	3634175.90	34.09293
504121.98	3634175.90	27.20624	504171.98	3634175.90	21.78992
504221.98	3634175.90	18.30557	504271.98	3634175.90	14.68398
504321.98	3634175.90	11.61169	504371.98	3634175.90	7.47045
504421.98	3634175.90	5.12064	504471.98	3634175.90	4.26625
504521.98	3634175.90	3.57418	504571.98	3634175.90	2.88121
504621.98	3634175.90	2.42783	504671.98	3634175.90	2.12107
504721.98	3634175.90	1.84265	502721.98	3634225.90	1.31570
502771.98	3634225.90	1.41047	502821.98	3634225.90	1.51675
502871.98	3634225.90	1.63563	502921.98	3634225.90	1.76842
502971.98	3634225.90	1.92081	503021.98		

3634225.90   2.09721
         503071.98   3634225.90   2.29897   503121.98
3634225.90   2.53368
         503171.98   3634225.90   2.80807   503221.98
3634225.90   3.13360
         503271.98   3634225.90   3.52628   504071.98
3634225.90   50.49096
         504121.98   3634225.90   35.31146   504171.98
3634225.90   25.54965
         504221.98   3634225.90   19.21689   504271.98
3634225.90   15.21006
         504321.98   3634225.90   11.69388   504371.98
3634225.90   6.89292
         504421.98   3634225.90   4.74398   504471.98
3634225.90   3.95953
         504521.98   3634225.90   3.30948   504571.98
3634225.90   2.70520
         504621.98   3634225.90   2.26974   504671.98
3634225.90   1.95620
         504721.98   3634225.90   1.71650   502721.98
3634275.90   1.32529
         502771.98   3634275.90   1.42033   502821.98
3634275.90   1.52839
         502871.98   3634275.90   1.65153   502921.98
3634275.90   1.78581
         502971.98   3634275.90   1.93968   503021.98
3634275.90   2.12046
         503071.98   3634275.90   2.32673   503121.98
3634275.90   2.56695
         503171.98   3634275.90   2.85046   503221.98
3634275.90   3.18716
         503271.98   3634275.90   3.59607   504121.98
3634275.90   40.79056
         504171.98   3634275.90   27.55591   504221.98
3634275.90   19.62375
         504271.98   3634275.90   14.78872   504321.98
3634275.90   10.98581

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                  INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                 L0000933   , L0000934   , L0000935   , L0000936   , L0000937

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504371.98	3634275.90	7.24568	504421.98	3634275.90	4.97488
504471.98	3634275.90	3.87457	504521.98	3634275.90	3.12869
504571.98	3634275.90	2.57503	504621.98	3634275.90	2.19940
504671.98	3634275.90	1.90871	504721.98	3634275.90	1.69809
502721.98	3634325.90	1.32427	502771.98	3634325.90	1.42123
502821.98	3634325.90	1.52881	502871.98	3634325.90	1.66170
502971.98	3634325.90	1.95209	503021.98	3634325.90	2.13401
503071.98	3634325.90	2.34390	503121.98	3634325.90	2.58738
503171.98	3634325.90	2.87524	503221.98	3634325.90	3.21855
503271.98	3634325.90	3.63507	504171.98	3634325.90	27.09588
504221.98	3634325.90	18.43954	504271.98	3634325.90	14.25056
504321.98	3634325.90	10.95016	504371.98	3634325.90	8.02072
504421.98	3634325.90	5.33127	504471.98	3634325.90	4.04636
504521.98	3634325.90	3.18054	504571.98	3634325.90	2.59811
504621.98	3634325.90	2.20784	504671.98	3634325.90	1.93028
504721.98	3634325.90	1.73124	502721.98	3634375.90	1.32324
502771.98	3634375.90	1.42098	502821.98	3634375.90	1.52788
503021.98	3634375.90	2.13381	503071.98	3634375.90	2.34767
503121.98	3634375.90	2.59172	503171.98	3634375.90	2.87829

```
         503221.98    3634375.90        3.22283                        503271.98
3634375.90        3.63917
         504221.98    3634375.90       18.06487                        504271.98
3634375.90       13.78446
         504321.98    3634375.90       10.95646                        504371.98
3634375.90        7.79055
         504421.98    3634375.90        4.94492                        504471.98
3634375.90        3.78313
         504521.98    3634375.90        3.11358                        504571.98
3634375.90        2.64256
         504621.98    3634375.90        2.29352                        504671.98
3634375.90        2.02185
         504721.98    3634375.90        1.80752                        502721.98
3634425.90        1.32501
         502771.98    3634425.90        1.42004                        502821.98
3634425.90        1.52635
         504271.98    3634425.90       13.08448                        504321.98
3634425.90       10.43656
         504371.98    3634425.90        8.01607                        504421.98
3634425.90        5.28108
         504471.98    3634425.90        3.90141                        504521.98
3634425.90        3.20112
         504571.98    3634425.90        2.78401                        504621.98
3634425.90        2.45650
         504671.98    3634425.90        2.15720                        504721.98
3634425.90        1.90128
         502721.98    3634475.90        1.32619                        502771.98
3634475.90        1.42299
         502821.98    3634475.90        1.52982                        504321.98
3634475.90        9.72892
         504371.98    3634475.90        8.02393                        504421.98
3634475.90        6.48277
         504471.98    3634475.90        4.57939                        504521.98
3634475.90        3.62651
         504571.98    3634475.90        3.12815                        504621.98
3634475.90        2.75650
         504671.98    3634475.90        2.32253                        504721.98
3634475.90        1.99196
         502721.98    3634525.90        1.31996                        502771.98
3634525.90        1.41274
         504371.98    3634525.90        7.46517                        504421.98
3634525.90        6.36624
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504471.98	3634525.90	5.46526	504521.98	3634525.90	4.62504
504571.98	3634525.90	3.93093	504621.98	3634525.90	3.26241
504671.98	3634525.90	2.54795	504721.98	3634525.90	2.10978
502721.98	3634575.90	1.30664	502771.98	3634575.90	1.39770
504421.98	3634575.90	5.92423	504471.98	3634575.90	5.15918
504521.98	3634575.90	4.53385	504571.98	3634575.90	4.01449
504621.98	3634575.90	3.47561	504671.98	3634575.90	2.86325
504721.98	3634575.90	2.35952	502721.98	3634625.90	1.28928
502771.98	3634625.90	1.37677	502821.98	3634625.90	1.47531
502871.98	3634625.90	1.58376	502921.98	3634625.90	1.70474
502971.98	3634625.90	1.84130	503021.98	3634625.90	1.99570
503071.98	3634625.90	2.17094	503121.98	3634625.90	2.37034
504471.98	3634625.90	4.80216	504521.98	3634625.90	4.25928
504571.98	3634625.90	3.80182	504621.98	3634625.90	3.40024
504671.98	3634625.90	3.08649	504721.98	3634625.90	2.68920
502721.98	3634675.90	1.26832	502771.98	3634675.90	1.35261
502821.98	3634675.90	1.44646	502871.98		

```
3634675.90        1.54984
         502921.98    3634675.90        1.66477                          502971.98
3634675.90        1.79408
         503021.98    3634675.90        1.93816                          503071.98
3634675.90        2.10096
         503121.98    3634675.90        2.28768                          503171.98
3634675.90        2.49909
         503221.98    3634675.90        2.74141                          503271.98
3634675.90        3.01600
         503321.98    3634675.90        3.33913                          503371.98
3634675.90        3.71711
         503421.98    3634675.90        4.15975                          503471.98
3634675.90        4.67815
         503521.98    3634675.90        5.27047                          504521.98
3634675.90        3.98089
         504571.98    3634675.90        3.58287                          504621.98
3634675.90        3.23287
         504671.98    3634675.90        2.93507                          504721.98
3634675.90        2.66585
         502721.98    3634725.90        1.24393                          502771.98
3634725.90        1.32427
         502821.98    3634725.90        1.41287                          502871.98
3634725.90        1.51143
         502921.98    3634725.90        1.61978                          502971.98
3634725.90        1.74054
         503021.98    3634725.90        1.87546                          503071.98
3634725.90        2.02628
         503121.98    3634725.90        2.19802                          503171.98
3634725.90        2.39165
         503221.98    3634725.90        2.61156                          503271.98
3634725.90        2.86017
         503321.98    3634725.90        3.14865                          503371.98
3634725.90        3.48063
         503421.98    3634725.90        3.86121                          503471.98
3634725.90        4.29146
         503521.98    3634725.90        4.78581                          503571.98
3634725.90        5.34649
         503621.98    3634725.90        5.93431                          504571.98
3634725.90        3.35775
         504621.98    3634725.90        3.05130                          504671.98
3634725.90        2.78605
         504721.98    3634725.90        2.55188                          502721.98
3634775.90        1.21688
         502771.98    3634775.90        1.29279                          502821.98
3634775.90        1.37684
         502871.98    3634775.90        1.46940                          502921.98
3634775.90        1.57118
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502971.98	3634775.90	1.68364	503021.98	3634775.90	1.80946
503071.98	3634775.90	1.94934	503121.98	3634775.90	2.10614
503171.98	3634775.90	2.28284	503221.98	3634775.90	2.48030
503271.98	3634775.90	2.70428	503321.98	3634775.90	2.95857
503371.98	3634775.90	3.24629	503421.98	3634775.90	3.57249
503471.98	3634775.90	3.93289	503521.98	3634775.90	4.33411
503571.98	3634775.90	4.77020	503621.98	3634775.90	5.23056
503671.98	3634775.90	5.69925	503721.98	3634775.90	6.16486
503771.98	3634775.90	6.60417	503821.98	3634775.90	6.94963
504621.98	3634775.90	2.87327	504671.98	3634775.90	2.63606
504721.98	3634775.90	2.42667	502721.98	3634825.90	1.18754
502771.98	3634825.90	1.25997	502821.98	3634825.90	1.33885
502871.98	3634825.90	1.42529	502921.98	3634825.90	1.52052
502971.98	3634825.90	1.62562	503021.98	3634825.90	1.74189

503071.98 3634825.90 1.87066 503121.98
3634825.90 2.01477
503171.98 3634825.90 2.17401 503221.98
3634825.90 2.35281
503271.98 3634825.90 2.55299 503321.98
3634825.90 2.77739
503371.98 3634825.90 3.02667 503421.98
3634825.90 3.29908
503471.98 3634825.90 3.59706 503521.98
3634825.90 3.91983
503571.98 3634825.90 4.26242 503621.98
3634825.90 4.61059
503671.98 3634825.90 4.95743 503721.98
3634825.90 5.29237
503771.98 3634825.90 5.60149 503821.98
3634825.90 5.86125
503871.98 3634825.90 6.05056 503921.98
3634825.90 6.15643
504671.98 3634825.90 2.49084 504721.98
3634825.90 2.30302
502721.98 3634875.90 1.15675 502771.98
3634875.90 1.22497
502821.98 3634875.90 1.29921 502871.98
3634875.90 1.37996
502921.98 3634875.90 1.46925 502971.98
3634875.90 1.56693
503021.98 3634875.90 1.67455 503071.98
3634875.90 1.79346
503121.98 3634875.90 1.92497 503171.98
3634875.90 2.06879
503221.98 3634875.90 2.23005 503271.98
3634875.90 2.40879
503321.98 3634875.90 2.60273 503371.98
3634875.90 2.81552
503421.98 3634875.90 3.04527 503471.98
3634875.90 3.28969
503521.98 3634875.90 3.54908 503571.98
3634875.90 3.81584
503621.98 3634875.90 4.08437 503671.98
3634875.90 4.34545
503721.98 3634875.90 4.59070 503771.98
3634875.90 4.81392
503821.98 3634875.90 4.99787 503871.98
3634875.90 5.13112
503921.98 3634875.90 5.14812 504721.98
3634875.90 2.18354
502721.98 3634925.90 1.12528 502771.98
3634925.90 1.18927
502821.98 3634925.90 1.25912 502871.98
3634925.90 1.33468

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                   INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                 L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3634975.90 1.45135
503021.98 3634975.90 1.54333 503071.98
3634975.90 1.64357
503121.98 3634975.90 1.75224 503171.98
3634975.90 1.86850
503221.98 3634975.90 1.99548 503271.98
3634975.90 2.13333
503321.98 3634975.90 2.27986 503371.98
3634975.90 2.43479
503421.98 3634975.90 2.59452 503471.98
3634975.90 2.76133
503521.98 3634975.90 2.92909 503571.98
3634975.90 3.09737
503621.98 3634975.90 3.26224 503671.98
3634975.90 3.41878
503721.98 3634975.90 3.49350 503771.98
3634975.90 3.68574
503821.98 3634975.90 3.79504 503871.98
3634975.90 3.87616
502721.98 3635025.90 1.06188 502771.98
3635025.90 1.11882
502821.98 3635025.90 1.18019 502871.98
3635025.90 1.24661
502921.98 3635025.90 1.31847 502971.98
3635025.90 1.39633
503021.98 3635025.90 1.48064 503071.98
3635025.90 1.57157
503121.98 3635025.90 1.66949 503171.98
3635025.90 1.77462
503221.98 3635025.90 1.88712 503271.98
3635025.90 2.00661
503321.98 3635025.90 2.13246 503371.98
3635025.90 2.26349
503421.98 3635025.90 2.39772 503471.98
3635025.90 2.53522
503521.98 3635025.90 2.67240 503571.98
3635025.90 2.80741
503621.98 3635025.90 2.93796 503671.98
3635025.90 3.05943
503721.98 3635025.90 3.15446 503771.98
3635025.90 3.29467
503821.98 3635025.90 3.40421 504371.98
3635025.90 2.75787
502721.98 3635075.90 1.03084 502771.98
3635075.90 1.08417
502821.98 3635075.90 1.14161 502871.98
3635075.90 1.20366
502921.98 3635075.90 1.27037 502971.98
3635075.90 1.34205
503021.98 3635075.90 1.41915 503071.98

```
3635075.90        1.50154
         503121.98    3635075.90        1.58959                      503171.98
3635075.90        1.68332
         503221.98    3635075.90        1.78232                      503271.98
3635075.90        1.88630
         503321.98    3635075.90        1.99443                      503371.98
3635075.90        2.10583
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503421.98    3635075.90        2.21923                      503471.98
3635075.90        2.33306
         503521.98    3635075.90        2.44564                      503571.98
3635075.90        2.55553
         503621.98    3635075.90        2.66101                      503671.98
3635075.90        2.75721
         503721.98    3635075.90        2.82696                      503771.98
3635075.90        2.95612
         503821.98    3635075.90        3.03328                      504371.98
3635075.90        2.51676
         504421.98    3635075.90        2.40497                      504471.98
3635075.90        2.29157
         504521.98    3635075.90        2.18154                      502721.98
3635125.90        1.00006
         502771.98    3635125.90        1.05008                      502821.98
3635125.90        1.10374
         502871.98    3635125.90        1.16145                      502921.98
3635125.90        1.22328
```

```
         502971.98    3635125.90        1.28913                    503021.98
3635125.90        1.35928
         503071.98    3635125.90        1.43365                    503121.98
3635125.90        1.51253
         503171.98    3635125.90        1.59571                    503221.98
3635125.90        1.68241
         503271.98    3635125.90        1.77302                    503321.98
3635125.90        1.86586
         503371.98    3635125.90        1.96059                    503421.98
3635125.90        2.05654
         503471.98    3635125.90        2.15125                    503521.98
3635125.90        2.24432
         503571.98    3635125.90        2.33219                    503621.98
3635125.90        2.41930
         503671.98    3635125.90        2.45965                    503721.98
3635125.90        2.59376
         503771.98    3635125.90        2.69020                    503821.98
3635125.90        2.74118
         504371.98    3635125.90        2.30622                    504421.98
3635125.90        2.21155
         504471.98    3635125.90        2.11852                    504521.98
3635125.90        2.02448
         504571.98    3635125.90        1.93148                    502721.98
3635175.90        0.96988
         502771.98    3635175.90        1.01661                    502821.98
3635175.90        1.06660
         502871.98    3635175.90        1.11988                    502921.98
3635175.90        1.17715
         502971.98    3635175.90        1.23739                    503021.98
3635175.90        1.30092
         503071.98    3635175.90        1.36806                    503121.98
3635175.90        1.43871
         503171.98    3635175.90        1.51248                    503221.98
3635175.90        1.58856
         503271.98    3635175.90        1.66731                    503321.98
3635175.90        1.74706
         503371.98    3635175.90        1.82796                    503421.98
3635175.90        1.90962
         503471.98    3635175.90        1.98769                    503521.98
3635175.90        2.06587
         503571.98    3635175.90        2.13818                    503621.98
3635175.90        2.20537
         503671.98    3635175.90        2.25477                    503721.98
3635175.90        2.37808
         503771.98    3635175.90        2.43134                    503821.98
3635175.90        2.38458
         504371.98    3635175.90        2.12019                    504421.98
3635175.90        2.04179
         504471.98    3635175.90        1.96309                    504521.98
3635175.90        1.88301
```

```
         504571.98    3635175.90        1.80214                      504621.98
3635175.90        1.72565
         502721.98    3635225.90        0.94026                      502771.98
3635225.90        0.98413
         502821.98    3635225.90        1.03064                      502871.98
3635225.90        1.07984
         502921.98    3635225.90        1.13190                      502971.98
3635225.90        1.18691
         503021.98    3635225.90        1.24470                      503071.98
3635225.90        1.30524
         503121.98    3635225.90        1.36836                      503171.98
3635225.90        1.43370
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503221.98    3635225.90        1.50088                      503271.98
3635225.90        1.56938
         503321.98    3635225.90        1.63858                      503371.98
3635225.90        1.70785
         503421.98    3635225.90        1.77657                      503471.98
3635225.90        1.84383
         503521.98    3635225.90        1.90772                      503571.98
3635225.90        1.96055
         503621.98    3635225.90        2.00577                      503671.98
3635225.90        2.10119
         504371.98    3635225.90        1.95603                      504421.98
3635225.90        1.89122
         504471.98    3635225.90        1.82397                      504521.98
```

3635225.90 1.75546
504571.98 3635225.90 1.68577 504621.98
3635225.90 1.61776
502721.98 3635275.90 0.91101 502771.98
3635275.90 0.95162
502821.98 3635275.90 0.99464 502871.98
3635275.90 1.04019
502921.98 3635275.90 1.08779 502971.98
3635275.90 1.13796
503021.98 3635275.90 1.18999 503071.98
3635275.90 1.24422
503121.98 3635275.90 1.30034 503171.98
3635275.90 1.35802
503221.98 3635275.90 1.41796 503271.98
3635275.90 1.47751
503321.98 3635275.90 1.53747 503371.98
3635275.90 1.59674
503421.98 3635275.90 1.65568 503471.98
3635275.90 1.71312
503521.98 3635275.90 1.76910 503571.98
3635275.90 1.81994
503621.98 3635275.90 1.84510 504371.98
3635275.90 1.80785
504421.98 3635275.90 1.75311 504471.98
3635275.90 1.69694
504521.98 3635275.90 1.63890 504571.98
3635275.90 1.57977
504621.98 3635275.90 1.52003 504671.98
3635275.90 1.46216
502721.98 3635325.90 0.88232 502771.98
3635325.90 0.92010
502821.98 3635325.90 0.95994 502871.98
3635325.90 1.00174
502921.98 3635325.90 1.04532 502971.98
3635325.90 1.09095
503021.98 3635325.90 1.13795 503071.98
3635325.90 1.18663
503121.98 3635325.90 1.23657 503171.98
3635325.90 1.28758
503221.98 3635325.90 1.34040 503271.98
3635325.90 1.39234
503321.98 3635325.90 1.44423 503371.98
3635325.90 1.49535
503421.98 3635325.90 1.54585 503471.98
3635325.90 1.59517
503521.98 3635325.90 1.64339 503571.98
3635325.90 1.68796
503621.98 3635325.90 1.70630 504371.98
3635325.90 1.67738
504421.98 3635325.90 1.63141 504471.98

3635325.90   1.58315
         504521.98   3635325.90   1.53358   504571.98
3635325.90   1.48276
         504621.98   3635325.90   1.43056   504671.98
3635325.90   1.37833
         504721.98   3635325.90   1.32881   502721.98
3635375.90   0.85404
         502771.98   3635375.90   0.86798   502821.98
3635375.90   0.90262
         502871.98   3635375.90   0.94070   502921.98
3635375.90   0.98404
         502971.98   3635375.90   1.04555   503021.98
3635375.90   1.07365
         503071.98   3635375.90   1.11298   503121.98
3635375.90   1.17602
         503171.98   3635375.90   1.22144   503221.98
3635375.90   1.26799

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                  INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

503671.98 3635375.90 1.63477 503721.98
3635375.90 1.71674
504371.98 3635375.90 1.56118 504421.98
3635375.90 1.52197
504471.98 3635375.90 1.48072 504521.98
3635375.90 1.43757
504571.98 3635375.90 1.39351 504621.98
3635375.90 1.34784
504671.98 3635375.90 1.30229 504721.98
3635375.90 1.25728
502721.98 3635425.90 0.81301 502771.98
3635425.90 0.83637
502821.98 3635425.90 0.86857 502871.98
3635425.90 0.90323
502921.98 3635425.90 0.94032 502971.98
3635425.90 0.98024
503021.98 3635425.90 1.01999 503071.98
3635425.90 1.06108
503121.98 3635425.90 1.11938 503171.98
3635425.90 1.15950
503221.98 3635425.90 1.19985 503271.98
3635425.90 1.23911
503321.98 3635425.90 1.27875 503371.98
3635425.90 1.31781
503421.98 3635425.90 1.35598 503471.98
3635425.90 1.39272
503521.98 3635425.90 1.42807 503571.98
3635425.90 1.46162
503621.98 3635425.90 1.49274 503671.98
3635425.90 1.51986
503721.98 3635425.90 1.56306 503771.98
3635425.90 1.60318
503821.98 3635425.90 1.64194 504371.98
3635425.90 1.45657
504421.98 3635425.90 1.42261 504471.98
3635425.90 1.38682
504521.98 3635425.90 1.34983 504571.98
3635425.90 1.31137
504621.98 3635425.90 1.27154 504671.98
3635425.90 1.23166
504721.98 3635425.90 1.19175 502721.98
3635475.90 0.78070
502771.98 3635475.90 0.80765 502821.98
3635475.90 0.83844
502871.98 3635475.90 0.87063 502921.98
3635475.90 0.90643
502971.98 3635475.90 0.93981 503021.98
3635475.90 0.97613
503071.98 3635475.90 1.01691 503121.98
3635475.90 1.06593

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503171.98	3635475.90	1.10149	503221.98	3635475.90	1.13672
503271.98	3635475.90	1.17158	503321.98	3635475.90	1.20626
503371.98	3635475.90	1.24053	503421.98	3635475.90	1.27390
503471.98	3635475.90	1.30603	503521.98	3635475.90	1.33686
503571.98	3635475.90	1.36178	503621.98	3635475.90	1.38946
503671.98	3635475.90	1.40702	503721.98	3635475.90	1.43233
503771.98	3635475.90	1.47533	503821.98	3635475.90	1.49119
503871.98	3635475.90	1.49773	503921.98	3635475.90	1.50811
504371.98	3635475.90	1.36347	504421.98	3635475.90	1.33400
504471.98	3635475.90	1.30242	504521.98	3635475.90	1.27014
504571.98	3635475.90	1.23598	504621.98	3635475.90	1.20121
504671.98	3635475.90	1.16606	504721.98	3635475.90	1.16405
502221.98	3632975.90	0.49525	502271.98		

3632975.90 0.51001
502321.98 3632975.90 0.52536 502371.98
3632975.90 0.54132
502421.98 3632975.90 0.55787 502471.98
3632975.90 0.57501
502521.98 3632975.90 0.59260 502571.98
3632975.90 0.61095
502621.98 3632975.90 0.62997 502671.98
3632975.90 0.64947
502721.98 3632975.90 0.66940 502771.98
3632975.90 0.68976
502821.98 3632975.90 0.61049 502871.98
3632975.90 0.52850
502921.98 3632975.90 0.54120 502971.98
3632975.90 0.38976
503021.98 3632975.90 0.39733 503071.98
3632975.90 0.47023
503121.98 3632975.90 0.55657 503171.98
3632975.90 0.63349
503221.98 3632975.90 0.67491 503271.98
3632975.90 0.68726
503321.98 3632975.90 0.68672 503371.98
3632975.90 0.69318
503421.98 3632975.90 0.66470 503471.98
3632975.90 0.65778
503621.98 3632975.90 0.62119 503671.98
3632975.90 0.60145
503721.98 3632975.90 0.57729 503771.98
3632975.90 0.54231
503821.98 3632975.90 0.46944 503871.98
3632975.90 0.41788
503921.98 3632975.90 0.40466 503971.98
3632975.90 0.40590
504021.98 3632975.90 0.40529 504071.98
3632975.90 0.41304
504121.98 3632975.90 0.41337 504171.98
3632975.90 0.42003
504221.98 3632975.90 0.42480 504271.98
3632975.90 0.42950
504321.98 3632975.90 0.43199 504371.98
3632975.90 0.42966
504421.98 3632975.90 0.42821 504471.98
3632975.90 0.42641
504521.98 3632975.90 0.42456 504571.98
3632975.90 0.42304
504621.98 3632975.90 0.42288 504671.98
3632975.90 0.42436
504721.98 3632975.90 0.42646 504771.98
3632975.90 0.42835
504821.98 3632975.90 0.43022 504871.98

3632975.90   0.43390
         504921.98   3632975.90   0.43787   504971.98
3632975.90   0.43990
         505021.98   3632975.90   0.43955   505071.98
3632975.90   0.43833
         505121.98   3632975.90   0.43798   505171.98
3632975.90   0.44038
         505221.98   3632975.90   0.44540   502221.98
3633025.90   0.50640
         502271.98   3633025.90   0.52258   502321.98
3633025.90   0.53866
         502371.98   3633025.90   0.55559   502421.98
3633025.90   0.57318
         502471.98   3633025.90   0.59125   502521.98
3633025.90   0.61013
         502571.98   3633025.90   0.62972   502621.98
3633025.90   0.65004
         502671.98   3633025.90   0.67087   502721.98
3633025.90   0.69232
         502771.98   3633025.90   0.71435   502821.98
3633025.90   0.62437
         502871.98   3633025.90   0.58942   502921.98
3633025.90   0.56020
         502971.98   3633025.90   0.40493   503021.98
3633025.90   0.43860
         503071.98   3633025.90   0.54071   503121.98
3633025.90   0.64201

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                 INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         502621.98    3633075.90        0.67073                        502671.98
3633075.90        0.69312
         502721.98    3633075.90        0.71616                        502771.98
3633075.90        0.74002
         502821.98    3633075.90        0.68487                        502871.98
3633075.90        0.65875
         502921.98    3633075.90        0.62851                        502971.98
3633075.90        0.56492
         503021.98    3633075.90        0.60648                        503071.98
3633075.90        0.63856
         503121.98    3633075.90        0.70092                        503171.98
3633075.90        0.74698
         503221.98    3633075.90        0.81161                        503271.98
3633075.90        0.79806
         503321.98    3633075.90        0.79149                        503371.98
3633075.90        0.77209
         503421.98    3633075.90        0.71905                        503471.98
3633075.90        0.73331
         503621.98    3633075.90        0.66688                        503671.98
3633075.90        0.64743
         503721.98    3633075.90        0.63285                        503771.98
3633075.90        0.54728
         503821.98    3633075.90        0.47514                        503871.98
3633075.90        0.44262
         503921.98    3633075.90        0.44314                        503971.98
3633075.90        0.45006
         504021.98    3633075.90        0.45253                        504071.98
3633075.90        0.45922
         504121.98    3633075.90        0.46700                        504171.98
3633075.90        0.47439
         504221.98    3633075.90        0.48096                        504271.98
3633075.90        0.48555
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3633075.90	0.48823	504371.98	3633075.90	0.48509
504421.98	3633075.90	0.48318	504471.98	3633075.90	0.47900
504521.98	3633075.90	0.47607	504571.98	3633075.90	0.47603
504621.98	3633075.90	0.47784	504671.98	3633075.90	0.48045
504721.98	3633075.90	0.48339	504771.98	3633075.90	0.48812
504821.98	3633075.90	0.49371	504871.98	3633075.90	0.49875
504921.98	3633075.90	0.50195	504971.98	3633075.90	0.49949
505021.98	3633075.90	0.49631	505071.98	3633075.90	0.49549
505121.98	3633075.90	0.49845	505171.98	3633075.90	0.50462
505221.98	3633075.90	0.51106	502221.98	3633125.90	0.53072
502271.98	3633125.90	0.54818	502321.98	3633125.90	0.56626
502371.98	3633125.90	0.58509	502421.98	3633125.90	0.60480
502471.98	3633125.90	0.62518	502521.98	3633125.90	0.64653
502571.98	3633125.90	0.66879	502621.98	3633125.90	0.69197
502671.98	3633125.90	0.71611	502721.98	3633125.90	0.74098
502771.98	3633125.90	0.76654	502821.98	3633125.90	0.79307
502871.98	3633125.90	0.72407	502921.98	3633125.90	0.71897
502971.98	3633125.90	0.68195	503021.98	3633125.90	0.67590
503071.98	3633125.90	0.71999	503121.98	3633125.90	0.76623
503171.98	3633125.90	0.82297	503221.98	3633125.90	0.86567
503271.98	3633125.90	0.86596	503321.98	3633125.90	0.87528
503371.98	3633125.90	0.82834	503421.98		

3633125.90   0.76093
         503471.98   3633125.90   0.77584   503621.98
3633125.90   0.68869
         503671.98   3633125.90   0.65609   503721.98
3633125.90   0.64176
         503771.98   3633125.90   0.54156   503821.98
3633125.90   0.48707
         503871.98   3633125.90   0.46711   503921.98
3633125.90   0.47111
         503971.98   3633125.90   0.47932   504021.98
3633125.90   0.48030
         504071.98   3633125.90   0.49073   504121.98
3633125.90   0.50122
         504171.98   3633125.90   0.50941   504221.98
3633125.90   0.51583
         504271.98   3633125.90   0.52064   504321.98
3633125.90   0.52150
         504371.98   3633125.90   0.51960   504421.98
3633125.90   0.51647
         504471.98   3633125.90   0.51091   504521.98
3633125.90   0.50838
         504571.98   3633125.90   0.50911   504621.98
3633125.90   0.51174
         504671.98   3633125.90   0.51496   504721.98
3633125.90   0.51917
         504771.98   3633125.90   0.52518   504821.98
3633125.90   0.53075
         504871.98   3633125.90   0.53523   504921.98
3633125.90   0.54019
         504971.98   3633125.90   0.53572   505021.98
3633125.90   0.53135
         505071.98   3633125.90   0.53122   505121.98
3633125.90   0.53518
         505171.98   3633125.90   0.53964   505221.98
3633125.90   0.54424
         502221.98   3633175.90   0.54282   502271.98
3633175.90   0.56102

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                  INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                 L0000933   , L0000934   , L0000935   , L0000936   , L0000937

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502321.98	3633175.90	0.58009	502371.98	3633175.90	0.60036
502421.98	3633175.90	0.62133	502471.98	3633175.90	0.64294
502521.98	3633175.90	0.66567	502571.98	3633175.90	0.68943
502621.98	3633175.90	0.71417	502671.98	3633175.90	0.73978
502721.98	3633175.90	0.76615	502771.98	3633175.90	0.79363
502821.98	3633175.90	0.73531	502871.98	3633175.90	0.85244
502921.98	3633175.90	0.78476	502971.98	3633175.90	0.80478
503021.98	3633175.90	0.80014	503071.98	3633175.90	0.83717
503121.98	3633175.90	0.84862	503171.98	3633175.90	0.90891
503221.98	3633175.90	0.90442	503271.98	3633175.90	0.90313
503321.98	3633175.90	0.92066	503371.98	3633175.90	0.87002
503421.98	3633175.90	0.81771	503471.98	3633175.90	0.81264
503621.98	3633175.90	0.68277	503671.98	3633175.90	0.68254
503721.98	3633175.90	0.62837	503771.98	3633175.90	0.54248
503821.98	3633175.90	0.50305	503871.98	3633175.90	0.49367
503921.98	3633175.90	0.50357	503971.98	3633175.90	0.51259
504021.98	3633175.90	0.51465	504071.98	3633175.90	0.52734
504121.98	3633175.90	0.54055	504171.98	3633175.90	0.55239
504221.98	3633175.90	0.55761	504271.98	3633175.90	0.56052

```
         504321.98    3633175.90        0.56050                        504371.98
3633175.90        0.56199
         504421.98    3633175.90        0.55413                        504471.98
3633175.90        0.54724
         504521.98    3633175.90        0.54532                        504571.98
3633175.90        0.54697
         504621.98    3633175.90        0.55059                        504671.98
3633175.90        0.55540
         504721.98    3633175.90        0.56136                        504771.98
3633175.90        0.56759
         504821.98    3633175.90        0.57138                        504871.98
3633175.90        0.57499
         504921.98    3633175.90        0.58260                        504971.98
3633175.90        0.57485
         505021.98    3633175.90        0.57099                        505071.98
3633175.90        0.57234
         505121.98    3633175.90        0.57434                        505171.98
3633175.90        0.57483
         505221.98    3633175.90        0.57543                        502221.98
3633225.90        0.55509
         502271.98    3633225.90        0.57439                        502321.98
3633225.90        0.59444
         502371.98    3633225.90        0.61587                        502421.98
3633225.90        0.63798
         502471.98    3633225.90        0.66078                        502521.98
3633225.90        0.68504
         502571.98    3633225.90        0.71033                        502621.98
3633225.90        0.73684
         502671.98    3633225.90        0.76430                        502721.98
3633225.90        0.79259
         502771.98    3633225.90        0.82252                        502821.98
3633225.90        0.85335
         502871.98    3633225.90        0.86092                        502921.98
3633225.90        0.91960
         502971.98    3633225.90        0.95468                        503021.98
3633225.90        0.88740
         503071.98    3633225.90        0.92139                        503121.98
3633225.90        0.96291
         503171.98    3633225.90        0.97450                        503221.98
3633225.90        0.96961
         503271.98    3633225.90        0.96867                        503321.98
3633225.90        0.95344
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503371.98	3633225.90	0.89321	503421.98	3633225.90	0.87144
503471.98	3633225.90	0.84024	503621.98	3633225.90	0.72349
503671.98	3633225.90	0.70006	503721.98	3633225.90	0.63276
503771.98	3633225.90	0.57052	503821.98	3633225.90	0.52832
503871.98	3633225.90	0.52971	503921.98	3633225.90	0.53846
503971.98	3633225.90	0.55035	504021.98	3633225.90	0.56000
504071.98	3633225.90	0.57499	504121.98	3633225.90	0.59097
504171.98	3633225.90	0.60224	504221.98	3633225.90	0.60021
504271.98	3633225.90	0.60304	504321.98	3633225.90	0.60853
504371.98	3633225.90	0.60971	504421.98	3633225.90	0.59706
504471.98	3633225.90	0.58987	504521.98	3633225.90	0.58847
504571.98	3633225.90	0.59095	504621.98	3633225.90	0.59575
504671.98	3633225.90	0.60381	504721.98	3633225.90	0.61158
504771.98	3633225.90	0.61542	504821.98	3633225.90	0.61960
504871.98	3633225.90	0.62133	504921.98	3633225.90	0.62948
504971.98	3633225.90	0.62306	505021.98	3633225.90	0.61915
505071.98	3633225.90	0.61867	505121.98		

```
3633225.90        0.61529
         505171.98    3633225.90        0.60904                      505221.98
3633225.90        0.60677
         502221.98    3633275.90        0.56727                      502271.98
3633275.90        0.58753
         502321.98    3633275.90        0.60900                      502371.98
3633275.90        0.63140
         502421.98    3633275.90        0.65469                      502471.98
3633275.90        0.67916
         502521.98    3633275.90        0.70488                      502571.98
3633275.90        0.73181
         502621.98    3633275.90        0.76009                      502671.98
3633275.90        0.78953
         502721.98    3633275.90        0.82030                      502771.98
3633275.90        0.85221
         502821.98    3633275.90        0.74923                      502871.98
3633275.90        0.88605
         502921.98    3633275.90        0.95790                      502971.98
3633275.90        0.99626
         503021.98    3633275.90        0.99726                      503071.98
3633275.90        1.07702
         503121.98    3633275.90        1.11980                      503171.98
3633275.90        1.16293
         503221.98    3633275.90        1.05947                      503271.98
3633275.90        0.99694
         503321.98    3633275.90        1.00621                      503371.98
3633275.90        0.95604
         503421.98    3633275.90        0.91675                      503471.98
3633275.90        0.69316
         503621.98    3633275.90        0.72332                      503671.98
3633275.90        0.70558
         503721.98    3633275.90        0.63770                      503771.98
3633275.90        0.58774
         503821.98    3633275.90        0.55859                      503871.98
3633275.90        0.56788
         503921.98    3633275.90        0.58459                      503971.98
3633275.90        0.61223
         504021.98    3633275.90        0.62337                      504071.98
3633275.90        0.63317
         504121.98    3633275.90        0.65411                      504171.98
3633275.90        0.65495
         504221.98    3633275.90        0.65194                      504271.98
3633275.90        0.65479
         504321.98    3633275.90        0.66512                      504371.98
3633275.90        0.67136
         504421.98    3633275.90        0.65256                      504471.98
3633275.90        0.64144
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504521.98	3633275.90	0.63916	504571.98	3633275.90	0.64240
504621.98	3633275.90	0.65025	504671.98	3633275.90	0.66235
504721.98	3633275.90	0.66787	504771.98	3633275.90	0.66426
504821.98	3633275.90	0.66805	504871.98	3633275.90	0.67581
504921.98	3633275.90	0.68755	504971.98	3633275.90	0.68226
505021.98	3633275.90	0.67524	505071.98	3633275.90	0.67061
505121.98	3633275.90	0.66096	505171.98	3633275.90	0.64771
505221.98	3633275.90	0.64297	502221.98	3633325.90	0.57956
502271.98	3633325.90	0.60092	502321.98	3633325.90	0.62339
502371.98	3633325.90	0.64692	502421.98	3633325.90	0.67162
502471.98	3633325.90	0.69742	502521.98	3633325.90	0.72486
502571.98	3633325.90	0.75363	502621.98	3633325.90	0.78386
502671.98	3633325.90	0.81544	502721.98	3633325.90	0.84852
502771.98	3633325.90	0.88272	502821.98	3633325.90	0.91900

```
        502871.98    3633325.90        0.95792                    502921.98
3633325.90        0.99802
        502971.98    3633325.90        1.03984                    503021.98
3633325.90        1.08345
        503071.98    3633325.90        1.12917                    503121.98
3633325.90        1.17652
        503171.98    3633325.90        1.22504                    503221.98
3633325.90        1.27448
        503271.98    3633325.90        1.04351                    503321.98
3633325.90        1.05049
        503371.98    3633325.90        0.99741                    503421.98
3633325.90        0.83249
        503471.98    3633325.90        0.65694                    503621.98
3633325.90        0.72387
        503671.98    3633325.90        0.70565                    503721.98
3633325.90        0.63781
        503771.98    3633325.90        0.62099                    503821.98
3633325.90        0.60553
        503871.98    3633325.90        0.61435                    503921.98
3633325.90        0.65077
        503971.98    3633325.90        0.69913                    504021.98
3633325.90        0.70385
        504071.98    3633325.90        0.70517                    504121.98
3633325.90        0.73491
        504171.98    3633325.90        0.71771                    504221.98
3633325.90        0.71041
        504271.98    3633325.90        0.71915                    504321.98
3633325.90        0.74161
        504371.98    3633325.90        0.74814                    504421.98
3633325.90        0.71982
        504471.98    3633325.90        0.70342                    504521.98
3633325.90        0.69884
        504571.98    3633325.90        0.70443                    504621.98
3633325.90        0.71654
        504671.98    3633325.90        0.73198                    504721.98
3633325.90        0.73126
        504771.98    3633325.90        0.72168                    504821.98
3633325.90        0.72309
        504871.98    3633325.90        0.74275                    504921.98
3633325.90        0.75785
        504971.98    3633325.90        0.74963                    505021.98
3633325.90        0.73911
        505071.98    3633325.90        0.73062                    505121.98
3633325.90        0.70764
        505171.98    3633325.90        0.69098                    505221.98
3633325.90        0.68563
        502221.98    3633375.90        0.59200                    502271.98
3633375.90        0.61427
        502321.98    3633375.90        0.63771                    502371.98
3633375.90        0.66242
```

```
         502421.98    3633375.90        0.68853                      502471.98
3633375.90        0.71601
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502521.98    3633375.90        0.74509                      502571.98
3633375.90        0.77574
         502621.98    3633375.90        0.80805                      502671.98
3633375.90        0.84194
         502721.98    3633375.90        0.87752                      502771.98
3633375.90        0.91498
         502821.98    3633375.90        0.95444                      502871.98
3633375.90        0.99611
         502921.98    3633375.90        1.03978                      502971.98
3633375.90        1.08564
         503021.98    3633375.90        1.13366                      503071.98
3633375.90        1.18416
         503121.98    3633375.90        1.23669                      503171.98
3633375.90        1.29106
         503221.98    3633375.90        1.34665                      503271.98
3633375.90        1.40371
         503321.98    3633375.90        1.24642                      503371.98
3633375.90        1.06859
         503421.98    3633375.90        0.79590                      503471.98
3633375.90        0.78570
         503621.98    3633375.90        0.79805                      503671.98
3633375.90        0.75609
         503721.98    3633375.90        0.69856                      503771.98
```

3633375.90 0.69019
503821.98 3633375.90 0.69967 503871.98
3633375.90 0.69333
503921.98 3633375.90 0.74203 503971.98
3633375.90 0.80836
504021.98 3633375.90 0.79806 504071.98
3633375.90 0.79228
504121.98 3633375.90 0.83012 504171.98
3633375.90 0.78884
504221.98 3633375.90 0.78879 504271.98
3633375.90 0.81177
504321.98 3633375.90 0.84296 504371.98
3633375.90 0.84652
504421.98 3633375.90 0.79992 504471.98
3633375.90 0.77464
504521.98 3633375.90 0.76824 504571.98
3633375.90 0.77992
504621.98 3633375.90 0.79654 504671.98
3633375.90 0.81524
504721.98 3633375.90 0.80280 504771.98
3633375.90 0.78912
504821.98 3633375.90 0.79656 504871.98
3633375.90 0.83057
504921.98 3633375.90 0.83619 504971.98
3633375.90 0.82556
505021.98 3633375.90 0.80933 505071.98
3633375.90 0.78231
505121.98 3633375.90 0.75510 505171.98
3633375.90 0.73737
505221.98 3633375.90 0.73237 502221.98
3633425.90 0.60394
502271.98 3633425.90 0.62709 502321.98
3633425.90 0.65151
502371.98 3633425.90 0.67750 502421.98
3633425.90 0.70517
502471.98 3633425.90 0.73493 502521.98
3633425.90 0.76564
502571.98 3633425.90 0.79813 502621.98
3633425.90 0.83258
502671.98 3633425.90 0.86887 502721.98
3633425.90 0.90728
502771.98 3633425.90 0.94780 502821.98
3633425.90 0.99059
502871.98 3633425.90 1.03576 502921.98
3633425.90 1.08328
502971.98 3633425.90 1.13352 503021.98
3633425.90 1.18656
503071.98 3633425.90 1.24213 503121.98
3633425.90 1.30076
503171.98 3633425.90 1.36138 503221.98

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929
, L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937
,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503671.98	3633425.90	0.87690	503721.98	3633425.90	0.79183
503771.98	3633425.90	0.77625	503821.98	3633425.90	0.79042
503871.98	3633425.90	0.80699	503921.98	3633425.90	0.88433
503971.98	3633425.90	0.92262	504021.98	3633425.90	0.90499
504071.98	3633425.90	0.90227	504121.98	3633425.90	0.94615
504171.98	3633425.90	0.90056	504221.98	3633425.90	0.91603
504271.98	3633425.90	0.95798	504321.98	3633425.90	1.00018
504371.98	3633425.90	0.94632	504421.98	3633425.90	0.89150
504471.98	3633425.90	0.86204	504521.98	3633425.90	0.85290

504571.98 3633425.90 0.87089 504621.98
3633425.90 0.89570
504671.98 3633425.90 0.90651 504721.98
3633425.90 0.90072
504771.98 3633425.90 0.88627 504821.98
3633425.90 0.88518
504871.98 3633425.90 0.92396 504921.98
3633425.90 0.91411
504971.98 3633425.90 0.89263 505021.98
3633425.90 0.85262
505071.98 3633425.90 0.82454 505121.98
3633425.90 0.80271
505171.98 3633425.90 0.78565 505221.98
3633425.90 0.78080
502221.98 3633475.90 0.61587 502271.98
3633475.90 0.64000
502321.98 3633475.90 0.66566 502371.98
3633475.90 0.69300
502421.98 3633475.90 0.72215 502471.98
3633475.90 0.75371
502521.98 3633475.90 0.78590 502571.98
3633475.90 0.82039
502621.98 3633475.90 0.85718 502671.98
3633475.90 0.89597
504771.98 3633475.90 1.02922 504821.98
3633475.90 1.03053
504871.98 3633475.90 1.02028 504921.98
3633475.90 1.00606
504971.98 3633475.90 0.96385 505021.98
3633475.90 0.91151
505071.98 3633475.90 0.88011 505121.98
3633475.90 0.85466
505171.98 3633475.90 0.83143 505221.98
3633475.90 0.82052
502221.98 3633525.90 0.62800 502271.98
3633525.90 0.65315
502321.98 3633525.90 0.67988 502371.98
3633525.90 0.70884
502421.98 3633525.90 0.73963 502471.98
3633525.90 0.77244
502521.98 3633525.90 0.80621 502571.98
3633525.90 0.84203
502621.98 3633525.90 0.88126 502671.98
3633525.90 0.92282
504771.98 3633525.90 1.13338 504821.98
3633525.90 1.11653
504871.98 3633525.90 1.09993 504921.98
3633525.90 1.08310
504971.98 3633525.90 1.06152 505021.98
3633525.90 1.00477

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                  INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                 L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502621.98   3633575.90   0.90575   502671.98
3633575.90   0.94995
         504771.98   3633575.90   1.23390   504821.98
3633575.90   1.21455
         504871.98   3633575.90   1.19459   504921.98
3633575.90   1.16079
         504971.98   3633575.90   1.14084   505021.98
3633575.90   1.09603
         505071.98   3633575.90   1.02337   505121.98
3633575.90   0.96035
         505171.98   3633575.90   0.92398   505221.98
3633575.90   0.90614
         502221.98   3633625.90   0.65230   502271.98

3633625.90 0.67824
502321.98 3633625.90 0.70776 502371.98
3633625.90 0.73919
502421.98 3633625.90 0.77294 502471.98
3633625.90 0.80799
502521.98 3633625.90 0.84663 502571.98
3633625.90 0.88740
502621.98 3633625.90 0.93117 502671.98
3633625.90 0.97783
504771.98 3633625.90 1.34259 504821.98
3633625.90 1.34527
504871.98 3633625.90 1.29573 504921.98
3633625.90 1.25346
504971.98 3633625.90 1.22321 505021.98
3633625.90 1.17424
505071.98 3633625.90 1.08863 505121.98
3633625.90 1.01950
505171.98 3633625.90 0.97018 505221.98
3633625.90 0.94525
502221.98 3633675.90 0.66304 502271.98
3633675.90 0.69018
502321.98 3633675.90 0.72089 502371.98
3633675.90 0.75331
502421.98 3633675.90 0.78889 502471.98
3633675.90 0.82621
502521.98 3633675.90 0.86654 502571.98
3633675.90 0.90949
502621.98 3633675.90 0.95559 502671.98
3633675.90 1.00507
504771.98 3633675.90 1.49410 504821.98
3633675.90 1.46328
504871.98 3633675.90 1.41935 504921.98
3633675.90 1.36896
504971.98 3633675.90 1.31302 505021.98
3633675.90 1.24641
505071.98 3633675.90 1.14503 505121.98
3633675.90 1.05519
505171.98 3633675.90 0.99650 505221.98
3633675.90 0.96020
502221.98 3633725.90 0.67337 502271.98
3633725.90 0.70171
502321.98 3633725.90 0.73391 502371.98
3633725.90 0.76795
502421.98 3633725.90 0.80453 502471.98
3633725.90 0.84373
502521.98 3633725.90 0.88587 502571.98
3633725.90 0.93114
502621.98 3633725.90 0.97983 502671.98
3633725.90 1.03210
504771.98 3633725.90 1.69994 504821.98

3633725.90   1.60280
         504871.98   3633725.90   1.54375   504921.98
3633725.90   1.46539
         504971.98   3633725.90   1.38266   505021.98
3633725.90   1.28558
         505071.98   3633725.90   1.16317   505121.98
3633725.90   1.06525
         505171.98   3633725.90   1.00874   505221.98
3633725.90   0.96427
         502221.98   3633775.90   0.68355   502271.98
3633775.90   0.71294
         502321.98   3633775.90   0.74707   502371.98
3633775.90   0.78216
         502421.98   3633775.90   0.82035   502471.98
3633775.90   0.86055
         502521.98   3633775.90   0.90469   502571.98
3633775.90   0.95223

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                 INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

505071.98 3633775.90 1.17445 505121.98 3633775.90 1.07513
505171.98 3633775.90 1.01564 505221.98 3633775.90 0.97735
502221.98 3633825.90 0.69405 502271.98 3633825.90 0.72426
502321.98 3633825.90 0.75886 502371.98 3633825.90 0.79559
502421.98 3633825.90 0.83482 502471.98 3633825.90 0.87690
502521.98 3633825.90 0.92276 502571.98 3633825.90 0.97254
502621.98 3633825.90 1.02639 502671.98 3633825.90 1.08435
504771.98 3633825.90 2.08598 504821.98 3633825.90 1.90580
504871.98 3633825.90 1.66288 504921.98 3633825.90 1.50240
504971.98 3633825.90 1.38672 505021.98 3633825.90 1.28781
505071.98 3633825.90 1.18161 505121.98 3633825.90 1.08666
505171.98 3633825.90 1.03723 505221.98 3633825.90 1.00344
502221.98 3633875.90 0.70305 502271.98 3633875.90 0.73463
502321.98 3633875.90 0.77067 502371.98 3633875.90 0.80780
502421.98 3633875.90 0.84867 502471.98 3633875.90 0.89197
502521.98 3633875.90 0.94002 502571.98 3633875.90 0.99213
502621.98 3633875.90 1.04840 502671.98 3633875.90 1.10913
504771.98 3633875.90 2.18701 504821.98 3633875.90 1.90647
504871.98 3633875.90 1.65638 504921.98 3633875.90 1.49955
504971.98 3633875.90 1.37593 505021.98 3633875.90 1.27338
505071.98 3633875.90 1.20004 505121.98 3633875.90 1.11929
505171.98 3633875.90 1.06803 505221.98 3633875.90 1.02286
502221.98 3633925.90 0.71176 502271.98 3633925.90 0.74480
502321.98 3633925.90 0.78126 502371.98 3633925.90 0.81929
502421.98 3633925.90 0.86212 502471.98 3633925.90 0.90708

```
         502521.98    3633925.90        0.95660                      502571.98
3633925.90        1.01043
         502621.98    3633925.90        1.06905                      502671.98
3633925.90        1.13251
         504771.98    3633925.90        2.19418                      504821.98
3633925.90        1.91290
         504871.98    3633925.90        1.70428                      504921.98
3633925.90        1.51686
         504971.98    3633925.90        1.37901                      505021.98
3633925.90        1.28862
         505071.98    3633925.90        1.20872                      505121.98
3633925.90        1.13530
         505171.98    3633925.90        1.07518                      505221.98
3633925.90        1.01604
         502221.98    3633975.90        0.72016                      502271.98
3633975.90        0.75310
         502321.98    3633975.90        0.79034                      502371.98
3633975.90        0.83087
         502421.98    3633975.90        0.87438                      502471.98
3633975.90        0.92113
         502521.98    3633975.90        0.97234                      502571.98
3633975.90        1.02771
```



```
                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3633975.90        1.08855                      502671.98
3633975.90        1.15440
         504771.98    3633975.90        2.14934                      504821.98
```

3633975.90 1.93436
504871.98 3633975.90 1.75847 504921.98
3633975.90 1.56851
504971.98 3633975.90 1.38821 505021.98
3633975.90 1.27061
505071.98 3633975.90 1.17456 505121.98
3633975.90 1.10995
505171.98 3633975.90 1.04375 505221.98
3633975.90 0.97746
502221.98 3634025.90 0.72768 502271.98
3634025.90 0.76118
502321.98 3634025.90 0.79910 502371.98
3634025.90 0.84065
502421.98 3634025.90 0.88515 502471.98
3634025.90 0.93338
502521.98 3634025.90 0.98593 502571.98
3634025.90 1.04335
502621.98 3634025.90 1.10644 502671.98
3634025.90 1.17511
504771.98 3634025.90 2.11216 504821.98
3634025.90 1.94449
504871.98 3634025.90 1.71646 504921.98
3634025.90 1.51374
504971.98 3634025.90 1.32533 505021.98
3634025.90 1.20224
505071.98 3634025.90 1.10572 505121.98
3634025.90 1.04832
505171.98 3634025.90 0.99408 505221.98
3634025.90 0.93133
502221.98 3634075.90 0.73323 502271.98
3634075.90 0.76817
502321.98 3634075.90 0.80673 502371.98
3634075.90 0.84842
502421.98 3634075.90 0.89346 502471.98
3634075.90 0.94299
502521.98 3634075.90 0.99744 502571.98
3634075.90 1.05753
502621.98 3634075.90 1.12226 502671.98
3634075.90 1.19401
504771.98 3634075.90 2.06452 504821.98
3634075.90 1.84529
504871.98 3634075.90 1.58510 504921.98
3634075.90 1.39442
504971.98 3634075.90 1.23459 505021.98
3634075.90 1.11929
505071.98 3634075.90 1.03824 505121.98
3634075.90 0.99068
505171.98 3634075.90 0.95556 505221.98
3634075.90 0.90726
502221.98 3634125.90 0.73740 502271.98

3634125.90   0.77440
         502321.98   3634125.90   0.81331   502371.98
3634125.90   0.85637
         502421.98   3634125.90   0.90241   502471.98
3634125.90   0.95262
         502521.98   3634125.90   1.00741   502571.98
3634125.90   1.06760
         502621.98   3634125.90   1.13578   502671.98
3634125.90   1.21029
         504771.98   3634125.90   1.84380   504821.98
3634125.90   1.64745
         504871.98   3634125.90   1.46149   504921.98
3634125.90   1.27575
         504971.98   3634125.90   1.16470   505021.98
3634125.90   1.06929
         505071.98   3634125.90   1.01156   505121.98
3634125.90   0.98044
         505171.98   3634125.90   0.94727   505221.98
3634125.90   0.90710
         502221.98   3634175.90   0.73972   502271.98
3634175.90   0.77699
         502321.98   3634175.90   0.81636   502371.98
3634175.90   0.86370
         502421.98   3634175.90   0.91056   502471.98
3634175.90   0.96156
         502521.98   3634175.90   1.01690   502571.98
3634175.90   1.07814

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                 INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         505071.98    3634275.90        1.00982                       505121.98
3634275.90        0.98019
         505171.98    3634275.90        0.90285                       505221.98
3634275.90        0.90071
         502221.98    3634325.90        0.74950                       502271.98
3634325.90        0.78745
         502321.98    3634325.90        0.82820                       502371.98
3634325.90        0.87251
         502421.98    3634325.90        0.92057                       502471.98
3634325.90        0.97265
         502521.98    3634325.90        1.03000                       502571.98
3634325.90        1.09284
         502621.98    3634325.90        1.16205                       502671.98
3634325.90        1.23933
         504771.98    3634325.90        1.57978                       504821.98
3634325.90        1.47110
         504871.98    3634325.90        1.37210                       504921.98
3634325.90        1.30461
         504971.98    3634325.90        1.24357                       505021.98
3634325.90        1.11314
         505071.98    3634325.90        1.03850                       505121.98
3634325.90        1.02157
         505171.98    3634325.90        0.94020                       505221.98
3634325.90        0.90504
         502221.98    3634375.90        0.75213                       502271.98
3634375.90        0.79015
         502321.98    3634375.90        0.82979                       502371.98
3634375.90        0.87305
         502421.98    3634375.90        0.92267                       502471.98
3634375.90        0.97673
         502521.98    3634375.90        1.03645                       502571.98
3634375.90        1.10000
```



```
                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634375.90	1.16755	502671.98	3634375.90	1.24018
504771.98	3634375.90	1.67039	504821.98	3634375.90	1.58694
504871.98	3634375.90	1.47976	504921.98	3634375.90	1.40764
504971.98	3634375.90	1.30716	505021.98	3634375.90	1.16419
505071.98	3634375.90	1.09310	505121.98	3634375.90	1.08229
505171.98	3634375.90	1.00013	505221.98	3634375.90	0.93629
502221.98	3634425.90	0.75447	502271.98	3634425.90	0.79264
502321.98	3634425.90	0.83348	502371.98	3634425.90	0.87781
502421.98	3634425.90	0.92631	502471.98	3634425.90	0.97867
502521.98	3634425.90	1.03664	502571.98	3634425.90	1.09990
502621.98	3634425.90	1.16971	502671.98	3634425.90	1.24657
504771.98	3634425.90	1.73501	504821.98	3634425.90	1.63998
504871.98	3634425.90	1.59860	504921.98	3634425.90	1.55457
504971.98	3634425.90	1.37550	505021.98	3634425.90	1.26481
505071.98	3634425.90	1.21269	505121.98	3634425.90	1.15432
505171.98	3634425.90	1.06140	505221.98	3634425.90	0.98272
502221.98	3634475.90	0.75376	502271.98	3634475.90	0.79158
502321.98	3634475.90	0.83237	502371.98	3634475.90	0.87660
502421.98	3634475.90	0.92467	502471.98	3634475.90	0.97687
502521.98	3634475.90	1.03453	502571.98	3634475.90	1.09745
502621.98	3634475.90	1.16664	502671.98	3634475.90	1.24311
504771.98	3634475.90	1.76995	504821.98		

3634475.90   1.64366
         504871.98   3634475.90   1.61220   504921.98
3634475.90   1.69098
         504971.98   3634475.90   1.52598   505021.98
3634475.90   1.41164
         505071.98   3634475.90   1.33745   505121.98
3634475.90   1.23293
         505171.98   3634475.90   1.12543   505221.98
3634475.90   1.03502
         502221.98   3634525.90   0.75200   502271.98
3634525.90   0.78928
         502321.98   3634525.90   0.82969   502371.98
3634525.90   0.87360
         502421.98   3634525.90   0.92114   502471.98
3634525.90   0.97304
         502521.98   3634525.90   1.02964   502571.98
3634525.90   1.09197
         502621.98   3634525.90   1.16040   502671.98
3634525.90   1.23669
         504771.98   3634525.90   1.82547   504821.98
3634525.90   1.66918
         504871.98   3634525.90   1.64816   504921.98
3634525.90   1.78309
         504971.98   3634525.90   1.74849   505021.98
3634525.90   1.59155
         505071.98   3634525.90   1.45685   505121.98
3634525.90   1.30238
         505171.98   3634525.90   1.16451   505221.98
3634525.90   1.05233
         502221.98   3634575.90   0.74960   502271.98
3634575.90   0.78577
         502321.98   3634575.90   0.82548   502371.98
3634575.90   0.86872
         502421.98   3634575.90   0.91572   502471.98
3634575.90   0.96694
         502521.98   3634575.90   1.02265   502571.98
3634575.90   1.08374

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                  INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                 L0000933   , L0000934   , L0000935   , L0000936   , L0000937

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634575.90	1.15089	502671.98	3634575.90	1.22536
504771.98	3634575.90	2.01425	504821.98	3634575.90	1.82642
504871.98	3634575.90	1.85870	504921.98	3634575.90	1.96904
504971.98	3634575.90	1.82381	505021.98	3634575.90	1.61158
505071.98	3634575.90	1.45232	505121.98	3634575.90	1.31268
505171.98	3634575.90	1.11953	505221.98	3634575.90	1.02390
502221.98	3634625.90	0.74542	502271.98	3634625.90	0.78161
502321.98	3634625.90	0.81982	502371.98	3634625.90	0.86219
502421.98	3634625.90	0.90816	502471.98	3634625.90	0.95829
502521.98	3634625.90	1.01357	502571.98	3634625.90	1.07314
502621.98	3634625.90	1.13856	502671.98	3634625.90	1.21023
504771.98	3634625.90	2.35958	504821.98	3634625.90	2.29791
504871.98	3634625.90	2.13252	504921.98	3634625.90	1.97033
504971.98	3634625.90	1.76558	505021.98	3634625.90	1.56139
505071.98	3634625.90	1.37905	505121.98	3634625.90	1.25618
505171.98	3634625.90	1.06086	505221.98	3634625.90	0.97176
502221.98	3634675.90	0.73949	502271.98	3634675.90	0.77562
502321.98	3634675.90	0.81416	502371.98	3634675.90	0.85544
502421.98	3634675.90	0.90042	502471.98	3634675.90	0.94917

```
         502521.98    3634675.90        1.00213                        502571.98
3634675.90        1.06008
         502621.98    3634675.90        1.12332                        502671.98
3634675.90        1.19218
         504771.98    3634675.90        2.45412                        504821.98
3634675.90        2.26577
         504871.98    3634675.90        2.03230                        504921.98
3634675.90        1.88849
         504971.98    3634675.90        1.73542                        505021.98
3634675.90        1.49765
         505071.98    3634675.90        1.27801                        505121.98
3634675.90        1.17846
         505171.98    3634675.90        1.02952                        505221.98
3634675.90        0.93731
         502221.98    3634725.90        0.73264                        502271.98
3634725.90        0.76771
         502321.98    3634725.90        0.80460                        502371.98
3634725.90        0.84494
         502421.98    3634725.90        0.88924                        502471.98
3634725.90        0.93666
         502521.98    3634725.90        0.98771                        502571.98
3634725.90        1.04381
         502621.98    3634725.90        1.10460                        502671.98
3634725.90        1.17134
         504771.98    3634725.90        2.33017                        504821.98
3634725.90        2.16106
         504871.98    3634725.90        1.99222                        504921.98
3634725.90        1.80265
         504971.98    3634725.90        1.60323                        505021.98
3634725.90        1.33792
         505071.98    3634725.90        1.18083                        505121.98
3634725.90        1.08033
         505171.98    3634725.90        0.94688                        505221.98
3634725.90        0.88766
         502221.98    3634775.90        0.72529                        502271.98
3634775.90        0.75939
         502321.98    3634775.90        0.79465                        502371.98
3634775.90        0.83345
         502421.98    3634775.90        0.87545                        502471.98
3634775.90        0.92125
         502521.98    3634775.90        0.97180                        502571.98
3634775.90        1.02529
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634775.90	1.08365	502671.98	3634775.90	1.14744
504771.98	3634775.90	2.24005	504821.98	3634775.90	2.05916
504871.98	3634775.90	1.90591	504921.98	3634775.90	1.69237
504971.98	3634775.90	1.38996	505021.98	3634775.90	1.17638
505071.98	3634775.90	1.09384	505121.98	3634775.90	1.01563
505171.98	3634775.90	0.88692	505221.98	3634775.90	0.82185
502221.98	3634825.90	0.71650	502271.98	3634825.90	0.74940
502321.98	3634825.90	0.78434	502371.98	3634825.90	0.82203
502421.98	3634825.90	0.86218	502471.98	3634825.90	0.90523
502521.98	3634825.90	0.95400	502571.98	3634825.90	1.00556
502621.98	3634825.90	1.06122	502671.98	3634825.90	1.12162
504771.98	3634825.90	2.13583	504821.98	3634825.90	1.96360
504871.98	3634825.90	1.79663	504921.98	3634825.90	1.53678
504971.98	3634825.90	1.19682	505021.98	3634825.90	1.01208
505071.98	3634825.90	0.96618	505121.98	3634825.90	0.91999
505171.98	3634825.90	0.82718	505221.98	3634825.90	0.77164
502221.98	3634875.90	0.70687	502271.98		

```
3634875.90        0.73823
         502321.98    3634875.90        0.77207                        502371.98
3634875.90        0.80856
         502421.98    3634875.90        0.84766                        502471.98
3634875.90        0.88970
         502521.98    3634875.90        0.93503                        502571.98
3634875.90        0.98406
         502621.98    3634875.90        1.03714                        502671.98
3634875.90        1.09469
         504771.98    3634875.90        2.03223                        504821.98
3634875.90        1.87105
         504871.98    3634875.90        1.73064                        504921.98
3634875.90        1.43209
         504971.98    3634875.90        1.11711                        505021.98
3634875.90        0.94664
         505071.98    3634875.90        0.85766                        505121.98
3634875.90        0.83303
         505171.98    3634875.90        0.77869                        505221.98
3634875.90        0.74304
         502221.98    3634925.90        0.69601                        502271.98
3634925.90        0.72641
         502321.98    3634925.90        0.75910                        502371.98
3634925.90        0.79406
         502421.98    3634925.90        0.83160                        502471.98
3634925.90        0.87164
         502521.98    3634925.90        0.91506                        502571.98
3634925.90        0.96172
         502621.98    3634925.90        1.01197                        502671.98
3634925.90        1.06663
         504771.98    3634925.90        1.93193                        504821.98
3634925.90        1.78770
         504871.98    3634925.90        1.67273                        504921.98
3634925.90        1.42668
         504971.98    3634925.90        1.12400                        505021.98
3634925.90        0.91930
         505071.98    3634925.90        0.82030                        505121.98
3634925.90        0.79227
         505171.98    3634925.90        0.75047                        505221.98
3634925.90        0.72320
         502221.98    3634975.90        0.68455                        502271.98
3634975.90        0.71402
         502321.98    3634975.90        0.74525                        502371.98
3634975.90        0.77881
         502421.98    3634975.90        0.81470                        502471.98
3634975.90        0.85304
         502521.98    3634975.90        0.89440                        502571.98
3634975.90        0.93866
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634975.90	0.98639	502671.98	3634975.90	1.03794
504821.98	3634975.90	1.70745	504871.98	3634975.90	1.60976
504921.98	3634975.90	1.46532	504971.98	3634975.90	1.11634
505021.98	3634975.90	0.92668	505071.98	3634975.90	0.82560
505121.98	3634975.90	0.81784	505171.98	3634975.90	0.77651
505221.98	3634975.90	0.73177	502221.98	3635025.90	0.67260
502271.98	3635025.90	0.70100	502321.98	3635025.90	0.73106
502371.98	3635025.90	0.76310	502421.98	3635025.90	0.79749
502471.98	3635025.90	0.83414	502521.98	3635025.90	0.87347
502571.98	3635025.90	0.91553	502621.98	3635025.90	0.96077
502671.98	3635025.90	1.00935	504871.98	3635025.90	1.54443
504921.98	3635025.90	1.42677	504971.98	3635025.90	1.16193
505021.98	3635025.90	0.93970	505071.98	3635025.90	0.85739
505121.98	3635025.90	0.86342	505171.98	3635025.90	0.82767

505221.98 3635025.90 0.76765 502221.98
3635075.90 0.66038
502271.98 3635075.90 0.68752 502321.98
3635075.90 0.71641
502371.98 3635075.90 0.74716 502421.98
3635075.90 0.77988
502471.98 3635075.90 0.81482 502521.98
3635075.90 0.85222
502571.98 3635075.90 0.89226 502621.98
3635075.90 0.93509
502671.98 3635075.90 0.98116 504921.98
3635075.90 1.40113
504971.98 3635075.90 1.27856 505021.98
3635075.90 1.00919
505071.98 3635075.90 0.94662 505121.98
3635075.90 0.94275
505171.98 3635075.90 0.94191 505221.98
3635075.90 0.86774
502221.98 3635125.90 0.64769 502271.98
3635125.90 0.67385
502321.98 3635125.90 0.70140 502371.98
3635125.90 0.73076
502421.98 3635125.90 0.76199 502471.98
3635125.90 0.79524
502521.98 3635125.90 0.83088 502571.98
3635125.90 0.86898
502621.98 3635125.90 0.90971 502671.98
3635125.90 0.95333
505021.98 3635125.90 1.17899 505071.98
3635125.90 1.08821
505121.98 3635125.90 1.06615 505171.98
3635125.90 1.03314
505221.98 3635125.90 0.92777 502221.98
3635175.90 0.63481
502271.98 3635175.90 0.65996 502321.98
3635175.90 0.68626
502371.98 3635175.90 0.71427 502421.98
3635175.90 0.74407
502471.98 3635175.90 0.77578 502521.98
3635175.90 0.80962
502571.98 3635175.90 0.84588 502621.98
3635175.90 0.88462
502671.98 3635175.90 0.92584 505121.98
3635175.90 1.05728
505171.98 3635175.90 1.00900 505221.98
3635175.90 0.96285
502221.98 3635225.90 0.62192 502271.98
3635225.90 0.64592
502321.98 3635225.90 0.67122 502371.98
3635225.90 0.69802

```
         502421.98    3635225.90        0.72647                      502471.98
3635225.90        0.75674
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502521.98    3635225.90        0.78900                      502571.98
3635225.90        0.82337
         502621.98    3635225.90        0.85990                      502671.98
3635225.90        0.89885
         502221.98    3635275.90        0.60885                      502271.98
3635275.90        0.63207
         502321.98    3635275.90        0.65614                      502371.98
3635275.90        0.68176
         502421.98    3635275.90        0.70899                      502471.98
3635275.90        0.73783
         502521.98    3635275.90        0.76827                      502571.98
3635275.90        0.80105
         502621.98    3635275.90        0.83560                      502671.98
3635275.90        0.87216
         502221.98    3635325.90        0.60704                      502271.98
3635325.90        0.61831
         502321.98    3635325.90        0.64140                      502371.98
3635325.90        0.66582
         502421.98    3635325.90        0.69645                      502471.98
3635325.90        0.72258
         502521.98    3635325.90        0.74824                      502571.98
3635325.90        0.77919
         502621.98    3635325.90        0.81169                      502671.98
```

3635325.90 0.84593
502221.98 3635375.90 0.59312 502271.98 3635375.90 0.60479
502321.98 3635375.90 0.62690 502371.98 3635375.90 0.65673
502421.98 3635375.90 0.67869 502471.98 3635375.90 0.70112
502521.98 3635375.90 0.72844 502571.98 3635375.90 0.75770
502621.98 3635375.90 0.78821 502671.98 3635375.90 0.82031
502221.98 3635425.90 0.58270 502271.98 3635425.90 0.59155
502321.98 3635425.90 0.61657 502371.98 3635425.90 0.63674
502421.98 3635425.90 0.65716 502471.98 3635425.90 0.67813
502521.98 3635425.90 0.70113 502571.98 3635425.90 0.72645
502621.98 3635425.90 0.75350 502671.98 3635425.90 0.78753
504771.98 3635425.90 1.15273 502221.98 3635475.90 0.56584
502271.98 3635475.90 0.58185 502321.98 3635475.90 0.59928
502371.98 3635475.90 0.61745 502421.98 3635475.90 0.63636
502471.98 3635475.90 0.65510 502521.98 3635475.90 0.67883
502571.98 3635475.90 0.70327 502621.98 3635475.90 0.72945
502671.98 3635475.90 0.75415 504771.98 3635475.90 1.13465
504821.98 3635475.90 1.08043 504871.98 3635475.90 1.06169
504921.98 3635475.90 1.02227 502221.98 3635525.90 0.55022
502271.98 3635525.90 0.56505 502321.98 3635525.90 0.58132
502371.98 3635525.90 0.59874 502421.98 3635525.90 0.61673
502471.98 3635525.90 0.63549 502521.98 3635525.90 0.65769
502571.98 3635525.90 0.68031 502621.98 3635525.90 0.70330
502671.98 3635525.90 0.72643 502721.98 3635525.90 0.75143
502771.98 3635525.90 0.77915 502821.98 3635525.90 0.80818
502871.98 3635525.90 0.83944 502921.98

```
3635525.90        0.87048
         502971.98    3635525.90        0.90262                      503021.98
3635525.90        0.93561
         503071.98    3635525.90        0.97164                      503121.98
3635525.90        1.01557
         503171.98    3635525.90        1.04722                      503221.98
3635525.90        1.06452
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
         503271.98    3635525.90        1.09224                      503321.98
3635525.90        1.12151
         503371.98    3635525.90        1.15126                      503421.98
3635525.90        1.18104
         503471.98    3635525.90        1.21726                      503521.98
3635525.90        1.25315
         503571.98    3635525.90        1.27465                      503621.98
3635525.90        1.29190
         503671.98    3635525.90        1.31385                      503721.98
3635525.90        1.33496
         503771.98    3635525.90        1.35596                      503821.98
3635525.90        1.37265
         503871.98    3635525.90        1.37453                      503921.98
3635525.90        1.38860
         503971.98    3635525.90        1.40188                      504021.98
3635525.90        1.38854
         504071.98    3635525.90        1.37525                      504121.98
3635525.90        1.36647
```

504171.98 3635525.90 1.35422 504221.98 3635525.90 1.33998
504271.98 3635525.90 1.32156 504321.98 3635525.90 1.30108
504371.98 3635525.90 1.27828 504421.98 3635525.90 1.25312
504471.98 3635525.90 1.22623 504521.98 3635525.90 1.19755
504571.98 3635525.90 1.16711 504621.98 3635525.90 1.13635
504671.98 3635525.90 1.10513 504721.98 3635525.90 1.12091
504771.98 3635525.90 1.08460 504821.98 3635525.90 1.05443
504871.98 3635525.90 1.02334 504921.98 3635525.90 0.97769
504971.98 3635525.90 0.95147 505021.98 3635525.90 0.93008
505071.98 3635525.90 0.89341 505121.98 3635525.90 0.85495
505171.98 3635525.90 0.81710 505221.98 3635525.90 0.78087
502221.98 3635575.90 0.52974 502271.98 3635575.90 0.54831
502321.98 3635575.90 0.56419 502371.98 3635575.90 0.58049
502421.98 3635575.90 0.59756 502471.98 3635575.90 0.61676
502521.98 3635575.90 0.63823 502571.98 3635575.90 0.65965
502621.98 3635575.90 0.68075 502671.98 3635575.90 0.70204
502721.98 3635575.90 0.72537 502771.98 3635575.90 0.75229
502821.98 3635575.90 0.77933 502871.98 3635575.90 0.80719
502921.98 3635575.90 0.83596 502971.98 3635575.90 0.86421
503021.98 3635575.90 0.89346 503071.98 3635575.90 0.92657
503121.98 3635575.90 0.96819 503171.98 3635575.90 0.99646
503221.98 3635575.90 1.00770 503271.98 3635575.90 1.03695
503321.98 3635575.90 1.06612 503371.98 3635575.90 1.09634
503421.98 3635575.90 1.12576 503471.98 3635575.90 1.16179
503521.98 3635575.90 1.19594 503571.98 3635575.90 1.21716

```
         503621.98    3635575.90        1.22347                      503671.98
3635575.90        1.23970
         503721.98    3635575.90        1.25587                      503771.98
3635575.90        1.26966
         503821.98    3635575.90        1.27878                      503871.98
3635575.90        1.28969
         503921.98    3635575.90        1.29811                      503971.98
3635575.90        1.30868
         504021.98    3635575.90        1.28991                      504071.98
3635575.90        1.28508
         504121.98    3635575.90        1.27721                      504171.98
3635575.90        1.26666
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 106
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         504221.98    3635575.90        1.25386                      504271.98
3635575.90        1.23899
         504321.98    3635575.90        1.22106                      504371.98
3635575.90        1.20101
         504421.98    3635575.90        1.17904                      504471.98
3635575.90        1.15572
         504521.98    3635575.90        1.13038                      504571.98
3635575.90        1.10426
         504621.98    3635575.90        1.07653                      504671.98
3635575.90        1.04886
         504721.98    3635575.90        1.02076                      504771.98
3635575.90        1.03326
         504821.98    3635575.90        1.00890                      504871.98
```

3635575.90 0.97500
504921.98 3635575.90 0.91135 504971.98
3635575.90 0.91539
505021.98 3635575.90 0.89444 505071.98
3635575.90 0.86608
505121.98 3635575.90 0.85118 505171.98
3635575.90 0.79716
505221.98 3635575.90 0.77287 502221.98
3635625.90 0.50761
502271.98 3635625.90 0.52922 502321.98
3635625.90 0.54602
502371.98 3635625.90 0.56344 502421.98
3635625.90 0.57582
502471.98 3635625.90 0.59278 502521.98
3635625.90 0.61195
502571.98 3635625.90 0.63774 502621.98
3635625.90 0.66051
502671.98 3635625.90 0.67958 502721.98
3635625.90 0.70020
502771.98 3635625.90 0.72352 502821.98
3635625.90 0.74715
502871.98 3635625.90 0.77186 502921.98
3635625.90 0.79756
502971.98 3635625.90 0.82391 503021.98
3635625.90 0.85069
503071.98 3635625.90 0.87807 503121.98
3635625.90 0.90543
503171.98 3635625.90 0.93310 503221.98
3635625.90 0.96186
503271.98 3635625.90 0.99018 503321.98
3635625.90 1.01801
503371.98 3635625.90 1.04336 503421.98
3635625.90 1.07092
503471.98 3635625.90 1.10576 503521.98
3635625.90 1.13713
503571.98 3635625.90 1.16147 503621.98
3635625.90 1.17034
503671.98 3635625.90 1.18367 503721.98
3635625.90 1.19471
503771.98 3635625.90 1.20498 503821.98
3635625.90 1.21004
503871.98 3635625.90 1.20444 503921.98
3635625.90 1.21389
503971.98 3635625.90 1.22083 504021.98
3635625.90 1.20780
504071.98 3635625.90 1.20380 504121.98
3635625.90 1.19702
504171.98 3635625.90 1.18792 504221.98
3635625.90 1.17645
504271.98 3635625.90 1.16320 504321.98

```
3635625.90        1.14844
         504371.98    3635625.90        1.13101                      504421.98
3635625.90        1.11159
         504471.98    3635625.90        1.09101                      504521.98
3635625.90        1.06885
         504571.98    3635625.90        1.04584                      504621.98
3635625.90        1.02153
         504671.98    3635625.90        0.99687                      504721.98
3635625.90        0.97159
         504771.98    3635625.90        0.98667                      504821.98
3635625.90        0.96328
         504871.98    3635625.90        0.93189                      504921.98
3635625.90        0.87070
         504971.98    3635625.90        0.88130                      505021.98
3635625.90        0.82298
         505071.98    3635625.90        0.79808                      505121.98
3635625.90        0.80960
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 107
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         505171.98    3635625.90        0.77575                      505221.98
3635625.90        0.74439
         502221.98    3635675.90        0.48626                      502271.98
3635675.90        0.50808
         502321.98    3635675.90        0.52385                      502371.98
3635675.90        0.54157
         502421.98    3635675.90        0.55625                      502471.98
3635675.90        0.57405
```

```
         502521.98    3635675.90        0.59306                    502571.98
3635675.90        0.61526
         502621.98    3635675.90        0.63708                    502671.98
3635675.90        0.65760
         502721.98    3635675.90        0.67585                    502771.98
3635675.90        0.69291
         502821.98    3635675.90        0.71552                    502871.98
3635675.90        0.73861
         502921.98    3635675.90        0.75673                    502971.98
3635675.90        0.78571
         503021.98    3635675.90        0.80958                    503071.98
3635675.90        0.83678
         503121.98    3635675.90        0.86263                    503171.98
3635675.90        0.88875
         503221.98    3635675.90        0.91776                    503271.98
3635675.90        0.94490
         503321.98    3635675.90        0.97089                    503371.98
3635675.90        0.99676
         503421.98    3635675.90        1.02246                    503471.98
3635675.90        1.04978
         503521.98    3635675.90        1.07835                    503571.98
3635675.90        1.10403
         503621.98    3635675.90        1.11694                    503671.98
3635675.90        1.12378
         503721.98    3635675.90        1.14007                    503771.98
3635675.90        1.15074
         503821.98    3635675.90        1.14788                    503871.98
3635675.90        1.14065
         503921.98    3635675.90        1.15222                    503971.98
3635675.90        1.15129
         504021.98    3635675.90        1.13586                    504071.98
3635675.90        1.13018
         504121.98    3635675.90        1.12460                    504171.98
3635675.90        1.11674
         504221.98    3635675.90        1.10685                    504271.98
3635675.90        1.09506
         504321.98    3635675.90        1.08182                    504371.98
3635675.90        1.06702
         504421.98    3635675.90        1.05025                    504471.98
3635675.90        1.03165
         504521.98    3635675.90        1.01183                    504571.98
3635675.90        0.99169
         504621.98    3635675.90        0.96988                    504671.98
3635675.90        0.94816
         504721.98    3635675.90        0.92578                    504771.98
3635675.90        0.96355
         504821.98    3635675.90        0.92092                    504871.98
3635675.90        0.89202
         504921.98    3635675.90        0.83456                    504971.98
3635675.90        0.84725
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503071.98	3635725.90	0.79871	503121.98	3635725.90	0.82039
503171.98	3635725.90	0.84482	503221.98		

3635725.90 0.87526
503271.98 3635725.90 0.89986 503321.98
3635725.90 0.92272
503371.98 3635725.90 0.94611 503421.98
3635725.90 0.97283
503471.98 3635725.90 0.99819 503521.98
3635725.90 1.02502
503571.98 3635725.90 1.04643 503621.98
3635725.90 1.06557
503671.98 3635725.90 1.06817 503721.98
3635725.90 1.08495
503771.98 3635725.90 1.09332 503821.98
3635725.90 1.08807
503871.98 3635725.90 1.08147 503921.98
3635725.90 1.08866
503971.98 3635725.90 1.09111 504021.98
3635725.90 1.07528
504071.98 3635725.90 1.07540 504121.98
3635725.90 1.05871
504171.98 3635725.90 1.05187 504221.98
3635725.90 1.08026
504271.98 3635725.90 1.07600 504321.98
3635725.90 1.02131
504371.98 3635725.90 1.00809 504421.98
3635725.90 0.99357
504471.98 3635725.90 0.97709 504521.98
3635725.90 0.97129
504571.98 3635725.90 0.94155 504621.98
3635725.90 0.92231
504671.98 3635725.90 0.91235 504721.98
3635725.90 0.88275
504771.98 3635725.90 0.86236 504821.98
3635725.90 0.85172
504871.98 3635725.90 0.82099 504921.98
3635725.90 0.80034
504971.98 3635725.90 0.81426 505021.98
3635725.90 0.79716
505071.98 3635725.90 0.76601 505121.98
3635725.90 0.75765
505171.98 3635725.90 0.73510 505221.98
3635725.90 0.70891
502221.98 3635775.90 0.45269 502271.98
3635775.90 0.47707
502321.98 3635775.90 0.49348 502371.98
3635775.90 0.51173
502421.98 3635775.90 0.52511 502471.98
3635775.90 0.54089
502521.98 3635775.90 0.55682 502571.98
3635775.90 0.57531
502621.98 3635775.90 0.59361 502671.98

3635775.90   0.61153
         502721.98   3635775.90   0.63218   502771.98
3635775.90   0.65088
         502821.98   3635775.90   0.66878   502871.98
3635775.90   0.68719
         502921.98   3635775.90   0.70078   502971.98
3635775.90   0.72377
         503021.98   3635775.90   0.73960   503071.98
3635775.90   0.76265
         503121.98   3635775.90   0.78382   503171.98
3635775.90   0.80883
         503221.98   3635775.90   0.80453   503271.98
3635775.90   0.81111
         503321.98   3635775.90   0.84509   503371.98
3635775.90   0.89083
         503421.98   3635775.90   0.92310   503471.98
3635775.90   0.94875
         503521.98   3635775.90   0.96961   503571.98
3635775.90   1.00066
         503621.98   3635775.90   1.02213   503671.98
3635775.90   1.02614
         503721.98   3635775.90   1.02626   503771.98
3635775.90   1.03761
         503821.98   3635775.90   1.03891   503871.98
3635775.90   1.04424
         503921.98   3635775.90   1.05983   503971.98
3635775.90   1.05236

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                 INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                 L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         503371.98    3635825.90        0.84738                       503421.98
3635825.90        0.87502
         503471.98    3635825.90        0.90172                       503521.98
3635825.90        0.89076
         503571.98    3635825.90        0.92732                       503621.98
3635825.90        0.97054
         503671.98    3635825.90        0.98843                       503721.98
3635825.90        0.98864
         503771.98    3635825.90        0.98723                       503821.98
3635825.90        0.99418
         503871.98    3635825.90        0.99794                       503921.98
3635825.90        1.00507
         503971.98    3635825.90        1.00979                       504021.98
3635825.90        0.98018
         504071.98    3635825.90        1.00929                       504121.98
3635825.90        1.01644
         504171.98    3635825.90        1.00039                       504221.98
3635825.90        1.00333
         504271.98    3635825.90        1.01819                       504321.98
3635825.90        0.99332
         504371.98    3635825.90        0.96321                       504421.98
3635825.90        0.94427
         504471.98    3635825.90        0.93992                       504521.98
3635825.90        0.93695
         504571.98    3635825.90        0.90726                       504621.98
3635825.90        0.89230
         504671.98    3635825.90        0.83610                       504721.98
3635825.90        0.80512
         504771.98    3635825.90        0.78841                       504821.98
3635825.90        0.77470
         504871.98    3635825.90        0.77404                       504921.98
3635825.90        0.74853
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 110
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504971.98	3635825.90	0.75090	505021.98	3635825.90	0.73470
505071.98	3635825.90	0.71971	505121.98	3635825.90	0.70068
505171.98	3635825.90	0.68733	505221.98	3635825.90	0.67093
502221.98	3635875.90	0.42827	502271.98	3635875.90	0.45204
502321.98	3635875.90	0.46897	502371.98	3635875.90	0.48446
502421.98	3635875.90	0.49649	502471.98	3635875.90	0.51083
502521.98	3635875.90	0.52408	502571.98	3635875.90	0.54085
502621.98	3635875.90	0.55540	502671.98	3635875.90	0.57236
502721.98	3635875.90	0.59055	502771.98	3635875.90	0.60885
502821.98	3635875.90	0.62522	502871.98	3635875.90	0.64221
502921.98	3635875.90	0.65212	502971.98	3635875.90	0.67217
503021.98	3635875.90	0.67668	503071.98	3635875.90	0.69036
503121.98	3635875.90	0.70978	503171.98	3635875.90	0.73350
503221.98	3635875.90	0.74289	503271.98	3635875.90	0.74781
503321.98	3635875.90	0.78462	503371.98	3635875.90	0.80514
503421.98	3635875.90	0.83250	503471.98	3635875.90	0.85188
503521.98	3635875.90	0.80158	503571.98	3635875.90	0.87957
503621.98	3635875.90	0.92620	503671.98	3635875.90	0.93942
503721.98	3635875.90	0.94161	503771.98	3635875.90	0.94381
503821.98	3635875.90	0.95220	503871.98	3635875.90	0.96429
503921.98	3635875.90	0.96233	503971.98	3635875.90	0.96156
504021.98	3635875.90	0.94692	504071.98		

```
3635875.90        0.97038
         504121.98    3635875.90        0.97661                          504171.98
3635875.90        0.97561
         504221.98    3635875.90        0.99023                          504271.98
3635875.90        0.99689
         504321.98    3635875.90        0.97638                          504371.98
3635875.90        0.95633
         504421.98    3635875.90        0.94380                          504471.98
3635875.90        0.91291
         504521.98    3635875.90        0.89651                          504571.98
3635875.90        0.87944
         504621.98    3635875.90        0.86164                          504671.98
3635875.90        0.83936
         504721.98    3635875.90        0.77002                          504771.98
3635875.90        0.75486
         504821.98    3635875.90        0.75028                          504871.98
3635875.90        0.73687
         504921.98    3635875.90        0.72617                          504971.98
3635875.90        0.72847
         505021.98    3635875.90        0.70658                          505071.98
3635875.90        0.68815
         505121.98    3635875.90        0.67630                          505171.98
3635875.90        0.66263
         505221.98    3635875.90        0.65037                          502221.98
3635925.90        0.41669
         502271.98    3635925.90        0.43968                          502321.98
3635925.90        0.45530
         502371.98    3635925.90        0.47175                          502421.98
3635925.90        0.48307
         502471.98    3635925.90        0.49648                          502521.98
3635925.90        0.50752
         502571.98    3635925.90        0.52290                          502621.98
3635925.90        0.53771
         502671.98    3635925.90        0.55398                          502721.98
3635925.90        0.57155
         502771.98    3635925.90        0.58942                          502821.98
3635925.90        0.60444
```



```
                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
```

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502871.98	3635925.90	0.62116	502921.98	3635925.90	0.62978
502971.98	3635925.90	0.64604	503021.98	3635925.90	0.64978
503071.98	3635925.90	0.66054	503121.98	3635925.90	0.67851
503171.98	3635925.90	0.69626	503221.98	3635925.90	0.70817
503271.98	3635925.90	0.72552	503321.98	3635925.90	0.74916
503371.98	3635925.90	0.77127	503421.98	3635925.90	0.79253
503471.98	3635925.90	0.78556	503521.98	3635925.90	0.76784
503571.98	3635925.90	0.83136	503621.98	3635925.90	0.88561
503671.98	3635925.90	0.89633	503721.98	3635925.90	0.90346
503771.98	3635925.90	0.91098	503821.98	3635925.90	0.91455
503871.98	3635925.90	0.91309	503921.98	3635925.90	0.91444
503971.98	3635925.90	0.91749	504021.98	3635925.90	0.91253
504071.98	3635925.90	0.92311	504121.98	3635925.90	0.93658
504171.98	3635925.90	0.94919	504221.98	3635925.90	0.96479
504271.98	3635925.90	0.96135	504321.98	3635925.90	0.95068
504371.98	3635925.90	0.94725	504421.98	3635925.90	0.94073
504471.98	3635925.90	0.92050	504521.98	3635925.90	0.88981
504571.98	3635925.90	0.85691	504621.98	3635925.90	0.82309
504671.98	3635925.90	0.81235	504721.98	3635925.90	0.78993

```
         504771.98    3635925.90        0.75750                      504821.98
3635925.90        0.70935
         504871.98    3635925.90        0.69824                      504921.98
3635925.90        0.68958
         504971.98    3635925.90        0.70522                      505021.98
3635925.90        0.69191
         505071.98    3635925.90        0.67607                      505121.98
3635925.90        0.65515
         505171.98    3635925.90        0.64013                      505221.98
3635925.90        0.63802
         502221.98    3635975.90        0.40267                      502271.98
3635975.90        0.42405
         502321.98    3635975.90        0.43967                      502371.98
3635975.90        0.45781
         502421.98    3635975.90        0.46878                      502471.98
3635975.90        0.48198
         502521.98    3635975.90        0.49292                      502571.98
3635975.90        0.50958
         502621.98    3635975.90        0.52343                      502671.98
3635975.90        0.53715
         502721.98    3635975.90        0.55349                      502771.98
3635975.90        0.56992
         502821.98    3635975.90        0.58450                      502871.98
3635975.90        0.60115
         502921.98    3635975.90        0.60932                      502971.98
3635975.90        0.62404
         503021.98    3635975.90        0.62609                      503071.98
3635975.90        0.63928
         503121.98    3635975.90        0.65139                      503171.98
3635975.90        0.66682
         503221.98    3635975.90        0.68096                      503271.98
3635975.90        0.70094
         503321.98    3635975.90        0.71945                      503371.98
3635975.90        0.74490
         503421.98    3635975.90        0.73784                      503471.98
3635975.90        0.73567
         503521.98    3635975.90        0.76652                      503571.98
3635975.90        0.82372
         503621.98    3635975.90        0.84608                      503671.98
3635975.90        0.85811
         503721.98    3635975.90        0.86673                      503771.98
3635975.90        0.87374
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 112
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503821.98	3635975.90	0.87589	503871.98	3635975.90	0.87145
503921.98	3635975.90	0.87164	503971.98	3635975.90	0.87382
504021.98	3635975.90	0.88042	504071.98	3635975.90	0.89319
504121.98	3635975.90	0.90739	504171.98	3635975.90	0.92113
504221.98	3635975.90	0.92929	504271.98	3635975.90	0.92758
504321.98	3635975.90	0.92848	504371.98	3635975.90	0.93191
504421.98	3635975.90	0.92759	504471.98	3635975.90	0.90967
504521.98	3635975.90	0.89537	504571.98	3635975.90	0.87421
504621.98	3635975.90	0.85855	504671.98	3635975.90	0.82180
504721.98	3635975.90	0.79611	504771.98	3635975.90	0.76430
504821.98	3635975.90	0.73065	504871.98	3635975.90	0.70642
504921.98	3635975.90	0.67371	504971.98	3635975.90	0.68176
505021.98	3635975.90	0.66921	505071.98	3635975.90	0.65507
505121.98	3635975.90	0.63789	505171.98	3635975.90	0.62353
505221.98	3635975.90	0.60653	501721.98	3632475.90	0.31343
501821.98	3632475.90	0.32732	501921.98	3632475.90	0.34193
502021.98	3632475.90	0.35731	502121.98		

```
3632475.90        0.37342
         502221.98    3632475.90        0.39032                      502321.98
3632475.90        0.40801
         502421.98    3632475.90        0.42637                      502521.98
3632475.90        0.44536
         502621.98    3632475.90        0.46476                      502721.98
3632475.90        0.48449
         502821.98    3632475.90        0.50441                      502921.98
3632475.90        0.47285
         503021.98    3632475.90        0.46747                      503121.98
3632475.90        0.44925
         503221.98    3632475.90        0.46982                      503321.98
3632475.90        0.43858
         503421.98    3632475.90        0.42735                      503721.98
3632475.90        0.41108
         503821.98    3632475.90        0.37573                      503921.98
3632475.90        0.34451
         504021.98    3632475.90        0.32201                      504121.98
3632475.90        0.31780
         504221.98    3632475.90        0.29847                      504321.98
3632475.90        0.29250
         504421.98    3632475.90        0.31639                      504521.98
3632475.90        0.33939
         504621.98    3632475.90        0.29717                      504721.98
3632475.90        0.28151
         504821.98    3632475.90        0.28093                      504921.98
3632475.90        0.27637
         505021.98    3632475.90        0.26843                      505121.98
3632475.90        0.27071
         505221.98    3632475.90        0.26554                      505321.98
3632475.90        0.26613
         505421.98    3632475.90        0.26770                      505521.98
3632475.90        0.26908
         505621.98    3632475.90        0.27448                      505721.98
3632475.90        0.28605
         501721.98    3632575.90        0.32511                      501821.98
3632575.90        0.34018
         501921.98    3632575.90        0.35611                      502021.98
3632575.90        0.37296
         502121.98    3632575.90        0.39071                      502221.98
3632575.90        0.40940
         502321.98    3632575.90        0.42905                      502421.98
3632575.90        0.44960
         502521.98    3632575.90        0.47098                      502621.98
3632575.90        0.49310
         502721.98    3632575.90        0.51565                      502821.98
3632575.90        0.53869
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502921.98	3632575.90	0.55193	503021.98	3632575.90	0.51137
503121.98	3632575.90	0.51042	503221.98	3632575.90	0.50189
503321.98	3632575.90	0.47795	503421.98	3632575.90	0.45488
503721.98	3632575.90	0.42183	503821.98	3632575.90	0.38325
503921.98	3632575.90	0.30331	504021.98	3632575.90	0.28769
504121.98	3632575.90	0.28893	504221.98	3632575.90	0.28956
504321.98	3632575.90	0.28758	504421.98	3632575.90	0.30023
504521.98	3632575.90	0.33209	504621.98	3632575.90	0.32100
504721.98	3632575.90	0.29280	504821.98	3632575.90	0.29625
504921.98	3632575.90	0.29137	505021.98	3632575.90	0.28452
505121.98	3632575.90	0.28951	505221.98	3632575.90	0.29209
505321.98	3632575.90	0.29266	505421.98	3632575.90	0.29534
505521.98	3632575.90	0.29722	505621.98	3632575.90	0.30608
505721.98	3632575.90	0.31322	501721.98	3632675.90	0.33707

```
        501821.98    3632675.90        0.35341                    501921.98
3632675.90        0.37080
        502021.98    3632675.90        0.38929                    502121.98
3632675.90        0.40880
        502221.98    3632675.90        0.42942                    502321.98
3632675.90        0.45132
        502421.98    3632675.90        0.47435                    502521.98
3632675.90        0.49849
        502621.98    3632675.90        0.52360                    502721.98
3632675.90        0.54957
        502821.98    3632675.90        0.52051                    502921.98
3632675.90        0.50493
        503021.98    3632675.90        0.50183                    503721.98
3632675.90        0.45249
        503821.98    3632675.90        0.42216                    503921.98
3632675.90        0.37970
        504021.98    3632675.90        0.33152                    504121.98
3632675.90        0.31349
        504221.98    3632675.90        0.30899                    504321.98
3632675.90        0.31181
        504421.98    3632675.90        0.32037                    504521.98
3632675.90        0.32849
        504621.98    3632675.90        0.32423                    504721.98
3632675.90        0.31803
        504821.98    3632675.90        0.31939                    504921.98
3632675.90        0.31496
        505021.98    3632675.90        0.31260                    505121.98
3632675.90        0.31785
        505221.98    3632675.90        0.32051                    505321.98
3632675.90        0.31946
        505421.98    3632675.90        0.32392                    505521.98
3632675.90        0.33417
        505621.98    3632675.90        0.34043                    505721.98
3632675.90        0.33337
        502421.98    3632775.90        0.50025                    502521.98
3632775.90        0.46858
        502621.98    3632775.90        0.50871                    502721.98
3632775.90        0.58634
        502821.98    3632775.90        0.53312                    502921.98
3632775.90        0.44416
        503021.98    3632775.90        0.41204                    503121.98
3632775.90        0.46526
        503221.98    3632775.90        0.51284                    503621.98
3632775.90        0.52384
        503721.98    3632775.90        0.50000                    503821.98
3632775.90        0.43570
        503921.98    3632775.90        0.42688                    504021.98
3632775.90        0.41451
        504121.98    3632775.90        0.37577                    504221.98
3632775.90        0.35124
```

```
         504321.98    3632775.90        0.34570                      504421.98
3632775.90        0.34973
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         504521.98    3632775.90        0.35176                      504621.98
3632775.90        0.34746
         504721.98    3632775.90        0.34677                      504821.98
3632775.90        0.34577
         504921.98    3632775.90        0.34546                      505021.98
3632775.90        0.34852
         505121.98    3632775.90        0.35270                      505221.98
3632775.90        0.35206
         505321.98    3632775.90        0.35307                      505421.98
3632775.90        0.36255
         505521.98    3632775.90        0.37350                      505621.98
3632775.90        0.37509
         505721.98    3632775.90        0.36624                      501721.98
3632875.90        0.36179
         501821.98    3632875.90        0.38102                      501921.98
3632875.90        0.40161
         502021.98    3632875.90        0.42363                      502121.98
3632875.90        0.44728
         502221.98    3632875.90        0.47240                      502321.98
3632875.90        0.49947
         502421.98    3632875.90        0.52851                      502521.98
3632875.90        0.55933
         502621.98    3632875.90        0.59197                      502721.98
```

3632875.90 0.62623
502821.98 3632875.90 0.57377 502921.98 3632875.90 0.44010
503021.98 3632875.90 0.32782 503121.98 3632875.90 0.41743
503221.98 3632875.90 0.59401 503321.98 3632875.90 0.61790
503421.98 3632875.90 0.60889 503621.98 3632875.90 0.57221
503721.98 3632875.90 0.54224 503821.98 3632875.90 0.46347
503921.98 3632875.90 0.40025 504021.98 3632875.90 0.39720
504121.98 3632875.90 0.39469 504221.98 3632875.90 0.38252
504321.98 3632875.90 0.38489 504421.98 3632875.90 0.38467
504521.98 3632875.90 0.38342 504621.98 3632875.90 0.38024
504721.98 3632875.90 0.38228 504821.98 3632875.90 0.38155
504921.98 3632875.90 0.38523 505021.98 3632875.90 0.39154
505121.98 3632875.90 0.39184 505221.98 3632875.90 0.39192
505321.98 3632875.90 0.39930 505421.98 3632875.90 0.41227
505521.98 3632875.90 0.41084 505621.98 3632875.90 0.41085
505721.98 3632875.90 0.39925 501721.98 3632975.90 0.37416
501821.98 3632975.90 0.39501 501921.98 3632975.90 0.41745
502021.98 3632975.90 0.44162 502121.98 3632975.90 0.46758
505321.98 3632975.90 0.45907 505421.98 3632975.90 0.45907
505521.98 3632975.90 0.45878 505621.98 3632975.90 0.45127
505721.98 3632975.90 0.43444 501721.98 3633075.90 0.38642
501821.98 3633075.90 0.40884 501921.98 3633075.90 0.43329
502021.98 3633075.90 0.45967 502121.98 3633075.90 0.48834
505321.98 3633075.90 0.51273 505421.98 3633075.90 0.51440
505521.98 3633075.90 0.51069 505621.98 3633075.90 0.49546
505721.98 3633075.90 0.46802 501721.98

```
3633175.90        0.39859
         501821.98    3633175.90        0.42270                      501921.98
3633175.90        0.44899
         502021.98    3633175.90        0.47782                      502121.98
3633175.90        0.50881
         505321.98    3633175.90        0.57391                      505421.98
3633175.90        0.56559
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                            *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         505521.98    3633175.90        0.55754                      505621.98
3633175.90        0.54175
         505721.98    3633175.90        0.50475                      501721.98
3633275.90        0.41059
         501821.98    3633275.90        0.43659                      501921.98
3633275.90        0.46488
         502021.98    3633275.90        0.49604                      502121.98
3633275.90        0.52986
         505321.98    3633275.90        0.64394                      505421.98
3633275.90        0.61548
         505521.98    3633275.90        0.60099                      505621.98
3633275.90        0.58517
         505721.98    3633275.90        0.54785                      501721.98
3633375.90        0.42228
         501821.98    3633375.90        0.44991                      501921.98
3633375.90        0.48022
         502021.98    3633375.90        0.51373                      502121.98
3633375.90        0.55083
```

505321.98 3633375.90 0.71978 505421.98 3633375.90 0.66609
505521.98 3633375.90 0.63687 505621.98 3633375.90 0.62399
505721.98 3633375.90 0.58502 501721.98 3633475.90 0.43371
501821.98 3633475.90 0.46306 501921.98 3633475.90 0.49564
502021.98 3633475.90 0.53162 502121.98 3633475.90 0.57122
505321.98 3633475.90 0.78554 505421.98 3633475.90 0.71907
505521.98 3633475.90 0.67804 505621.98 3633475.90 0.63373
505721.98 3633475.90 0.59075 501721.98 3633575.90 0.44459
501821.98 3633575.90 0.47570 501921.98 3633575.90 0.51012
502021.98 3633575.90 0.54840 502121.98 3633575.90 0.59227
505321.98 3633575.90 0.83672 505421.98 3633575.90 0.73863
505521.98 3633575.90 0.67835 505621.98 3633575.90 0.63789
505721.98 3633575.90 0.60243 501721.98 3633675.90 0.45490
501821.98 3633675.90 0.48735 501921.98 3633675.90 0.52391
502021.98 3633675.90 0.56488 502121.98 3633675.90 0.61139
505321.98 3633675.90 0.83330 505421.98 3633675.90 0.72863
505521.98 3633675.90 0.68265 505621.98 3633675.90 0.65336
505721.98 3633675.90 0.63075 501721.98 3633775.90 0.46447
501821.98 3633775.90 0.49845 501921.98 3633775.90 0.53664
502021.98 3633775.90 0.57967 502121.98 3633775.90 0.62821
505321.98 3633775.90 0.85768 505421.98 3633775.90 0.77398
505521.98 3633775.90 0.70671 505621.98 3633775.90 0.66217
505721.98 3633775.90 0.62822 501721.98 3633875.90 0.47286
501821.98 3633875.90 0.50862 501921.98 3633875.90 0.54749
502021.98 3633875.90 0.59331 502121.98 3633875.90 0.64425

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505321.98	3633875.90	0.87357	505421.98	3633875.90	0.77767
505521.98	3633875.90	0.68794	505621.98	3633875.90	0.61548
505721.98	3633875.90	0.58305	501721.98	3633975.90	0.48006
501821.98	3633975.90	0.51677	501921.98	3633975.90	0.55813
502021.98	3633975.90	0.60479	502121.98	3633975.90	0.65856
505321.98	3633975.90	0.79973	505421.98	3633975.90	0.70967
505521.98	3633975.90	0.63548	505621.98	3633975.90	0.58020
505721.98	3633975.90	0.55133	501721.98	3634075.90	0.48574
501821.98	3634075.90	0.52350	501921.98	3634075.90	0.56607
502021.98	3634075.90	0.61430	502121.98	3634075.90	0.66936
505321.98	3634075.90	0.74608	505421.98	3634075.90	0.68547
505521.98	3634075.90	0.65376	505621.98	3634075.90	0.61180
505721.98	3634075.90	0.55043	501721.98		

3634175.90 0.48925
501821.98 3634175.90 0.52834 501921.98 3634175.90 0.57194
502021.98 3634175.90 0.61973 502121.98 3634175.90 0.67689
505321.98 3634175.90 0.80283 505421.98 3634175.90 0.74514
505521.98 3634175.90 0.69344 505621.98 3634175.90 0.59861
505721.98 3634175.90 0.52412 501721.98 3634275.90 0.49192
501821.98 3634275.90 0.53051 501921.98 3634275.90 0.57417
502021.98 3634275.90 0.62356 502121.98 3634275.90 0.68061
505321.98 3634275.90 0.88365 505421.98 3634275.90 0.81384
505521.98 3634275.90 0.65627 505621.98 3634275.90 0.58135
505721.98 3634275.90 0.51081 501721.98 3634375.90 0.49443
501821.98 3634375.90 0.53389 501921.98 3634375.90 0.57705
502021.98 3634375.90 0.62683 502121.98 3634375.90 0.68539
505321.98 3634375.90 0.95618 505421.98 3634375.90 0.84875
505521.98 3634375.90 0.65709 505621.98 3634375.90 0.56928
505721.98 3634375.90 0.51525 501721.98 3634475.90 0.49514
501821.98 3634475.90 0.53457 501921.98 3634475.90 0.57887
502021.98 3634475.90 0.62980 502121.98 3634475.90 0.68698
505321.98 3634475.90 0.95422 505421.98 3634475.90 0.98839
505521.98 3634475.90 0.77312 505621.98 3634475.90 0.62812
505721.98 3634475.90 0.52902 501721.98 3634575.90 0.49378
501821.98 3634575.90 0.53235 501921.98 3634575.90 0.57607
502021.98 3634575.90 0.62626 502121.98 3634575.90 0.68375
505321.98 3634575.90 0.91744 505421.98 3634575.90 1.01999
505521.98 3634575.90 0.88760 505621.98 3634575.90 0.66632
505721.98 3634575.90 0.55019 501721.98

3634675.90   0.49098
         501821.98   3634675.90   0.52925   501921.98
3634675.90   0.57204
         502021.98   3634675.90   0.62098   502121.98
3634675.90   0.67495
         505321.98   3634675.90   0.88533   505421.98
3634675.90   0.98708
         505521.98   3634675.90   0.96697   505621.98
3634675.90   0.79889
         505721.98   3634675.90   0.61894   501721.98
3634775.90   0.48590
         501821.98   3634775.90   0.52321   501921.98
3634775.90   0.56430
         502021.98   3634775.90   0.61171   502121.98
3634775.90   0.66482
         505321.98   3634775.90   0.83200   505421.98
3634775.90   1.01342

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                  INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

505321.98 3634875.90 0.86377 505421.98
3634875.90 0.95981
505521.98 3634875.90 0.88213 505621.98
3634875.90 0.81395
505721.98 3634875.90 0.74745 501721.98
3634975.90 0.47006
501821.98 3634975.90 0.50386 501921.98
3634975.90 0.54122
502021.98 3634975.90 0.58333 502121.98
3634975.90 0.63093
505321.98 3634975.90 0.90285 505421.98
3634975.90 0.90644
505521.98 3634975.90 0.83318 505621.98
3634975.90 0.76906
505721.98 3634975.90 0.71376 501721.98
3635075.90 0.45917
501821.98 3635075.90 0.49118 501921.98
3635075.90 0.61222
502021.98 3635075.90 0.64228 502121.98
3635075.90 0.61051
505321.98 3635075.90 0.90701 505421.98
3635075.90 0.85855
505521.98 3635075.90 0.79062 505621.98
3635075.90 0.72931
505721.98 3635075.90 0.67777 501721.98
3635175.90 0.51885
501821.98 3635175.90 0.54099 501921.98
3635175.90 0.59062
502021.98 3635175.90 0.61432 502121.98
3635175.90 0.58872
505321.98 3635175.90 0.87971 505421.98
3635175.90 0.81056
505521.98 3635175.90 0.74852 505621.98
3635175.90 0.69415
505721.98 3635175.90 0.64615 501721.98
3635275.90 0.50490
501821.98 3635275.90 0.52811 501921.98
3635275.90 0.55268
502021.98 3635275.90 0.57915 502121.98
3635275.90 0.59952
505621.98 3635275.90 0.65723 505721.98
3635275.90 0.61356
501721.98 3635375.90 0.46230 501821.98
3635375.90 0.48745
501921.98 3635375.90 0.51100 502021.98
3635375.90 0.53719
502121.98 3635375.90 0.56769 505621.98
3635375.90 0.63475
501721.98 3635475.90 0.42127 501821.98
3635475.90 0.44373

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929
, L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937
,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3635675.90	0.58455	505621.98	3635675.90	0.55040
505721.98	3635675.90	0.51869	501721.98		

3635775.90 0.33253
501821.98 3635775.90 0.36094 501921.98
3635775.90 0.38653
502021.98 3635775.90 0.40738 502121.98
3635775.90 0.42896
505321.98 3635775.90 0.65030 505421.98
3635775.90 0.60844
505521.98 3635775.90 0.56562 505621.98
3635775.90 0.52496
505721.98 3635775.90 0.49533 501721.98
3635875.90 0.30669
501821.98 3635875.90 0.33521 501921.98
3635875.90 0.36218
502021.98 3635875.90 0.38040 502121.98
3635875.90 0.40238
505321.98 3635875.90 0.63427 505421.98
3635875.90 0.58059
505521.98 3635875.90 0.54565 505621.98
3635875.90 0.50974
505721.98 3635875.90 0.47917 501721.98
3635975.90 0.28914
501821.98 3635975.90 0.31717 501921.98
3635975.90 0.34038
502021.98 3635975.90 0.35623 502121.98
3635975.90 0.37712
505321.98 3635975.90 0.58707 505421.98
3635975.90 0.55344
505521.98 3635975.90 0.52254 505621.98
3635975.90 0.49547
505721.98 3635975.90 0.46178 501721.98
3636075.90 0.27908
501821.98 3636075.90 0.29800 501921.98
3636075.90 0.31874
502021.98 3636075.90 0.33476 502121.98
3636075.90 0.35558
502221.98 3636075.90 0.38164 502321.98
3636075.90 0.41356
502421.98 3636075.90 0.44207 502521.98
3636075.90 0.46571
502621.98 3636075.90 0.49138 502721.98
3636075.90 0.52118
502821.98 3636075.90 0.54947 502921.98
3636075.90 0.57054
503021.98 3636075.90 0.58935 503121.98
3636075.90 0.59406
503221.98 3636075.90 0.63143 503321.98
3636075.90 0.66937
503421.98 3636075.90 0.70249 503521.98
3636075.90 0.74335
503621.98 3636075.90 0.77467 503721.98

3636075.90   0.79632
         503821.98   3636075.90   0.80940   503921.98
3636075.90   0.81534
         504021.98   3636075.90   0.82067   504121.98
3636075.90   0.83453
         504221.98   3636075.90   0.84352   504321.98
3636075.90   0.85360
         504421.98   3636075.90   0.85086   504521.98
3636075.90   0.83787
         504621.98   3636075.90   0.83163   504721.98
3636075.90   0.79967
         504821.98   3636075.90   0.73231   504921.98
3636075.90   0.66879
         505021.98   3636075.90   0.63487   505121.98
3636075.90   0.59976
         505221.98   3636075.90   0.57077   505321.98
3636075.90   0.55010
         505421.98   3636075.90   0.51784   505521.98
3636075.90   0.50221
         505621.98   3636075.90   0.47692   505721.98
3636075.90   0.44909
         501721.98   3636175.90   0.26079   501821.98
3636175.90   0.27923
         501921.98   3636175.90   0.30092   502021.98
3636175.90   0.31768
         502121.98   3636175.90   0.33795   502221.98
3636175.90   0.36403

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                 INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

- - - -

```
         503021.98    3636275.90        0.50989                       503121.98
3636275.90        0.51244
         503221.98    3636275.90        0.51639                       503321.98
3636275.90        0.54419
         503421.98    3636275.90        0.58407                       503521.98
3636275.90        0.61835
         503621.98    3636275.90        0.64412                       503721.98
3636275.90        0.66234
         503821.98    3636275.90        0.67156                       503921.98
3636275.90        0.66679
         504021.98    3636275.90        0.65518                       504121.98
3636275.90        0.64110
         504221.98    3636275.90        0.58753                       504321.98
3636275.90        0.47507
         504421.98    3636275.90        0.46146                       504521.98
3636275.90        0.45475
         504621.98    3636275.90        0.50553                       504721.98
3636275.90        0.58309
         504821.98    3636275.90        0.53603                       504921.98
3636275.90        0.62828
         505021.98    3636275.90        0.59680                       505121.98
3636275.90        0.54203
         505221.98    3636275.90        0.51665                       505321.98
3636275.90        0.50163
         505421.98    3636275.90        0.48437                       505521.98
3636275.90        0.45892
         505621.98    3636275.90        0.44171                       505721.98
3636275.90        0.42499
         501721.98    3636375.90        0.23844                       501821.98
3636375.90        0.25542
         501921.98    3636375.90        0.27706                       502021.98
3636375.90        0.29546
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER    ***
                                   INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502121.98	3636375.90	0.31719	502221.98	3636375.90	0.33735
502321.98	3636375.90	0.35709	502421.98	3636375.90	0.38104
502521.98	3636375.90	0.40222	502621.98	3636375.90	0.42186
502721.98	3636375.90	0.43376	502821.98	3636375.90	0.44279
502921.98	3636375.90	0.45173	503021.98	3636375.90	0.46150
503121.98	3636375.90	0.46174	503221.98	3636375.90	0.45745
503321.98	3636375.90	0.47856	503421.98	3636375.90	0.52990
503521.98	3636375.90	0.55856	503621.98	3636375.90	0.57877
503721.98	3636375.90	0.59945	503821.98	3636375.90	0.61021
503921.98	3636375.90	0.58798	504021.98	3636375.90	0.57172
504121.98	3636375.90	0.54423	504221.98	3636375.90	0.47870
504321.98	3636375.90	0.41882	504421.98	3636375.90	0.40188
504521.98	3636375.90	0.40723	504621.98	3636375.90	0.43654
504721.98	3636375.90	0.47382	504821.98	3636375.90	0.44210
504921.98	3636375.90	0.44351	505021.98	3636375.90	0.55980
505121.98	3636375.90	0.53408	505221.98	3636375.90	0.50660
505321.98	3636375.90	0.48352	505421.98	3636375.90	0.46045
505521.98	3636375.90	0.44264	505621.98	3636375.90	0.42577
505721.98	3636375.90	0.41054	501721.98	3636475.90	0.22352
501821.98	3636475.90	0.24110	501921.98	3636475.90	0.26654
502021.98	3636475.90	0.28177	502121.98	3636475.90	0.29908
502221.98	3636475.90	0.31979	502321.98		

3636475.90   0.34269
         502421.98   3636475.90   0.36536   502521.98
3636475.90   0.38297
         502621.98   3636475.90   0.39810   502721.98
3636475.90   0.40715
         502821.98   3636475.90   0.40715   502921.98
3636475.90   0.41432
         503021.98   3636475.90   0.41683   503121.98
3636475.90   0.41134
         503221.98   3636475.90   0.40648   503321.98
3636475.90   0.43302
         503421.98   3636475.90   0.47061   503521.98
3636475.90   0.50073
         503621.98   3636475.90   0.51895   503721.98
3636475.90   0.54124
         503821.98   3636475.90   0.53842   503921.98
3636475.90   0.51615
         504021.98   3636475.90   0.42634   504121.98
3636475.90   0.44453
         504221.98   3636475.90   0.44228   504321.98
3636475.90   0.38128
         504421.98   3636475.90   0.36574   504521.98
3636475.90   0.36869
         504621.98   3636475.90   0.37758   504721.98
3636475.90   0.38515
         504821.98   3636475.90   0.38632   504921.98
3636475.90   0.41126
         505021.98   3636475.90   0.50884   505121.98
3636475.90   0.51414
         505221.98   3636475.90   0.48731   505321.98
3636475.90   0.46422
         505421.98   3636475.90   0.43976   505521.98
3636475.90   0.42216
         505621.98   3636475.90   0.40765   505721.98
3636475.90   0.39309

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633475.90	0.27176	502771.98	3633475.90	0.27899
502821.98	3633475.90	0.28573	502871.98	3633475.90	0.29400
502921.98	3633475.90	0.29368	502971.98	3633475.90	0.30099
503021.98	3633475.90	0.31050	503071.98	3633475.90	0.31399
503121.98	3633475.90	0.32632	503171.98	3633475.90	0.33812
503221.98	3633475.90	0.32969	503271.98	3633475.90	0.33236
503321.98	3633475.90	0.32457	503371.98	3633475.90	0.32888
503421.98	3633475.90	0.33658	503471.98	3633475.90	0.34395
503521.98	3633475.90	0.35038	503621.98	3633475.90	0.37121
503671.98	3633475.90	0.39367	503721.98	3633475.90	0.40815
503771.98	3633475.90	0.41889	503821.98	3633475.90	0.42514
503871.98	3633475.90	0.43371	503921.98	3633475.90	0.45182
503971.98	3633475.90	0.46393	504021.98	3633475.90	0.46654
504071.98	3633475.90	0.47792	504121.98	3633475.90	0.49368
504171.98	3633475.90	0.48957	504221.98	3633475.90	0.49911
504271.98	3633475.90	0.51055	504321.98	3633475.90	0.51445
504371.98	3633475.90	0.48164	504421.98	3633475.90	0.43890
504471.98	3633475.90	0.40395	504521.98	3633475.90	0.38691
504571.98	3633475.90	0.39911	504621.98	3633475.90	0.41915
504671.98	3633475.90	0.42746	504721.98	3633475.90	0.44830
502721.98	3633525.90	0.27635	502771.98	3633525.90	0.28299
502821.98	3633525.90	0.29024	502871.98		

3633525.90   0.29969
         502921.98   3633525.90   0.30877   502971.98
3633525.90   0.31629
         503021.98   3633525.90   0.32401   503071.98
3633525.90   0.33200
         503121.98   3633525.90   0.33707   503171.98
3633525.90   0.34558
         503221.98   3633525.90   0.35600   503271.98
3633525.90   0.34229
         503321.98   3633525.90   0.34624   503371.98
3633525.90   0.33706
         503421.98   3633525.90   0.34279   503471.98
3633525.90   0.34982
         503521.98   3633525.90   0.35886   503621.98
3633525.90   0.37452
         503671.98   3633525.90   0.39252   503721.98
3633525.90   0.40642
         503771.98   3633525.90   0.43384   503821.98
3633525.90   0.45496
         503871.98   3633525.90   0.46757   503921.98
3633525.90   0.47792
         503971.98   3633525.90   0.49637   504021.98
3633525.90   0.50930
         504071.98   3633525.90   0.52258   504121.98
3633525.90   0.53412
         504171.98   3633525.90   0.54151   504221.98
3633525.90   0.54737
         504271.98   3633525.90   0.55201   504321.98
3633525.90   0.51637
         504371.98   3633525.90   0.48293   504421.98
3633525.90   0.44550
         504471.98   3633525.90   0.42005   504521.98
3633525.90   0.43395
         504571.98   3633525.90   0.46176   504621.98
3633525.90   0.48276
         504671.98   3633525.90   0.48285   504721.98
3633525.90   0.47566

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633575.90	0.28124	502771.98	3633575.90	0.28781
502821.98	3633575.90	0.29626	502871.98	3633575.90	0.30575
502921.98	3633575.90	0.31331	502971.98	3633575.90	0.32204
503021.98	3633575.90	0.33267	503071.98	3633575.90	0.34061
503121.98	3633575.90	0.34517	503171.98	3633575.90	0.35408
503221.98	3633575.90	0.36637	503271.98	3633575.90	0.36831
503321.98	3633575.90	0.35880	503371.98	3633575.90	0.35530
503421.98	3633575.90	0.35852	503471.98	3633575.90	0.36276
503521.98	3633575.90	0.37001	503621.98	3633575.90	0.38767
503671.98	3633575.90	0.39858	503721.98	3633575.90	0.40929
503771.98	3633575.90	0.43582	503821.98	3633575.90	0.46365
503871.98	3633575.90	0.47069	503921.98	3633575.90	0.48744
503971.98	3633575.90	0.51766	504021.98	3633575.90	0.53801
504071.98	3633575.90	0.55692	504121.98	3633575.90	0.56353
504171.98	3633575.90	0.57062	504221.98	3633575.90	0.57502
504271.98	3633575.90	0.59099	504321.98	3633575.90	0.54725
504371.98	3633575.90	0.51091	504421.98	3633575.90	0.46246
504471.98	3633575.90	0.45633	504521.98	3633575.90	0.49731
504571.98	3633575.90	0.54068	504621.98	3633575.90	0.52662
504671.98	3633575.90	0.51217	504721.98	3633575.90	0.50150
502721.98	3633625.90	0.28866	502771.98		

```
3633625.90        0.29531
         502821.98    3633625.90        0.30217                          502871.98
3633625.90        0.31015
         502921.98    3633625.90        0.31833                          502971.98
3633625.90        0.32838
         503021.98    3633625.90        0.33966                          503071.98
3633625.90        0.34605
         503121.98    3633625.90        0.35305                          503171.98
3633625.90        0.36335
         503221.98    3633625.90        0.37390                          503271.98
3633625.90        0.38181
         503321.98    3633625.90        0.37494                          503371.98
3633625.90        0.37459
         503421.98    3633625.90        0.37389                          503471.98
3633625.90        0.37713
         503521.98    3633625.90        0.38334                          503621.98
3633625.90        0.39795
         503671.98    3633625.90        0.41287                          503721.98
3633625.90        0.42180
         503771.98    3633625.90        0.45184                          503821.98
3633625.90        0.47158
         503871.98    3633625.90        0.48348                          503921.98
3633625.90        0.50893
         503971.98    3633625.90        0.53198                          504021.98
3633625.90        0.56189
         504071.98    3633625.90        0.58560                          504121.98
3633625.90        0.58569
         504171.98    3633625.90        0.59285                          504221.98
3633625.90        0.60878
         504271.98    3633625.90        0.63886                          504321.98
3633625.90        0.63237
         504371.98    3633625.90        0.57844                          504421.98
3633625.90        0.52957
         504471.98    3633625.90        0.51797                          504521.98
3633625.90        0.58713
         504571.98    3633625.90        0.59834                          504621.98
3633625.90        0.57797
         504671.98    3633625.90        0.58661                          504721.98
3633625.90        0.55191
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 123
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE     ***
                                  INCLUDING SOURCE(S):     FIRE        ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633675.90	0.29671	502771.98	3633675.90	0.30313
502821.98	3633675.90	0.30965	502871.98	3633675.90	0.31720
502921.98	3633675.90	0.32736	502971.98	3633675.90	0.33682
503021.98	3633675.90	0.34656	503071.98	3633675.90	0.35361
503121.98	3633675.90	0.36248	503171.98	3633675.90	0.37225
503221.98	3633675.90	0.38349	503271.98	3633675.90	0.39666
503321.98	3633675.90	0.39649	503371.98	3633675.90	0.40203
503421.98	3633675.90	0.40338	503471.98	3633675.90	0.40012
503521.98	3633675.90	0.40421	503571.98	3633675.90	0.40275
503671.98	3633675.90	0.42588	503721.98	3633675.90	0.43748
503771.98	3633675.90	0.45350	503821.98	3633675.90	0.47572
503871.98	3633675.90	0.50110	503921.98	3633675.90	0.52400
503971.98	3633675.90	0.55394	504021.98	3633675.90	0.58453
504071.98	3633675.90	0.60240	504121.98	3633675.90	0.60829
504171.98	3633675.90	0.61598	504221.98	3633675.90	0.63402
504271.98	3633675.90	0.67594	504321.98	3633675.90	0.70346
504371.98	3633675.90	0.66120	504421.98	3633675.90	0.62128
504471.98	3633675.90	0.64981	504521.98	3633675.90	0.68082
504571.98	3633675.90	0.66475	504621.98	3633675.90	0.65201
504671.98	3633675.90	0.63552	504721.98		

3633675.90   0.62071
         502721.98   3633725.90   0.30584   502771.98
3633725.90   0.31278
         502821.98   3633725.90   0.31890   502871.98
3633725.90   0.32729
         502921.98   3633725.90   0.33935   502971.98
3633725.90   0.34778
         503021.98   3633725.90   0.35290   503071.98
3633725.90   0.36318
         503121.98   3633725.90   0.37220   503171.98
3633725.90   0.38187
         503221.98   3633725.90   0.39326   503271.98
3633725.90   0.40345
         503321.98   3633725.90   0.41444   503371.98
3633725.90   0.42383
         503421.98   3633725.90   0.43307   503471.98
3633725.90   0.42022
         503521.98   3633725.90   0.42227   503571.98
3633725.90   0.42307
         503721.98   3633725.90   0.44658   503771.98
3633725.90   0.46633
         503821.98   3633725.90   0.48498   503871.98
3633725.90   0.51369
         503921.98   3633725.90   0.54170   503971.98
3633725.90   0.58158
         504021.98   3633725.90   0.61199   504071.98
3633725.90   0.62929
         504121.98   3633725.90   0.62688   504171.98
3633725.90   0.64481
         504221.98   3633725.90   0.67230   504271.98
3633725.90   0.69387
         504321.98   3633725.90   0.76666   504371.98
3633725.90   0.77006
         504421.98   3633725.90   0.75312   504471.98
3633725.90   0.76886
         504521.98   3633725.90   0.76653   504571.98
3633725.90   0.74461
         504621.98   3633725.90   0.76708   504671.98
3633725.90   0.74072
         504721.98   3633725.90   0.69528   502721.98
3633775.90   0.31536

VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502771.98	3633775.90	0.32287	502821.98	3633775.90	0.33009
502871.98	3633775.90	0.33781	502921.98	3633775.90	0.34906
502971.98	3633775.90	0.35977	503021.98	3633775.90	0.36726
503071.98	3633775.90	0.37524	503121.98	3633775.90	0.38358
503171.98	3633775.90	0.39264	503221.98	3633775.90	0.40239
503271.98	3633775.90	0.41354	503321.98	3633775.90	0.42381
503371.98	3633775.90	0.43322	503421.98	3633775.90	0.44259
503471.98	3633775.90	0.45433	503771.98	3633775.90	0.47979
503821.98	3633775.90	0.50031	503871.98	3633775.90	0.52511
503921.98	3633775.90	0.56706	503971.98	3633775.90	0.61141
504021.98	3633775.90	0.64045	504071.98	3633775.90	0.62578
504121.98	3633775.90	0.64703	504171.98	3633775.90	0.66693
504221.98	3633775.90	0.69995	504271.98	3633775.90	0.74369
504321.98	3633775.90	0.82064	504371.98	3633775.90	0.86050
504421.98	3633775.90	0.87232	504471.98	3633775.90	0.86383
504521.98	3633775.90	0.87757	504571.98	3633775.90	0.87815
504621.98	3633775.90	0.86792	504671.98	3633775.90	0.84020
504721.98	3633775.90	0.79980	502721.98	3633825.90	0.32702
502771.98	3633825.90	0.33454	502821.98		

3633825.90   0.34267
         502871.98   3633825.90   0.35073   502921.98
3633825.90   0.36313
         502971.98   3633825.90   0.37281   503021.98
3633825.90   0.38040
         503071.98   3633825.90   0.38884   503121.98
3633825.90   0.39745
         503171.98   3633825.90   0.40751   503221.98
3633825.90   0.41715
         503271.98   3633825.90   0.42782   503771.98
3633825.90   0.49104
         503821.98   3633825.90   0.50880   503871.98
3633825.90   0.54183
         503921.98   3633825.90   0.59449   503971.98
3633825.90   0.63575
         504021.98   3633825.90   0.63023   504071.98
3633825.90   0.65807
         504121.98   3633825.90   0.67966   504171.98
3633825.90   0.69640
         504221.98   3633825.90   0.73390   504271.98
3633825.90   0.77412
         504321.98   3633825.90   0.82019   504371.98
3633825.90   0.87469
         504421.98   3633825.90   0.92734   504471.98
3633825.90   0.94831
         504521.98   3633825.90   0.94654   504571.98
3633825.90   0.93148
         504621.98   3633825.90   0.93053   504671.98
3633825.90   0.90980
         504721.98   3633825.90   0.88199   502721.98
3633875.90   0.33904
         502771.98   3633875.90   0.34755   502821.98
3633875.90   0.35592
         502871.98   3633875.90   0.36411   502921.98
3633875.90   0.37938
         502971.98   3633875.90   0.38804   503021.98
3633875.90   0.39704
         503071.98   3633875.90   0.40744   503121.98
3633875.90   0.41397
         503171.98   3633875.90   0.42326   503221.98
3633875.90   0.43322
         503271.98   3633875.90   0.44303   503821.98
3633875.90   0.52951

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***

INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503871.98	3633875.90	0.56902	503921.98	3633875.90	0.61295
503971.98	3633875.90	0.62569	504021.98	3633875.90	0.65944
504071.98	3633875.90	0.69958	504121.98	3633875.90	0.71690
504171.98	3633875.90	0.75210	504221.98	3633875.90	0.79030
504271.98	3633875.90	0.83502	504321.98	3633875.90	0.89600
504371.98	3633875.90	0.94224	504421.98	3633875.90	0.98863
504471.98	3633875.90	1.00001	504521.98	3633875.90	0.97949
504571.98	3633875.90	0.97125	504621.98	3633875.90	0.96744
504671.98	3633875.90	0.95940	504721.98	3633875.90	0.92397
502721.98	3633925.90	0.35241	502771.98	3633925.90	0.36083
502821.98	3633925.90	0.37000	502871.98	3633925.90	0.38128
502921.98	3633925.90	0.39534	502971.98	3633925.90	0.40280
503021.98	3633925.90	0.41306	503071.98	3633925.90	0.42505
503121.98	3633925.90	0.43414	503171.98	3633925.90	0.44203
503221.98	3633925.90	0.44880	503271.98	3633925.90	0.45827
503821.98	3633925.90	0.55231	503871.98	3633925.90	0.58818
503921.98	3633925.90	0.62743	503971.98	3633925.90	0.65987
504021.98	3633925.90	0.70494	504071.98		

```
3633925.90        0.73981
         504121.98    3633925.90        0.77968                     504171.98
3633925.90        0.81324
         504221.98    3633925.90        0.85058                     504271.98
3633925.90        0.89946
         504321.98    3633925.90        0.93806                     504371.98
3633925.90        0.98833
         504421.98    3633925.90        1.00662                     504471.98
3633925.90        1.02243
         504521.98    3633925.90        1.03073                     504571.98
3633925.90        1.04505
         504621.98    3633925.90        1.02983                     504671.98
3633925.90        0.99579
         504721.98    3633925.90        0.95277                     502721.98
3633975.90        0.36835
         502771.98    3633975.90        0.37643                     502821.98
3633975.90        0.38482
         502871.98    3633975.90        0.39895                     502921.98
3633975.90        0.41250
         502971.98    3633975.90        0.42063                     503021.98
3633975.90        0.43210
         503071.98    3633975.90        0.44307                     503121.98
3633975.90        0.45359
         503171.98    3633975.90        0.46280                     503221.98
3633975.90        0.47104
         503271.98    3633975.90        0.47960                     503821.98
3633975.90        0.58450
         503871.98    3633975.90        0.62239                     503921.98
3633975.90        0.67031
         503971.98    3633975.90        0.72169                     504021.98
3633975.90        0.76968
         504071.98    3633975.90        0.81552                     504121.98
3633975.90        0.85487
         504171.98    3633975.90        0.89878                     504221.98
3633975.90        0.95365
         504271.98    3633975.90        1.00013                     504321.98
3633975.90        1.02735
         504371.98    3633975.90        1.07058                     504421.98
3633975.90        1.07859
         504471.98    3633975.90        1.11784                     504521.98
3633975.90        1.14485
         504571.98    3633975.90        1.11646                     504621.98
3633975.90        1.07597
         504671.98    3633975.90        1.02633                     504721.98
3633975.90        0.95683
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***

INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3634025.90	0.39065	502771.98	3634025.90	0.40163
502821.98	3634025.90	0.40946	502871.98	3634025.90	0.41959
502921.98	3634025.90	0.42973	502971.98	3634025.90	0.44177
503021.98	3634025.90	0.45704	503071.98	3634025.90	0.46501
503121.98	3634025.90	0.47614	503171.98	3634025.90	0.48732
503221.98	3634025.90	0.49615	503271.98	3634025.90	0.50420
503871.98	3634025.90	0.67960	503921.98	3634025.90	0.74678
503971.98	3634025.90	0.81250	504021.98	3634025.90	0.87018
504071.98	3634025.90	0.92350	504121.98	3634025.90	0.97428
504171.98	3634025.90	1.03498	504221.98	3634025.90	1.08455
504271.98	3634025.90	1.12736	504321.98	3634025.90	1.14574
504371.98	3634025.90	1.17080	504421.98	3634025.90	1.23159
504471.98	3634025.90	1.23950	504521.98	3634025.90	1.20720
504571.98	3634025.90	1.16622	504621.98	3634025.90	1.10983
504671.98	3634025.90	1.02356	504721.98	3634025.90	0.92531
502721.98	3634075.90	0.41293	502771.98	3634075.90	0.41821
502821.98	3634075.90	0.42925	502871.98		

```
3634075.90        0.44366
         502921.98    3634075.90        0.45597                        502971.98
3634075.90        0.46753
         503021.98    3634075.90        0.48298                        503071.98
3634075.90        0.49543
         503121.98    3634075.90        0.50599                        503171.98
3634075.90        0.51735
         503221.98    3634075.90        0.52661                        503271.98
3634075.90        0.53534
         503871.98    3634075.90        0.77474                        503921.98
3634075.90        0.86543
         503971.98    3634075.90        0.95003                        504021.98
3634075.90        1.02293
         504071.98    3634075.90        1.08866                        504121.98
3634075.90        1.15112
         504171.98    3634075.90        1.21022                        504221.98
3634075.90        1.25112
         504271.98    3634075.90        1.26374                        504321.98
3634075.90        1.27599
         504371.98    3634075.90        1.31507                        504421.98
3634075.90        1.31932
         504471.98    3634075.90        1.31084                        504521.98
3634075.90        1.28108
         504571.98    3634075.90        1.20501                        504621.98
3634075.90        1.05234
         504671.98    3634075.90        0.94940                        504721.98
3634075.90        0.88749
         502721.98    3634125.90        0.43659                        502771.98
3634125.90        0.44130
         502821.98    3634125.90        0.45431                        502871.98
3634125.90        0.47175
         502921.98    3634125.90        0.48421                        502971.98
3634125.90        0.49784
         503021.98    3634125.90        0.51584                        503071.98
3634125.90        0.52977
         503121.98    3634125.90        0.54415                        503171.98
3634125.90        0.55829
         503221.98    3634125.90        0.56407                        503271.98
3634125.90        0.57714
         503921.98    3634125.90        1.06792                        503971.98
3634125.90        1.17480
         504021.98    3634125.90        1.25821                        504071.98
3634125.90        1.33933
         504121.98    3634125.90        1.40410                        504171.98
3634125.90        1.44298
         504221.98    3634125.90        1.44176                        504271.98
3634125.90        1.42063
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3634125.90	1.39495	504371.98	3634125.90	1.37763
504421.98	3634125.90	1.37967	504471.98	3634125.90	1.40285
504521.98	3634125.90	1.31986	504571.98	3634125.90	1.17571
504621.98	3634125.90	1.00584	504671.98	3634125.90	0.93277
504721.98	3634125.90	0.84383	502721.98	3634175.90	0.45330
502771.98	3634175.90	0.46692	502821.98	3634175.90	0.48450
502871.98	3634175.90	0.50342	502921.98	3634175.90	0.51849
502971.98	3634175.90	0.53542	503021.98	3634175.90	0.55704
503071.98	3634175.90	0.57298	503121.98	3634175.90	0.58978
503171.98	3634175.90	0.60340	503221.98	3634175.90	0.61311
503271.98	3634175.90	0.62744	503971.98	3634175.90	1.52937
504021.98	3634175.90	1.64628	504071.98	3634175.90	1.72467
504121.98	3634175.90	1.75705	504171.98	3634175.90	1.72804
504221.98	3634175.90	1.65701	504271.98	3634175.90	1.56077
504321.98	3634175.90	1.46756	504371.98	3634175.90	1.50965
504421.98	3634175.90	1.57123	504471.98		

```
3634175.90        1.44487
         504521.98    3634175.90        1.30893                    504571.98
3634175.90        1.08722
         504621.98    3634175.90        0.91064                    504671.98
3634175.90        0.81153
         504721.98    3634175.90        0.69820                    502721.98
3634225.90        0.47991
         502771.98    3634225.90        0.50021                    502821.98
3634225.90        0.52249
         502871.98    3634225.90        0.54301                    502921.98
3634225.90        0.56024
         502971.98    3634225.90        0.58069                    503021.98
3634225.90        0.60664
         503071.98    3634225.90        0.62794                    503121.98
3634225.90        0.65061
         503171.98    3634225.90        0.67039                    503221.98
3634225.90        0.69047
         503271.98    3634225.90        0.71187                    504071.98
3634225.90        2.27893
         504121.98    3634225.90        2.18384                    504171.98
3634225.90        2.03012
         504221.98    3634225.90        1.85047                    504271.98
3634225.90        1.68271
         504321.98    3634225.90        1.53585                    504371.98
3634225.90        1.57827
         504421.98    3634225.90        1.58296                    504471.98
3634225.90        1.42636
         504521.98    3634225.90        1.27403                    504571.98
3634225.90        1.07521
         504621.98    3634225.90        0.88585                    504671.98
3634225.90        0.73585
         504721.98    3634225.90        0.61968                    502721.98
3634275.90        0.51352
         502771.98    3634275.90        0.53376                    502821.98
3634275.90        0.56051
         502871.98    3634275.90        0.59518                    502921.98
3634275.90        0.61335
         502971.98    3634275.90        0.63703                    503021.98
3634275.90        0.67047
         503071.98    3634275.90        0.70089                    503121.98
3634275.90        0.73045
         503171.98    3634275.90        0.76446                    503221.98
3634275.90        0.79674
         503271.98    3634275.90        0.83625                    504121.98
3634275.90        2.59421
         504171.98    3634275.90        2.27406                    504221.98
3634275.90        2.00389
         504271.98    3634275.90        1.76433                    504321.98
3634275.90        1.58550
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                          *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                          INCLUDING SOURCE(S):   FIRE   ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3634325.90 0.68491
504721.98 3634325.90 0.62879 502721.98
3634375.90 0.55785
502771.98 3634375.90 0.59113 502821.98
3634375.90 0.62348
503021.98 3634375.90 0.81917 503071.98
3634375.90 0.88794
503121.98 3634375.90 0.95066 503171.98
3634375.90 1.01936
503221.98 3634375.90 1.10229 503271.98
3634375.90 1.19538
504221.98 3634375.90 2.30000 504271.98
3634375.90 1.96561
504321.98 3634375.90 1.70600 504371.98
3634375.90 1.57082
504421.98 3634375.90 1.58323 504471.98
3634375.90 1.43036
504521.98 3634375.90 1.21195 504571.98
3634375.90 1.01120
504621.98 3634375.90 0.85421 504671.98
3634375.90 0.73966
504721.98 3634375.90 0.66440 502721.98
3634425.90 0.59540
502771.98 3634425.90 0.62891 502821.98
3634425.90 0.66597
504271.98 3634425.90 2.14067 504321.98
3634425.90 1.83958
504371.98 3634425.90 1.64192 504421.98
3634425.90 1.59877
504471.98 3634425.90 1.49443 504521.98
3634425.90 1.28143
504571.98 3634425.90 1.12206 504621.98
3634425.90 0.99578
504671.98 3634425.90 0.86647 504721.98
3634425.90 0.74536
502721.98 3634475.90 0.64521 502771.98
3634475.90 0.69266
502821.98 3634475.90 0.74302 504321.98
3634475.90 1.95664
504371.98 3634475.90 1.69608 504421.98
3634475.90 1.51901
504471.98 3634475.90 1.45675 504521.98
3634475.90 1.36593
504571.98 3634475.90 1.24599 504621.98
3634475.90 1.13571
504671.98 3634475.90 1.00057 504721.98
3634475.90 0.84816
502721.98 3634525.90 0.68557 502771.98
3634525.90 0.72741
504371.98 3634525.90 1.73999 504421.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                   INCLUDING SOURCE(S):   FIRE   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3634625.90 1.02944
504671.98 3634625.90 0.95580 504721.98
3634625.90 0.89412
502721.98 3634675.90 0.70698 502771.98
3634675.90 0.75140
502821.98 3634675.90 0.80770 502871.98
3634675.90 0.86250
502921.98 3634675.90 0.92039 502971.98
3634675.90 0.98761
503021.98 3634675.90 1.05371 503071.98
3634675.90 1.12903
503121.98 3634675.90 1.21850 503171.98
3634675.90 1.31018
503221.98 3634675.90 1.39628 503271.98
3634675.90 1.46571
503321.98 3634675.90 1.55591 503371.98
3634675.90 1.65593
503421.98 3634675.90 1.77232 503471.98
3634675.90 1.92016
503521.98 3634675.90 2.05876 504521.98
3634675.90 1.19374
504571.98 3634675.90 1.10140 504621.98
3634675.90 1.01288
504671.98 3634675.90 0.94436 504721.98
3634675.90 0.88262
502721.98 3634725.90 0.69664 502771.98
3634725.90 0.73601
502821.98 3634725.90 0.78109 502871.98
3634725.90 0.83666
502921.98 3634725.90 0.88899 502971.98
3634725.90 0.94205
503021.98 3634725.90 1.00156 503071.98
3634725.90 1.05734
503121.98 3634725.90 1.12800 503171.98
3634725.90 1.20276
503221.98 3634725.90 1.26931 503271.98
3634725.90 1.32983
503321.98 3634725.90 1.40996 503371.98
3634725.90 1.50806
503421.98 3634725.90 1.62264 503471.98
3634725.90 1.75574
503521.98 3634725.90 1.93506 503571.98
3634725.90 2.15543
503621.98 3634725.90 2.39917 504571.98
3634725.90 1.06587
504621.98 3634725.90 0.98647 504671.98
3634725.90 0.92198
504721.98 3634725.90 0.86345 502721.98
3634775.90 0.67773
502771.98 3634775.90 0.70929 502821.98

```
3634775.90        0.75233
         502871.98    3634775.90        0.79879                      502921.98
3634775.90        0.84345
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE     ***
                                  INCLUDING SOURCE(S):     FIRE        ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502971.98    3634775.90        0.88359                      503021.98
3634775.90        0.93794
         503071.98    3634775.90        0.98325                      503121.98
3634775.90        1.03891
         503171.98    3634775.90        1.09735                      503221.98
3634775.90        1.14532
         503271.98    3634775.90        1.20841                      503321.98
3634775.90        1.28881
         503371.98    3634775.90        1.38035                      503421.98
3634775.90        1.50531
         503471.98    3634775.90        1.64630                      503521.98
3634775.90        1.82323
         503571.98    3634775.90        2.02854                      503621.98
3634775.90        2.26441
         503671.98    3634775.90        2.52953                      503721.98
3634775.90        2.83744
         503771.98    3634775.90        3.15065                      503821.98
3634775.90        3.26685
         504621.98    3634775.90        0.95950                      504671.98
3634775.90        0.89415
         504721.98    3634775.90        0.84144                      502721.98
3634825.90        0.65082
         502771.98    3634825.90        0.68457                      502821.98
3634825.90        0.71640
         502871.98    3634825.90        0.75162                      502921.98
```

3634825.90 0.79122
502971.98 3634825.90 0.82888 503021.98
3634825.90 0.86904
503071.98 3634825.90 0.90750 503121.98
3634825.90 0.95601
503171.98 3634825.90 0.99651 503221.98
3634825.90 1.05202
503271.98 3634825.90 1.12096 503321.98
3634825.90 1.20281
503371.98 3634825.90 1.30932 503421.98
3634825.90 1.41901
503471.98 3634825.90 1.55250 503521.98
3634825.90 1.71473
503571.98 3634825.90 1.90232 503621.98
3634825.90 2.10073
503671.98 3634825.90 2.31063 503721.98
3634825.90 2.56016
503771.98 3634825.90 2.79513 503821.98
3634825.90 2.91259
503871.98 3634825.90 2.88553 503921.98
3634825.90 2.84831
504671.98 3634825.90 0.87015 504721.98
3634825.90 0.81679
502721.98 3634875.90 0.61885 502771.98
3634875.90 0.64710
502821.98 3634875.90 0.67646 502871.98
3634875.90 0.70167
502921.98 3634875.90 0.73822 502971.98
3634875.90 0.77315
503021.98 3634875.90 0.80882 503071.98
3634875.90 0.84530
503121.98 3634875.90 0.88687 503171.98
3634875.90 0.92423
503221.98 3634875.90 0.98387 503271.98
3634875.90 1.06144
503321.98 3634875.90 1.13807 503371.98
3634875.90 1.23431
503421.98 3634875.90 1.34077 503471.98
3634875.90 1.46585
503521.98 3634875.90 1.61182 503571.98
3634875.90 1.77237
503621.98 3634875.90 1.93631 503671.98
3634875.90 2.11354
503721.98 3634875.90 2.30597 503771.98
3634875.90 2.48614
503821.98 3634875.90 2.57446 503871.98
3634875.90 2.53652
503921.98 3634875.90 2.48714 504721.98
3634875.90 0.79606
502721.98 3634925.90 0.58886 502771.98

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503021.98	3634925.90	0.75422	503071.98	3634925.90	0.78927
503121.98	3634925.90	0.83180	503171.98	3634925.90	0.87968
503221.98	3634925.90	0.93866	503271.98	3634925.90	1.00317
503321.98	3634925.90	1.07922	503371.98	3634925.90	1.16746
503421.98	3634925.90	1.26867	503471.98	3634925.90	1.38304
503521.98	3634925.90	1.51231	503571.98	3634925.90	1.64555
503621.98	3634925.90	1.78443	503671.98	3634925.90	1.92447
503721.98	3634925.90	2.08991	503771.98	3634925.90	2.21661
503821.98	3634925.90	2.26533	503871.98	3634925.90	2.23036
502721.98	3634975.90	0.56043	502771.98	3634975.90	0.57632
502821.98	3634975.90	0.59859	502871.98	3634975.90	0.62340
502921.98	3634975.90	0.65269	502971.98		

3634975.90 0.67225
503021.98 3634975.90 0.70540 503071.98
3634975.90 0.74512
503121.98 3634975.90 0.78777 503171.98
3634975.90 0.82349
503221.98 3634975.90 0.87743 503271.98
3634975.90 0.95024
503321.98 3634975.90 1.02666 503371.98
3634975.90 1.11281
503421.98 3634975.90 1.19947 503471.98
3634975.90 1.30702
503521.98 3634975.90 1.41078 503571.98
3634975.90 1.52638
503621.98 3634975.90 1.64187 503671.98
3634975.90 1.76784
503721.98 3634975.90 1.88641 503771.98
3634975.90 1.97051
503821.98 3634975.90 2.00361 503871.98
3634975.90 1.93985
502721.98 3635025.90 0.53387 502771.98
3635025.90 0.55330
502821.98 3635025.90 0.57302 502871.98
3635025.90 0.59474
502921.98 3635025.90 0.61604 502971.98
3635025.90 0.64199
503021.98 3635025.90 0.67388 503071.98
3635025.90 0.71009
503121.98 3635025.90 0.74936 503171.98
3635025.90 0.79193
503221.98 3635025.90 0.84893 503271.98
3635025.90 0.91181
503321.98 3635025.90 0.97849 503371.98
3635025.90 1.05378
503421.98 3635025.90 1.13324 503471.98
3635025.90 1.22443
503521.98 3635025.90 1.31757 503571.98
3635025.90 1.40935
503621.98 3635025.90 1.49987 503671.98
3635025.90 1.60728
503721.98 3635025.90 1.69877 503771.98
3635025.90 1.77381
503821.98 3635025.90 1.77887 504371.98
3635025.90 1.16223
502721.98 3635075.90 0.51418 502771.98
3635075.90 0.53015
502821.98 3635075.90 0.54749 502871.98
3635075.90 0.56632
502921.98 3635075.90 0.58908 502971.98
3635075.90 0.61545
503021.98 3635075.90 0.64398 503071.98

3635075.90   0.67776
         503121.98   3635075.90   0.71714   503171.98
3635075.90   0.76029
         503221.98   3635075.90   0.81267   503271.98
3635075.90   0.86694
         503321.98   3635075.90   0.92778   503371.98
3635075.90   0.99578

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635125.90 0.68477
503171.98 3635125.90 0.72819 503221.98
3635125.90 0.76840
503271.98 3635125.90 0.82161 503321.98
3635125.90 0.87502
503371.98 3635125.90 0.93641 503421.98
3635125.90 1.00891
503471.98 3635125.90 1.07184 503521.98
3635125.90 1.13554
503571.98 3635125.90 1.18989 503621.98
3635125.90 1.26212
503671.98 3635125.90 1.33509 503721.98
3635125.90 1.39841
503771.98 3635125.90 1.43648 503821.98
3635125.90 1.42778
504371.98 3635125.90 1.04842 504421.98
3635125.90 0.97319
504471.98 3635125.90 0.91843 504521.98
3635125.90 0.87073
504571.98 3635125.90 0.83382 502721.98
3635175.90 0.47393
502771.98 3635175.90 0.48234 502821.98
3635175.90 0.49614
502871.98 3635175.90 0.51289 502921.98
3635175.90 0.54305
502971.98 3635175.90 0.56743 503021.98
3635175.90 0.59001
503071.98 3635175.90 0.61943 503121.98
3635175.90 0.65626
503171.98 3635175.90 0.69504 503221.98
3635175.90 0.73170
503271.98 3635175.90 0.77966 503321.98
3635175.90 0.82726
503371.98 3635175.90 0.88494 503421.98
3635175.90 0.95192
503471.98 3635175.90 0.99285 503521.98
3635175.90 1.04666
503571.98 3635175.90 1.09382 503621.98
3635175.90 1.16026
503671.98 3635175.90 1.21787 503721.98
3635175.90 1.26723
503771.98 3635175.90 1.28298 503821.98
3635175.90 1.28794
504371.98 3635175.90 0.99467 504421.98
3635175.90 0.93259
504471.98 3635175.90 0.88243 504521.98
3635175.90 0.83573
504571.98 3635175.90 0.78883 504621.98
3635175.90 0.77577
502721.98 3635225.90 0.45587 502771.98

3635225.90 0.46897
 502821.98 3635225.90 0.48309 502871.98
3635225.90 0.49822
 502921.98 3635225.90 0.51724 502971.98
3635225.90 0.54097
 503021.98 3635225.90 0.56656 503071.98
3635225.90 0.59564
 503121.98 3635225.90 0.63065 503171.98
3635225.90 0.66778

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503221.98	3635225.90	0.70674	503271.98	3635225.90	0.74956
503321.98	3635225.90	0.79674	503371.98	3635225.90	0.84647
503421.98	3635225.90	0.89568	503471.98	3635225.90	0.93761
503521.98	3635225.90	0.96912	503571.98	3635225.90	1.00893
503621.98	3635225.90	1.05482	503671.98	3635225.90	1.10808
504371.98	3635225.90	0.95023	504421.98	3635225.90	0.89950
504471.98	3635225.90	0.85286	504521.98	3635225.90	0.80899
504571.98	3635225.90	0.76225	504621.98	3635225.90	0.72939
502721.98	3635275.90	0.43642	502771.98	3635275.90	0.44568
502821.98	3635275.90	0.45930	502871.98		

3635275.90 0.47756
502921.98 3635275.90 0.49424 502971.98
3635275.90 0.51711
503021.98 3635275.90 0.53805 503071.98
3635275.90 0.56397
503121.98 3635275.90 0.59195 503171.98
3635275.90 0.62343
503221.98 3635275.90 0.67352 503271.98
3635275.90 0.71222
503321.98 3635275.90 0.75639 503371.98
3635275.90 0.79415
503421.98 3635275.90 0.83862 503471.98
3635275.90 0.87548
503521.98 3635275.90 0.91933 503571.98
3635275.90 0.94243
503621.98 3635275.90 0.97999 504371.98
3635275.90 0.88918
504421.98 3635275.90 0.84800 504471.98
3635275.90 0.81137
504521.98 3635275.90 0.77684 504571.98
3635275.90 0.74141
504621.98 3635275.90 0.70606 504671.98
3635275.90 0.68451
502721.98 3635325.90 0.42068 502771.98
3635325.90 0.43109
502821.98 3635325.90 0.44464 502871.98
3635325.90 0.46083
502921.98 3635325.90 0.47765 502971.98
3635325.90 0.49850
503021.98 3635325.90 0.51855 503071.98
3635325.90 0.54194
503121.98 3635325.90 0.56713 503171.98
3635325.90 0.59600
503221.98 3635325.90 0.64175 503271.98
3635325.90 0.67558
503321.98 3635325.90 0.71225 503371.98
3635325.90 0.74403
503421.98 3635325.90 0.77720 503471.98
3635325.90 0.81324
503521.98 3635325.90 0.85431 503571.98
3635325.90 0.88167
503621.98 3635325.90 0.91027 504371.98
3635325.90 0.84351
504421.98 3635325.90 0.81187 504471.98
3635325.90 0.78066
504521.98 3635325.90 0.75063 504571.98
3635325.90 0.72179
504621.98 3635325.90 0.68682 504671.98
3635325.90 0.65467
504721.98 3635325.90 0.64298 502721.98

3635375.90   0.40550
         502771.98   3635375.90   0.40841   502821.98
3635375.90   0.42102
         502871.98   3635375.90   0.43553   502921.98
3635375.90   0.45322
         502971.98   3635375.90   0.48045   503021.98
3635375.90   0.49296
         503071.98   3635375.90   0.51063   503121.98
3635375.90   0.54324
         503171.98   3635375.90   0.57166   503221.98
3635375.90   0.61263

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635375.90 0.61599
502721.98 3635425.90 0.39147 502771.98
3635425.90 0.39732
502821.98 3635425.90 0.40918 502871.98
3635425.90 0.42285
502921.98 3635425.90 0.43794 502971.98
3635425.90 0.45529
503021.98 3635425.90 0.47296 503071.98
3635425.90 0.49286
503121.98 3635425.90 0.52539 503171.98
3635425.90 0.54994
503221.98 3635425.90 0.57832 503271.98
3635425.90 0.59937
503321.98 3635425.90 0.62692 503371.98
3635425.90 0.65368
503421.98 3635425.90 0.68080 503471.98
3635425.90 0.70617
503521.98 3635425.90 0.73373 503571.98
3635425.90 0.76149
503621.98 3635425.90 0.79374 503671.98
3635425.90 0.81273
503721.98 3635425.90 0.82770 503771.98
3635425.90 0.83873
503821.98 3635425.90 0.84181 504371.98
3635425.90 0.77225
504421.98 3635425.90 0.74328 504471.98
3635425.90 0.72000
504521.98 3635425.90 0.69979 504571.98
3635425.90 0.67682
504621.98 3635425.90 0.64888 504671.98
3635425.90 0.62422
504721.98 3635425.90 0.60113 502721.98
3635475.90 0.37817
502771.98 3635475.90 0.38779 502821.98
3635475.90 0.39962
502871.98 3635475.90 0.41259 502921.98
3635475.90 0.42763
502971.98 3635475.90 0.44206 503021.98
3635475.90 0.45881
503071.98 3635475.90 0.47967 503121.98
3635475.90 0.50901
503171.98 3635475.90 0.53076 503221.98
3635475.90 0.55134
503271.98 3635475.90 0.57178 503321.98
3635475.90 0.59322
503371.98 3635475.90 0.61823 503421.98
3635475.90 0.64214
503471.98 3635475.90 0.66511 503521.98
3635475.90 0.68856
503571.98 3635475.90 0.71300 503621.98

3635475.90   0.74233
         503671.98   3635475.90   0.76176   503721.98
3635475.90   0.77787
         503771.98   3635475.90   0.78214   503821.98
3635475.90   0.78318
         503871.98   3635475.90   0.78039   503921.98
3635475.90   0.78341
         504371.98   3635475.90   0.74626   504421.98
3635475.90   0.72123
         504471.98   3635475.90   0.69595   504521.98
3635475.90   0.67832
         504571.98   3635475.90   0.65360   504621.98
3635475.90   0.63063

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3632975.90 0.20404
502921.98 3632975.90 0.20749 502971.98
3632975.90 0.20307
503021.98 3632975.90 0.20657 503071.98
3632975.90 0.21342
503121.98 3632975.90 0.21916 503171.98
3632975.90 0.22582
503221.98 3632975.90 0.23096 503271.98
3632975.90 0.23430
503321.98 3632975.90 0.23703 503371.98
3632975.90 0.24044
503421.98 3632975.90 0.24252 503471.98
3632975.90 0.24616
503621.98 3632975.90 0.25950 503671.98
3632975.90 0.26413
503721.98 3632975.90 0.26791 503771.98
3632975.90 0.26941
503821.98 3632975.90 0.25868 503871.98
3632975.90 0.23984
503921.98 3632975.90 0.23060 503971.98
3632975.90 0.22848
504021.98 3632975.90 0.22238 504071.98
3632975.90 0.22390
504121.98 3632975.90 0.21459 504171.98
3632975.90 0.21566
504221.98 3632975.90 0.21490 504271.98
3632975.90 0.21632
504321.98 3632975.90 0.21661 504371.98
3632975.90 0.20982
504421.98 3632975.90 0.20712 504471.98
3632975.90 0.20655
504521.98 3632975.90 0.20805 504571.98
3632975.90 0.20713
504621.98 3632975.90 0.20456 504671.98
3632975.90 0.20330
504721.98 3632975.90 0.20359 504771.98
3632975.90 0.20341
504821.98 3632975.90 0.19919 504871.98
3632975.90 0.19665
504921.98 3632975.90 0.19700 504971.98
3632975.90 0.19708
505021.98 3632975.90 0.19517 505071.98
3632975.90 0.19578
505121.98 3632975.90 0.20089 505171.98
3632975.90 0.20816
505221.98 3632975.90 0.21401 502221.98
3633025.90 0.17798
502271.98 3633025.90 0.18364 502321.98
3633025.90 0.18688
502371.98 3633025.90 0.19119 502421.98

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503171.98	3633025.90	0.23366	503221.98	3633025.90	0.23933
503271.98	3633025.90	0.24211	503321.98	3633025.90	0.24550
503371.98	3633025.90	0.24769	503421.98	3633025.90	0.24896
503471.98	3633025.90	0.25354	503621.98	3633025.90	0.26835
503671.98	3633025.90	0.27351	503721.98	3633025.90	0.27811
503771.98	3633025.90	0.27579	503821.98	3633025.90	0.26066
503871.98	3633025.90	0.24324	503921.98		

3633025.90 0.23423
503971.98 3633025.90 0.23031 504021.98
3633025.90 0.22651
504071.98 3633025.90 0.22215 504121.98
3633025.90 0.21929
504171.98 3633025.90 0.21940 504221.98
3633025.90 0.22182
504271.98 3633025.90 0.22278 504321.98
3633025.90 0.22281
504371.98 3633025.90 0.21628 504421.98
3633025.90 0.21312
504471.98 3633025.90 0.21266 504521.98
3633025.90 0.20916
504571.98 3633025.90 0.20615 504621.98
3633025.90 0.20438
504671.98 3633025.90 0.20443 504721.98
3633025.90 0.20546
504771.98 3633025.90 0.20692 504821.98
3633025.90 0.20545
504871.98 3633025.90 0.20841 504921.98
3633025.90 0.21032
504971.98 3633025.90 0.20905 505021.98
3633025.90 0.20468
505071.98 3633025.90 0.20441 505121.98
3633025.90 0.20976
505171.98 3633025.90 0.21765 505221.98
3633025.90 0.22641
502221.98 3633075.90 0.18154 502271.98
3633075.90 0.18698
502321.98 3633075.90 0.19087 502371.98
3633075.90 0.19499
502421.98 3633075.90 0.19942 502471.98
3633075.90 0.20290
502521.98 3633075.90 0.20763 502571.98
3633075.90 0.21322
502621.98 3633075.90 0.21869 502671.98
3633075.90 0.22342
502721.98 3633075.90 0.22489 502771.98
3633075.90 0.22637
502821.98 3633075.90 0.22027 502871.98
3633075.90 0.22020
502921.98 3633075.90 0.22092 502971.98
3633075.90 0.21995
503021.98 3633075.90 0.22522 503071.98
3633075.90 0.22991
503121.98 3633075.90 0.23639 503171.98
3633075.90 0.24188
503221.98 3633075.90 0.24838 503271.98
3633075.90 0.25016
503321.98 3633075.90 0.25258 503371.98

```
3633075.90        0.25470
         503421.98    3633075.90        0.25657                        503471.98
3633075.90        0.26132
         503621.98    3633075.90        0.27784                        503671.98
3633075.90        0.28353
         503721.98    3633075.90        0.28820                        503771.98
3633075.90        0.28362
         503821.98    3633075.90        0.26459                        503871.98
3633075.90        0.24426
         503921.98    3633075.90        0.24031                        503971.98
3633075.90        0.24121
         504021.98    3633075.90        0.23412                        504071.98
3633075.90        0.22997
         504121.98    3633075.90        0.22780                        504171.98
3633075.90        0.22797
         504221.98    3633075.90        0.22984                        504271.98
3633075.90        0.23109
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE     ***
                                 INCLUDING SOURCE(S):     FIRE        ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         504321.98    3633075.90        0.23343                        504371.98
3633075.90        0.22505
         504421.98    3633075.90        0.22384                        504471.98
3633075.90        0.21802
         504521.98    3633075.90        0.21168                        504571.98
3633075.90        0.20799
         504621.98    3633075.90        0.20559                        504671.98
3633075.90        0.20668
         504721.98    3633075.90        0.20865                        504771.98
3633075.90        0.21266
         504821.98    3633075.90        0.21550                        504871.98
```

3633075.90 0.22089
504921.98 3633075.90 0.22680 504971.98
3633075.90 0.22243
505021.98 3633075.90 0.21675 505071.98
3633075.90 0.21460
505121.98 3633075.90 0.21858 505171.98
3633075.90 0.22706
505221.98 3633075.90 0.23524 502221.98
3633125.90 0.18602
502271.98 3633125.90 0.19034 502321.98
3633125.90 0.19437
502371.98 3633125.90 0.19850 502421.98
3633125.90 0.20311
502471.98 3633125.90 0.20718 502521.98
3633125.90 0.21191
502571.98 3633125.90 0.21698 502621.98
3633125.90 0.22230
502671.98 3633125.90 0.22861 502721.98
3633125.90 0.23354
502771.98 3633125.90 0.23072 502821.98
3633125.90 0.23181
502871.98 3633125.90 0.22876 502921.98
3633125.90 0.23070
502971.98 3633125.90 0.23113 503021.98
3633125.90 0.23361
503071.98 3633125.90 0.23927 503121.98
3633125.90 0.24493
503171.98 3633125.90 0.25102 503221.98
3633125.90 0.25619
503271.98 3633125.90 0.25884 503321.98
3633125.90 0.26220
503371.98 3633125.90 0.26285 503421.98
3633125.90 0.26447
503471.98 3633125.90 0.26940 503621.98
3633125.90 0.28810
503671.98 3633125.90 0.29399 503721.98
3633125.90 0.29850
503771.98 3633125.90 0.28733 503821.98
3633125.90 0.26851
503871.98 3633125.90 0.25184 503921.98
3633125.90 0.24998
503971.98 3633125.90 0.25135 504021.98
3633125.90 0.23895
504071.98 3633125.90 0.23912 504121.98
3633125.90 0.24115
504171.98 3633125.90 0.24217 504221.98
3633125.90 0.24308
504271.98 3633125.90 0.24511 504321.98
3633125.90 0.24402
504371.98 3633125.90 0.24063 504421.98

3633125.90   0.23830
         504471.98   3633125.90   0.22847   504521.98
3633125.90   0.21915
         504571.98   3633125.90   0.21331   504621.98
3633125.90   0.21313
         504671.98   3633125.90   0.21591   504721.98
3633125.90   0.21784
         504771.98   3633125.90   0.22169   504821.98
3633125.90   0.22609
         504871.98   3633125.90   0.23468   504921.98
3633125.90   0.24588
         504971.98   3633125.90   0.24029   505021.98
3633125.90   0.23053
         505071.98   3633125.90   0.22309   505121.98
3633125.90   0.22727
         505171.98   3633125.90   0.23566   505221.98
3633125.90   0.24550
         502221.98   3633175.90   0.18948   502271.98
3633175.90   0.19324

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3633175.90 0.22913
502821.98 3633175.90 0.23039 502871.98
3633175.90 0.23815
502921.98 3633175.90 0.23948 502971.98
3633175.90 0.24350
503021.98 3633175.90 0.24560 503071.98
3633175.90 0.25091
503121.98 3633175.90 0.25432 503171.98
3633175.90 0.26103
503221.98 3633175.90 0.26310 503271.98
3633175.90 0.26580
503321.98 3633175.90 0.26965 503371.98
3633175.90 0.27042
503421.98 3633175.90 0.27292 503471.98
3633175.90 0.27777
503621.98 3633175.90 0.29929 503671.98
3633175.90 0.30539
503721.98 3633175.90 0.30657 503771.98
3633175.90 0.29049
503821.98 3633175.90 0.27195 503871.98
3633175.90 0.25855
503921.98 3633175.90 0.26180 503971.98
3633175.90 0.26299
504021.98 3633175.90 0.24957 504071.98
3633175.90 0.25182
504121.98 3633175.90 0.25773 504171.98
3633175.90 0.26472
504221.98 3633175.90 0.26322 504271.98
3633175.90 0.26177
504321.98 3633175.90 0.25993 504371.98
3633175.90 0.26498
504421.98 3633175.90 0.25502 504471.98
3633175.90 0.24101
504521.98 3633175.90 0.22888 504571.98
3633175.90 0.22291
504621.98 3633175.90 0.22661 504671.98
3633175.90 0.23247
504721.98 3633175.90 0.23466 504771.98
3633175.90 0.23729
504821.98 3633175.90 0.24016 504871.98
3633175.90 0.24992
504921.98 3633175.90 0.26425 504971.98
3633175.90 0.25296
505021.98 3633175.90 0.23962 505071.98
3633175.90 0.23410
505121.98 3633175.90 0.23771 505171.98
3633175.90 0.24462
505221.98 3633175.90 0.25268 502221.98
3633225.90 0.19345
502271.98 3633225.90 0.19784 502321.98

```
3633225.90        0.20183
         502371.98    3633225.90        0.20783                      502421.98
3633225.90        0.21284
         502471.98    3633225.90        0.21624                      502521.98
3633225.90        0.22181
         502571.98    3633225.90        0.22720                      502621.98
3633225.90        0.23353
         502671.98    3633225.90        0.23776                      502721.98
3633225.90        0.23278
         502771.98    3633225.90        0.23703                      502821.98
3633225.90        0.23804
         502871.98    3633225.90        0.24208                      502921.98
3633225.90        0.24766
         502971.98    3633225.90        0.25304                      503021.98
3633225.90        0.25622
         503071.98    3633225.90        0.26138                      503121.98
3633225.90        0.26716
         503171.98    3633225.90        0.26990                      503221.98
3633225.90        0.27169
         503271.98    3633225.90        0.27438                      503321.98
3633225.90        0.27661
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***       02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44

                                PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                            *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE     ***
                                INCLUDING SOURCE(S):     FIRE        ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         503371.98    3633225.90        0.27763                      503421.98
3633225.90        0.28160
         503471.98    3633225.90        0.28681                      503621.98
3633225.90        0.31100
         503671.98    3633225.90        0.31727                      503721.98
3633225.90        0.31509
         503771.98    3633225.90        0.30156                      503821.98
```

3633225.90 0.27826
503871.98 3633225.90 0.27224 503921.98
3633225.90 0.27285
503971.98 3633225.90 0.27616 504021.98
3633225.90 0.27364
504071.98 3633225.90 0.27748 504121.98
3633225.90 0.28503
504171.98 3633225.90 0.28927 504221.98
3633225.90 0.27658
504271.98 3633225.90 0.27559 504321.98
3633225.90 0.28431
504371.98 3633225.90 0.28865 504421.98
3633225.90 0.27359
504471.98 3633225.90 0.25881 504521.98
3633225.90 0.24596
504571.98 3633225.90 0.24136 504621.98
3633225.90 0.24610
504671.98 3633225.90 0.25573 504721.98
3633225.90 0.25912
504771.98 3633225.90 0.25758 504821.98
3633225.90 0.26504
504871.98 3633225.90 0.26986 504921.98
3633225.90 0.28087
504971.98 3633225.90 0.26929 505021.98
3633225.90 0.25644
505071.98 3633225.90 0.25299 505121.98
3633225.90 0.25180
505171.98 3633225.90 0.25024 505221.98
3633225.90 0.25716
502221.98 3633275.90 0.19720 502271.98
3633275.90 0.20159
502321.98 3633275.90 0.20694 502371.98
3633275.90 0.21226
502421.98 3633275.90 0.21682 502471.98
3633275.90 0.22173
502521.98 3633275.90 0.22710 502571.98
3633275.90 0.23255
502621.98 3633275.90 0.23902 502671.98
3633275.90 0.24310
502721.98 3633275.90 0.24449 502771.98
3633275.90 0.24242
502821.98 3633275.90 0.23742 502871.98
3633275.90 0.24772
502921.98 3633275.90 0.25573 502971.98
3633275.90 0.26127
503021.98 3633275.90 0.26407 503071.98
3633275.90 0.27069
503121.98 3633275.90 0.27816 503171.98
3633275.90 0.28136
503221.98 3633275.90 0.28216 503271.98

3633275.90 0.28117
 503321.98 3633275.90 0.28476 503371.98
3633275.90 0.28650
 503421.98 3633275.90 0.29058 503471.98
3633275.90 0.30125
 503621.98 3633275.90 0.32329 503671.98
3633275.90 0.32896
 503721.98 3633275.90 0.32260 503771.98
3633275.90 0.30729
 503821.98 3633275.90 0.28472 503871.98
3633275.90 0.28453
 503921.98 3633275.90 0.29299 503971.98
3633275.90 0.31026
 504021.98 3633275.90 0.31048 504071.98
3633275.90 0.30770
 504121.98 3633275.90 0.31808 504171.98
3633275.90 0.31046
 504221.98 3633275.90 0.29783 504271.98
3633275.90 0.29775
 504321.98 3633275.90 0.31199 504371.98
3633275.90 0.32120
 504421.98 3633275.90 0.30294 504471.98
3633275.90 0.28359

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504521.98	3633275.90	0.26902	504571.98	3633275.90	0.26555
504621.98	3633275.90	0.27251	504671.98	3633275.90	0.28295
504721.98	3633275.90	0.28187	504771.98		

3633275.90 0.26966
504821.98 3633275.90 0.27963 504871.98
3633275.90 0.29131
504921.98 3633275.90 0.30126 504971.98
3633275.90 0.29069
505021.98 3633275.90 0.27961 505071.98
3633275.90 0.27691
505121.98 3633275.90 0.27116 505171.98
3633275.90 0.26016
505221.98 3633275.90 0.26459 502221.98
3633325.90 0.20155
502271.98 3633325.90 0.20632 502321.98
3633325.90 0.21143
502371.98 3633325.90 0.21639 502421.98
3633325.90 0.22137
502471.98 3633325.90 0.22570 502521.98
3633325.90 0.23171
502571.98 3633325.90 0.23769 502621.98
3633325.90 0.24431
502671.98 3633325.90 0.24950 502721.98
3633325.90 0.25089
502771.98 3633325.90 0.24621 502821.98
3633325.90 0.24935
502871.98 3633325.90 0.26004 502921.98
3633325.90 0.26503
502971.98 3633325.90 0.26936 503021.98
3633325.90 0.27394
503071.98 3633325.90 0.28119 503121.98
3633325.90 0.28849
503171.98 3633325.90 0.29341 503221.98
3633325.90 0.29665
503271.98 3633325.90 0.28903 503321.98
3633325.90 0.29273
503371.98 3633325.90 0.29516 503421.98
3633325.90 0.30305
503471.98 3633325.90 0.31097 503621.98
3633325.90 0.33548
503671.98 3633325.90 0.33961 503721.98
3633325.90 0.32652
503771.98 3633325.90 0.31831 503821.98
3633325.90 0.30358
503871.98 3633325.90 0.30188 503921.98
3633325.90 0.32658
503971.98 3633325.90 0.35124 504021.98
3633325.90 0.34956
504071.98 3633325.90 0.34265 504121.98
3633325.90 0.35713
504171.98 3633325.90 0.33681 504221.98
3633325.90 0.32054
504271.98 3633325.90 0.32891 504321.98

3633325.90   0.35172
         504371.98   3633325.90   0.35879   504421.98
3633325.90   0.33555
         504471.98   3633325.90   0.31210   504521.98
3633325.90   0.29511
         504571.98   3633325.90   0.29434   504621.98
3633325.90   0.30209
         504671.98   3633325.90   0.31299   504721.98
3633325.90   0.30661
         504771.98   3633325.90   0.29110   504821.98
3633325.90   0.29450
         504871.98   3633325.90   0.31602   504921.98
3633325.90   0.32611
         504971.98   3633325.90   0.31562   505021.98
3633325.90   0.30720
         505071.98   3633325.90   0.30405   505121.98
3633325.90   0.28568
         505171.98   3633325.90   0.27287   505221.98
3633325.90   0.27841
         502221.98   3633375.90   0.20679   502271.98
3633375.90   0.21125
         502321.98   3633375.90   0.21581   502371.98
3633375.90   0.22052
         502421.98   3633375.90   0.22564   502471.98
3633375.90   0.23078

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502521.98   3633375.90   0.23664   502571.98
3633375.90   0.24284
         502621.98   3633375.90   0.24940   502671.98

3633375.90 0.25567
502721.98 3633375.90 0.25811 502771.98
3633375.90 0.26032
502821.98 3633375.90 0.26381 502871.98
3633375.90 0.26976
502921.98 3633375.90 0.27416 502971.98
3633375.90 0.27908
503021.98 3633375.90 0.28394 503071.98
3633375.90 0.29154
503121.98 3633375.90 0.29867 503171.98
3633375.90 0.30469
503221.98 3633375.90 0.30719 503271.98
3633375.90 0.31113
503321.98 3633375.90 0.30754 503371.98
3633375.90 0.30477
503421.98 3633375.90 0.31798 503471.98
3633375.90 0.32603
503621.98 3633375.90 0.35169 503671.98
3633375.90 0.35654
503721.98 3633375.90 0.34869 503771.98
3633375.90 0.34587
503821.98 3633375.90 0.35027 503871.98
3633375.90 0.34375
503921.98 3633375.90 0.36716 503971.98
3633375.90 0.39197
504021.98 3633375.90 0.38806 504071.98
3633375.90 0.38087
504121.98 3633375.90 0.39752 504171.98
3633375.90 0.36509
504221.98 3633375.90 0.35923 504271.98
3633375.90 0.37803
504321.98 3633375.90 0.39998 504371.98
3633375.90 0.40376
504421.98 3633375.90 0.37119 504471.98
3633375.90 0.34059
504521.98 3633375.90 0.32143 504571.98
3633375.90 0.32621
504621.98 3633375.90 0.33546 504671.98
3633375.90 0.34886
504721.98 3633375.90 0.33355 504771.98
3633375.90 0.31535
504821.98 3633375.90 0.32178 504871.98
3633375.90 0.35186
504921.98 3633375.90 0.35460 504971.98
3633375.90 0.34661
505021.98 3633375.90 0.33660 505071.98
3633375.90 0.31725
505121.98 3633375.90 0.29647 505171.98
3633375.90 0.28672
505221.98 3633375.90 0.29541 502221.98

3633425.90   0.21079
         502271.98   3633425.90   0.21479   502321.98
3633425.90   0.21881
         502371.98   3633425.90   0.22358   502421.98
3633425.90   0.22916
         502471.98   3633425.90   0.23740   502521.98
3633425.90   0.24284
         502571.98   3633425.90   0.24849   502621.98
3633425.90   0.25506
         502671.98   3633425.90   0.26088   502721.98
3633425.90   0.26749
         502771.98   3633425.90   0.27389   502821.98
3633425.90   0.27855
         502871.98   3633425.90   0.28250   502921.98
3633425.90   0.28424
         502971.98   3633425.90   0.28928   503021.98
3633425.90   0.29639
         503071.98   3633425.90   0.30173   503121.98
3633425.90   0.31192
         503171.98   3633425.90   0.31567   503221.98
3633425.90   0.31895
         503271.98   3633425.90   0.32203   503321.98
3633425.90   0.31692
         503371.98   3633425.90   0.31505   503421.98
3633425.90   0.32842
         503471.98   3633425.90   0.33615   503621.98
3633425.90   0.36479

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         503671.98   3633425.90   0.37815   503721.98

3633425.90 0.37745
503771.98 3633425.90 0.37646 503821.98
3633425.90 0.38343
503871.98 3633425.90 0.39057 503921.98
3633425.90 0.41456
503971.98 3633425.90 0.42763 504021.98
3633425.90 0.42640
504071.98 3633425.90 0.42468 504121.98
3633425.90 0.44144
504171.98 3633425.90 0.41793 504221.98
3633425.90 0.42441
504271.98 3633425.90 0.44553 504321.98
3633425.90 0.46439
504371.98 3633425.90 0.44397 504421.98
3633425.90 0.40867
504471.98 3633425.90 0.37626 504521.98
3633425.90 0.35370
504571.98 3633425.90 0.36196 504621.98
3633425.90 0.37855
504671.98 3633425.90 0.38513 504721.98
3633425.90 0.37811
504771.98 3633425.90 0.35983 504821.98
3633425.90 0.35266
504871.98 3633425.90 0.38836 504921.98
3633425.90 0.38163
504971.98 3633425.90 0.36711 505021.98
3633425.90 0.33591
505071.98 3633425.90 0.31649 505121.98
3633425.90 0.30492
505171.98 3633425.90 0.30199 505221.98
3633425.90 0.31395
502221.98 3633475.90 0.21550 502271.98
3633475.90 0.21936
502321.98 3633475.90 0.22371 502371.98
3633475.90 0.22870
502421.98 3633475.90 0.23447 502471.98
3633475.90 0.24370
502521.98 3633475.90 0.24742 502571.98
3633475.90 0.25305
502621.98 3633475.90 0.25996 502671.98
3633475.90 0.26581
504771.98 3633475.90 0.43373 504821.98
3633475.90 0.43304
504871.98 3633475.90 0.42699 504921.98
3633475.90 0.42122
504971.98 3633475.90 0.38777 505021.98
3633475.90 0.34648
505071.98 3633475.90 0.32819 505121.98
3633475.90 0.31911
505171.98 3633475.90 0.31522 505221.98

3633475.90   0.32485
         502221.98   3633525.90   0.22167   502271.98
3633525.90   0.22549
         502321.98   3633525.90   0.22958   502371.98
3633525.90   0.23570
         502421.98   3633525.90   0.24241   502471.98
3633525.90   0.25043
         502521.98   3633525.90   0.25288   502571.98
3633525.90   0.25589
         502621.98   3633525.90   0.26280   502671.98
3633525.90   0.26933
         504771.98   3633525.90   0.46405   504821.98
3633525.90   0.45192
         504871.98   3633525.90   0.44506   504921.98
3633525.90   0.44075
         504971.98   3633525.90   0.43383   505021.98
3633525.90   0.39123
         505071.98   3633525.90   0.35371   505121.98
3633525.90   0.33254
         505171.98   3633525.90   0.32812   505221.98
3633525.90   0.33345
         502221.98   3633575.90   0.23114   502271.98
3633575.90   0.23139
         502321.98   3633575.90   0.23545   502371.98
3633575.90   0.24207
         502421.98   3633575.90   0.24804   502471.98
3633575.90   0.25275
         502521.98   3633575.90   0.25720   502571.98
3633575.90   0.26226

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -

- -
502621.98 3633575.90 0.26835 502671.98
3633575.90 0.27469
504771.98 3633575.90 0.48589 504821.98
3633575.90 0.47814
504871.98 3633575.90 0.47336 504921.98
3633575.90 0.45664
504971.98 3633575.90 0.46043 505021.98
3633575.90 0.43899
505071.98 3633575.90 0.38871 505121.98
3633575.90 0.35312
505171.98 3633575.90 0.34414 505221.98
3633575.90 0.35279
502221.98 3633625.90 0.24023 502271.98
3633625.90 0.23705
502321.98 3633625.90 0.24276 502371.98
3633625.90 0.24856
502421.98 3633625.90 0.25543 502471.98
3633625.90 0.25871
502521.98 3633625.90 0.26620 502571.98
3633625.90 0.27186
502621.98 3633625.90 0.27796 502671.98
3633625.90 0.28327
504771.98 3633625.90 0.50929 504821.98
3633625.90 0.53447
504871.98 3633625.90 0.50556 504921.98
3633625.90 0.49021
504971.98 3633625.90 0.49401 505021.98
3633625.90 0.47667
505071.98 3633625.90 0.41529 505121.98
3633625.90 0.37703
505171.98 3633625.90 0.36102 505221.98
3633625.90 0.37130
502221.98 3633675.90 0.24340 502271.98
3633675.90 0.24301
502321.98 3633675.90 0.24888 502371.98
3633675.90 0.25373
502421.98 3633675.90 0.26166 502471.98
3633675.90 0.26725
502521.98 3633675.90 0.27415 502571.98
3633675.90 0.27996
502621.98 3633675.90 0.28564 502671.98
3633675.90 0.29105
504771.98 3633675.90 0.57338 504821.98
3633675.90 0.57450
504871.98 3633675.90 0.56722 504921.98
3633675.90 0.55637
504971.98 3633675.90 0.54009 505021.98
3633675.90 0.51035
505071.98 3633675.90 0.43734 505121.98

3633675.90   0.38601
         505171.98   3633675.90   0.37167   505221.98
3633675.90   0.38109
         502221.98   3633725.90   0.24835   502271.98
3633725.90   0.24942
         502321.98   3633725.90   0.25643   502371.98
3633725.90   0.26244
         502421.98   3633725.90   0.26892   502471.98
3633725.90   0.27544
         502521.98   3633725.90   0.28215   502571.98
3633725.90   0.28863
         502621.98   3633725.90   0.29483   502671.98
3633725.90   0.30014
         504771.98   3633725.90   0.69147   504821.98
3633725.90   0.64186
         504871.98   3633725.90   0.63240   504921.98
3633725.90   0.60277
         504971.98   3633725.90   0.56770   505021.98
3633725.90   0.51462
         505071.98   3633725.90   0.43296   505121.98
3633725.90   0.38764
         505171.98   3633725.90   0.38441   505221.98
3633725.90   0.38868
         502221.98   3633775.90   0.25518   502271.98
3633775.90   0.25679
         502321.98   3633775.90   0.26668   502371.98
3633775.90   0.27209
         502421.98   3633775.90   0.27957   502471.98
3633775.90   0.28374
         502521.98   3633775.90   0.29106   502571.98
3633775.90   0.29817

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)

Y-COORD (M) CONC

- - - -

3633875.90   0.46502
         505071.98   3633875.90   0.44793   505121.98
3633875.90   0.41631
         505171.98   3633875.90   0.41207   505221.98
3633875.90   0.41308
         502221.98   3633925.90   0.28191   502271.98
3633925.90   0.28695
         502321.98   3633925.90   0.29538   502371.98
3633925.90   0.29947
         502421.98   3633925.90   0.30978   502471.98
3633925.90   0.31533
         502521.98   3633925.90   0.32366   502571.98
3633925.90   0.33227
         502621.98   3633925.90   0.34077   502671.98
3633925.90   0.34709
         504771.98   3633925.90   0.88675   504821.98
3633925.90   0.78042
         504871.98   3633925.90   0.67252   504921.98
3633925.90   0.55445
         504971.98   3633925.90   0.48385   505021.98
3633925.90   0.45898
         505071.98   3633925.90   0.44085   505121.98
3633925.90   0.42688
         505171.98   3633925.90   0.42513   505221.98
3633925.90   0.42219
         502221.98   3633975.90   0.29316   502271.98
3633975.90   0.29531
         502321.98   3633975.90   0.30337   502371.98
3633975.90   0.31295
         502421.98   3633975.90   0.32181   502471.98
3633975.90   0.32936
         502521.98   3633975.90   0.33858   502571.98
3633975.90   0.34635

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                            *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633975.90	0.35555	502671.98	3633975.90	0.36184
504771.98	3633975.90	0.86814	504821.98	3633975.90	0.78449
504871.98	3633975.90	0.70984	504921.98	3633975.90	0.59688
504971.98	3633975.90	0.48785	505021.98	3633975.90	0.44930
505071.98	3633975.90	0.42921	505121.98	3633975.90	0.43589
505171.98	3633975.90	0.43599	505221.98	3633975.90	0.42984
502221.98	3634025.90	0.30468	502271.98	3634025.90	0.30644
502321.98	3634025.90	0.31443	502371.98	3634025.90	0.32450
502421.98	3634025.90	0.33334	502471.98	3634025.90	0.34207
502521.98	3634025.90	0.35128	502571.98	3634025.90	0.36081
502621.98	3634025.90	0.37167	502671.98	3634025.90	0.38040
504771.98	3634025.90	0.83473	504821.98	3634025.90	0.79211
504871.98	3634025.90	0.67681	504921.98	3634025.90	0.56851
504971.98	3634025.90	0.47409	505021.98	3634025.90	0.44176
505071.98	3634025.90	0.42654	505121.98	3634025.90	0.43865
505171.98	3634025.90	0.44627	505221.98	3634025.90	0.43713
502221.98	3634075.90	0.31251	502271.98	3634075.90	0.31792
502321.98	3634075.90	0.32603	502371.98	3634075.90	0.33426
502421.98	3634075.90	0.34232	502471.98	3634075.90	0.35206
502521.98	3634075.90	0.36358	502571.98	3634075.90	0.37778
502621.98	3634075.90	0.38853	502671.98	3634075.90	0.40189
504771.98	3634075.90	0.83142	504821.98	3634075.90	0.75650
504871.98	3634075.90	0.61683	504921.98		

```
3634075.90        0.53512
         504971.98    3634075.90        0.47227                        505021.98
3634075.90        0.44075
         505071.98    3634075.90        0.42975                        505121.98
3634075.90        0.43823
         505171.98    3634075.90        0.45156                        505221.98
3634075.90        0.44587
         502221.98    3634125.90        0.32032                        502271.98
3634125.90        0.33087
         502321.98    3634125.90        0.33865                        502371.98
3634125.90        0.34941
         502421.98    3634125.90        0.35853                        502471.98
3634125.90        0.36810
         502521.98    3634125.90        0.37806                        502571.98
3634125.90        0.38898
         502621.98    3634125.90        0.40643                        502671.98
3634125.90        0.42447
         504771.98    3634125.90        0.72762                        504821.98
3634125.90        0.66562
         504871.98    3634125.90        0.59301                        504921.98
3634125.90        0.50371
         504971.98    3634125.90        0.47225                        505021.98
3634125.90        0.44410
         505071.98    3634125.90        0.44019                        505121.98
3634125.90        0.45224
         505171.98    3634125.90        0.45848                        505221.98
3634125.90        0.45337
         502221.98    3634175.90        0.32737                        502271.98
3634175.90        0.33760
         502321.98    3634175.90        0.34628                        502371.98
3634175.90        0.36787
         502421.98    3634175.90        0.37803                        502471.98
3634175.90        0.38827
         502521.98    3634175.90        0.39786                        502571.98
3634175.90        0.40969
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 146
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE      ***
                                   INCLUDING SOURCE(S):     FIRE        ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634175.90	0.42225	502671.98	3634175.90	0.43848
504771.98	3634175.90	0.63984	504821.98	3634175.90	0.57990
504871.98	3634175.90	0.53463	504921.98	3634175.90	0.50241
504971.98	3634175.90	0.47482	505021.98	3634175.90	0.46031
505071.98	3634175.90	0.44025	505121.98	3634175.90	0.45842
505171.98	3634175.90	0.46217	505221.98	3634175.90	0.46495
502221.98	3634225.90	0.34068	502271.98	3634225.90	0.34965
502321.98	3634225.90	0.36530	502371.98	3634225.90	0.38446
502421.98	3634225.90	0.39786	502471.98	3634225.90	0.40971
502521.98	3634225.90	0.41977	502571.98	3634225.90	0.43376
502621.98	3634225.90	0.44715	502671.98	3634225.90	0.46314
504771.98	3634225.90	0.58259	504821.98	3634225.90	0.53639
504871.98	3634225.90	0.52780	504921.98	3634225.90	0.50184
504971.98	3634225.90	0.50220	505021.98	3634225.90	0.47483
505071.98	3634225.90	0.45141	505121.98	3634225.90	0.45797
505171.98	3634225.90	0.44072	505221.98	3634225.90	0.46015
502221.98	3634275.90	0.35486	502271.98	3634275.90	0.36489
502321.98	3634275.90	0.37941	502371.98	3634275.90	0.40120
502421.98	3634275.90	0.41526	502471.98	3634275.90	0.42848
502521.98	3634275.90	0.44305	502571.98	3634275.90	0.45781
502621.98	3634275.90	0.47564	502671.98	3634275.90	0.49430
504771.98	3634275.90	0.57103	504821.98		

3634275.90   0.54495
         504871.98   3634275.90   0.53382   504921.98
3634275.90   0.52576
         504971.98   3634275.90   0.53602   505021.98
3634275.90   0.49009
         505071.98   3634275.90   0.46600   505121.98
3634275.90   0.47075
         505171.98   3634275.90   0.43649   505221.98
3634275.90   0.45598
         502221.98   3634325.90   0.37073   502271.98
3634325.90   0.38340
         502321.98   3634325.90   0.39590   502371.98
3634325.90   0.40936
         502421.98   3634325.90   0.42323   502471.98
3634325.90   0.43687
         502521.98   3634325.90   0.45259   502571.98
3634325.90   0.46934
         502621.98   3634325.90   0.48735   502671.98
3634325.90   0.50859
         504771.98   3634325.90   0.60706   504821.98
3634325.90   0.60216
         504871.98   3634325.90   0.58267   504921.98
3634325.90   0.57691
         504971.98   3634325.90   0.56882   505021.98
3634325.90   0.50580
         505071.98   3634325.90   0.47999   505121.98
3634325.90   0.49378
         505171.98   3634325.90   0.45727   505221.98
3634325.90   0.45225
         502221.98   3634375.90   0.38902   502271.98
3634375.90   0.40277
         502321.98   3634375.90   0.41264   502371.98
3634375.90   0.42414
         502421.98   3634375.90   0.44352   502471.98
3634375.90   0.46457
         502521.98   3634375.90   0.49005   502571.98
3634375.90   0.51027

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634375.90	0.52375	502671.98	3634375.90	0.53630
504771.98	3634375.90	0.66145	504821.98	3634375.90	0.66985
504871.98	3634375.90	0.64175	504921.98	3634375.90	0.63149
504971.98	3634375.90	0.59678	505021.98	3634375.90	0.52674
505071.98	3634375.90	0.50508	505121.98	3634375.90	0.52284
505171.98	3634375.90	0.48817	505221.98	3634375.90	0.46327
502221.98	3634425.90	0.41118	502271.98	3634425.90	0.42720
502321.98	3634425.90	0.44181	502371.98	3634425.90	0.45745
502421.98	3634425.90	0.47576	502471.98	3634425.90	0.49261
502521.98	3634425.90	0.51406	502571.98	3634425.90	0.53566
502621.98	3634425.90	0.56014	502671.98	3634425.90	0.58567
504771.98	3634425.90	0.69733	504821.98	3634425.90	0.69420
504871.98	3634425.90	0.70996	504921.98	3634425.90	0.70271
504971.98	3634425.90	0.63169	505021.98	3634425.90	0.58814
505071.98	3634425.90	0.57665	505121.98	3634425.90	0.55768
505171.98	3634425.90	0.52038	505221.98	3634425.90	0.48770
502221.98	3634475.90	0.42493	502271.98	3634475.90	0.44086
502321.98	3634475.90	0.45707	502371.98	3634475.90	0.47443
502421.98	3634475.90	0.49354	502471.98	3634475.90	0.51265
502521.98	3634475.90	0.53642	502571.98	3634475.90	0.56070
502621.98	3634475.90	0.58802	502671.98		

```
3634475.90        0.61803
         504771.98    3634475.90        0.73987                          504821.98
3634475.90        0.70249
         504871.98    3634475.90        0.72362                          504921.98
3634475.90        0.73853
         504971.98    3634475.90        0.69142                          505021.98
3634475.90        0.65216
         505071.98    3634475.90        0.62222                          505121.98
3634475.90        0.58755
         505171.98    3634475.90        0.55037                          505221.98
3634475.90        0.51569
         502221.98    3634525.90        0.43760                          502271.98
3634525.90        0.45292
         502321.98    3634525.90        0.46981                          502371.98
3634525.90        0.48854
         502421.98    3634525.90        0.50814                          502471.98
3634525.90        0.52977
         502521.98    3634525.90        0.55285                          502571.98
3634525.90        0.57996
         502621.98    3634525.90        0.61086                          502671.98
3634525.90        0.64878
         504771.98    3634525.90        0.82326                          504821.98
3634525.90        0.75200
         504871.98    3634525.90        0.75862                          504921.98
3634525.90        0.74699
         504971.98    3634525.90        0.70162                          505021.98
3634525.90        0.66839
         505071.98    3634525.90        0.63676                          505121.98
3634525.90        0.60403
         505171.98    3634525.90        0.56573                          505221.98
3634525.90        0.52544
         502221.98    3634575.90        0.45122                          502271.98
3634575.90        0.46281
         502321.98    3634575.90        0.47905                          502371.98
3634575.90        0.49782
         502421.98    3634575.90        0.51885                          502471.98
3634575.90        0.54198
         502521.98    3634575.90        0.56624                          502571.98
3634575.90        0.59462
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 148
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE      ***
                                   INCLUDING SOURCE(S):     FIRE        ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634575.90	0.62598	502671.98	3634575.90	0.66519
504771.98	3634575.90	0.90229	504821.98	3634575.90	0.84023
504871.98	3634575.90	0.79210	504921.98	3634575.90	0.72698
504971.98	3634575.90	0.69199	505021.98	3634575.90	0.66731
505071.98	3634575.90	0.63826	505121.98	3634575.90	0.60774
505171.98	3634575.90	0.55635	505221.98	3634575.90	0.51593
502221.98	3634625.90	0.45891	502271.98	3634625.90	0.47403
502321.98	3634625.90	0.48507	502371.98	3634625.90	0.50336
502421.98	3634625.90	0.52367	502471.98	3634625.90	0.54657
502521.98	3634625.90	0.57572	502571.98	3634625.90	0.60325
502621.98	3634625.90	0.63431	502671.98	3634625.90	0.66848
504771.98	3634625.90	0.85203	504821.98	3634625.90	0.79011
504871.98	3634625.90	0.74782	504921.98	3634625.90	0.71177
504971.98	3634625.90	0.68621	505021.98	3634625.90	0.66302
505071.98	3634625.90	0.63543	505121.98	3634625.90	0.60374
505171.98	3634625.90	0.53987	505221.98	3634625.90	0.49502
502221.98	3634675.90	0.45979	502271.98	3634675.90	0.47957
502321.98	3634675.90	0.49792	502371.98	3634675.90	0.51449
502421.98	3634675.90	0.53479	502471.98	3634675.90	0.55685
502521.98	3634675.90	0.58035	502571.98		

3634675.90   0.60859
         502621.98   3634675.90   0.63928   502671.98
3634675.90   0.66874
         504771.98   3634675.90   0.82778   504821.98
3634675.90   0.78378
         504871.98   3634675.90   0.73609   504921.98
3634675.90   0.70100
         504971.98   3634675.90   0.67156   505021.98
3634675.90   0.65387
         505071.98   3634675.90   0.62588   505121.98
3634675.90   0.59348
         505171.98   3634675.90   0.53943   505221.98
3634675.90   0.49094
         502221.98   3634725.90   0.46006   502271.98
3634725.90   0.47751
         502321.98   3634725.90   0.48987   502371.98
3634725.90   0.50766
         502421.98   3634725.90   0.53159   502471.98
3634725.90   0.55413
         502521.98   3634725.90   0.57501   502571.98
3634725.90   0.60268
         502621.98   3634725.90   0.63071   502671.98
3634725.90   0.66483
         504771.98   3634725.90   0.81177   504821.98
3634725.90   0.76239
         504871.98   3634725.90   0.71837   504921.98
3634725.90   0.68591
         504971.98   3634725.90   0.66309   505021.98
3634725.90   0.64426
         505071.98   3634725.90   0.60957   505121.98
3634725.90   0.57342
         505171.98   3634725.90   0.51137   505221.98
3634725.90   0.47897
         502221.98   3634775.90   0.46298   502271.98
3634775.90   0.48065
         502321.98   3634775.90   0.48669   502371.98
3634775.90   0.50118
         502421.98   3634775.90   0.51763   502471.98
3634775.90   0.53832
         502521.98   3634775.90   0.56866   502571.98
3634775.90   0.59048

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634775.90	0.61669	502671.98	3634775.90	0.64678
504771.98	3634775.90	0.79378	504821.98	3634775.90	0.74493
504871.98	3634775.90	0.70024	504921.98	3634775.90	0.67036
504971.98	3634775.90	0.65533	505021.98	3634775.90	0.61926
505071.98	3634775.90	0.58740	505121.98	3634775.90	0.55536
505171.98	3634775.90	0.49055	505221.98	3634775.90	0.45227
502221.98	3634825.90	0.46128	502271.98	3634825.90	0.47634
502321.98	3634825.90	0.48801	502371.98	3634825.90	0.50201
502421.98	3634825.90	0.51362	502471.98	3634825.90	0.52544
502521.98	3634825.90	0.55460	502571.98	3634825.90	0.57781
502621.98	3634825.90	0.60033	502671.98	3634825.90	0.62304
504771.98	3634825.90	0.77527	504821.98	3634825.90	0.71574
504871.98	3634825.90	0.67745	504921.98	3634825.90	0.65702
504971.98	3634825.90	0.62836	505021.98	3634825.90	0.55826
505071.98	3634825.90	0.53734	505121.98	3634825.90	0.51590
505171.98	3634825.90	0.46294	505221.98	3634825.90	0.43121
502221.98	3634875.90	0.46114	502271.98	3634875.90	0.46682
502321.98	3634875.90	0.47859	502371.98	3634875.90	0.49314
502421.98	3634875.90	0.50742	502471.98		

```
3634875.90        0.52243
         502521.98    3634875.90        0.53830                        502571.98
3634875.90        0.55660
         502621.98    3634875.90        0.57737                        502671.98
3634875.90        0.59982
         504771.98    3634875.90        0.75268                        504821.98
3634875.90        0.70965
         504871.98    3634875.90        0.65763                        504921.98
3634875.90        0.63936
         504971.98    3634875.90        0.60043                        505021.98
3634875.90        0.52450
         505071.98    3634875.90        0.47390                        505121.98
3634875.90        0.46707
         505171.98    3634875.90        0.43797                        505221.98
3634875.90        0.42138
         502221.98    3634925.90        0.45039                        502271.98
3634925.90        0.45682
         502321.98    3634925.90        0.46828                        502371.98
3634925.90        0.48003
         502421.98    3634925.90        0.49303                        502471.98
3634925.90        0.50365
         502521.98    3634925.90        0.51971                        502571.98
3634925.90        0.53550
         502621.98    3634925.90        0.55113                        502671.98
3634925.90        0.57235
         504771.98    3634925.90        0.73132                        504821.98
3634925.90        0.68656
         504871.98    3634925.90        0.64128                        504921.98
3634925.90        0.61645
         504971.98    3634925.90        0.59024                        505021.98
3634925.90        0.51256
         505071.98    3634925.90        0.45539                        505121.98
3634925.90        0.44541
         505171.98    3634925.90        0.42498                        505221.98
3634925.90        0.41442
         502221.98    3634975.90        0.43740                        502271.98
3634975.90        0.44602
         502321.98    3634975.90        0.45352                        502371.98
3634975.90        0.46446
         502421.98    3634975.90        0.47567                        502471.98
3634975.90        0.48611
         502521.98    3634975.90        0.49990                        502571.98
3634975.90        0.51252
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***

INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634975.90	0.52717	502671.98	3634975.90	0.54401
504821.98	3634975.90	0.66840	504871.98	3634975.90	0.62862
504921.98	3634975.90	0.59397	504971.98	3634975.90	0.57563
505021.98	3634975.90	0.51822	505071.98	3634975.90	0.46558
505121.98	3634975.90	0.46639	505171.98	3634975.90	0.44681
505221.98	3634975.90	0.42471	502221.98	3635025.90	0.42341
502271.98	3635025.90	0.43259	502321.98	3635025.90	0.44068
502371.98	3635025.90	0.44899	502421.98	3635025.90	0.46024
502471.98	3635025.90	0.47048	502521.98	3635025.90	0.48253
502571.98	3635025.90	0.49359	502621.98	3635025.90	0.50609
502671.98	3635025.90	0.51829	504871.98	3635025.90	0.61500
504921.98	3635025.90	0.57806	504971.98	3635025.90	0.56134
505021.98	3635025.90	0.52007	505071.98	3635025.90	0.48542
505121.98	3635025.90	0.48406	505171.98	3635025.90	0.46759
505221.98	3635025.90	0.44320	502221.98	3635075.90	0.41136
502271.98	3635075.90	0.41782	502321.98	3635075.90	0.42800
502371.98	3635075.90	0.43665	502421.98	3635075.90	0.44550
502471.98	3635075.90	0.45488	502521.98		

```
3635075.90        0.46525
         502571.98    3635075.90        0.47587                      502621.98
3635075.90        0.48479
         502671.98    3635075.90        0.49784                      504921.98
3635075.90        0.57056
         504971.98    3635075.90        0.54191                      505021.98
3635075.90        0.52345
         505071.98    3635075.90        0.50258                      505121.98
3635075.90        0.48779
         505171.98    3635075.90        0.47248                      505221.98
3635075.90        0.45622
         502221.98    3635125.90        0.39578                      502271.98
3635125.90        0.40423
         502321.98    3635125.90        0.41157                      502371.98
3635125.90        0.41932
         502421.98    3635125.90        0.42677                      502471.98
3635125.90        0.43406
         502521.98    3635125.90        0.44462                      502571.98
3635125.90        0.45663
         502621.98    3635125.90        0.46756                      502671.98
3635125.90        0.47881
         505021.98    3635125.90        0.51082                      505071.98
3635125.90        0.49331
         505121.98    3635125.90        0.47814                      505171.98
3635125.90        0.46663
         505221.98    3635125.90        0.44774                      502221.98
3635175.90        0.38021
         502271.98    3635175.90        0.39086                      502321.98
3635175.90        0.39484
         502371.98    3635175.90        0.40080                      502421.98
3635175.90        0.40748
         502471.98    3635175.90        0.41455                      502521.98
3635175.90        0.42273
         502571.98    3635175.90        0.43438                      502621.98
3635175.90        0.44851
         502671.98    3635175.90        0.46059                      505121.98
3635175.90        0.48480
         505171.98    3635175.90        0.46888                      505221.98
3635175.90        0.44779
         502221.98    3635225.90        0.36636                      502271.98
3635225.90        0.37388
         502321.98    3635225.90        0.37998                      502371.98
3635225.90        0.38586
         502421.98    3635225.90        0.39204                      502471.98
3635225.90        0.39911
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3635225.90	0.40790	502571.98	3635225.90	0.41805
502621.98	3635225.90	0.42840	502671.98	3635225.90	0.44139
502221.98	3635275.90	0.35053	502271.98	3635275.90	0.36002
502321.98	3635275.90	0.36360	502371.98	3635275.90	0.36905
502421.98	3635275.90	0.37579	502471.98	3635275.90	0.38270
502521.98	3635275.90	0.38854	502571.98	3635275.90	0.40015
502621.98	3635275.90	0.41088	502671.98	3635275.90	0.42178
502221.98	3635325.90	0.33740	502271.98	3635325.90	0.34619
502321.98	3635325.90	0.35028	502371.98	3635325.90	0.35495
502421.98	3635325.90	0.36049	502471.98	3635325.90	0.36731
502521.98	3635325.90	0.37530	502571.98	3635325.90	0.38579
502621.98	3635325.90	0.39547	502671.98	3635325.90	0.40559
502221.98	3635375.90	0.32689	502271.98	3635375.90	0.33396
502321.98	3635375.90	0.33824	502371.98	3635375.90	0.34303
502421.98	3635375.90	0.34835	502471.98	3635375.90	0.35451
502521.98	3635375.90	0.36453	502571.98	3635375.90	0.37327
502621.98	3635375.90	0.38252	502671.98		

```
3635375.90        0.39321
         502221.98    3635425.90        0.31516                      502271.98
3635425.90        0.32344
         502321.98    3635425.90        0.32824                      502371.98
3635425.90        0.33365
         502421.98    3635425.90        0.33912                      502471.98
3635425.90        0.34473
         502521.98    3635425.90        0.35296                      502571.98
3635425.90        0.36208
         502621.98    3635425.90        0.37128                      502671.98
3635425.90        0.38146
         504771.98    3635425.90        0.58525                      502221.98
3635475.90        0.30674
         502271.98    3635475.90        0.31304                      502321.98
3635475.90        0.31843
         502371.98    3635475.90        0.32394                      502421.98
3635475.90        0.32958
         502471.98    3635475.90        0.33387                      502521.98
3635475.90        0.34413
         502571.98    3635475.90        0.35279                      502621.98
3635475.90        0.36198
         502671.98    3635475.90        0.36931                      504771.98
3635475.90        0.56448
         504821.98    3635475.90        0.54626                      504871.98
3635475.90        0.52624
         504921.98    3635475.90        0.50917                      502221.98
3635525.90        0.29512
         502271.98    3635525.90        0.30411                      502321.98
3635525.90        0.30963
         502371.98    3635525.90        0.31600                      502421.98
3635525.90        0.32147
         502471.98    3635525.90        0.32729                      502521.98
3635525.90        0.33558
         502571.98    3635525.90        0.34335                      502621.98
3635525.90        0.35100
         502671.98    3635525.90        0.35880                      502721.98
3635525.90        0.36791
         502771.98    3635525.90        0.37863                      502821.98
3635525.90        0.39005
         502871.98    3635525.90        0.40315                      502921.98
3635525.90        0.41625
         502971.98    3635525.90        0.43052                      503021.98
3635525.90        0.44636
         503071.98    3635525.90        0.46618                      503121.98
3635525.90        0.49285
         503171.98    3635525.90        0.51259                      503221.98
3635525.90        0.52445
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503271.98	3635525.90	0.53986	503321.98	3635525.90	0.55858
503371.98	3635525.90	0.57760	503421.98	3635525.90	0.59771
503471.98	3635525.90	0.61487	503521.98	3635525.90	0.63615
503571.98	3635525.90	0.66281	503621.98	3635525.90	0.69329
503671.98	3635525.90	0.71281	503721.98	3635525.90	0.72711
503771.98	3635525.90	0.73543	503821.98	3635525.90	0.73568
503871.98	3635525.90	0.73606	503921.98	3635525.90	0.73668
503971.98	3635525.90	0.73562	504021.98	3635525.90	0.74540
504071.98	3635525.90	0.75415	504121.98	3635525.90	0.75911
504171.98	3635525.90	0.75455	504221.98	3635525.90	0.75784
504271.98	3635525.90	0.74290	504321.98	3635525.90	0.73058
504371.98	3635525.90	0.71510	504421.98	3635525.90	0.69732
504471.98	3635525.90	0.68071	504521.98	3635525.90	0.66141
504571.98	3635525.90	0.63496	504621.98	3635525.90	0.61340
504671.98	3635525.90	0.59316	504721.98	3635525.90	0.57063
504771.98	3635525.90	0.55244	504821.98		

```
3635525.90        0.53372
         504871.98    3635525.90        0.51558                    504921.98
3635525.90        0.50228
         504971.98    3635525.90        0.48396                    505021.98
3635525.90        0.46495
         505071.98    3635525.90        0.45061                    505121.98
3635525.90        0.43771
         505171.98    3635525.90        0.42592                    505221.98
3635525.90        0.41536
         502221.98    3635575.90        0.28634                    502271.98
3635575.90        0.29592
         502321.98    3635575.90        0.30238                    502371.98
3635575.90        0.30775
         502421.98    3635575.90        0.31334                    502471.98
3635575.90        0.32025
         502521.98    3635575.90        0.32826                    502571.98
3635575.90        0.33578
         502621.98    3635575.90        0.34302                    502671.98
3635575.90        0.35067
         502721.98    3635575.90        0.35964                    502771.98
3635575.90        0.37032
         502821.98    3635575.90        0.38126                    502871.98
3635575.90        0.39307
         502921.98    3635575.90        0.40542                    502971.98
3635575.90        0.41834
         503021.98    3635575.90        0.43268                    503071.98
3635575.90        0.45176
         503121.98    3635575.90        0.47804                    503171.98
3635575.90        0.49544
         503221.98    3635575.90        0.49806                    503271.98
3635575.90        0.51229
         503321.98    3635575.90        0.52932                    503371.98
3635575.90        0.54542
         503421.98    3635575.90        0.56282                    503471.98
3635575.90        0.57820
         503521.98    3635575.90        0.59762                    503571.98
3635575.90        0.62213
         503621.98    3635575.90        0.64767                    503671.98
3635575.90        0.66502
         503721.98    3635575.90        0.68002                    503771.98
3635575.90        0.68704
         503821.98    3635575.90        0.69188                    503871.98
3635575.90        0.68949
         503921.98    3635575.90        0.69202                    503971.98
3635575.90        0.69217
         504021.98    3635575.90        0.70978                    504071.98
3635575.90        0.71481
         504121.98    3635575.90        0.71510                    504171.98
3635575.90        0.71448
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         504221.98   3635575.90   0.71286   504271.98
3635575.90   0.71103
         504321.98   3635575.90   0.69957   504371.98
3635575.90   0.68510
         504421.98   3635575.90   0.66965   504471.98
3635575.90   0.65739
         504521.98   3635575.90   0.63809   504571.98
3635575.90   0.62234
         504621.98   3635575.90   0.59756   504671.98
3635575.90   0.57969
         504721.98   3635575.90   0.56085   504771.98
3635575.90   0.54217
         504821.98   3635575.90   0.52364   504871.98
3635575.90   0.50820
         504921.98   3635575.90   0.49584   504971.98
3635575.90   0.47694
         505021.98   3635575.90   0.45954   505071.98
3635575.90   0.44450
         505121.98   3635575.90   0.42569   505171.98
3635575.90   0.41960
         505221.98   3635575.90   0.40471   502221.98
3635625.90   0.27790
         502271.98   3635625.90   0.28653   502321.98
3635625.90   0.29345
         502371.98   3635625.90   0.30070   502421.98
3635625.90   0.30425
         502471.98   3635625.90   0.31050   502521.98
3635625.90   0.31763
         502571.98   3635625.90   0.32759   502621.98

3635625.90 0.33646
502671.98 3635625.90 0.34361 502721.98
3635625.90 0.35185
502771.98 3635625.90 0.36129 502821.98
3635625.90 0.37107
502871.98 3635625.90 0.38150 502921.98
3635625.90 0.39259
502971.98 3635625.90 0.40456 503021.98
3635625.90 0.41723
503071.98 3635625.90 0.43105 503121.98
3635625.90 0.44550
503171.98 3635625.90 0.45958 503221.98
3635625.90 0.47310
503271.98 3635625.90 0.48824 503321.98
3635625.90 0.50338
503371.98 3635625.90 0.52014 503421.98
3635625.90 0.53562
503471.98 3635625.90 0.54787 503521.98
3635625.90 0.56488
503571.98 3635625.90 0.58667 503621.98
3635625.90 0.60802
503671.98 3635625.90 0.62109 503721.98
3635625.90 0.63447
503771.98 3635625.90 0.64326 503821.98
3635625.90 0.64828
503871.98 3635625.90 0.65241 503921.98
3635625.90 0.65420
503971.98 3635625.90 0.65721 504021.98
3635625.90 0.66903
504071.98 3635625.90 0.67549 504121.98
3635625.90 0.67812
504171.98 3635625.90 0.67798 504221.98
3635625.90 0.67456
504271.98 3635625.90 0.67113 504321.98
3635625.90 0.67165
504371.98 3635625.90 0.66037 504421.98
3635625.90 0.64495
504471.98 3635625.90 0.63274 504521.98
3635625.90 0.61736
504571.98 3635625.90 0.60476 504621.98
3635625.90 0.58569
504671.98 3635625.90 0.56920 504721.98
3635625.90 0.55013
504771.98 3635625.90 0.53143 504821.98
3635625.90 0.51444
504871.98 3635625.90 0.50004 504921.98
3635625.90 0.48838
504971.98 3635625.90 0.46956 505021.98
3635625.90 0.45895
505071.98 3635625.90 0.44517 505121.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                    INCLUDING SOURCE(S):   FIRE   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                                ** CONC OF PM_10   IN MICROGRAMS/M**3   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3635675.90 0.52258
503521.98 3635675.90 0.53809 503571.98
3635675.90 0.55634
503621.98 3635675.90 0.57416 503671.98
3635675.90 0.58773
503721.98 3635675.90 0.59760 503771.98
3635675.90 0.60516
503821.98 3635675.90 0.61004 503871.98
3635675.90 0.61499
503921.98 3635675.90 0.61649 503971.98
3635675.90 0.62162
504021.98 3635675.90 0.63196 504071.98
3635675.90 0.63821
504121.98 3635675.90 0.64401 504171.98
3635675.90 0.64662
504221.98 3635675.90 0.64558 504271.98
3635675.90 0.64189
504321.98 3635675.90 0.63895 504371.98
3635675.90 0.63570
504421.98 3635675.90 0.62557 504471.98
3635675.90 0.60965
504521.98 3635675.90 0.59369 504571.98
3635675.90 0.58490
504621.98 3635675.90 0.56637 504671.98
3635675.90 0.55495
504721.98 3635675.90 0.54020 504771.98
3635675.90 0.51601
504821.98 3635675.90 0.50525 504871.98
3635675.90 0.49175
504921.98 3635675.90 0.48032 504971.98
3635675.90 0.46252
505021.98 3635675.90 0.45000 505071.98
3635675.90 0.43889
505121.98 3635675.90 0.42036 505171.98
3635675.90 0.40796
505221.98 3635675.90 0.39751 502221.98
3635725.90 0.26365
502271.98 3635725.90 0.27176 502321.98
3635725.90 0.27870
502371.98 3635725.90 0.28598 502421.98
3635725.90 0.29120
502471.98 3635725.90 0.29804 502521.98
3635725.90 0.30457
502571.98 3635725.90 0.31388 502621.98
3635725.90 0.32254
502671.98 3635725.90 0.32979 502721.98
3635725.90 0.33739
502771.98 3635725.90 0.34452 502821.98
3635725.90 0.35278
502871.98 3635725.90 0.36192 502921.98

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503071.98	3635725.90	0.40292	503121.98	3635725.90	0.41445
503171.98	3635725.90	0.42616	503221.98	3635725.90	0.43869
503271.98	3635725.90	0.45042	503321.98	3635725.90	0.46233
503371.98	3635725.90	0.47449	503421.98	3635725.90	0.48822
503471.98	3635725.90	0.50174	503521.98	3635725.90	0.51568
503571.98	3635725.90	0.53188	503621.98	3635725.90	0.54512
503671.98	3635725.90	0.55833	503721.98	3635725.90	0.56542
503771.98	3635725.90	0.57237	503821.98	3635725.90	0.57860
503871.98	3635725.90	0.58321	503921.98	3635725.90	0.58579
503971.98	3635725.90	0.58969	504021.98	3635725.90	0.60004
504071.98	3635725.90	0.60450	504121.98	3635725.90	0.61131
504171.98	3635725.90	0.61474	504221.98	3635725.90	0.61131
504271.98	3635725.90	0.61009	504321.98		

3635725.90 0.61155
504371.98 3635725.90 0.60686 504421.98
3635725.90 0.60144
504471.98 3635725.90 0.58789 504521.98
3635725.90 0.57422
504571.98 3635725.90 0.56501 504621.98
3635725.90 0.55116
504671.98 3635725.90 0.53720 504721.98
3635725.90 0.52753
504771.98 3635725.90 0.51425 504821.98
3635725.90 0.49770
504871.98 3635725.90 0.48570 504921.98
3635725.90 0.47237
504971.98 3635725.90 0.45554 505021.98
3635725.90 0.44136
505071.98 3635725.90 0.43107 505121.98
3635725.90 0.41514
505171.98 3635725.90 0.40306 505221.98
3635725.90 0.39220
502221.98 3635775.90 0.25803 502271.98
3635775.90 0.26651
502321.98 3635775.90 0.27306 502371.98
3635775.90 0.28040
502421.98 3635775.90 0.28584 502471.98
3635775.90 0.29235
502521.98 3635775.90 0.29901 502571.98
3635775.90 0.30676
502621.98 3635775.90 0.31451 502671.98
3635775.90 0.32212
502721.98 3635775.90 0.33099 502771.98
3635775.90 0.33898
502821.98 3635775.90 0.34639 502871.98
3635775.90 0.35424
502921.98 3635775.90 0.36133 502971.98
3635775.90 0.37143
503021.98 3635775.90 0.38129 503071.98
3635775.90 0.39211
503121.98 3635775.90 0.40281 503171.98
3635775.90 0.41348
503221.98 3635775.90 0.42437 503271.98
3635775.90 0.43521
503321.98 3635775.90 0.44604 503371.98
3635775.90 0.45688
503421.98 3635775.90 0.46887 503471.98
3635775.90 0.48133
503521.98 3635775.90 0.49353 503571.98
3635775.90 0.50633
503621.98 3635775.90 0.51723 503671.98
3635775.90 0.52960
503721.98 3635775.90 0.53967 503771.98

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504021.98	3635775.90	0.56957	504071.98	3635775.90	0.57086
504121.98	3635775.90	0.57856	504171.98	3635775.90	0.58260
504221.98	3635775.90	0.58239	504271.98	3635775.90	0.58191
504321.98	3635775.90	0.58409	504371.98	3635775.90	0.58259
504421.98	3635775.90	0.57806	504471.98	3635775.90	0.56712
504521.98	3635775.90	0.55683	504571.98	3635775.90	0.54847
504621.98	3635775.90	0.53577	504671.98	3635775.90	0.52519
504721.98	3635775.90	0.51477	504771.98	3635775.90	0.50206
504821.98	3635775.90	0.48950	504871.98	3635775.90	0.47688
504921.98	3635775.90	0.46424	504971.98	3635775.90	0.44795
505021.98	3635775.90	0.43468	505071.98	3635775.90	0.42485
505121.98	3635775.90	0.41098	505171.98		

3635775.90 0.39871
505221.98 3635775.90 0.38709 502221.98
3635825.90 0.25297
502271.98 3635825.90 0.26148 502321.98
3635825.90 0.26804
502371.98 3635825.90 0.27537 502421.98
3635825.90 0.28063
502471.98 3635825.90 0.28718 502521.98
3635825.90 0.29356
502571.98 3635825.90 0.30115 502621.98
3635825.90 0.30873
502671.98 3635825.90 0.31627 502721.98
3635825.90 0.32387
502771.98 3635825.90 0.33214 502821.98
3635825.90 0.33955
502871.98 3635825.90 0.34703 502921.98
3635825.90 0.35360
502971.98 3635825.90 0.36319 503021.98
3635825.90 0.37191
503071.98 3635825.90 0.38163 503121.98
3635825.90 0.39161
503171.98 3635825.90 0.40147 503221.98
3635825.90 0.41092
503271.98 3635825.90 0.42075 503321.98
3635825.90 0.43080
503371.98 3635825.90 0.44107 503421.98
3635825.90 0.45183
503471.98 3635825.90 0.46323 503521.98
3635825.90 0.47509
503571.98 3635825.90 0.48574 503621.98
3635825.90 0.49478
503671.98 3635825.90 0.50475 503721.98
3635825.90 0.51362
503771.98 3635825.90 0.52068 503821.98
3635825.90 0.52419
503871.98 3635825.90 0.52662 503921.98
3635825.90 0.52871
503971.98 3635825.90 0.53160 504021.98
3635825.90 0.54228
504071.98 3635825.90 0.54091 504121.98
3635825.90 0.54509
504171.98 3635825.90 0.55313 504221.98
3635825.90 0.55545
504271.98 3635825.90 0.55361 504321.98
3635825.90 0.55597
504371.98 3635825.90 0.55798 504421.98
3635825.90 0.55524
504471.98 3635825.90 0.54727 504521.98
3635825.90 0.53730
504571.98 3635825.90 0.53137 504621.98

3635825.90   0.52108
         504671.98   3635825.90   0.51210   504721.98
3635825.90   0.50379
         504771.98   3635825.90   0.49222   504821.98
3635825.90   0.47897
         504871.98   3635825.90   0.46655   504921.98
3635825.90   0.45527

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3635875.90 0.35469
503021.98 3635875.90 0.36282 503071.98
3635875.90 0.37174
503121.98 3635875.90 0.38091 503171.98
3635875.90 0.38995
503221.98 3635875.90 0.39867 503271.98
3635875.90 0.40739
503321.98 3635875.90 0.41708 503371.98
3635875.90 0.42659
503421.98 3635875.90 0.43665 503471.98
3635875.90 0.44727
503521.98 3635875.90 0.45736 503571.98
3635875.90 0.46732
503621.98 3635875.90 0.47514 503671.98
3635875.90 0.48447
503721.98 3635875.90 0.49211 503771.98
3635875.90 0.49839
503821.98 3635875.90 0.50138 503871.98
3635875.90 0.50239
503921.98 3635875.90 0.50586 503971.98
3635875.90 0.50960
504021.98 3635875.90 0.51660 504071.98
3635875.90 0.51678
504121.98 3635875.90 0.52110 504171.98
3635875.90 0.52663
504221.98 3635875.90 0.52760 504271.98
3635875.90 0.52842
504321.98 3635875.90 0.53153 504371.98
3635875.90 0.53195
504421.98 3635875.90 0.52909 504471.98
3635875.90 0.52753
504521.98 3635875.90 0.52171 504571.98
3635875.90 0.51446
504621.98 3635875.90 0.50637 504671.98
3635875.90 0.49808
504721.98 3635875.90 0.49203 504771.98
3635875.90 0.48134
504821.98 3635875.90 0.46910 504871.98
3635875.90 0.45813
504921.98 3635875.90 0.44690 504971.98
3635875.90 0.43356
505021.98 3635875.90 0.42351 505071.98
3635875.90 0.41287
505121.98 3635875.90 0.40077 505171.98
3635875.90 0.38936
505221.98 3635875.90 0.37782 502221.98
3635925.90 0.24402
502271.98 3635925.90 0.25250 502321.98
3635925.90 0.25892
502371.98 3635925.90 0.26596 502421.98

3635925.90   0.27120
         502471.98   3635925.90   0.27729   502521.98
3635925.90   0.28261
         502571.98   3635925.90   0.28941   502621.98
3635925.90   0.29604
         502671.98   3635925.90   0.30316   502721.98
3635925.90   0.31081
         502771.98   3635925.90   0.31876   502821.98
3635925.90   0.32525

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502871.98   3635925.90   0.33263   502921.98
3635925.90   0.33824
         502971.98   3635925.90   0.34659   503021.98
3635925.90   0.35405
         503071.98   3635925.90   0.36219   503121.98
3635925.90   0.37060
         503171.98   3635925.90   0.37877   503221.98
3635925.90   0.38685
         503271.98   3635925.90   0.39520   503321.98
3635925.90   0.40401
         503371.98   3635925.90   0.41309   503421.98
3635925.90   0.42271
         503471.98   3635925.90   0.43192   503521.98
3635925.90   0.44068
         503571.98   3635925.90   0.45032   503621.98
3635925.90   0.45822
         503671.98   3635925.90   0.46639   503721.98
3635925.90   0.47254
         503771.98   3635925.90   0.47683   503821.98

3635925.90 0.48054
503871.98 3635925.90 0.48398 503921.98
3635925.90 0.48674
503971.98 3635925.90 0.48960 504021.98
3635925.90 0.49442
504071.98 3635925.90 0.49708 504121.98
3635925.90 0.49970
504171.98 3635925.90 0.50277 504221.98
3635925.90 0.50374
504271.98 3635925.90 0.50700 504321.98
3635925.90 0.50961
504371.98 3635925.90 0.50875 504421.98
3635925.90 0.50621
504471.98 3635925.90 0.50379 504521.98
3635925.90 0.50143
504571.98 3635925.90 0.49796 504621.98
3635925.90 0.49398
504671.98 3635925.90 0.48467 504721.98
3635925.90 0.47688
504771.98 3635925.90 0.46897 504821.98
3635925.90 0.46066
504871.98 3635925.90 0.44989 504921.98
3635925.90 0.43930
504971.98 3635925.90 0.42567 505021.98
3635925.90 0.41439
505071.98 3635925.90 0.40390 505121.98
3635925.90 0.39477
505171.98 3635925.90 0.38447 505221.98
3635925.90 0.37138
502221.98 3635975.90 0.23912 502271.98
3635975.90 0.24701
502321.98 3635975.90 0.25358 502371.98
3635975.90 0.26099
502421.98 3635975.90 0.26625 502471.98
3635975.90 0.27232
502521.98 3635975.90 0.27770 502571.98
3635975.90 0.28493
502621.98 3635975.90 0.29123 502671.98
3635975.90 0.29743
502721.98 3635975.90 0.30456 502771.98
3635975.90 0.31181
502821.98 3635975.90 0.31809 502871.98
3635975.90 0.32574
502921.98 3635975.90 0.33125 502971.98
3635975.90 0.33899
503021.98 3635975.90 0.34568 503071.98
3635975.90 0.35333
503121.98 3635975.90 0.36073 503171.98
3635975.90 0.36832
503221.98 3635975.90 0.37583 503271.98

3635975.90   0.38393
         503321.98   3635975.90   0.39212   503371.98
3635975.90   0.40110
         503421.98   3635975.90   0.40891   503471.98
3635975.90   0.41748
         503521.98   3635975.90   0.42646   503571.98
3635975.90   0.43487
         503621.98   3635975.90   0.44250   503671.98
3635975.90   0.44936
         503721.98   3635975.90   0.45478   503771.98
3635975.90   0.45882

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635975.90 0.46567
504721.98 3635975.90 0.45906 504771.98
3635975.90 0.45313
504821.98 3635975.90 0.44740 504871.98
3635975.90 0.43960
504921.98 3635975.90 0.43089 504971.98
3635975.90 0.41817
505021.98 3635975.90 0.40753 505071.98
3635975.90 0.39739
505121.98 3635975.90 0.38807 505171.98
3635975.90 0.37832
505221.98 3635975.90 0.36933 501721.98
3632475.90 0.12685
501821.98 3632475.90 0.13121 501921.98
3632475.90 0.13559
502021.98 3632475.90 0.14038 502121.98
3632475.90 0.14460
502221.98 3632475.90 0.14856 502321.98
3632475.90 0.15423
502421.98 3632475.90 0.15834 502521.98
3632475.90 0.16273
502621.98 3632475.90 0.16411 502721.98
3632475.90 0.16617
502821.98 3632475.90 0.16943 502921.98
3632475.90 0.17229
503021.98 3632475.90 0.17403 503121.98
3632475.90 0.17560
503221.98 3632475.90 0.18083 503321.98
3632475.90 0.18195
503421.98 3632475.90 0.18518 503721.98
3632475.90 0.19685
503821.98 3632475.90 0.19803 503921.98
3632475.90 0.19645
504021.98 3632475.90 0.19271 504121.98
3632475.90 0.19307
504221.98 3632475.90 0.18551 504321.98
3632475.90 0.18170
504421.98 3632475.90 0.19437 504521.98
3632475.90 0.20602
504621.98 3632475.90 0.18416 504721.98
3632475.90 0.17472
504821.98 3632475.90 0.17485 504921.98
3632475.90 0.17030
505021.98 3632475.90 0.16147 505121.98
3632475.90 0.16284
505221.98 3632475.90 0.15104 505321.98
3632475.90 0.14380
505421.98 3632475.90 0.14802 505521.98
3632475.90 0.15402
505621.98 3632475.90 0.16215 505721.98

3632475.90   0.17009
         501721.98   3632575.90   0.13060   501821.98
3632575.90   0.13511
         501921.98   3632575.90   0.13981   502021.98
3632575.90   0.14493
         502121.98   3632575.90   0.15021   502221.98
3632575.90   0.15514
         502321.98   3632575.90   0.16079   502421.98
3632575.90   0.16608
         502521.98   3632575.90   0.16989   502621.98
3632575.90   0.17361
         502721.98   3632575.90   0.17466   502821.98
3632575.90   0.17875

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3632575.90 0.19517
504721.98 3632575.90 0.17546 504821.98
3632575.90 0.17820
504921.98 3632575.90 0.17120 505021.98
3632575.90 0.15913
505121.98 3632575.90 0.16265 505221.98
3632575.90 0.15867
505321.98 3632575.90 0.15758 505421.98
3632575.90 0.16545
505521.98 3632575.90 0.16982 505621.98
3632575.90 0.17585
505721.98 3632575.90 0.17892 501721.98
3632675.90 0.13450
501821.98 3632675.90 0.13908 501921.98
3632675.90 0.14412
502021.98 3632675.90 0.14987 502121.98
3632675.90 0.15517
502221.98 3632675.90 0.16030 502321.98
3632675.90 0.16659
502421.98 3632675.90 0.17280 502521.98
3632675.90 0.17899
502621.98 3632675.90 0.18184 502721.98
3632675.90 0.18493
502821.98 3632675.90 0.18404 502921.98
3632675.90 0.18533
503021.98 3632675.90 0.18844 503721.98
3632675.90 0.22000
503821.98 3632675.90 0.22215 503921.98
3632675.90 0.21748
504021.98 3632675.90 0.20128 504121.98
3632675.90 0.18829
504221.98 3632675.90 0.17792 504321.98
3632675.90 0.17364
504421.98 3632675.90 0.18259 504521.98
3632675.90 0.19176
504621.98 3632675.90 0.18950 504721.98
3632675.90 0.18468
504821.98 3632675.90 0.18409 504921.98
3632675.90 0.17550
505021.98 3632675.90 0.16510 505121.98
3632675.90 0.16433
505221.98 3632675.90 0.16533 505321.98
3632675.90 0.16639
505421.98 3632675.90 0.17808 505521.98
3632675.90 0.18620
505621.98 3632675.90 0.18832 505721.98
3632675.90 0.18281
502421.98 3632775.90 0.16986 502521.98
3632775.90 0.17277
502621.98 3632775.90 0.18014 502721.98

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504521.98	3632775.90	0.19515	504621.98	3632775.90	0.19336
504721.98	3632775.90	0.19215	504821.98	3632775.90	0.18615
504921.98	3632775.90	0.18050	505021.98	3632775.90	0.17178
505121.98	3632775.90	0.17161	505221.98	3632775.90	0.17273
505321.98	3632775.90	0.18248	505421.98	3632775.90	0.19266
505521.98	3632775.90	0.19969	505621.98	3632775.90	0.20244
505721.98	3632775.90	0.19788	501721.98		

3632875.90 0.14410
501821.98 3632875.90 0.14909 501921.98
3632875.90 0.15435
502021.98 3632875.90 0.15963 502121.98
3632875.90 0.16569
502221.98 3632875.90 0.17101 502321.98
3632875.90 0.17779
502421.98 3632875.90 0.18581 502521.98
3632875.90 0.19358
502621.98 3632875.90 0.20125 502721.98
3632875.90 0.20441
502821.98 3632875.90 0.19900 502921.98
3632875.90 0.19388
503021.98 3632875.90 0.18858 503121.98
3632875.90 0.20392
503221.98 3632875.90 0.21726 503321.98
3632875.90 0.22395
503421.98 3632875.90 0.22947 503621.98
3632875.90 0.24338
503721.98 3632875.90 0.25043 503821.98
3632875.90 0.24882
503921.98 3632875.90 0.23275 504021.98
3632875.90 0.23064
504121.98 3632875.90 0.22578 504221.98
3632875.90 0.20697
504321.98 3632875.90 0.20058 504421.98
3632875.90 0.19824
504521.98 3632875.90 0.20029 504621.98
3632875.90 0.19937
504721.98 3632875.90 0.19888 504821.98
3632875.90 0.18907
504921.98 3632875.90 0.18236 505021.98
3632875.90 0.18259
505121.98 3632875.90 0.18309 505221.98
3632875.90 0.19273
505321.98 3632875.90 0.20188 505421.98
3632875.90 0.21192
505521.98 3632875.90 0.21256 505621.98
3632875.90 0.21649
505721.98 3632875.90 0.20971 501721.98
3632975.90 0.14862
501821.98 3632975.90 0.15403 501921.98
3632975.90 0.15970
502021.98 3632975.90 0.16583 502121.98
3632975.90 0.17184
505321.98 3632975.90 0.22580 505421.98
3632975.90 0.22865
505521.98 3632975.90 0.23315 505621.98
3632975.90 0.23107
505721.98 3632975.90 0.22198 501721.98

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633175.90	0.26679	505621.98	3633175.90	0.26677
505721.98	3633175.90	0.24784	501721.98	3633275.90	0.16440
501821.98	3633275.90	0.17091	501921.98	3633275.90	0.17706
502021.98	3633275.90	0.18412	502121.98	3633275.90	0.19001
505321.98	3633275.90	0.28251	505421.98	3633275.90	0.27260
505521.98	3633275.90	0.27905	505621.98		

```
3633275.90        0.28518
         505721.98    3633275.90        0.26644                    501721.98
3633375.90        0.17093
         501821.98    3633375.90        0.17740                    501921.98
3633375.90        0.18386
         502021.98    3633375.90        0.19091                    502121.98
3633375.90        0.19850
         505321.98    3633375.90        0.30913                    505421.98
3633375.90        0.28596
         505521.98    3633375.90        0.28333                    505621.98
3633375.90        0.29567
         505721.98    3633375.90        0.28577                    501721.98
3633475.90        0.17875
         501821.98    3633475.90        0.18569                    501921.98
3633475.90        0.19342
         502021.98    3633475.90        0.20092                    502121.98
3633475.90        0.20724
         505321.98    3633475.90        0.32844                    505421.98
3633475.90        0.29935
         505521.98    3633475.90        0.29714                    505621.98
3633475.90        0.29722
         505721.98    3633475.90        0.29765                    501721.98
3633575.90        0.18747
         501821.98    3633575.90        0.19518                    501921.98
3633575.90        0.20274
         502021.98    3633575.90        0.21024                    502121.98
3633575.90        0.22007
         505321.98    3633575.90        0.33962                    505421.98
3633575.90        0.30449
         505521.98    3633575.90        0.30223                    505621.98
3633575.90        0.30768
         505721.98    3633575.90        0.30632                    501721.98
3633675.90        0.19765
         501821.98    3633675.90        0.20492                    501921.98
3633675.90        0.21381
         502021.98    3633675.90        0.22326                    502121.98
3633675.90        0.23301
         505321.98    3633675.90        0.33794                    505421.98
3633675.90        0.30006
         505521.98    3633675.90        0.29824                    505621.98
3633675.90        0.30253
         505721.98    3633675.90        0.31439                    501721.98
3633775.90        0.20920
         501821.98    3633775.90        0.21727                    501921.98
3633775.90        0.22616
         502021.98    3633775.90        0.23563                    502121.98
3633775.90        0.24492
         505321.98    3633775.90        0.34451                    505421.98
3633775.90        0.31608
         505521.98    3633775.90        0.29931                    505621.98
```

3633775.90   0.30276
         505721.98   3633775.90   0.31937   501721.98
3633875.90   0.22112
         501821.98   3633875.90   0.23184   501921.98
3633875.90   0.23767
         502021.98   3633875.90   0.25082   502121.98
3633875.90   0.26056
         505321.98   3633875.90   0.34806   505421.98
3633875.90   0.33214
         505521.98   3633875.90   0.31408   505621.98
3633875.90   0.30224
         505721.98   3633875.90   0.32050   501721.98
3633975.90   0.23450
         501821.98   3633975.90   0.24499   501921.98
3633975.90   0.25592
         502021.98   3633975.90   0.26649   502121.98
3633975.90   0.27971
         505321.98   3633975.90   0.35354   505421.98
3633975.90   0.34074

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3634075.90 0.34825
505521.98 3634075.90 0.35516 505621.98
3634075.90 0.34434
505721.98 3634075.90 0.31353 501721.98
3634175.90 0.26138
501821.98 3634175.90 0.27698 501921.98
3634175.90 0.29143
502021.98 3634175.90 0.30033 502121.98
3634175.90 0.31731
505321.98 3634175.90 0.41299 505421.98
3634175.90 0.39987
505521.98 3634175.90 0.38317 505621.98
3634175.90 0.33589
505721.98 3634175.90 0.29663 501721.98
3634275.90 0.27669
501821.98 3634275.90 0.29050 501921.98
3634275.90 0.30506
502021.98 3634275.90 0.31966 502121.98
3634275.90 0.33641
505321.98 3634275.90 0.46213 505421.98
3634275.90 0.43297
505521.98 3634275.90 0.36251 505621.98
3634275.90 0.32673
505721.98 3634275.90 0.29011 501721.98
3634375.90 0.29666
501821.98 3634375.90 0.31473 501921.98
3634375.90 0.32789
502021.98 3634375.90 0.34461 502121.98
3634375.90 0.36733
505321.98 3634375.90 0.48073 505421.98
3634375.90 0.44096
505521.98 3634375.90 0.34988 505621.98
3634375.90 0.30469
505721.98 3634375.90 0.28174 501721.98
3634475.90 0.31541
501821.98 3634475.90 0.33567 501921.98
3634475.90 0.35579
502021.98 3634475.90 0.38040 502121.98
3634475.90 0.39964
505321.98 3634475.90 0.48493 505421.98
3634475.90 0.46746
505521.98 3634475.90 0.41351 505621.98
3634475.90 0.34279
505721.98 3634475.90 0.28544 501721.98
3634575.90 0.33001
501821.98 3634575.90 0.34882 501921.98
3634575.90 0.36968
502021.98 3634575.90 0.39493 502121.98
3634575.90 0.42310
505321.98 3634575.90 0.47285 505421.98

```
3634575.90        0.47516
         505521.98    3634575.90        0.44046                      505621.98
3634575.90        0.36736
         505721.98    3634575.90        0.29841                      501721.98
3634675.90        0.34284
         501821.98    3634675.90        0.36529                      501921.98
3634675.90        0.38646
         502021.98    3634675.90        0.41277                      502121.98
3634675.90        0.42699
         505321.98    3634675.90        0.47123                      505421.98
3634675.90        0.47375
         505521.98    3634675.90        0.44386                      505621.98
3634675.90        0.41133
         505721.98    3634675.90        0.34965                      501721.98
3634775.90        0.34861
         501821.98    3634775.90        0.37257                      501921.98
3634775.90        0.38999
         502021.98    3634775.90        0.41875                      502121.98
3634775.90        0.44099
         505321.98    3634775.90        0.46684                      505421.98
3634775.90        0.46512
```



```
                            *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE     ***
                                  INCLUDING SOURCE(S):     FIRE        ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         505521.98    3634775.90        0.43810                      505621.98
3634775.90        0.41047
         505721.98    3634775.90        0.38268                      501721.98
3634875.90        0.34830
         501821.98    3634875.90        0.37214                      501921.98
3634875.90        0.39410
         502021.98    3634875.90        0.41551                      502121.98
```

3634875.90 0.43723
505321.98 3634875.90 0.47166 505421.98
3634875.90 0.45300
505521.98 3634875.90 0.42811 505621.98
3634875.90 0.40473
505721.98 3634875.90 0.38078 501721.98
3634975.90 0.34781
501821.98 3634975.90 0.36687 501921.98
3634975.90 0.38069
502021.98 3634975.90 0.39763 502121.98
3634975.90 0.41793
505321.98 3634975.90 0.45285 505421.98
3634975.90 0.43797
505521.98 3634975.90 0.41626 505621.98
3634975.90 0.39432
505721.98 3634975.90 0.37445 501721.98
3635075.90 0.33470
501821.98 3635075.90 0.34899 501921.98
3635075.90 0.35798
502021.98 3635075.90 0.37296 502121.98
3635075.90 0.39256
505321.98 3635075.90 0.43360 505421.98
3635075.90 0.42151
505521.98 3635075.90 0.40263 505621.98
3635075.90 0.37880
505721.98 3635075.90 0.36510 501721.98
3635175.90 0.31678
501821.98 3635175.90 0.32874 501921.98
3635175.90 0.33589
502021.98 3635175.90 0.34870 502121.98
3635175.90 0.36435
505321.98 3635175.90 0.43474 505421.98
3635175.90 0.41046
505521.98 3635175.90 0.39053 505621.98
3635175.90 0.37164
505721.98 3635175.90 0.35367 501721.98
3635275.90 0.29402
501821.98 3635275.90 0.30503 501921.98
3635275.90 0.31361
502021.98 3635275.90 0.32264 502121.98
3635275.90 0.33756
505621.98 3635275.90 0.36271 505721.98
3635275.90 0.34464
501721.98 3635375.90 0.27410 501821.98
3635375.90 0.28372
501921.98 3635375.90 0.29207 502021.98
3635375.90 0.30036
502121.98 3635375.90 0.31362 505621.98
3635375.90 0.35313
501721.98 3635475.90 0.25517 501821.98

3635475.90   0.26331
         501921.98   3635475.90   0.27371   502021.98
3635475.90   0.28456
         502121.98   3635475.90   0.29262   505621.98
3635475.90   0.34756
         505721.98   3635475.90   0.33748   501721.98
3635575.90   0.23938
         501821.98   3635575.90   0.24732   501921.98
3635575.90   0.25740
         502021.98   3635575.90   0.26575   502121.98
3635575.90   0.27354
         505321.98   3635575.90   0.38363   505421.98
3635575.90   0.38131
         505521.98   3635575.90   0.36171   505621.98
3635575.90   0.34195
         505721.98   3635575.90   0.32689   501721.98
3635675.90   0.22485
         501821.98   3635675.90   0.23349   501921.98
3635675.90   0.24251
         502021.98   3635675.90   0.25073   502121.98
3635675.90   0.25877
         505321.98   3635675.90   0.37508   505421.98
3635675.90   0.35946

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635775.90 0.23038
502021.98 3635775.90 0.23893 502121.98
3635775.90 0.24805
505321.98 3635775.90 0.36488 505421.98
3635775.90 0.34448
505521.98 3635775.90 0.32730 505621.98
3635775.90 0.31358
505721.98 3635775.90 0.29706 501721.98
3635875.90 0.20087
501821.98 3635875.90 0.21018 501921.98
3635875.90 0.21995
502021.98 3635875.90 0.22814 502121.98
3635875.90 0.23764
505321.98 3635875.90 0.35253 505421.98
3635875.90 0.33818
505521.98 3635875.90 0.31998 505621.98
3635875.90 0.30443
505721.98 3635875.90 0.28930 501721.98
3635975.90 0.19194
501821.98 3635975.90 0.20172 501921.98
3635975.90 0.21092
502021.98 3635975.90 0.21886 502121.98
3635975.90 0.22832
505321.98 3635975.90 0.34844 505421.98
3635975.90 0.33135
505521.98 3635975.90 0.31436 505621.98
3635975.90 0.29711
505721.98 3635975.90 0.28430 501721.98
3636075.90 0.18555
501821.98 3636075.90 0.19376 501921.98
3636075.90 0.20255
502021.98 3636075.90 0.21069 502121.98
3636075.90 0.22015
502221.98 3636075.90 0.23104 502321.98
3636075.90 0.24401
502421.98 3636075.90 0.25690 502521.98
3636075.90 0.26803
502621.98 3636075.90 0.27952 502721.98
3636075.90 0.29252
502821.98 3636075.90 0.30559 502921.98
3636075.90 0.31773
503021.98 3636075.90 0.33030 503121.98
3636075.90 0.34167
503221.98 3636075.90 0.35574 503321.98
3636075.90 0.37100
503421.98 3636075.90 0.38646 503521.98
3636075.90 0.40177
503621.98 3636075.90 0.41428 503721.98
3636075.90 0.42324
503821.98 3636075.90 0.42927 503921.98

3636075.90   0.43292
         504021.98   3636075.90   0.43822   504121.98
3636075.90   0.44324
         504221.98   3636075.90   0.44856   504321.98
3636075.90   0.45214
         504421.98   3636075.90   0.45013   504521.98
3636075.90   0.44318
         504621.98   3636075.90   0.43321   504721.98
3636075.90   0.42609
         504821.98   3636075.90   0.41901   504921.98
3636075.90   0.40875
         505021.98   3636075.90   0.39225   505121.98
3636075.90   0.37611
         505221.98   3636075.90   0.35926   505321.98
3636075.90   0.34117
         505421.98   3636075.90   0.32620   505521.98
3636075.90   0.30769
         505621.98   3636075.90   0.29199   505721.98
3636075.90   0.27805
         501721.98   3636175.90   0.17759   501821.98
3636175.90   0.18612
         501921.98   3636175.90   0.19547   502021.98
3636175.90   0.20375
         502121.98   3636175.90   0.21295   502221.98
3636175.90   0.22379

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502321.98   3636175.90   0.23633   502421.98
3636175.90   0.24864
         502521.98   3636175.90   0.25893   502621.98

3636175.90 0.27005
502721.98 3636175.90 0.28099 502821.98
3636175.90 0.29284
502921.98 3636175.90 0.30417 503021.98
3636175.90 0.31441
503121.98 3636175.90 0.32116 503221.98
3636175.90 0.33656
503321.98 3636175.90 0.35126 503421.98
3636175.90 0.36525
503521.98 3636175.90 0.37811 503621.98
3636175.90 0.38911
503721.98 3636175.90 0.39663 503821.98
3636175.90 0.40111
503921.98 3636175.90 0.40423 504021.98
3636175.90 0.40791
504121.98 3636175.90 0.41216 504221.98
3636175.90 0.41754
504321.98 3636175.90 0.41850 504421.98
3636175.90 0.40968
504521.98 3636175.90 0.37494 504621.98
3636175.90 0.39408
504721.98 3636175.90 0.40034 504821.98
3636175.90 0.38847
504921.98 3636175.90 0.37976 505021.98
3636175.90 0.37263
505121.98 3636175.90 0.36342 505221.98
3636175.90 0.34805
505321.98 3636175.90 0.33148 505421.98
3636175.90 0.31555
505521.98 3636175.90 0.30158 505621.98
3636175.90 0.28647
505721.98 3636175.90 0.27244 501721.98
3636275.90 0.17188
501821.98 3636275.90 0.17994 501921.98
3636275.90 0.18897
502021.98 3636275.90 0.19802 502121.98
3636275.90 0.20790
502221.98 3636275.90 0.21861 502321.98
3636275.90 0.22953
502421.98 3636275.90 0.24022 502521.98
3636275.90 0.25050
502621.98 3636275.90 0.25962 502721.98
3636275.90 0.27009
502821.98 3636275.90 0.28054 502921.98
3636275.90 0.29030
503021.98 3636275.90 0.30017 503121.98
3636275.90 0.30833
503221.98 3636275.90 0.31739 503321.98
3636275.90 0.33065
503421.98 3636275.90 0.34441 503521.98

3636275.90   0.35622
         503621.98   3636275.90   0.36565   503721.98
3636275.90   0.37224
         503821.98   3636275.90   0.37611   503921.98
3636275.90   0.37847
         504021.98   3636275.90   0.38072   504121.98
3636275.90   0.38223
         504221.98   3636275.90   0.37381   504321.98
3636275.90   0.31051
         504421.98   3636275.90   0.29011   504521.98
3636275.90   0.27219
         504621.98   3636275.90   0.31751   504721.98
3636275.90   0.35950
         504821.98   3636275.90   0.33640   504921.98
3636275.90   0.35422
         505021.98   3636275.90   0.35805   505121.98
3636275.90   0.35055
         505221.98   3636275.90   0.33689   505321.98
3636275.90   0.32154
         505421.98   3636275.90   0.30693   505521.98
3636275.90   0.29443
         505621.98   3636275.90   0.28050   505721.98
3636275.90   0.26654
         501721.98   3636375.90   0.16633   501821.98
3636375.90   0.17457
         501921.98   3636375.90   0.18401   502021.98
3636375.90   0.19257

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502121.98   3636375.90   0.20208   502221.98

3636375.90 0.21165
502321.98 3636375.90 0.22108 502421.98
3636375.90 0.23167
502521.98 3636375.90 0.24136 502621.98
3636375.90 0.25124
502721.98 3636375.90 0.25956 502821.98
3636375.90 0.26797
502921.98 3636375.90 0.27619 503021.98
3636375.90 0.28408
503121.98 3636375.90 0.29051 503221.98
3636375.90 0.29670
503321.98 3636375.90 0.30863 503421.98
3636375.90 0.32480
503521.98 3636375.90 0.33540 503621.98
3636375.90 0.34352
503721.98 3636375.90 0.34975 503821.98
3636375.90 0.35342
503921.98 3636375.90 0.35313 504021.98
3636375.90 0.35295
504121.98 3636375.90 0.34759 504221.98
3636375.90 0.31937
504321.98 3636375.90 0.27338 504421.98
3636375.90 0.24959
504521.98 3636375.90 0.24485 504621.98
3636375.90 0.26989
504721.98 3636375.90 0.30305 504821.98
3636375.90 0.27799
504921.98 3636375.90 0.28332 505021.98
3636375.90 0.32674
505121.98 3636375.90 0.33451 505221.98
3636375.90 0.32315
505321.98 3636375.90 0.31095 505421.98
3636375.90 0.29910
505521.98 3636375.90 0.28650 505621.98
3636375.90 0.27399
505721.98 3636375.90 0.26121 501721.98
3636475.90 0.15923
501821.98 3636475.90 0.16792 501921.98
3636475.90 0.17869
502021.98 3636475.90 0.18650 502121.98
3636475.90 0.19504
502221.98 3636475.90 0.20433 502321.98
3636475.90 0.21422
502421.98 3636475.90 0.22420 502521.98
3636475.90 0.23291
502621.98 3636475.90 0.24173 502721.98
3636475.90 0.24933
502821.98 3636475.90 0.25535 502921.98
3636475.90 0.26208
503021.98 3636475.90 0.26752 503121.98

```
3636475.90        0.27148
         503221.98    3636475.90        0.27570                      503321.98
3636475.90        0.28894
         503421.98    3636475.90        0.30306                      503521.98
3636475.90        0.31412
         503621.98    3636475.90        0.32169                      503721.98
3636475.90        0.32824
         503821.98    3636475.90        0.32935                      503921.98
3636475.90        0.32700
         504021.98    3636475.90        0.29202                      504121.98
3636475.90        0.29989
         504221.98    3636475.90        0.29838                      504321.98
3636475.90        0.25076
         504421.98    3636475.90        0.23017                      504521.98
3636475.90        0.22374
         504621.98    3636475.90        0.22672                      504721.98
3636475.90        0.23357
         504821.98    3636475.90        0.23731                      504921.98
3636475.90        0.26475
         505021.98    3636475.90        0.30959                      505121.98
3636475.90        0.32126
         505221.98    3636475.90        0.31155                      505321.98
3636475.90        0.30093
         505421.98    3636475.90        0.29083                      505521.98
3636475.90        0.27952
         505621.98    3636475.90        0.26785                      505721.98
3636475.90        0.25641
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 168
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                   INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                L0000915    , L0000916    , L0000917    , L0000918    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- -

502721.98	3633475.90	0.91886	502771.98	3633475.90	0.95520
502821.98	3633475.90	0.99302	502871.98	3633475.90	1.03210
502921.98	3633475.90	1.07205	502971.98	3633475.90	1.11371
503021.98	3633475.90	1.15645	503071.98	3633475.90	1.19946
503121.98	3633475.90	1.24350	503171.98	3633475.90	1.28777
503221.98	3633475.90	1.32945	503271.98	3633475.90	1.37128
503321.98	3633475.90	1.12765	503371.98	3633475.90	0.85009
503421.98	3633475.90	0.86433	503471.98	3633475.90	0.89036
503521.98	3633475.90	0.93590	503621.98	3633475.90	0.94061
503671.98	3633475.90	0.83915	503721.98	3633475.90	0.77241
503771.98	3633475.90	0.78252	503821.98	3633475.90	0.74898
503871.98	3633475.90	0.75232	503921.98	3633475.90	0.81105
503971.98	3633475.90	0.81796	504021.98	3633475.90	0.78254
504071.98	3633475.90	0.79433	504121.98	3633475.90	0.82753
504171.98	3633475.90	0.79590	504221.98	3633475.90	0.81167
504271.98	3633475.90	0.83804	504321.98	3633475.90	0.83620
504371.98	3633475.90	0.76029	504421.98	3633475.90	0.71071
504471.98	3633475.90	0.68452	504521.98	3633475.90	0.67958
504571.98	3633475.90	0.69722	504621.98	3633475.90	0.71910
504671.98	3633475.90	0.72780	504721.98	3633475.90	0.74691
502721.98	3633525.90	0.95531	502771.98	3633525.90	0.99505
502821.98	3633525.90	1.03659	502871.98	3633525.90	1.07968
502921.98	3633525.90	1.12423	502971.98	3633525.90	1.17054
503021.98	3633525.90	1.21812	503071.98	3633525.90	1.26686
503121.98	3633525.90	1.31668	503171.98		

```
3633525.90        1.36640
         503221.98    3633525.90        1.41563                          503271.98
3633525.90        1.46204
         503321.98    3633525.90        1.35649                          503371.98
3633525.90        1.12443
         503421.98    3633525.90        1.09118                          503471.98
3633525.90        1.09658
         503521.98    3633525.90        1.07617                          503621.98
3633525.90        1.14695
         503671.98    3633525.90        1.06989                          503721.98
3633525.90        1.06229
         503771.98    3633525.90        0.96289                          503821.98
3633525.90        0.87470
         503871.98    3633525.90        0.90838                          503921.98
3633525.90        0.97736
         503971.98    3633525.90        0.94776                          504021.98
3633525.90        0.89329
         504071.98    3633525.90        0.91133                          504121.98
3633525.90        0.95959
         504171.98    3633525.90        0.96226                          504221.98
3633525.90        0.96964
         504271.98    3633525.90        0.93919                          504321.98
3633525.90        0.81844
         504371.98    3633525.90        0.77651                          504421.98
3633525.90        0.74634
         504471.98    3633525.90        0.73526                          504521.98
3633525.90        0.75586
         504571.98    3633525.90        0.78614                          504621.98
3633525.90        0.80688
         504671.98    3633525.90        0.80798                          504721.98
3633525.90        0.80559
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 169
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                 INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                L0000915    , L0000916    , L0000917    , L0000918    ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633575.90	0.99295	502771.98	3633575.90	1.03624
502821.98	3633575.90	1.08197	502871.98	3633575.90	1.12974
502921.98	3633575.90	1.17929	502971.98	3633575.90	1.23073
503021.98	3633575.90	1.28373	503071.98	3633575.90	1.33861
503121.98	3633575.90	1.39501	503171.98	3633575.90	1.45175
503221.98	3633575.90	1.50827	503271.98	3633575.90	1.56401
503321.98	3633575.90	1.55042	503371.98	3633575.90	1.39638
503421.98	3633575.90	1.37282	503471.98	3633575.90	1.34226
503521.98	3633575.90	1.40742	503621.98	3633575.90	1.24949
503671.98	3633575.90	1.25859	503721.98	3633575.90	1.27711
503771.98	3633575.90	1.17150	503821.98	3633575.90	1.09918
503871.98	3633575.90	1.16200	503921.98	3633575.90	1.17284
503971.98	3633575.90	1.11234	504021.98	3633575.90	1.09834
504071.98	3633575.90	1.07339	504121.98	3633575.90	1.11061
504171.98	3633575.90	1.12032	504221.98	3633575.90	1.13604
504271.98	3633575.90	0.99442	504321.98	3633575.90	0.87094
504371.98	3633575.90	0.83307	504421.98	3633575.90	0.80064
504471.98	3633575.90	0.80731	504521.98	3633575.90	0.84907
504571.98	3633575.90	0.89151	504621.98	3633575.90	0.88012
504671.98	3633575.90	0.87220	504721.98	3633575.90	0.87047
502721.98	3633625.90	1.03239	502771.98	3633625.90	1.07959
502821.98	3633625.90	1.12928	502871.98	3633625.90	1.18173
502921.98	3633625.90	1.23672	502971.98		

```
3633625.90        1.29445
         503021.98    3633625.90        1.35398                          503071.98
3633625.90        1.41596
         503121.98    3633625.90        1.47958                          503171.98
3633625.90        1.54447
         503221.98    3633625.90        1.60989                          503271.98
3633625.90        1.67440
         503321.98    3633625.90        1.73701                          503371.98
3633625.90        1.60869
         503421.98    3633625.90        1.55768                          503471.98
3633625.90        1.53057
         503521.98    3633625.90        1.56165                          503621.98
3633625.90        1.44433
         503671.98    3633625.90        1.37819                          503721.98
3633625.90        1.43218
         503771.98    3633625.90        1.29811                          503821.98
3633625.90        1.28693
         503871.98    3633625.90        1.32987                          503921.98
3633625.90        1.30592
         503971.98    3633625.90        1.29740                          504021.98
3633625.90        1.25224
         504071.98    3633625.90        1.22267                          504121.98
3633625.90        1.28180
         504171.98    3633625.90        1.29192                          504221.98
3633625.90        1.25757
         504271.98    3633625.90        1.12729                          504321.98
3633625.90        1.01984
         504371.98    3633625.90        0.93645                          504421.98
3633625.90        0.90117
         504471.98    3633625.90        0.90264                          504521.98
3633625.90        0.96874
         504571.98    3633625.90        0.98079                          504621.98
3633625.90        0.96669
         504671.98    3633625.90        0.98022                          504721.98
3633625.90        0.95821
```



```
                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                    INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                 L0000915    , L0000916    , L0000917    , L0000918    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633675.90	1.07318	502771.98	3633675.90	1.12454
502821.98	3633675.90	1.17885	502871.98	3633675.90	1.23643
502921.98	3633675.90	1.29773	502971.98	3633675.90	1.36185
503021.98	3633675.90	1.42888	503071.98	3633675.90	1.49857
503121.98	3633675.90	1.57089	503171.98	3633675.90	1.64529
503221.98	3633675.90	1.72093	503271.98	3633675.90	1.79660
503321.98	3633675.90	1.87115	503371.98	3633675.90	1.94492
503421.98	3633675.90	2.01521	503471.98	3633675.90	1.85449
503521.98	3633675.90	1.87731	503571.98	3633675.90	1.58949
503671.98	3633675.90	1.54414	503721.98	3633675.90	1.57336
503771.98	3633675.90	1.56015	503821.98	3633675.90	1.52056
503871.98	3633675.90	1.49351	503921.98	3633675.90	1.49540
503971.98	3633675.90	1.46555	504021.98	3633675.90	1.42985
504071.98	3633675.90	1.43391	504121.98	3633675.90	1.46639
504171.98	3633675.90	1.47734	504221.98	3633675.90	1.44637
504271.98	3633675.90	1.32707	504321.98	3633675.90	1.17360
504371.98	3633675.90	1.06441	504421.98	3633675.90	1.02957
504471.98	3633675.90	1.06471	504521.98	3633675.90	1.09971
504571.98	3633675.90	1.08575	504621.98	3633675.90	1.08076
504671.98	3633675.90	1.07199	504721.98	3633675.90	1.06005
502721.98	3633725.90	1.11524	502771.98		

3633725.90   1.17137
         502821.98   3633725.90   1.23070   502871.98
3633725.90   1.29428
         502921.98   3633725.90   1.36239   502971.98
3633725.90   1.43351
         503021.98   3633725.90   1.50782   503071.98
3633725.90   1.58704
         503121.98   3633725.90   1.66940   503171.98
3633725.90   1.75487
         503221.98   3633725.90   1.84259   503271.98
3633725.90   1.93164
         503321.98   3633725.90   2.02074   503371.98
3633725.90   2.10885
         503421.98   3633725.90   2.19433   503471.98
3633725.90   2.27089
         503521.98   3633725.90   2.14584   503571.98
3633725.90   2.08878
         503721.98   3633725.90   1.87050   503771.98
3633725.90   1.78065
         503821.98   3633725.90   1.76984   503871.98
3633725.90   1.71885
         503921.98   3633725.90   1.70398   503971.98
3633725.90   1.64081
         504021.98   3633725.90   1.61827   504071.98
3633725.90   1.63014
         504121.98   3633725.90   1.69838   504171.98
3633725.90   1.67352
         504221.98   3633725.90   1.61901   504271.98
3633725.90   1.60350
         504321.98   3633725.90   1.38463   504371.98
3633725.90   1.25206
         504421.98   3633725.90   1.21483   504471.98
3633725.90   1.23799
         504521.98   3633725.90   1.23515   504571.98
3633725.90   1.21433
         504621.98   3633725.90   1.24829   504671.98
3633725.90   1.21719
         504721.98   3633725.90   1.17067   502721.98
3633775.90   1.15817

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911

, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
3633825.90        1.34039
         502871.98    3633825.90        1.41717                          502921.98
3633825.90        1.50042
         502971.98    3633825.90        1.58867                          503021.98
3633825.90        1.68296
         503071.98    3633825.90        1.78353                          503121.98
3633825.90        1.89041
         503171.98    3633825.90        2.00339                          503221.98
3633825.90        2.12179
         503271.98    3633825.90        2.24453                          503771.98
3633825.90        2.47326
         503821.98    3633825.90        2.45915                          503871.98
3633825.90        2.33406
         503921.98    3633825.90        2.17985                          503971.98
3633825.90        2.14250
         504021.98    3633825.90        2.33461                          504071.98
3633825.90        2.29723
         504121.98    3633825.90        2.27528                          504171.98
3633825.90        2.28119
         504221.98    3633825.90        2.20359                          504271.98
3633825.90        2.14371
         504321.98    3633825.90        2.06828                          504371.98
3633825.90        1.95608
         504421.98    3633825.90        1.82461                          504471.98
3633825.90        1.76278
         504521.98    3633825.90        1.75803                          504571.98
3633825.90        1.78215
         504621.98    3633825.90        1.67447                          504671.98
3633825.90        1.57594
         504721.98    3633825.90        1.52602                          502721.98
3633875.90        1.24634
         502771.98    3633875.90        1.31891                          502821.98
3633875.90        1.39715
         502871.98    3633875.90        1.48147                          502921.98
3633875.90        1.57372
         502971.98    3633875.90        1.67194                          503021.98
3633875.90        1.77774
         503071.98    3633875.90        1.89132                          503121.98
3633875.90        2.01344
         503171.98    3633875.90        2.14354                          503221.98
3633875.90        2.28135
         503271.98    3633875.90        2.42609                          503821.98
3633875.90        2.84016
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 172
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***

INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503871.98	3633875.90	2.65851	503921.98	3633875.90	2.59138
503971.98	3633875.90	2.79844	504021.98	3633875.90	2.76250
504071.98	3633875.90	2.64168	504121.98	3633875.90	2.66868
504171.98	3633875.90	2.59056	504221.98	3633875.90	2.53398
504271.98	3633875.90	2.46270	504321.98	3633875.90	2.33293
504371.98	3633875.90	2.24333	504421.98	3633875.90	2.12635
504471.98	3633875.90	2.08220	504521.98	3633875.90	2.10983
504571.98	3633875.90	2.05798	504621.98	3633875.90	1.94561
504671.98	3633875.90	1.72056	504721.98	3633875.90	1.67298
502721.98	3633925.90	1.29062	502771.98	3633925.90	1.36907
502821.98	3633925.90	1.45450	502871.98	3633925.90	1.54778
502921.98	3633925.90	1.64925	502971.98	3633925.90	1.75851
503021.98	3633925.90	1.87722	503071.98	3633925.90	2.00560
503121.98	3633925.90	2.14471	503171.98	3633925.90	2.29484
503221.98	3633925.90	2.45599	503271.98	3633925.90	2.62717
503821.98	3633925.90	3.37351	503871.98	3633925.90	3.25609
503921.98	3633925.90	3.27511	503971.98		

```
3633925.90        3.43767
         504021.98    3633925.90        3.25955                     504071.98
3633925.90        3.19213
         504121.98    3633925.90        3.07175                     504171.98
3633925.90        3.03349
         504221.98    3633925.90        2.98746                     504271.98
3633925.90        2.88831
         504321.98    3633925.90        2.81862                     504371.98
3633925.90        2.67984
         504421.98    3633925.90        2.61395                     504471.98
3633925.90        2.51206
         504521.98    3633925.90        2.38777                     504571.98
3633925.90        2.18541
         504621.98    3633925.90        2.02489                     504671.98
3633925.90        1.89961
         504721.98    3633925.90        1.78128                     502721.98
3633975.90        1.33488
         502771.98    3633975.90        1.41932                     502821.98
3633975.90        1.51168
         502871.98    3633975.90        1.61450                     502921.98
3633975.90        1.72635
         502971.98    3633975.90        1.84750                     503021.98
3633975.90        1.98076
         503071.98    3633975.90        2.12613                     503121.98
3633975.90        2.28474
         503171.98    3633975.90        2.45776                     503221.98
3633975.90        2.64569
         503271.98    3633975.90        2.84841                     503821.98
3633975.90        4.05545
         503871.98    3633975.90        4.00036                     503921.98
3633975.90        4.28941
         503971.98    3633975.90        4.12504                     504021.98
3633975.90        3.90780
         504071.98    3633975.90        3.72897                     504121.98
3633975.90        3.66015
         504171.98    3633975.90        3.56943                     504221.98
3633975.90        3.42881
         504271.98    3633975.90        3.32978                     504321.98
3633975.90        3.26708
         504371.98    3633975.90        3.09071                     504421.98
3633975.90        2.98549
         504471.98    3633975.90        2.71986                     504521.98
3633975.90        2.42888
         504571.98    3633975.90        2.27336                     504621.98
3633975.90        2.11714
         504671.98    3633975.90        1.94584                     504721.98
3633975.90        1.75930
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***

INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3634025.90	1.37973	502771.98	3634025.90	1.47123
502821.98	3634025.90	1.57095	502871.98	3634025.90	1.68139
502921.98	3634025.90	1.80309	502971.98	3634025.90	1.93806
503021.98	3634025.90	2.08748	503071.98	3634025.90	2.25146
503121.98	3634025.90	2.43255	503171.98	3634025.90	2.63200
503221.98	3634025.90	2.85144	503271.98	3634025.90	3.09188
503871.98	3634025.90	5.05521	503921.98	3634025.90	5.39741
503971.98	3634025.90	4.80821	504021.98	3634025.90	4.66601
504071.98	3634025.90	4.45349	504121.98	3634025.90	4.30554
504171.98	3634025.90	4.10590	504221.98	3634025.90	3.99747
504271.98	3634025.90	3.85915	504321.98	3634025.90	3.74243
504371.98	3634025.90	3.51426	504421.98	3634025.90	3.09575
504471.98	3634025.90	2.80979	504521.98	3634025.90	2.60276
504571.98	3634025.90	2.37468	504621.98	3634025.90	2.10727
504671.98	3634025.90	1.90908	504721.98		

3634025.90 1.73638
502721.98 3634075.90 1.42288 502771.98
3634075.90 1.51923
502821.98 3634075.90 1.62711 502871.98
3634075.90 1.74781
502921.98 3634075.90 1.88104 502971.98
3634075.90 2.02921
503021.98 3634075.90 2.19569 503071.98
3634075.90 2.38046
503121.98 3634075.90 2.58646 503171.98
3634075.90 2.81633
503221.98 3634075.90 3.07264 503271.98
3634075.90 3.35762
503871.98 3634075.90 6.53389 503921.98
3634075.90 6.36666
503971.98 3634075.90 6.11197 504021.98
3634075.90 5.46154
504071.98 3634075.90 5.25108 504121.98
3634075.90 5.04826
504171.98 3634075.90 4.86436 504221.98
3634075.90 4.71726
504271.98 3634075.90 4.56412 504321.98
3634075.90 4.27505
504371.98 3634075.90 3.78614 504421.98
3634075.90 3.38990
504471.98 3634075.90 2.99833 504521.98
3634075.90 2.61869
504571.98 3634075.90 2.30619 504621.98
3634075.90 2.01065
504671.98 3634075.90 1.84172 504721.98
3634075.90 1.71024
502721.98 3634125.90 1.46434 502771.98
3634125.90 1.56645
502821.98 3634125.90 1.68234 502871.98
3634125.90 1.81288
502921.98 3634125.90 1.95716 502971.98
3634125.90 2.11968
503021.98 3634125.90 2.30389 503071.98
3634125.90 2.51045
503121.98 3634125.90 2.74420 503171.98
3634125.90 3.00847
503221.98 3634125.90 3.30596 503271.98
3634125.90 3.64453
503921.98 3634125.90 7.63707 503971.98
3634125.90 7.27034
504021.98 3634125.90 6.86273 504071.98
3634125.90 6.26286
504121.98 3634125.90 6.06750 504171.98
3634125.90 5.84232
504221.98 3634125.90 5.62645 504271.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                    INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                  L0000915   , L0000916   , L0000917   , L0000918   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3634175.90 6.96297
504221.98 3634175.90 6.61976 504271.98
3634175.90 6.20163
504321.98 3634175.90 5.68340 504371.98
3634175.90 4.38538
504421.98 3634175.90 3.27414 504471.98
3634175.90 2.90876
504521.98 3634175.90 2.56811 504571.98
3634175.90 2.17373
504621.98 3634175.90 1.92441 504671.98
3634175.90 1.76653
504721.98 3634175.90 1.60987 502721.98
3634225.90 1.53740
502771.98 3634225.90 1.65498 502821.98
3634225.90 1.78720
502871.98 3634225.90 1.93565 502921.98
3634225.90 2.10220
502971.98 3634225.90 2.29322 503021.98
3634225.90 2.51382
503071.98 3634225.90 2.76596 503121.98
3634225.90 3.05780
503171.98 3634225.90 3.39619 503221.98
3634225.90 3.79194
503271.98 3634225.90 4.25882 504071.98
3634225.90 9.30264
504121.98 3634225.90 8.55165 504171.98
3634225.90 8.26890
504221.98 3634225.90 7.54355 504271.98
3634225.90 6.99080
504321.98 3634225.90 6.24965 504371.98
3634225.90 4.42985
504421.98 3634225.90 3.27316 504471.98
3634225.90 2.90090
504521.98 3634225.90 2.56129 504571.98
3634225.90 2.21752
504621.98 3634225.90 1.95756 504671.98
3634225.90 1.75256
504721.98 3634225.90 1.57659 502721.98
3634275.90 1.57164
502771.98 3634275.90 1.69384 502821.98
3634275.90 1.83334
502871.98 3634275.90 1.99284 502921.98
3634275.90 2.16947
502971.98 3634275.90 2.37271 503021.98
3634275.90 2.61184
503071.98 3634275.90 2.88672 503121.98
3634275.90 3.20809
503171.98 3634275.90 3.58776 503221.98
3634275.90 4.03809
503271.98 3634275.90 4.58085 504121.98

```
3634275.90       10.23660
         504171.98    3634275.90        9.10435                      504221.98
3634275.90        8.65279
         504271.98    3634275.90        7.62414                      504321.98
3634275.90        6.52838
🌲 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 175
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                  INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                 L0000915    , L0000916    , L0000917    , L0000918    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         504371.98    3634275.90        4.92282                      504421.98
3634275.90        3.62889
         504471.98    3634275.90        2.98796                      504521.98
3634275.90        2.54466
         504571.98    3634275.90        2.18558                      504621.98
3634275.90        1.90844
         504671.98    3634275.90        1.66997                      504721.98
3634275.90        1.48358
         502721.98    3634325.90        1.59370                      502771.98
3634325.90        1.72245
         502821.98    3634325.90        1.86684                      502871.98
3634325.90        2.04383
         502971.98    3634325.90        2.44642                      503021.98
3634325.90        2.70130
         503071.98    3634325.90        2.99918                      503121.98
3634325.90        3.34957
         503171.98    3634325.90        3.76872                      503221.98
3634325.90        4.27447
         503271.98    3634325.90        4.89377                      504171.98
3634325.90       10.97759
         504221.98    3634325.90        9.29600                      504271.98
```

3634325.90 8.04304
504321.98 3634325.90 6.83640 504371.98
3634325.90 5.47854
504421.98 3634325.90 3.86725 504471.98
3634325.90 3.03739
504521.98 3634325.90 2.46001 504571.98
3634325.90 2.03702
504621.98 3634325.90 1.73108 504671.98
3634325.90 1.50803
504721.98 3634325.90 1.35040 502721.98
3634375.90 1.61491
502771.98 3634375.90 1.74897 502821.98
3634375.90 1.89783
503021.98 3634375.90 2.77505 503071.98
3634375.90 3.09736
503121.98 3634375.90 3.47474 503171.98
3634375.90 3.92857
503221.98 3634375.90 4.48715 503271.98
3634375.90 5.18055
504221.98 3634375.90 9.82575 504271.98
3634375.90 8.21357
504321.98 3634375.90 6.96824 504371.98
3634375.90 5.17218
504421.98 3634375.90 3.32328 504471.98
3634375.90 2.57319
504521.98 3634375.90 2.13165 504571.98
3634375.90 1.82240
504621.98 3634375.90 1.59756 504671.98
3634375.90 1.42630
504721.98 3634375.90 1.29420 502721.98
3634425.90 1.63926
502771.98 3634425.90 1.77413 502821.98
3634425.90 1.92749
504271.98 3634425.90 7.93756 504321.98
3634425.90 6.80902
504371.98 3634425.90 5.17039 504421.98
3634425.90 3.36501
504471.98 3634425.90 2.49701 504521.98
3634425.90 2.07331
504571.98 3634425.90 1.83832 504621.98
3634425.90 1.65398
504671.98 3634425.90 1.47561 504721.98
3634425.90 1.31809
502721.98 3634475.90 1.66256 502771.98
3634475.90 1.80373
502821.98 3634475.90 1.96298 504321.98
3634475.90 6.54379
504371.98 3634475.90 5.59027 504421.98
3634475.90 4.38371
504471.98 3634475.90 3.05298 504521.98

3634475.90   2.43671
         504571.98   3634475.90   2.12470   504621.98
3634475.90   1.89259
         504671.98   3634475.90   1.60109   504721.98
3634475.90   1.37469
         502721.98   3634525.90   1.67613   502771.98
3634525.90   1.81630
         504371.98   3634525.90   5.47971   504421.98
3634525.90   4.78993

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         504471.98   3634525.90   4.11409   504521.98
3634525.90   3.42280
         504571.98   3634525.90   2.89288   504621.98
3634525.90   2.39105
         504671.98   3634525.90   1.86181   504721.98
3634525.90   1.53903
         502721.98   3634575.90   1.68056   502771.98
3634575.90   1.82212
         504421.98   3634575.90   4.66865   504471.98
3634575.90   4.09148
         504521.98   3634575.90   3.68842   504571.98
3634575.90   3.27129
         504621.98   3634575.90   2.79529   504671.98
3634575.90   2.28250
         504721.98   3634575.90   1.87483   502721.98
3634625.90   1.67905
         502771.98   3634625.90   1.81935   502821.98

```
3634625.90        1.98108
         502871.98    3634625.90        2.16537                    502921.98
3634625.90        2.37837
         502971.98    3634625.90        2.62779                    503021.98
3634625.90        2.92208
         503071.98    3634625.90        3.27267                    503121.98
3634625.90        3.69522
         504471.98    3634625.90        4.00254                    504521.98
3634625.90        3.55037
         504571.98    3634625.90        3.22816                    504621.98
3634625.90        2.93078
         504671.98    3634625.90        2.66276                    504721.98
3634625.90        2.30921
         502721.98    3634675.90        1.67142                    502771.98
3634675.90        1.81015
         502821.98    3634675.90        1.96835                    502871.98
3634675.90        2.14914
         502921.98    3634675.90        2.35805                    502971.98
3634675.90        2.60092
         503021.98    3634675.90        2.88688                    503071.98
3634675.90        3.22568
         503121.98    3634675.90        3.63137                    503171.98
3634675.90        4.12016
         503221.98    3634675.90        4.72714                    503271.98
3634675.90        5.49193
         503321.98    3634675.90        6.46188                    503371.98
3634675.90        7.72602
         503421.98    3634675.90        9.40981                    503471.98
3634675.90       11.67902
         503521.98    3634675.90       14.96702                    504521.98
3634675.90        3.46483
         504571.98    3634675.90        3.10717                    504621.98
3634675.90        2.85672
         504671.98    3634675.90        2.60367                    504721.98
3634675.90        2.38806
         502721.98    3634725.90        1.65683                    502771.98
3634725.90        1.79209
         502821.98    3634725.90        1.94551                    502871.98
3634725.90        2.12010
         502921.98    3634725.90        2.32179                    502971.98
3634725.90        2.55523
         503021.98    3634725.90        2.82786                    503071.98
3634725.90        3.14930
         503121.98    3634725.90        3.53010                    503171.98
3634725.90        3.98623
         503221.98    3634725.90        4.54541                    503271.98
3634725.90        5.23521
         503321.98    3634725.90        6.09417                    503371.98
3634725.90        7.18324
         503421.98    3634725.90        8.58876                    503471.98
```

```
3634725.90       10.40219
         503521.98    3634725.90       12.85118                      503571.98
3634725.90       16.19277
         503621.98    3634725.90       20.35997                      504571.98
3634725.90        3.02144
         504621.98    3634725.90        2.73044                      504671.98
3634725.90        2.52384
         504721.98    3634725.90        2.32943                      502721.98
3634775.90        1.63498
         502771.98    3634775.90        1.76524                      502821.98
3634775.90        1.91257
         502871.98    3634775.90        2.07952                      502921.98
3634775.90        2.27117
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 177
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                 INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                L0000915    , L0000916    , L0000917    , L0000918    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502971.98    3634775.90        2.49241                      503021.98
3634775.90        2.74771
         503071.98    3634775.90        3.04672                      503121.98
3634775.90        3.39855
         503171.98    3634775.90        3.81562                      503221.98
3634775.90        4.31907
         503271.98    3634775.90        4.92743                      503321.98
3634775.90        5.67291
         503371.98    3634775.90        6.59674                      503421.98
3634775.90        7.74858
         503471.98    3634775.90        9.17344                      503521.98
3634775.90       10.98236
         503571.98    3634775.90       13.17928                      503621.98
```

3634775.90 15.67183
503671.98 3634775.90 18.19086 503721.98
3634775.90 20.37151
503771.98 3634775.90 21.68930 503821.98
3634775.90 21.71637
504621.98 3634775.90 2.65188 504671.98
3634775.90 2.41741
504721.98 3634775.90 2.26216 502721.98
3634825.90 1.60601
502771.98 3634825.90 1.73025 502821.98
3634825.90 1.87027
502871.98 3634825.90 2.02885 502921.98
3634825.90 2.20838
502971.98 3634825.90 2.41481 503021.98
3634825.90 2.65165
503071.98 3634825.90 2.92730 503121.98
3634825.90 3.24690
503171.98 3634825.90 3.62425 503221.98
3634825.90 4.06957
503271.98 3634825.90 4.60072 503321.98
3634825.90 5.23829
503371.98 3634825.90 6.00027 503421.98
3634825.90 6.91972
503471.98 3634825.90 8.02092 503521.98
3634825.90 9.31982
503571.98 3634825.90 10.79109 503621.98
3634825.90 12.30408
503671.98 3634825.90 13.73161 503721.98
3634825.90 14.87606
503771.98 3634825.90 15.52711 503821.98
3634825.90 15.53908
503871.98 3634825.90 14.93320 503921.98
3634825.90 13.83946
504671.98 3634825.90 2.34328 504721.98
3634825.90 2.16264
502721.98 3634875.90 1.57117 502771.98
3634875.90 1.68908
502821.98 3634875.90 1.82114 502871.98
3634875.90 1.97010
502921.98 3634875.90 2.13754 502971.98
3634875.90 2.32837
503021.98 3634875.90 2.54607 503071.98
3634875.90 2.79662
503121.98 3634875.90 3.08544 503171.98
3634875.90 3.42276
503221.98 3634875.90 3.81488 503271.98
3634875.90 4.27110
503321.98 3634875.90 4.80681 503371.98
3634875.90 5.43932
503421.98 3634875.90 6.17112 503471.98

3634875.90   6.99907
         503521.98   3634875.90   7.92646   503571.98
3634875.90   8.90298
         503621.98   3634875.90   9.87166   503671.98
3634875.90   10.73431
         503721.98   3634875.90   11.37988   503771.98
3634875.90   11.73601
         503821.98   3634875.90   11.74236   503871.98
3634875.90   11.59103
         503921.98   3634875.90   11.39029   504721.98
3634875.90   2.08388
         502721.98   3634925.90   1.53183   502771.98
3634925.90   1.64300
         502821.98   3634925.90   1.76677   502871.98
3634925.90   1.90565
         502921.98   3634925.90   2.06109   502971.98
3634925.90   2.23673

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3634925.90 6.11862
503521.98 3634925.90 6.78211 503571.98
3634925.90 7.45341
503621.98 3634925.90 8.09425 503671.98
3634925.90 8.64508
503721.98 3634925.90 8.86514 503771.98
3634925.90 9.16465
503821.98 3634925.90 9.44471 503871.98
3634925.90 9.61663
502721.98 3634975.90 1.48925 502771.98
3634975.90 1.59350
502821.98 3634975.90 1.70915 502871.98
3634975.90 1.83771
502921.98 3634975.90 1.98087 502971.98
3634975.90 2.14323
503021.98 3634975.90 2.32471 503071.98
3634975.90 2.52944
503121.98 3634975.90 2.76128 503171.98
3634975.90 3.02636
503221.98 3634975.90 3.32489 503271.98
3634975.90 3.66093
503321.98 3634975.90 4.03666 503371.98
3634975.90 4.45067
503421.98 3634975.90 4.89173 503471.98
3634975.90 5.36675
503521.98 3634975.90 5.84508 503571.98
3634975.90 6.31878
503621.98 3634975.90 6.76045 503671.98
3634975.90 7.13117
503721.98 3634975.90 7.26755 503771.98
3634975.90 7.51119
503821.98 3634975.90 7.75977 503871.98
3634975.90 7.38635
502721.98 3635025.90 1.44456 502771.98
3635025.90 1.54176
502821.98 3635025.90 1.64927 502871.98
3635025.90 1.76836
502921.98 3635025.90 1.90108 502971.98
3635025.90 2.04887
503021.98 3635025.90 2.21388 503071.98
3635025.90 2.39814
503121.98 3635025.90 2.60481 503171.98
3635025.90 2.83719
503221.98 3635025.90 3.09400 503271.98
3635025.90 3.37725
503321.98 3635025.90 3.68664 503371.98
3635025.90 4.01862
503421.98 3635025.90 4.36503 503471.98
3635025.90 4.72446
503521.98 3635025.90 5.08008 503571.98

3635025.90   5.42022
         503621.98   3635025.90   5.72840   503671.98
3635025.90   5.89034
         503721.98   3635025.90   6.13137   503771.98
3635025.90   6.30054
         503821.98   3635025.90   6.40438   504371.98
3635025.90   3.20197
         502721.98   3635075.90   1.39848   502771.98
3635075.90   1.48909
         502821.98   3635075.90   1.58890   502871.98
3635075.90   1.69962
         502921.98   3635075.90   1.82140   502971.98
3635075.90   1.95618
         503021.98   3635075.90   2.10621   503071.98
3635075.90   2.27147
         503121.98   3635075.90   2.45439   503171.98
3635075.90   2.65627
         503221.98   3635075.90   2.87571   503271.98
3635075.90   3.11351
         503321.98   3635075.90   3.36735   503371.98
3635075.90   3.63406

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635075.90 5.02890
503721.98 3635075.90 5.21976 503771.98
3635075.90 5.38520
503821.98 3635075.90 5.29546 504371.98
3635075.90 2.96538
504421.98 3635075.90 2.74448 504471.98
3635075.90 2.54189
504521.98 3635075.90 2.36278 502721.98
3635125.90 1.35231
502771.98 3635125.90 1.43672 502821.98
3635125.90 1.52927
502871.98 3635125.90 1.63139 502921.98
3635125.90 1.74409
502971.98 3635125.90 1.86709 503021.98
3635125.90 2.00185
503071.98 3635125.90 2.14882 503121.98
3635125.90 2.30944
503171.98 3635125.90 2.48371 503221.98
3635125.90 2.66979
503271.98 3635125.90 2.86930 503321.98
3635125.90 3.07695
503371.98 3635125.90 3.29124 503421.98
3635125.90 3.50933
503471.98 3635125.90 3.72191 503521.98
3635125.90 3.92630
503571.98 3635125.90 4.04010 503621.98
3635125.90 4.22528
503671.98 3635125.90 4.37009 503721.98
3635125.90 4.55867
503771.98 3635125.90 4.65526 503821.98
3635125.90 4.57748
504371.98 3635125.90 2.74900 504421.98
3635125.90 2.55698
504471.98 3635125.90 2.38394 504521.98
3635125.90 2.22364
504571.98 3635125.90 2.07751 502721.98
3635175.90 1.30667
502771.98 3635175.90 1.38501 502821.98
3635175.90 1.47080
502871.98 3635175.90 1.56444 502921.98
3635175.90 1.66806
502971.98 3635175.90 1.77951 503021.98
3635175.90 1.89989
503071.98 3635175.90 2.03039 503121.98
3635175.90 2.17121
503171.98 3635175.90 2.32167 503221.98
3635175.90 2.47962
503271.98 3635175.90 2.64623 503321.98
3635175.90 2.81621
503371.98 3635175.90 2.98968 503421.98

3635175.90   3.16517
         503471.98   3635175.90   3.32761   503521.98
3635175.90   3.48836
         503571.98   3635175.90   3.57005   503621.98
3635175.90   3.71098
         503671.98   3635175.90   3.85436   503721.98
3635175.90   4.00601
         503771.98   3635175.90   3.96980   503821.98
3635175.90   3.71741
         504371.98   3635175.90   2.54842   504421.98
3635175.90   2.38633
         504471.98   3635175.90   2.23599   504521.98
3635175.90   2.09467
         504571.98   3635175.90   1.96245   504621.98
3635175.90   1.84621
         502721.98   3635225.90   1.26187   502771.98
3635225.90   1.33528
         502821.98   3635225.90   1.41475   502871.98
3635225.90   1.50067
         502921.98   3635225.90   1.59365   502971.98
3635225.90   1.69418
         503021.98   3635225.90   1.80209   503071.98
3635225.90   1.91759
         503121.98   3635225.90   2.04055   503171.98
3635225.90   2.17014

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         503221.98   3635225.90   2.30540   503271.98

3635225.90 2.44490
503321.98 3635225.90 2.58645 503371.98
3635225.90 2.72766
503421.98 3635225.90 2.86659 503471.98
3635225.90 2.99995
503521.98 3635225.90 3.12097 503571.98
3635225.90 3.18709
503621.98 3635225.90 3.33075 503671.98
3635225.90 3.46527
504371.98 3635225.90 2.36450 504421.98
3635225.90 2.22896
504471.98 3635225.90 2.09845 504521.98
3635225.90 1.97451
504571.98 3635225.90 1.85692 504621.98
3635225.90 1.74937
502721.98 3635275.90 1.21770 502771.98
3635275.90 1.28521
502821.98 3635275.90 1.35823 502871.98
3635275.90 1.43717
502921.98 3635275.90 1.52113 502971.98
3635275.90 1.61152
503021.98 3635275.90 1.70684 503071.98
3635275.90 1.80807
503121.98 3635275.90 1.91455 503171.98
3635275.90 2.02551
503221.98 3635275.90 2.14283 503271.98
3635275.90 2.25916
503321.98 3635275.90 2.37655 503371.98
3635275.90 2.49159
503421.98 3635275.90 2.60529 503471.98
3635275.90 2.71367
503521.98 3635275.90 2.81600 503571.98
3635275.90 2.86379
503621.98 3635275.90 2.97034 504371.98
3635275.90 2.19133
504421.98 3635275.90 2.11751 504471.98
3635275.90 1.96679
504521.98 3635275.90 1.86009 504571.98
3635275.90 1.75783
504621.98 3635275.90 1.66241 504671.98
3635275.90 1.57173
502721.98 3635325.90 1.17455 502771.98
3635325.90 1.23701
502821.98 3635325.90 1.30409 502871.98
3635325.90 1.37572
502921.98 3635325.90 1.45164 502971.98
3635325.90 1.53259
503021.98 3635325.90 1.61715 503071.98
3635325.90 1.70610
503121.98 3635325.90 1.79844 503171.98

3635325.90   1.89369
         503221.98   3635325.90   1.99370   503271.98
3635325.90   2.09140
         503321.98   3635325.90   2.18877   503371.98
3635325.90   2.28377
         503421.98   3635325.90   2.37667   503471.98
3635325.90   2.46542
         503521.98   3635325.90   2.54950   503571.98
3635325.90   2.62053
         503621.98   3635325.90   2.66726   504371.98
3635325.90   2.09517
         504421.98   3635325.90   1.97577   504471.98
3635325.90   1.84520
         504521.98   3635325.90   1.75330   504571.98
3635325.90   1.66406
         504621.98   3635325.90   1.58265   504671.98
3635325.90   1.50368
         504721.98   3635325.90   1.42092   502721.98
3635375.90   1.12110
         502771.98   3635375.90   1.15935   502821.98
3635375.90   1.21235
         502871.98   3635375.90   1.27291   502921.98
3635375.90   1.34386
         502971.98   3635375.90   1.43965   503021.98
3635375.90   1.49806
         503071.98   3635375.90   1.56860   503121.98
3635375.90   1.67222
         503171.98   3635375.90   1.76545   503221.98
3635375.90   1.85730

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)

Y-COORD (M) CONC

- - - -

3635425.90   1.38312
         504721.98   3635425.90   1.31351   502721.98
3635475.90   1.01926
         502771.98   3635475.90   1.06022   502821.98
3635475.90   1.10875
         502871.98   3635475.90   1.16069   502921.98
3635475.90   1.21959
         502971.98   3635475.90   1.27571   503021.98
3635475.90   1.33771
         503071.98   3635475.90   1.40692   503121.98
3635475.90   1.48298
         503171.98   3635475.90   1.54348   503221.98
3635475.90   1.59650
         503271.98   3635475.90   1.65034   503321.98
3635475.90   1.70534
         503371.98   3635475.90   1.76054   503421.98
3635475.90   1.81584
         503471.98   3635475.90   1.87144   503521.98
3635475.90   1.92434
         503571.98   3635475.90   1.97155   503621.98
3635475.90   2.00726
         503671.98   3635475.90   2.04706   503721.98
3635475.90   2.07918
         503771.98   3635475.90   2.14212   503821.98
3635475.90   2.16471
         503871.98   3635475.90   2.18731   503921.98
3635475.90   2.22162
         504371.98   3635475.90   1.65155   504421.98
3635475.90   1.59060
         504471.98   3635475.90   1.57639   504521.98
3635475.90   1.46975
         504571.98   3635475.90   1.44067   504621.98
3635475.90   1.38851

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504671.98	3635475.90	1.32702	504721.98	3635475.90	1.27234
502221.98	3632975.90	0.48622	502271.98	3632975.90	0.49918
502321.98	3632975.90	0.51252	502371.98	3632975.90	0.52625
502421.98	3632975.90	0.54032	502471.98	3632975.90	0.55469
502521.98	3632975.90	0.56933	502571.98	3632975.90	0.58426
502621.98	3632975.90	0.59938	502671.98	3632975.90	0.61464
502721.98	3632975.90	0.63000	502771.98	3632975.90	0.64530
502821.98	3632975.90	0.54765	502871.98	3632975.90	0.48157
502921.98	3632975.90	0.48940	502971.98	3632975.90	0.35683
503021.98	3632975.90	0.36020	503071.98	3632975.90	0.41908
503121.98	3632975.90	0.48671	503171.98	3632975.90	0.54473
503221.98	3632975.90	0.57540	503271.98	3632975.90	0.58469
503321.98	3632975.90	0.58554	503371.98	3632975.90	0.59181
503421.98	3632975.90	0.57246	503471.98	3632975.90	0.56574
503621.98	3632975.90	0.52180	503671.98	3632975.90	0.50404
503721.98	3632975.90	0.48631	503771.98	3632975.90	0.46118
503821.98	3632975.90	0.40307	503871.98	3632975.90	0.35844
503921.98	3632975.90	0.34620	503971.98	3632975.90	0.34606
504021.98	3632975.90	0.34277	504071.98	3632975.90	0.34659
504121.98	3632975.90	0.34264	504171.98	3632975.90	0.34527
504221.98	3632975.90	0.34583	504271.98	3632975.90	0.34640
504321.98	3632975.90	0.34584	504371.98		

```
3632975.90        0.34167
         504421.98    3632975.90        0.33906                        504471.98
3632975.90        0.33729
         504521.98    3632975.90        0.33731                        504571.98
3632975.90        0.33757
         504621.98    3632975.90        0.33798                        504671.98
3632975.90        0.33899
         504721.98    3632975.90        0.34019                        504771.98
3632975.90        0.34141
         504821.98    3632975.90        0.34249                        504871.98
3632975.90        0.34506
         504921.98    3632975.90        0.34791                        504971.98
3632975.90        0.34938
         505021.98    3632975.90        0.34911                        505071.98
3632975.90        0.34837
         505121.98    3632975.90        0.34819                        505171.98
3632975.90        0.34979
         505221.98    3632975.90        0.35329                        502221.98
3633025.90        0.49874
         502271.98    3633025.90        0.51294                        502321.98
3633025.90        0.52701
         502371.98    3633025.90        0.54165                        502421.98
3633025.90        0.55668
         502471.98    3633025.90        0.57198                        502521.98
3633025.90        0.58773
         502571.98    3633025.90        0.60375                        502621.98
3633025.90        0.61997
         502671.98    3633025.90        0.63648                        502721.98
3633025.90        0.65315
         502771.98    3633025.90        0.66987                        502821.98
3633025.90        0.56151
         502871.98    3633025.90        0.53445                        502921.98
3633025.90        0.50802
         502971.98    3633025.90        0.37193                        503021.98
3633025.90        0.39786
         503071.98    3633025.90        0.48037                        503121.98
3633025.90        0.55756
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 183
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                  INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                 L0000915    , L0000916    , L0000917    , L0000918    ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503171.98	3633025.90	0.58969	503221.98	3633025.90	0.62530
503271.98	3633025.90	0.62639	503321.98	3633025.90	0.63419
503371.98	3633025.90	0.62457	503421.98	3633025.90	0.58418
503471.98	3633025.90	0.59367	503621.98	3633025.90	0.53874
503671.98	3633025.90	0.52737	503721.98	3633025.90	0.51883
503771.98	3633025.90	0.45665	503821.98	3633025.90	0.39939
503871.98	3633025.90	0.36605	503921.98	3633025.90	0.35727
503971.98	3633025.90	0.35685	504021.98	3633025.90	0.35724
504071.98	3633025.90	0.35769	504121.98	3633025.90	0.35911
504171.98	3633025.90	0.36128	504221.98	3633025.90	0.36324
504271.98	3633025.90	0.36336	504321.98	3633025.90	0.36258
504371.98	3633025.90	0.35854	504421.98	3633025.90	0.35563
504471.98	3633025.90	0.35419	504521.98	3633025.90	0.35312
504571.98	3633025.90	0.35342	504621.98	3633025.90	0.35457
504671.98	3633025.90	0.35597	504721.98	3633025.90	0.35749
504771.98	3633025.90	0.35993	504821.98	3633025.90	0.36277
504871.98	3633025.90	0.36675	504921.98	3633025.90	0.36929
504971.98	3633025.90	0.36938	505021.98	3633025.90	0.36757
505071.98	3633025.90	0.36607	505121.98	3633025.90	0.36627
505171.98	3633025.90	0.36969	505221.98		

3633025.90   0.37712
         502221.98   3633075.90   0.51213   502271.98
3633075.90   0.52708
         502321.98   3633075.90   0.54211   502371.98
3633075.90   0.55762
         502421.98   3633075.90   0.57361   502471.98
3633075.90   0.58990
         502521.98   3633075.90   0.60678   502571.98
3633075.90   0.62406
         502621.98   3633075.90   0.64157   502671.98
3633075.90   0.65948
         502721.98   3633075.90   0.67747   502771.98
3633075.90   0.69576
         502821.98   3633075.90   0.61698   502871.98
3633075.90   0.59112
         502921.98   3633075.90   0.56740   502971.98
3633075.90   0.51173
         503021.98   3633075.90   0.54204   503071.98
3633075.90   0.56312
         503121.98   3633075.90   0.60811   503171.98
3633075.90   0.63936
         503221.98   3633075.90   0.68447   503271.98
3633075.90   0.67132
         503321.98   3633075.90   0.66538   503371.98
3633075.90   0.65215
         503421.98   3633075.90   0.61552   503471.98
3633075.90   0.62580
         503621.98   3633075.90   0.55890   503671.98
3633075.90   0.53942
         503721.98   3633075.90   0.52786   503771.98
3633075.90   0.46315
         503821.98   3633075.90   0.40359   503871.98
3633075.90   0.37316
         503921.98   3633075.90   0.37274   503971.98
3633075.90   0.37747
         504021.98   3633075.90   0.37586   504071.98
3633075.90   0.37702
         504121.98   3633075.90   0.37903   504171.98
3633075.90   0.38116
         504221.98   3633075.90   0.38257   504271.98
3633075.90   0.38263

VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3633075.90	0.38274	504371.98	3633075.90	0.37755
504421.98	3633075.90	0.37527	504471.98	3633075.90	0.37266
504521.98	3633075.90	0.37174	504571.98	3633075.90	0.37256
504621.98	3633075.90	0.37386	504671.98	3633075.90	0.37546
504721.98	3633075.90	0.37767	504771.98	3633075.90	0.38157
504821.98	3633075.90	0.38585	504871.98	3633075.90	0.39002
504921.98	3633075.90	0.39327	504971.98	3633075.90	0.39102
505021.98	3633075.90	0.38778	505071.98	3633075.90	0.38587
505121.98	3633075.90	0.38712	505171.98	3633075.90	0.39280
505221.98	3633075.90	0.40092	502221.98	3633125.90	0.52607
502271.98	3633125.90	0.54161	502321.98	3633125.90	0.55758
502371.98	3633125.90	0.57406	502421.98	3633125.90	0.59112
502471.98	3633125.90	0.60860	502521.98	3633125.90	0.62665
502571.98	3633125.90	0.64521	502621.98	3633125.90	0.66415
502671.98	3633125.90	0.68339	502721.98	3633125.90	0.70304
502771.98	3633125.90	0.72275	502821.98	3633125.90	0.74277
502871.98	3633125.90	0.64935	502921.98	3633125.90	0.64081
502971.98	3633125.90	0.61149	503021.98		

```
3633125.90        0.60289
         503071.98    3633125.90        0.63323                     503121.98
3633125.90        0.66427
         503171.98    3633125.90        0.70200                     503221.98
3633125.90        0.72864
         503271.98    3633125.90        0.72475                     503321.98
3633125.90        0.72915
         503371.98    3633125.90        0.69460                     503421.98
3633125.90        0.64749
         503471.98    3633125.90        0.65897                     503621.98
3633125.90        0.57694
         503671.98    3633125.90        0.54631                     503721.98
3633125.90        0.53410
         503771.98    3633125.90        0.45655                     503821.98
3633125.90        0.41037
         503871.98    3633125.90        0.39041                     503921.98
3633125.90        0.39302
         503971.98    3633125.90        0.39865                     504021.98
3633125.90        0.39457
         504071.98    3633125.90        0.39866                     504121.98
3633125.90        0.40279
         504171.98    3633125.90        0.40508                     504221.98
3633125.90        0.40577
         504271.98    3633125.90        0.40606                     504321.98
3633125.90        0.40421
         504371.98    3633125.90        0.40067                     504421.98
3633125.90        0.39810
         504471.98    3633125.90        0.39459                     504521.98
3633125.90        0.39363
         504571.98    3633125.90        0.39448                     504621.98
3633125.90        0.39614
         504671.98    3633125.90        0.39839                     504721.98
3633125.90        0.40168
         504771.98    3633125.90        0.40632                     504821.98
3633125.90        0.41063
         504871.98    3633125.90        0.41503                     504921.98
3633125.90        0.42074
         504971.98    3633125.90        0.41637                     505021.98
3633125.90        0.41062
         505071.98    3633125.90        0.40824                     505121.98
3633125.90        0.41147
         505171.98    3633125.90        0.41808                     505221.98
3633125.90        0.42647
         502221.98    3633175.90        0.54009                     502271.98
3633175.90        0.55641
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502321.98	3633175.90	0.57336	502371.98	3633175.90	0.59116
502421.98	3633175.90	0.60940	502471.98	3633175.90	0.62805
502521.98	3633175.90	0.64738	502571.98	3633175.90	0.66720
502621.98	3633175.90	0.68753	502671.98	3633175.90	0.70828
502721.98	3633175.90	0.72919	502771.98	3633175.90	0.67439
502821.98	3633175.90	0.66626	502871.98	3633175.90	0.70923
502921.98	3633175.90	0.70056	502971.98	3633175.90	0.71279
503021.98	3633175.90	0.70371	503071.98	3633175.90	0.72878
503121.98	3633175.90	0.73209	503171.98	3633175.90	0.77387
503221.98	3633175.90	0.76206	503271.98	3633175.90	0.75582
503321.98	3633175.90	0.76496	503371.98	3633175.90	0.72625
503421.98	3633175.90	0.69021	503471.98	3633175.90	0.68757
503621.98	3633175.90	0.57397	503671.98	3633175.90	0.56685
503721.98	3633175.90	0.52279	503771.98	3633175.90	0.45436
503821.98	3633175.90	0.41960	503871.98	3633175.90	0.40849
503921.98	3633175.90	0.41656	503971.98		

```
3633175.90        0.42251
         504021.98    3633175.90        0.41849                    504071.98
3633175.90        0.42386
         504121.98    3633175.90        0.42999                    504171.98
3633175.90        0.43545
         504221.98    3633175.90        0.43439                    504271.98
3633175.90        0.43260
         504321.98    3633175.90        0.42985                    504371.98
3633175.90        0.43066
         504421.98    3633175.90        0.42423                    504471.98
3633175.90        0.41940
         504521.98    3633175.90        0.41821                    504571.98
3633175.90        0.41919
         504621.98    3633175.90        0.42167                    504671.98
3633175.90        0.42559
         504721.98    3633175.90        0.43014                    504771.98
3633175.90        0.43474
         504821.98    3633175.90        0.43780                    504871.98
3633175.90        0.44211
         504921.98    3633175.90        0.45018                    504971.98
3633175.90        0.44148
         505021.98    3633175.90        0.43506                    505071.98
3633175.90        0.43523
         505121.98    3633175.90        0.43943                    505171.98
3633175.90        0.44445
         505221.98    3633175.90        0.44921                    502221.98
3633225.90        0.55451
         502271.98    3633225.90        0.57193                    502321.98
3633225.90        0.58989
         502371.98    3633225.90        0.60881                    502421.98
3633225.90        0.62818
         502471.98    3633225.90        0.64804                    502521.98
3633225.90        0.66881
         502571.98    3633225.90        0.69013                    502621.98
3633225.90        0.71200
         502671.98    3633225.90        0.73446                    502721.98
3633225.90        0.75708
         502771.98    3633225.90        0.78070                    502821.98
3633225.90        0.71286
         502871.98    3633225.90        0.72621                    502921.98
3633225.90        0.75170
         502971.98    3633225.90        0.77569                    503021.98
3633225.90        0.78134
         503071.98    3633225.90        0.80368                    503121.98
3633225.90        0.83135
         503171.98    3633225.90        0.83134                    503221.98
3633225.90        0.81662
         503271.98    3633225.90        0.80885                    503321.98
3633225.90        0.79173
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3633225.90 0.47154
504871.98 3633225.90 0.47372 504921.98
3633225.90 0.48078
504971.98 3633225.90 0.47236 505021.98
3633225.90 0.46714
505071.98 3633225.90 0.46882 505121.98
3633225.90 0.47020
505171.98 3633225.90 0.46861 505221.98
3633225.90 0.46981
502221.98 3633275.90 0.56917 502271.98
3633275.90 0.58761
502321.98 3633275.90 0.60692 502371.98
3633275.90 0.62690
502421.98 3633275.90 0.64749 502471.98
3633275.90 0.66889
502521.98 3633275.90 0.69103 502571.98
3633275.90 0.71392
502621.98 3633275.90 0.73749 502671.98
3633275.90 0.76181
502721.98 3633275.90 0.78679 502771.98
3633275.90 0.81206
502821.98 3633275.90 0.68362 502871.98
3633275.90 0.75678
502921.98 3633275.90 0.80125 502971.98
3633275.90 0.82631
503021.98 3633275.90 0.83024 503071.98
3633275.90 0.86441
503121.98 3633275.90 0.90399 503171.98
3633275.90 0.91171
503221.98 3633275.90 0.89379 503271.98
3633275.90 0.83499
503321.98 3633275.90 0.83426 503371.98
3633275.90 0.79198
503421.98 3633275.90 0.76409 503471.98
3633275.90 0.59696
503621.98 3633275.90 0.60809 503671.98
3633275.90 0.58560
503721.98 3633275.90 0.52686 503771.98
3633275.90 0.48332
503821.98 3633275.90 0.45532 503871.98
3633275.90 0.46118
503921.98 3633275.90 0.47496 503971.98
3633275.90 0.49726
504021.98 3633275.90 0.50053 504071.98
3633275.90 0.50057
504121.98 3633275.90 0.51173 504171.98
3633275.90 0.50497
504221.98 3633275.90 0.49482 504271.98
3633275.90 0.49298
504321.98 3633275.90 0.50123 504371.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3633325.90 0.76408
502671.98 3633325.90 0.79039 502721.98
3633325.90 0.81751
502771.98 3633325.90 0.79136 502821.98
3633325.90 0.77457
502871.98 3633325.90 0.90343 502921.98
3633325.90 0.93340
502971.98 3633325.90 0.92403 503021.98
3633325.90 0.89565
503071.98 3633325.90 0.98335 503121.98
3633325.90 1.05585
503171.98 3633325.90 1.08590 503221.98
3633325.90 1.00251
503271.98 3633325.90 0.87580 503321.98
3633325.90 0.87110
503371.98 3633325.90 0.82471 503421.98
3633325.90 0.70011
503471.98 3633325.90 0.56603 503621.98
3633325.90 0.60992
503671.98 3633325.90 0.58631 503721.98
3633325.90 0.52408
503771.98 3633325.90 0.50517 503821.98
3633325.90 0.48911
503871.98 3633325.90 0.49401 503921.98
3633325.90 0.52581
503971.98 3633325.90 0.56344 504021.98
3633325.90 0.56012
504071.98 3633325.90 0.55199 504121.98
3633325.90 0.56927
504171.98 3633325.90 0.54632 504221.98
3633325.90 0.53178
504271.98 3633325.90 0.53581 504321.98
3633325.90 0.55556
504371.98 3633325.90 0.56348 504421.98
3633325.90 0.54167
504471.98 3633325.90 0.52639 504521.98
3633325.90 0.51977
504571.98 3633325.90 0.52350 504621.98
3633325.90 0.53345
504671.98 3633325.90 0.54630 504721.98
3633325.90 0.54469
504771.98 3633325.90 0.53525 504821.98
3633325.90 0.53615
504871.98 3633325.90 0.55264 504921.98
3633325.90 0.56496
504971.98 3633325.90 0.56035 505021.98
3633325.90 0.55634
505071.98 3633325.90 0.55378 505121.98
3633325.90 0.53622
505171.98 3633325.90 0.52390 505221.98

3633325.90   0.52391
         502221.98   3633375.90   0.59963   502271.98
3633375.90   0.62031
         502321.98   3633375.90   0.64187   502371.98
3633375.90   0.66436
         502421.98   3633375.90   0.68785   502471.98
3633375.90   0.71232

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502521.98   3633375.90   0.73787   502571.98
3633375.90   0.76435
         502621.98   3633375.90   0.79178   502671.98
3633375.90   0.82025
         502721.98   3633375.90   0.84970   502771.98
3633375.90   0.88012
         502821.98   3633375.90   0.91152   502871.98
3633375.90   0.94394
         502921.98   3633375.90   0.97696   502971.98
3633375.90   1.01060
         503021.98   3633375.90   1.04461   503071.98
3633375.90   1.07915
         503121.98   3633375.90   1.11358   503171.98
3633375.90   1.14758
         503221.98   3633375.90   1.13294   503271.98
3633375.90   1.09112
         503321.98   3633375.90   1.02355   503371.98
3633375.90   0.88027
         503421.98   3633375.90   0.67090   503471.98

3633375.90 0.66584
503621.98 3633375.90 0.66784 503671.98
3633375.90 0.62562
503721.98 3633375.90 0.57056 503771.98
3633375.90 0.55735
503821.98 3633375.90 0.56419 503871.98
3633375.90 0.55574
503921.98 3633375.90 0.59511 503971.98
3633375.90 0.64256
504021.98 3633375.90 0.62672 504071.98
3633375.90 0.61243
504121.98 3633375.90 0.63461 504171.98
3633375.90 0.59176
504221.98 3633375.90 0.58418 504271.98
3633375.90 0.60075
504321.98 3633375.90 0.62651 504371.98
3633375.90 0.63188
504421.98 3633375.90 0.59631 504471.98
3633375.90 0.57300
504521.98 3633375.90 0.56453 504571.98
3633375.90 0.57361
504621.98 3633375.90 0.58686 504671.98
3633375.90 0.60264
504721.98 3633375.90 0.59135 504771.98
3633375.90 0.57758
504821.98 3633375.90 0.58242 504871.98
3633375.90 0.61168
504921.98 3633375.90 0.61932 504971.98
3633375.90 0.61601
505021.98 3633375.90 0.60757 505071.98
3633375.90 0.58805
505121.98 3633375.90 0.56729 505171.98
3633375.90 0.55647
505221.98 3633375.90 0.55933 502221.98
3633425.90 0.61494
502271.98 3633425.90 0.63672 502321.98
3633425.90 0.65946
502371.98 3633425.90 0.68341 502421.98
3633425.90 0.70859
502471.98 3633425.90 0.73521 502521.98
3633425.90 0.76248
502571.98 3633425.90 0.79094 502621.98
3633425.90 0.82054
502671.98 3633425.90 0.85146 502721.98
3633425.90 0.88357
502771.98 3633425.90 0.91683 502821.98
3633425.90 0.95131
502871.98 3633425.90 0.98685 502921.98
3633425.90 1.02318
502971.98 3633425.90 1.06052 503021.98

```
3633425.90        1.09868
         503071.98    3633425.90        1.13708                      503121.98
3633425.90        1.17609
         503171.98    3633425.90        1.21431                      503221.98
3633425.90        1.25188
         503271.98    3633425.90        1.22296                      503321.98
3633425.90        1.09009
         503371.98    3633425.90        0.85594                      503421.98
3633425.90        0.74720
         503471.98    3633425.90        0.76549                      503621.98
3633425.90        0.79149
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 189
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                  INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                 L0000915    , L0000916    , L0000917    , L0000918    ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         503671.98    3633425.90        0.71746                      503721.98
3633425.90        0.64203
         503771.98    3633425.90        0.62164                      503821.98
3633425.90        0.63147
         503871.98    3633425.90        0.64275                      503921.98
3633425.90        0.69941
         503971.98    3633425.90        0.72129                      504021.98
3633425.90        0.69918
         504071.98    3633425.90        0.68682                      504121.98
3633425.90        0.71189
         504171.98    3633425.90        0.66821                      504221.98
3633425.90        0.67360
         504271.98    3633425.90        0.70255                      504321.98
3633425.90        0.73390
         504371.98    3633425.90        0.69728                      504421.98
```

3633425.90 0.65612
504471.98 3633425.90 0.62979 504521.98
3633425.90 0.61881
504571.98 3633425.90 0.63271 504621.98
3633425.90 0.65294
504671.98 3633425.90 0.66178 504721.98
3633425.90 0.65619
504771.98 3633425.90 0.64134 504821.98
3633425.90 0.63907
504871.98 3633425.90 0.67545 504921.98
3633425.90 0.67362
504971.98 3633425.90 0.66181 505021.98
3633425.90 0.63237
505071.98 3633425.90 0.61228 505121.98
3633425.90 0.59933
505171.98 3633425.90 0.59262 505221.98
3633425.90 0.59796
502221.98 3633475.90 0.63049 502271.98
3633475.90 0.65349
502321.98 3633475.90 0.67770 502371.98
3633475.90 0.70321
502421.98 3633475.90 0.73008 502471.98
3633475.90 0.75859
502521.98 3633475.90 0.78774 502571.98
3633475.90 0.81838
502621.98 3633475.90 0.85045 502671.98
3633475.90 0.88392
504771.98 3633475.90 0.73798 504821.98
3633475.90 0.74273
504871.98 3633475.90 0.74155 504921.98
3633475.90 0.73680
504971.98 3633475.90 0.70799 505021.98
3633475.90 0.66956
505071.98 3633475.90 0.65014 505121.98
3633475.90 0.63796
505171.98 3633475.90 0.62886 505221.98
3633475.90 0.63064
502221.98 3633525.90 0.64644 502271.98
3633525.90 0.67076
502321.98 3633525.90 0.69634 502371.98
3633525.90 0.72371
502421.98 3633525.90 0.75245 502471.98
3633525.90 0.78249
502521.98 3633525.90 0.81366 502571.98
3633525.90 0.84607
502621.98 3633525.90 0.88088 502671.98
3633525.90 0.91722
504771.98 3633525.90 0.80215 504821.98
3633525.90 0.79697
504871.98 3633525.90 0.79164 504921.98

```
3633525.90        0.78489
         504971.98    3633525.90        0.77514                      505021.98
3633525.90        0.73856
         505071.98    3633525.90        0.70195                      505121.98
3633525.90        0.67741
         505171.98    3633525.90        0.66554                      505221.98
3633525.90        0.66116
         502221.98    3633575.90        0.66286                      502271.98
3633575.90        0.68797
         502321.98    3633575.90        0.71505                      502371.98
3633575.90        0.74421
         502421.98    3633575.90        0.77466                      502471.98
3633575.90        0.80646
         502521.98    3633575.90        0.83984                      502571.98
3633575.90        0.87509
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 190
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                  INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                 L0000915    , L0000916    , L0000917    , L0000918    ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3633575.90        0.91241                      502671.98
3633575.90        0.95168
         504771.98    3633575.90        0.86352                      504821.98
3633575.90        0.85775
         504871.98    3633575.90        0.85049                      504921.98
3633575.90        0.83357
         504971.98    3633575.90        0.83021                      505021.98
3633575.90        0.80824
         505071.98    3633575.90        0.76279                      505121.98
3633575.90        0.72337
         505171.98    3633575.90        0.70453                      505221.98
```

3633575.90 0.70002
502221.98 3633625.90 0.67859 502271.98
3633625.90 0.70505
502321.98 3633625.90 0.73413 502371.98
3633625.90 0.76480
502421.98 3633625.90 0.79737 502471.98
3633625.90 0.83100
502521.98 3633625.90 0.86740 502571.98
3633625.90 0.90542
502621.98 3633625.90 0.94562 502671.98
3633625.90 0.98787
504771.98 3633625.90 0.92771 504821.98
3633625.90 0.94087
504871.98 3633625.90 0.91537 504921.98
3633625.90 0.89817
504971.98 3633625.90 0.89182 505021.98
3633625.90 0.86942
505071.98 3633625.90 0.81486 505121.98
3633625.90 0.77123
505171.98 3633625.90 0.74319 505221.98
3633625.90 0.73749
502221.98 3633675.90 0.69442 502271.98
3633675.90 0.72205
502321.98 3633675.90 0.75279 502371.98
3633675.90 0.78501
502421.98 3633675.90 0.81992 502471.98
3633675.90 0.85627
502521.98 3633675.90 0.89502 502571.98
3633675.90 0.93585
502621.98 3633675.90 0.97908 502671.98
3633675.90 1.02478
504771.98 3633675.90 1.02204 504821.98
3633675.90 1.01622
504871.98 3633675.90 1.00322 504921.98
3633675.90 0.98558
504971.98 3633675.90 0.96158 505021.98
3633675.90 0.92640
505071.98 3633675.90 0.86134 505121.98
3633675.90 0.80534
505171.98 3633675.90 0.77719 505221.98
3633675.90 0.76994
502221.98 3633725.90 0.70972 502271.98
3633725.90 0.73893
502321.98 3633725.90 0.77163 502371.98
3633725.90 0.80600
502421.98 3633725.90 0.84260 502471.98
3633725.90 0.88147
502521.98 3633725.90 0.92281 502571.98
3633725.90 0.96671
502621.98 3633725.90 1.01333 502671.98

```
3633725.90        1.06270
         504771.98    3633725.90        1.16209                       504821.98
3633725.90        1.11493
         504871.98    3633725.90        1.09672                       504921.98
3633725.90        1.06043
         504971.98    3633725.90        1.01818                       505021.98
3633725.90        0.96364
         505071.98    3633725.90        0.88922                       505121.98
3633725.90        0.83506
         505171.98    3633725.90        0.81498                       505221.98
3633725.90        0.79967
         502221.98    3633775.90        0.72504                       502271.98
3633775.90        0.75577
         502321.98    3633775.90        0.79086                       502371.98
3633775.90        0.82693
         502421.98    3633775.90        0.86581                       502471.98
3633775.90        0.90658
         502521.98    3633775.90        0.95077                       502571.98
3633775.90        0.99786
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 191
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                  INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                 L0000915    , L0000916    , L0000917    , L0000918    ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3633775.90        1.04783                       502671.98
3633775.90        1.10119
         504771.98    3633775.90        1.31337                       504821.98
3633775.90        1.25981
         504871.98    3633775.90        1.18782                       504921.98
3633775.90        1.10791
         504971.98    3633775.90        1.05837                       505021.98
```

3633775.90 0.99249
505071.98 3633775.90 0.92877 505121.98
3633775.90 0.87385
505171.98 3633775.90 0.84263 505221.98
3633775.90 0.81872
502221.98 3633825.90 0.74079 502271.98
3633825.90 0.77293
502321.98 3633825.90 0.80917 502371.98
3633825.90 0.84752
502421.98 3633825.90 0.88827 502471.98
3633825.90 0.93174
502521.98 3633825.90 0.97865 502571.98
3633825.90 1.02905
502621.98 3633825.90 1.08301 502671.98
3633825.90 1.14050
504771.98 3633825.90 1.44720 504821.98
3633825.90 1.35485
504871.98 3633825.90 1.20667 504921.98
3633825.90 1.12186
504971.98 3633825.90 1.06929 505021.98
3633825.90 1.02272
505071.98 3633825.90 0.95953 505121.98
3633825.90 0.89299
505171.98 3633825.90 0.85379 505221.98
3633825.90 0.82287
502221.98 3633875.90 0.75541 502271.98
3633875.90 0.78942
502321.98 3633875.90 0.82773 502371.98
3633875.90 0.86732
502421.98 3633875.90 0.91054 502471.98
3633875.90 0.95622
502521.98 3633875.90 1.00636 502571.98
3633875.90 1.06028
502621.98 3633875.90 1.11806 502671.98
3633875.90 1.17989
504771.98 3633875.90 1.54435 504821.98
3633875.90 1.38469
504871.98 3633875.90 1.23935 504921.98
3633875.90 1.15836
504971.98 3633875.90 1.08973 505021.98
3633875.90 1.02295
505071.98 3633875.90 0.96791 505121.98
3633875.90 0.90031
505171.98 3633875.90 0.85707 505221.98
3633875.90 0.82284
502221.98 3633925.90 0.76989 502271.98
3633925.90 0.80593
502321.98 3633925.90 0.84543 502371.98
3633925.90 0.88673
502421.98 3633925.90 0.93275 502471.98

3633925.90   0.98111
         502521.98   3633925.90   1.03395   502571.98
3633925.90   1.09103
         502621.98   3633925.90   1.15272   502671.98
3633925.90   1.21907
         504771.98   3633925.90   1.59416   504821.98
3633925.90   1.43296
         504871.98   3633925.90   1.31073   504921.98
3633925.90   1.18727
         504971.98   3633925.90   1.08680   505021.98
3633925.90   1.01671
         505071.98   3633925.90   0.95490   505121.98
3633925.90   0.90272
         505171.98   3633925.90   0.86762   505221.98
3633925.90   0.83744
         502221.98   3633975.90   0.78422   502271.98
3633975.90   0.82086
         502321.98   3633975.90   0.86192   502371.98
3633975.90   0.90647
         502421.98   3633975.90   0.95421   502471.98
3633975.90   1.00544
         502521.98   3633975.90   1.06126   502571.98
3633975.90   1.12143

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502621.98   3633975.90   1.18709   502671.98
3633975.90   1.25788
         504771.98   3633975.90   1.60093   504821.98

3633975.90 1.47284
504871.98 3633975.90 1.35704 504921.98
3633975.90 1.21778
504971.98 3633975.90 1.08197 505021.98
3633975.90 1.00217
505071.98 3633975.90 0.94624 505121.98
3633975.90 0.92106
505171.98 3633975.90 0.89421 505221.98
3633975.90 0.86486
502221.98 3634025.90 0.79788 502271.98
3634025.90 0.83575
502321.98 3634025.90 0.87830 502371.98
3634025.90 0.92479
502421.98 3634025.90 0.97459 502471.98
3634025.90 1.02849
502521.98 3634025.90 1.08708 502571.98
3634025.90 1.15090
502621.98 3634025.90 1.22070 502671.98
3634025.90 1.29645
504771.98 3634025.90 1.58830 504821.98
3634025.90 1.48824
504871.98 3634025.90 1.33126 504921.98
3634025.90 1.19584
504971.98 3634025.90 1.07486 505021.98
3634025.90 1.01062
505071.98 3634025.90 0.96676 505121.98
3634025.90 0.94923
505171.98 3634025.90 0.92641 505221.98
3634025.90 0.89029
502221.98 3634075.90 0.80983 502271.98
3634075.90 0.84979
502321.98 3634075.90 0.89379 502371.98
3634075.90 0.94140
502421.98 3634075.90 0.99286 502471.98
3634075.90 1.04935
502521.98 3634075.90 1.11135 502571.98
3634075.90 1.17953
502621.98 3634075.90 1.25306 502671.98
3634075.90 1.33418
504771.98 3634075.90 1.58983 504821.98
3634075.90 1.46264
504871.98 3634075.90 1.30048 504921.98
3634075.90 1.19240
504971.98 3634075.90 1.10218 505021.98
3634075.90 1.03933
505071.98 3634075.90 0.99454 505121.98
3634075.90 0.96578
505171.98 3634075.90 0.93878 505221.98
3634075.90 0.89676
502221.98 3634125.90 0.82046 502271.98

3634125.90   0.86326
         502321.98   3634125.90   0.90846   502371.98
3634125.90   0.95843
         502421.98   3634125.90   1.01204   502471.98
3634125.90   1.07055
         502521.98   3634125.90   1.13445   502571.98
3634125.90   1.20466
         502621.98   3634125.90   1.28382   502671.98
3634125.90   1.37027
         504771.98   3634125.90   1.52673   504821.98
3634125.90   1.42438
         504871.98   3634125.90   1.31828   504921.98
3634125.90   1.19836
         504971.98   3634125.90   1.12384   505021.98
3634125.90   1.05051
         505071.98   3634125.90   0.99872   505121.98
3634125.90   0.96171
         505171.98   3634125.90   0.92099   505221.98
3634125.90   0.87423
         502221.98   3634175.90   0.82914   502271.98
3634175.90   0.87299
         502321.98   3634175.90   0.91952   502371.98
3634175.90   0.97505
         502421.98   3634175.90   1.03067   502471.98
3634175.90   1.09136
         502521.98   3634175.90   1.15745   502571.98
3634175.90   1.23063

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -

- -
502621.98 3634175.90 1.31136 502671.98
3634175.90 1.40183
504771.98 3634175.90 1.49894 504821.98
3634175.90 1.38586
504871.98 3634175.90 1.28225 504921.98
3634175.90 1.18816
504971.98 3634175.90 1.09902 505021.98
3634175.90 1.02463
505071.98 3634175.90 0.94918 505121.98
3634175.90 0.91607
505171.98 3634175.90 0.87432 505221.98
3634175.90 0.83949
502221.98 3634225.90 0.83943 502271.98
3634225.90 0.88339
502321.98 3634225.90 0.93415 502371.98
3634225.90 0.98957
502421.98 3634225.90 1.04758 502471.98
3634225.90 1.11055
502521.98 3634225.90 1.17894 502571.98
3634225.90 1.25529
502621.98 3634225.90 1.33920 502671.98
3634225.90 1.43294
504771.98 3634225.90 1.44570 504821.98
3634225.90 1.31438
504871.98 3634225.90 1.21573 504921.98
3634225.90 1.11440
504971.98 3634225.90 1.04746 505021.98
3634225.90 0.96270
505071.98 3634225.90 0.88941 505121.98
3634225.90 0.85467
505171.98 3634225.90 0.80097 505221.98
3634225.90 0.79237
502221.98 3634275.90 0.84881 502271.98
3634275.90 0.89396
502321.98 3634275.90 0.94496 502371.98
3634275.90 1.00251
502421.98 3634275.90 1.06205 502471.98
3634275.90 1.12694
502521.98 3634275.90 1.19848 502571.98
3634275.90 1.27719
502621.98 3634275.90 1.36511 502671.98
3634275.90 1.46278
504771.98 3634275.90 1.33337 504821.98
3634275.90 1.20967
504871.98 3634275.90 1.11530 504921.98
3634275.90 1.04252
504971.98 3634275.90 1.00367 505021.98
3634275.90 0.91364
505071.98 3634275.90 0.85339 505121.98

3634275.90   0.82919
         505171.98   3634275.90   0.76733   505221.98
3634275.90   0.76671
         502221.98   3634325.90   0.85765   502271.98
3634325.90   0.90454
         502321.98   3634325.90   0.95519   502371.98
3634325.90   1.01061
         502421.98   3634325.90   1.07110   502471.98
3634325.90   1.13714
         502521.98   3634325.90   1.21032   502571.98
3634325.90   1.29114
         502621.98   3634325.90   1.38083   502671.98
3634325.90   1.48173
         504771.98   3634325.90   1.23462   504821.98
3634325.90   1.15615
         504871.98   3634325.90   1.08548   504921.98
3634325.90   1.04016
         504971.98   3634325.90   0.99891   505021.98
3634325.90   0.90234
         505071.98   3634325.90   0.84920   505121.98
3634325.90   0.84061
         505171.98   3634325.90   0.78058   505221.98
3634325.90   0.75600
         502221.98   3634375.90   0.86615   502271.98
3634375.90   0.91382
         502321.98   3634375.90   0.96406   502371.98
3634375.90   1.01922
         502421.98   3634375.90   1.08269   502471.98
3634375.90   1.15238
         502521.98   3634375.90   1.22988   502571.98
3634375.90   1.31350

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634375.90	1.40372	502671.98	3634375.90	1.50187
504771.98	3634375.90	1.22048	504821.98	3634375.90	1.18294
504871.98	3634375.90	1.11971	504921.98	3634375.90	1.07932
504971.98	3634375.90	1.01378	505021.98	3634375.90	0.91242
505071.98	3634375.90	0.86495	505121.98	3634375.90	0.86296
505171.98	3634375.90	0.80376	505221.98	3634375.90	0.75765
502221.98	3634425.90	0.87418	502271.98	3634425.90	0.92270
502321.98	3634425.90	0.97512	502371.98	3634425.90	1.03249
502421.98	3634425.90	1.09576	502471.98	3634425.90	1.16484
502521.98	3634425.90	1.24197	502571.98	3634425.90	1.32715
502621.98	3634425.90	1.42223	502671.98	3634425.90	1.52834
504771.98	3634425.90	1.22462	504821.98	3634425.90	1.18169
504871.98	3634425.90	1.17314	504921.98	3634425.90	1.15649
504971.98	3634425.90	1.03230	505021.98	3634425.90	0.95786
505071.98	3634425.90	0.92739	505121.98	3634425.90	0.89017
505171.98	3634425.90	0.82405	505221.98	3634425.90	0.76773
502221.98	3634475.90	0.87878	502271.98	3634475.90	0.92759
502321.98	3634475.90	0.98071	502371.98	3634475.90	1.03888
502421.98	3634475.90	1.10273	502471.98	3634475.90	1.17289
502521.98	3634475.90	1.25116	502571.98	3634475.90	1.33774
502621.98	3634475.90	1.43427	502671.98	3634475.90	1.54257
504771.98	3634475.90	1.22759	504821.98	3634475.90	1.15695
504871.98	3634475.90	1.16046	504921.98		

```
3634475.90        1.24160
         504971.98    3634475.90        1.12930                        505021.98
3634475.90        1.05362
         505071.98    3634475.90        1.00723                        505121.98
3634475.90        0.93537
         505171.98    3634475.90        0.85938                        505221.98
3634475.90        0.79532
         502221.98    3634525.90        0.88217                        502271.98
3634525.90        0.93102
         502321.98    3634525.90        0.98447                        502371.98
3634525.90        1.04315
         502421.98    3634525.90        1.10743                        502471.98
3634525.90        1.17844
         502521.98    3634525.90        1.25694                        502571.98
3634525.90        1.34455
         502621.98    3634525.90        1.44226                        502671.98
3634525.90        1.55279
         504771.98    3634525.90        1.32837                        504821.98
3634525.90        1.21915
         504871.98    3634525.90        1.22013                        504921.98
3634525.90        1.33835
         504971.98    3634525.90        1.32411                        505021.98
3634525.90        1.21026
         505071.98    3634525.90        1.11324                        505121.98
3634525.90        0.99964
         505171.98    3634525.90        0.89813                        505221.98
3634525.90        0.81563
         502221.98    3634575.90        0.88472                        502271.98
3634575.90        0.93299
         502321.98    3634575.90        0.98638                        502371.98
3634575.90        1.04514
         502421.98    3634575.90        1.10979                        502471.98
3634575.90        1.18119
         502521.98    3634575.90        1.26002                        502571.98
3634575.90        1.34783
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 195
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                  INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                L0000915    , L0000916    , L0000917    , L0000918    ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634575.90	1.44599	502671.98	3634575.90	1.55674
504771.98	3634575.90	1.59841	504821.98	3634575.90	1.44678
504871.98	3634575.90	1.47020	504921.98	3634575.90	1.56897
504971.98	3634575.90	1.45319	505021.98	3634575.90	1.27851
505071.98	3634575.90	1.15176	505121.98	3634575.90	1.04217
505171.98	3634575.90	0.89021	505221.98	3634575.90	0.81616
502221.98	3634625.90	0.88521	502271.98	3634625.90	0.93408
502321.98	3634625.90	0.98650	502371.98	3634625.90	1.04507
502421.98	3634625.90	1.10948	502471.98	3634625.90	1.18072
502521.98	3634625.90	1.26032	502571.98	3634625.90	1.34787
502621.98	3634625.90	1.44578	502671.98	3634625.90	1.55539
504771.98	3634625.90	2.01881	504821.98	3634625.90	1.96345
504871.98	3634625.90	1.81727	504921.98	3634625.90	1.67260
504971.98	3634625.90	1.48793	505021.98	3634625.90	1.30717
505071.98	3634625.90	1.14953	505121.98	3634625.90	1.04423
505171.98	3634625.90	0.88104	505221.98	3634625.90	0.80577
502221.98	3634675.90	0.88365	502271.98	3634675.90	0.93298
502321.98	3634675.90	0.98637	502371.98	3634675.90	1.04448
502421.98	3634675.90	1.10861	502471.98	3634675.90	1.17926
502521.98	3634675.90	1.25735	502571.98	3634675.90	1.34429
502621.98	3634675.90	1.44116	502671.98		

```
3634675.90        1.54923
         504771.98    3634675.90        2.19983                        504821.98
3634675.90        2.02959
         504871.98    3634675.90        1.82814                        504921.98
3634675.90        1.69213
         504971.98    3634675.90        1.54810                        505021.98
3634675.90        1.32800
         505071.98    3634675.90        1.12708                        505121.98
3634675.90        1.03321
         505171.98    3634675.90        0.89933                        505221.98
3634675.90        0.81509
         502221.98    3634725.90        0.88089                        502271.98
3634725.90        0.92955
         502321.98    3634725.90        0.98169                        502371.98
3634725.90        1.03935
         502421.98    3634725.90        1.10340                        502471.98
3634725.90        1.17330
         502521.98    3634725.90        1.25008                        502571.98
3634725.90        1.33584
         502621.98    3634725.90        1.43093                        502671.98
3634725.90        1.53757
         504771.98    3634725.90        2.15355                        504821.98
3634725.90        2.00198
         504871.98    3634725.90        1.85873                        504921.98
3634725.90        1.69072
         504971.98    3634725.90        1.50621                        505021.98
3634725.90        1.25556
         505071.98    3634725.90        1.10357                        505121.98
3634725.90        1.00374
         505171.98    3634725.90        0.87728                        505221.98
3634725.90        0.81634
         502221.98    3634775.90        0.87725                        502271.98
3634775.90        0.92521
         502321.98    3634775.90        0.97602                        502371.98
3634775.90        1.03240
         502421.98    3634775.90        1.09436                        502471.98
3634775.90        1.16293
         502521.98    3634775.90        1.23959                        502571.98
3634775.90        1.32291
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 196
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                 INCLUDING SOURCE(S):     L0000910    , L0000911
```

, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
3634875.90        1.13600
         502521.98    3634875.90        1.20666                        502571.98
3634875.90        1.28445
         502621.98    3634875.90        1.37031                        502671.98
3634875.90        1.46537
         504771.98    3634875.90        1.93893                        504821.98
3634875.90        1.82157
         504871.98    3634875.90        1.69560                        504921.98
3634875.90        1.41604
         504971.98    3634875.90        1.11801                        505021.98
3634875.90        0.96294
         505071.98    3634875.90        0.88187                        505121.98
3634875.90        0.85649
         505171.98    3634875.90        0.80456                        505221.98
3634875.90        0.76837
         502221.98    3634925.90        0.85367                        502271.98
3634925.90        0.89829
         502321.98    3634925.90        0.94632                        502371.98
3634925.90        0.99848
         502421.98    3634925.90        1.05527                        502471.98
3634925.90        1.11719
         502521.98    3634925.90        1.18508                        502571.98
3634925.90        1.25949
         502621.98    3634925.90        1.34138                        502671.98
3634925.90        1.43167
         504771.98    3634925.90        1.86390                        504821.98
3634925.90        1.74996
         504871.98    3634925.90        1.63575                        504921.98
3634925.90        1.39566
         504971.98    3634925.90        1.10824                        505021.98
3634925.90        0.92154
         505071.98    3634925.90        0.83303                        505121.98
3634925.90        0.80746
         505171.98    3634925.90        0.76948                        505221.98
3634925.90        0.74402
         502221.98    3634975.90        0.84226                        502271.98
3634975.90        0.88545
         502321.98    3634975.90        0.93189                        502371.98
3634975.90        0.98213
         502421.98    3634975.90        1.03671                        502471.98
3634975.90        1.09611
         502521.98    3634975.90        1.16092                        502571.98
3634975.90        1.23182
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 197
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***

INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634975.90	1.30955	502671.98	3634975.90	1.39501
504821.98	3634975.90	1.67734	504871.98	3634975.90	1.57516
504921.98	3634975.90	1.42408	504971.98	3634975.90	1.08786
505021.98	3634975.90	0.91330	505071.98	3634975.90	0.82190
505121.98	3634975.90	0.81502	505171.98	3634975.90	0.77823
505221.98	3634975.90	0.73843	502221.98	3635025.90	0.82948
502271.98	3635025.90	0.87119	502321.98	3635025.90	0.91586
502371.98	3635025.90	0.96414	502421.98	3635025.90	1.01634
502471.98	3635025.90	1.07307	502521.98	3635025.90	1.13473
502571.98	3635025.90	1.20203	502621.98	3635025.90	1.27554
502671.98	3635025.90	1.35613	504871.98	3635025.90	1.51595
504921.98	3635025.90	1.38322	504971.98	3635025.90	1.12377
505021.98	3635025.90	0.91642	505071.98	3635025.90	0.84035
505121.98	3635025.90	0.84571	505171.98	3635025.90	0.81346
505221.98	3635025.90	0.75894	502221.98	3635075.90	0.81586
502271.98	3635075.90	0.85583	502321.98	3635075.90	0.89843
502371.98	3635075.90	0.94468	502421.98		

```
3635075.90        0.99444
         502471.98    3635075.90        1.04837                        502521.98
3635075.90        1.10695
         502571.98    3635075.90        1.17069                        502621.98
3635075.90        1.24016
         502671.98    3635075.90        1.31584                        504921.98
3635075.90        1.37041
         504971.98    3635075.90        1.23614                        505021.98
3635075.90        0.97726
         505071.98    3635075.90        0.91835                        505121.98
3635075.90        0.91529
         505171.98    3635075.90        0.91669                        505221.98
3635075.90        0.84667
         502221.98    3635125.90        0.80103                        502271.98
3635125.90        0.83949
         502321.98    3635125.90        0.88020                        502371.98
3635125.90        0.92424
         502421.98    3635125.90        0.97164                        502471.98
3635125.90        1.02274
         502521.98    3635125.90        1.07829                        502571.98
3635125.90        1.13852
         502621.98    3635125.90        1.20386                        502671.98
3635125.90        1.27504
         505021.98    3635125.90        1.14184                        505071.98
3635125.90        1.05364
         505121.98    3635125.90        1.03712                        505171.98
3635125.90        1.01050
         505221.98    3635125.90        0.90283                        502221.98
3635175.90        0.78547
         502271.98    3635175.90        0.82232                        502321.98
3635175.90        0.86115
         502371.98    3635175.90        0.90297                        502421.98
3635175.90        0.94797
         502471.98    3635175.90        0.99643                        502521.98
3635175.90        1.04879
         502571.98    3635175.90        1.10574                        502621.98
3635175.90        1.16746
         502671.98    3635175.90        1.23415                        505121.98
3635175.90        1.04404
         505171.98    3635175.90        0.99556                        505221.98
3635175.90        0.94611
         502221.98    3635225.90        0.76948                        502271.98
3635225.90        0.80447
         502321.98    3635225.90        0.84170                        502371.98
3635225.90        0.88151
         502421.98    3635225.90        0.92422                        502471.98
3635225.90        0.97017
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***

INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3635225.90	1.01979	502571.98	3635225.90	1.07338
502621.98	3635225.90	1.13119	502671.98	3635225.90	1.19392
502221.98	3635275.90	0.81668	502271.98	3635275.90	0.78647
502321.98	3635275.90	0.82163	502371.98	3635275.90	0.86980
502421.98	3635275.90	0.90008	502471.98	3635275.90	0.94762
502521.98	3635275.90	1.02356	502571.98	3635275.90	1.04100
502621.98	3635275.90	1.09549	502671.98	3635275.90	1.15413
502221.98	3635325.90	0.79053	502271.98	3635325.90	0.76820
502321.98	3635325.90	0.84109	502371.98	3635325.90	0.87545
502421.98	3635325.90	0.91060	502471.98	3635325.90	0.94678
502521.98	3635325.90	0.98485	502571.98	3635325.90	1.02409
502621.98	3635325.90	1.06626	502671.98	3635325.90	1.11663
502221.98	3635375.90	0.76038	502271.98	3635375.90	0.78261
502321.98	3635375.90	0.81343	502371.98	3635375.90	0.84514
502421.98	3635375.90	0.87827	502471.98		

3635375.90 0.91258
502521.98 3635375.90 0.94642 502571.98 3635375.90 0.98438
502621.98 3635375.90 1.02532 502671.98 3635375.90 1.06985
502221.98 3635425.90 0.73676 502271.98 3635425.90 0.75759
502321.98 3635425.90 0.78570 502371.98 3635425.90 0.81487
502421.98 3635425.90 0.84558 502471.98 3635425.90 0.87746
502521.98 3635425.90 0.90978 502571.98 3635425.90 0.94483
502621.98 3635425.90 0.98288 502671.98 3635425.90 1.02470
504771.98 3635425.90 1.23637 502221.98 3635475.90 0.71176
502271.98 3635475.90 0.73461 502321.98 3635475.90 0.76010
502371.98 3635475.90 0.78682 502421.98 3635475.90 0.81460
502471.98 3635475.90 0.84139 502521.98 3635475.90 0.87358
502571.98 3635475.90 0.90686 502621.98 3635475.90 0.94342
502671.98 3635475.90 0.97971 504771.98 3635475.90 1.20931
504821.98 3635475.90 1.14692 504871.98 3635475.90 1.09308
504921.98 3635475.90 1.04023 502221.98 3635525.90 0.68621
502271.98 3635525.90 0.71117 502321.98 3635525.90 0.73447
502371.98 3635525.90 0.75852 502421.98 3635525.90 0.78380
502471.98 3635525.90 0.80935 502521.98 3635525.90 0.83911
502571.98 3635525.90 0.87019 502621.98 3635525.90 0.90265
502671.98 3635525.90 0.93584 502721.98 3635525.90 0.97323
502771.98 3635525.90 1.01620 502821.98 3635525.90 1.06209
502871.98 3635525.90 1.11238 502921.98 3635525.90 1.16319
502971.98 3635525.90 1.21664 503021.98 3635525.90 1.27213
503071.98 3635525.90 1.33181 503121.98 3635525.90 1.39636
503171.98 3635525.90 1.44824 503221.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                    INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                  L0000915   , L0000916   , L0000917   , L0000918   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3635525.90 1.38814
504571.98 3635525.90 1.36641 504621.98
3635525.90 1.32494
504671.98 3635525.90 1.27391 504721.98
3635525.90 1.22785
504771.98 3635525.90 1.16940 504821.98
3635525.90 1.11521
504871.98 3635525.90 1.06228 504921.98
3635525.90 1.00747
504971.98 3635525.90 0.96382 505021.98
3635525.90 0.92367
505071.98 3635525.90 0.88328 505121.98
3635525.90 0.84546
505171.98 3635525.90 0.81014 505221.98
3635525.90 0.77672
502221.98 3635575.90 0.65722 502271.98
3635575.90 0.68707
502321.98 3635575.90 0.70850 502371.98
3635575.90 0.73055
502421.98 3635575.90 0.75288 502471.98
3635575.90 0.77840
502521.98 3635575.90 0.80761 502571.98
3635575.90 0.83740
502621.98 3635575.90 0.86737 502671.98
3635575.90 0.89852
502721.98 3635575.90 0.93407 502771.98
3635575.90 0.97575
502821.98 3635575.90 1.01833 502871.98
3635575.90 1.06291
502921.98 3635575.90 1.10966 502971.98
3635575.90 1.15606
503021.98 3635575.90 1.20451 503071.98
3635575.90 1.25866
503121.98 3635575.90 1.31557 503171.98
3635575.90 1.36064
503221.98 3635575.90 1.39654 503271.98
3635575.90 1.44562
503321.98 3635575.90 1.49500 503371.98
3635575.90 1.54680
503421.98 3635575.90 1.59931 503471.98
3635575.90 1.65726
503521.98 3635575.90 1.70811 503571.98
3635575.90 1.73496
503621.98 3635575.90 1.73096 503671.98
3635575.90 1.74671
503721.98 3635575.90 1.76523 503771.98
3635575.90 1.78147
503821.98 3635575.90 1.79348 503871.98
3635575.90 1.81814
503921.98 3635575.90 1.84494 503971.98

3635575.90   1.87152
         504021.98   3635575.90   1.77199   504071.98
3635575.90   1.73142
         504121.98   3635575.90   1.72021   504171.98
3635575.90   1.70478

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         504221.98   3635575.90   1.61459   504271.98
3635575.90   1.53571
         504321.98   3635575.90   1.49259   504371.98
3635575.90   1.44806
         504421.98   3635575.90   1.40273   504471.98
3635575.90   1.35752
         504521.98   3635575.90   1.31114   504571.98
3635575.90   1.26531
         504621.98   3635575.90   1.26157   504671.98
3635575.90   1.21569
         504721.98   3635575.90   1.17149   504771.98
3635575.90   1.12669
         504821.98   3635575.90   1.08031   504871.98
3635575.90   1.02842
         504921.98   3635575.90   0.97512   504971.98
3635575.90   0.93655
         505021.98   3635575.90   0.89768   505071.98
3635575.90   0.85967
         505121.98   3635575.90   0.82618   505171.98
3635575.90   0.78933
         505221.98   3635575.90   0.75961   502221.98

3635625.90 0.62598
502271.98 3635625.90 0.65630 502321.98
3635625.90 0.67918
502371.98 3635625.90 0.70293 502421.98
3635625.90 0.71767
502471.98 3635625.90 0.74047 502521.98
3635625.90 0.76695
502571.98 3635625.90 0.80360 502621.98
3635625.90 0.83724
502671.98 3635625.90 0.86555 502721.98
3635625.90 0.89714
502771.98 3635625.90 0.93305 502821.98
3635625.90 0.97000
502871.98 3635625.90 1.00920 502921.98
3635625.90 1.05064
502971.98 3635625.90 1.09359 503021.98
3635625.90 1.13727
503071.98 3635625.90 1.18193 503121.98
3635625.90 1.22681
503171.98 3635625.90 1.27174 503221.98
3635625.90 1.31665
503271.98 3635625.90 1.36251 503321.98
3635625.90 1.40782
503371.98 3635625.90 1.45341 503421.98
3635625.90 1.50101
503471.98 3635625.90 1.55046 503521.98
3635625.90 1.59803
503571.98 3635625.90 1.62873 503621.98
3635625.90 1.63448
503671.98 3635625.90 1.64805 503721.98
3635625.90 1.66006
503771.98 3635625.90 1.67022 503821.98
3635625.90 1.67589
503871.98 3635625.90 1.67070 503921.98
3635625.90 1.69866
503971.98 3635625.90 1.71788 504021.98
3635625.90 1.65243
504071.98 3635625.90 1.62515 504121.98
3635625.90 1.60931
504171.98 3635625.90 1.58781 504221.98
3635625.90 1.56841
504271.98 3635625.90 1.52650 504321.98
3635625.90 1.39871
504371.98 3635625.90 1.36011 504421.98
3635625.90 1.33397
504471.98 3635625.90 1.28034 504521.98
3635625.90 1.23984
504571.98 3635625.90 1.19960 504621.98
3635625.90 1.16252
504671.98 3635625.90 1.14470 504721.98

3635625.90   1.11816
         504771.98   3635625.90   1.08450   504821.98
3635625.90   1.04355
         504871.98   3635625.90   0.99600   504921.98
3635625.90   0.94521
         504971.98   3635625.90   0.91139   505021.98
3635625.90   0.86653
         505071.98   3635625.90   0.83045   505121.98
3635625.90   0.80276

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                   INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         505171.98   3635625.90   0.76934   505221.98
3635625.90   0.73876
         502221.98   3635675.90   0.59439   502271.98
3635675.90   0.62502
         502321.98   3635675.90   0.64563   502371.98
3635675.90   0.66884
         502421.98   3635675.90   0.68840   502471.98
3635675.90   0.71278
         502521.98   3635675.90   0.73956   502571.98
3635675.90   0.77118
         502621.98   3635675.90   0.80310   502671.98
3635675.90   0.83382
         502721.98   3635675.90   0.86186   502771.98
3635675.90   0.88883
         502821.98   3635675.90   0.92349   502871.98
3635675.90   0.95882
         502921.98   3635675.90   0.98594   502971.98

3635675.90 1.03150
503021.98 3635675.90 1.06809 503071.98
3635675.90 1.11028
503121.98 3635675.90 1.14962 503171.98
3635675.90 1.18961
503221.98 3635675.90 1.23673 503271.98
3635675.90 1.27923
503321.98 3635675.90 1.31894 503371.98
3635675.90 1.36227
503421.98 3635675.90 1.40948 503471.98
3635675.90 1.45211
503521.98 3635675.90 1.49349 503571.98
3635675.90 1.52821
503621.98 3635675.90 1.53774 503671.98
3635675.90 1.54411
503721.98 3635675.90 1.56254 503771.98
3635675.90 1.57250
503821.98 3635675.90 1.56874 503871.98
3635675.90 1.56565
503921.98 3635675.90 1.59595 503971.98
3635675.90 1.60394
504021.98 3635675.90 1.55319 504071.98
3635675.90 1.53101
504121.98 3635675.90 1.50323 504171.98
3635675.90 1.48235
504221.98 3635675.90 1.46119 504271.98
3635675.90 1.43725
504321.98 3635675.90 1.38364 504371.98
3635675.90 1.27955
504421.98 3635675.90 1.24498 504471.98
3635675.90 1.25991
504521.98 3635675.90 1.23258 504571.98
3635675.90 1.13785
504621.98 3635675.90 1.14859 504671.98
3635675.90 1.09786
504721.98 3635675.90 1.06402 504771.98
3635675.90 1.05863
504821.98 3635675.90 1.00631 504871.98
3635675.90 0.96372
504921.98 3635675.90 0.91700 504971.98
3635675.90 0.88694
505021.98 3635675.90 0.84728 505071.98
3635675.90 0.80877
505121.98 3635675.90 0.78282 505171.98
3635675.90 0.75147
505221.98 3635675.90 0.72119 502221.98
3635725.90 0.56858
502271.98 3635725.90 0.59902 502321.98
3635725.90 0.62229
502371.98 3635725.90 0.64657 502421.98

```
3635725.90        0.66491
         502471.98    3635725.90        0.68905                      502521.98
3635725.90        0.71237
         502571.98    3635725.90        0.74511                      502621.98
3635725.90        0.77563
         502671.98    3635725.90        0.80183                      502721.98
3635725.90        0.82934
         502771.98    3635725.90        0.85534                      502821.98
3635725.90        0.88499
         502871.98    3635725.90        0.91754                      502921.98
3635725.90        0.93762
         502971.98    3635725.90        0.97458                      503021.98
3635725.90        1.00498
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 202
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN    ***
                                 INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                 L0000915    , L0000916    , L0000917    , L0000918    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503071.98    3635725.90        1.04659                      503121.98
3635725.90        1.07740
         503171.98    3635725.90        1.11437                      503221.98
3635725.90        1.16441
         503271.98    3635725.90        1.20125                      503321.98
3635725.90        1.23504
         503371.98    3635725.90        1.27322                      503421.98
3635725.90        1.32355
         503471.98    3635725.90        1.36550                      503521.98
3635725.90        1.40357
         503571.98    3635725.90        1.42998                      503621.98
3635725.90        1.44934
         503671.98    3635725.90        1.44900                      503721.98
```

3635725.90 1.46722
503771.98 3635725.90 1.47376 503821.98
3635725.90 1.46831
503871.98 3635725.90 1.46648 503921.98
3635725.90 1.48920
503971.98 3635725.90 1.50426 504021.98
3635725.90 1.46489
504071.98 3635725.90 1.45045 504121.98
3635725.90 1.42091
504171.98 3635725.90 1.40243 504221.98
3635725.90 1.40535
504271.98 3635725.90 1.37882 504321.98
3635725.90 1.32181
504371.98 3635725.90 1.28341 504421.98
3635725.90 1.18921
504471.98 3635725.90 1.21341 504521.98
3635725.90 1.18287
504571.98 3635725.90 1.13144 504621.98
3635725.90 1.09919
504671.98 3635725.90 1.06783 504721.98
3635725.90 1.02081
504771.98 3635725.90 0.98703 504821.98
3635725.90 0.96292
504871.98 3635725.90 0.92378 504921.98
3635725.90 0.88858
504971.98 3635725.90 0.86268 505021.98
3635725.90 0.82961
505071.98 3635725.90 0.79118 505121.98
3635725.90 0.76433
505171.98 3635725.90 0.73391 505221.98
3635725.90 0.70476
502221.98 3635775.90 0.54744 502271.98
3635775.90 0.57860
502321.98 3635775.90 0.60057 502371.98
3635775.90 0.62514
502421.98 3635775.90 0.64380 502471.98
3635775.90 0.66610
502521.98 3635775.90 0.68893 502571.98
3635775.90 0.71572
502621.98 3635775.90 0.74240 502671.98
3635775.90 0.76886
502721.98 3635775.90 0.79946 502771.98
3635775.90 0.82785
502821.98 3635775.90 0.85419 502871.98
3635775.90 0.88137
502921.98 3635775.90 0.90046 502971.98
3635775.90 0.93406
503021.98 3635775.90 0.95330 503071.98
3635775.90 0.98735
503121.98 3635775.90 1.01842 503171.98

3635775.90   1.05684
         503221.98   3635775.90   1.04183   503271.98
3635775.90   1.04759
         503321.98   3635775.90   1.09876   503371.98
3635775.90   1.17777
         503421.98   3635775.90   1.23853   503471.98
3635775.90   1.28168
         503521.98   3635775.90   1.30847   503571.98
3635775.90   1.35007
         503621.98   3635775.90   1.37378   503671.98
3635775.90   1.37605
         503721.98   3635775.90   1.37254   503771.98
3635775.90   1.38223
         503821.98   3635775.90   1.38339   503871.98
3635775.90   1.39646
         503921.98   3635775.90   1.42745   503971.98
3635775.90   1.43466

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635775.90 1.16539
504521.98 3635775.90 1.13251 504571.98
3635775.90 1.08592
504621.98 3635775.90 1.05643 504671.98
3635775.90 1.01897
504721.98 3635775.90 0.98118 504771.98
3635775.90 0.95197
504821.98 3635775.90 0.92176 504871.98
3635775.90 0.89147
504921.98 3635775.90 0.86050 504971.98
3635775.90 0.83975
505021.98 3635775.90 0.80918 505071.98
3635775.90 0.77207
505121.98 3635775.90 0.74503 505171.98
3635775.90 0.71668
505221.98 3635775.90 0.68955 502221.98
3635825.90 0.52894
502271.98 3635825.90 0.55951 502321.98
3635825.90 0.58160
502371.98 3635825.90 0.60615 502421.98
3635825.90 0.62329
502471.98 3635825.90 0.64504 502521.98
3635825.90 0.66594
502571.98 3635825.90 0.69150 502621.98
3635825.90 0.71690
502671.98 3635825.90 0.74233 502721.98
3635825.90 0.76830
502771.98 3635825.90 0.79669 502821.98
3635825.90 0.82225
502871.98 3635825.90 0.84785 502921.98
3635825.90 0.86536
502971.98 3635825.90 0.89643 503021.98
3635825.90 0.90201
503071.98 3635825.90 0.92235 503121.98
3635825.90 0.95585
503171.98 3635825.90 0.99325 503221.98
3635825.90 0.96230
503271.98 3635825.90 0.98107 503321.98
3635825.90 1.02627
503371.98 3635825.90 1.10977 503421.98
3635825.90 1.15997
503471.98 3635825.90 1.20434 503521.98
3635825.90 1.17691
503571.98 3635825.90 1.22320 503621.98
3635825.90 1.28136
503671.98 3635825.90 1.30784 503721.98
3635825.90 1.30705
503771.98 3635825.90 1.30065 503821.98
3635825.90 1.30736
503871.98 3635825.90 1.31763 503921.98

3635825.90   1.33844
         503971.98   3635825.90   1.35719   504021.98
3635825.90   1.32652
         504071.98   3635825.90   1.36070   504121.98
3635825.90   1.35468
         504171.98   3635825.90   1.31430   504221.98
3635825.90   1.29815
         504271.98   3635825.90   1.29364   504321.98
3635825.90   1.24598
         504371.98   3635825.90   1.19102   504421.98
3635825.90   1.14962
         504471.98   3635825.90   1.12389   504521.98
3635825.90   1.09883
         504571.98   3635825.90   1.04911   504621.98
3635825.90   1.01654
         504671.98   3635825.90   0.97817   504721.98
3635825.90   0.93858
         504771.98   3635825.90   0.91101   504821.98
3635825.90   0.88953
         504871.98   3635825.90   0.86469   504921.98
3635825.90   0.83506

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635825.90 0.67501
502221.98 3635875.90 0.51309 502271.98
3635875.90 0.54314
502321.98 3635875.90 0.56613 502371.98
3635875.90 0.58774
502421.98 3635875.90 0.60435 502471.98
3635875.90 0.62456
502521.98 3635875.90 0.64318 502571.98
3635875.90 0.66723
502621.98 3635875.90 0.68792 502671.98
3635875.90 0.71251
502721.98 3635875.90 0.73931 502771.98
3635875.90 0.76648
502821.98 3635875.90 0.79030 502871.98
3635875.90 0.81511
502921.98 3635875.90 0.82491 502971.98
3635875.90 0.85364
503021.98 3635875.90 0.85530 503071.98
3635875.90 0.87421
503121.98 3635875.90 0.90242 503171.98
3635875.90 0.93694
503221.98 3635875.90 0.94719 503271.98
3635875.90 0.95102
503321.98 3635875.90 1.00939 503371.98
3635875.90 1.04490
503421.98 3635875.90 1.09312 503471.98
3635875.90 1.12288
503521.98 3635875.90 1.03819 503571.98
3635875.90 1.14614
503621.98 3635875.90 1.21140 503671.98
3635875.90 1.23111
503721.98 3635875.90 1.23219 503771.98
3635875.90 1.23093
503821.98 3635875.90 1.23876 503871.98
3635875.90 1.25612
503921.98 3635875.90 1.26599 503971.98
3635875.90 1.27791
504021.98 3635875.90 1.27058 504071.98
3635875.90 1.29344
504121.98 3635875.90 1.29062 504171.98
3635875.90 1.27367
504221.98 3635875.90 1.27126 504271.98
3635875.90 1.25781
504321.98 3635875.90 1.21467 504371.98
3635875.90 1.17461
504421.98 3635875.90 1.14185 504471.98
3635875.90 1.09068
504521.98 3635875.90 1.05389 504571.98
3635875.90 1.01763
504621.98 3635875.90 0.98274 504671.98

3635875.90   0.94653
         504721.98   3635875.90   0.90222   504771.98
3635875.90   0.87659
         504821.98   3635875.90   0.85676   504871.98
3635875.90   0.83200
         504921.98   3635875.90   0.80788   504971.98
3635875.90   0.79034
         505021.98   3635875.90   0.76069   505071.98
3635875.90   0.73312
         505121.98   3635875.90   0.70965   505171.98
3635875.90   0.68471
         505221.98   3635875.90   0.66101   502221.98
3635925.90   0.49710
         502271.98   3635925.90   0.52676   502321.98
3635925.90   0.54758
         502371.98   3635925.90   0.57053   502421.98
3635925.90   0.58614
         502471.98   3635925.90   0.60489   502521.98
3635925.90   0.62027
         502571.98   3635925.90   0.64198   502621.98
3635925.90   0.66312
         502671.98   3635925.90   0.68655   502721.98
3635925.90   0.71212
         502771.98   3635925.90   0.73840   502821.98
3635925.90   0.76012

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
3635925.90        0.79113
         502971.98    3635925.90        0.81354                    503021.98
3635925.90        0.81537
         503071.98    3635925.90        0.82989                    503121.98
3635925.90        0.85541
         503171.98    3635925.90        0.87971                    503221.98
3635925.90        0.89438
         503271.98    3635925.90        0.91873                    503321.98
3635925.90        0.95669
         503371.98    3635925.90        0.99518                    503421.98
3635925.90        1.03155
         503471.98    3635925.90        1.01851                    503521.98
3635925.90        0.98537
         503571.98    3635925.90        1.06972                    503621.98
3635925.90        1.15004
         503671.98    3635925.90        1.16295                    503721.98
3635925.90        1.16835
         503771.98    3635925.90        1.17262                    503821.98
3635925.90        1.17582
         503871.98    3635925.90        1.17987                    503921.98
3635925.90        1.19169
         503971.98    3635925.90        1.20621                    504021.98
3635925.90        1.20927
         504071.98    3635925.90        1.21996                    504121.98
3635925.90        1.22676
         504171.98    3635925.90        1.22815                    504221.98
3635925.90        1.22946
         504271.98    3635925.90        1.20761                    504321.98
3635925.90        1.17645
         504371.98    3635925.90        1.15254                    504421.98
3635925.90        1.12509
         504471.98    3635925.90        1.08589                    504521.98
3635925.90        1.03938
         504571.98    3635925.90        0.99145                    504621.98
3635925.90        0.94197
         504671.98    3635925.90        0.91673                    504721.98
3635925.90        0.88331
         504771.98    3635925.90        0.85074                    504821.98
3635925.90        0.82062
         504871.98    3635925.90        0.79981                    504921.98
3635925.90        0.77831
         504971.98    3635925.90        0.76735                    505021.98
3635925.90        0.74633
         505071.98    3635925.90        0.72199                    505121.98
3635925.90        0.69363
         505171.98    3635925.90        0.66913                    505221.98
3635925.90        0.65119
         502221.98    3635975.90        0.47786                    502271.98
3635975.90        0.50682
         502321.98    3635975.90        0.52750                    502371.98
```

3635975.90   0.55161
         502421.98   3635975.90   0.56673   502471.98
3635975.90   0.58506
         502521.98   3635975.90   0.60063   502571.98
3635975.90   0.62379
         502621.98   3635975.90   0.64354   502671.98
3635975.90   0.66337
         502721.98   3635975.90   0.68687   502771.98
3635975.90   0.71051
         502821.98   3635975.90   0.73077   502871.98
3635975.90   0.75429
         502921.98   3635975.90   0.76100   502971.98
3635975.90   0.78130
         503021.98   3635975.90   0.78099   503071.98
3635975.90   0.79927
         503121.98   3635975.90   0.81527   503171.98
3635975.90   0.83564
         503221.98   3635975.90   0.85403   503271.98
3635975.90   0.88352
         503321.98   3635975.90   0.91405   503371.98
3635975.90   0.95817
         503421.98   3635975.90   0.94780   503471.98
3635975.90   0.94275
         503521.98   3635975.90   0.98120   503571.98
3635975.90   1.06059
         503621.98   3635975.90   1.08957   503671.98
3635975.90   1.10161
         503721.98   3635975.90   1.10789   503771.98
3635975.90   1.11161

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)

Y-COORD (M) CONC

- - - -

3632475.90   0.35730
         503821.98   3632475.90   0.33029   503921.98
3632475.90   0.30479
         504021.98   3632475.90   0.28363   504121.98
3632475.90   0.27833
         504221.98   3632475.90   0.26141   504321.98
3632475.90   0.25461
         504421.98   3632475.90   0.27230   504521.98
3632475.90   0.29065
         504621.98   3632475.90   0.25406   504721.98
3632475.90   0.24038
         504821.98   3632475.90   0.24105   504921.98
3632475.90   0.23718
         505021.98   3632475.90   0.22907   505121.98
3632475.90   0.23102
         505221.98   3632475.90   0.22533   505321.98
3632475.90   0.22478
         505421.98   3632475.90   0.22647   505521.98
3632475.90   0.22854
         505621.98   3632475.90   0.23319   505721.98
3632475.90   0.24220
         501721.98   3632575.90   0.32095   501821.98
3632575.90   0.33459
         501921.98   3632575.90   0.34886   502021.98
3632575.90   0.36371
         502121.98   3632575.90   0.37915   502221.98
3632575.90   0.39520
         502321.98   3632575.90   0.41166   502421.98
3632575.90   0.42849
         502521.98   3632575.90   0.44554   502621.98
3632575.90   0.46265
         502721.98   3632575.90   0.47951   502821.98
3632575.90   0.45652

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502921.98	3632575.90	0.45279	503021.98	3632575.90	0.44427
503121.98	3632575.90	0.44083	503221.98	3632575.90	0.43634
503321.98	3632575.90	0.42002	503421.98	3632575.90	0.40035
503721.98	3632575.90	0.36632	503821.98	3632575.90	0.33669
503921.98	3632575.90	0.26962	504021.98	3632575.90	0.25426
504121.98	3632575.90	0.25310	504221.98	3632575.90	0.25156
504321.98	3632575.90	0.24629	504421.98	3632575.90	0.25472
504521.98	3632575.90	0.28231	504621.98	3632575.90	0.27165
504721.98	3632575.90	0.24770	504821.98	3632575.90	0.25182
504921.98	3632575.90	0.24668	505021.98	3632575.90	0.23902
505121.98	3632575.90	0.24368	505221.98	3632575.90	0.24502
505321.98	3632575.90	0.24526	505421.98	3632575.90	0.24866
505521.98	3632575.90	0.25005	505621.98	3632575.90	0.25644
505721.98	3632575.90	0.26361	501721.98	3632675.90	0.33397
501821.98	3632675.90	0.34886	501921.98	3632675.90	0.36453
502021.98	3632675.90	0.38091	502121.98	3632675.90	0.39806
502221.98	3632675.90	0.41596	502321.98	3632675.90	0.43443
502421.98	3632675.90	0.45347	502521.98	3632675.90	0.47289
502621.98	3632675.90	0.49248	502721.98	3632675.90	0.51206
502821.98	3632675.90	0.46441	502921.98	3632675.90	0.44482
503021.98	3632675.90	0.43816	503721.98	3632675.90	0.39055
503821.98	3632675.90	0.36793	503921.98		

3632675.90   0.33268
         504021.98   3632675.90   0.29030   504121.98
3632675.90   0.27203
         504221.98   3632675.90   0.26462   504321.98
3632675.90   0.26267
         504421.98   3632675.90   0.26762   504521.98
3632675.90   0.27467
         504621.98   3632675.90   0.27063   504721.98
3632675.90   0.26669
         504821.98   3632675.90   0.26814   504921.98
3632675.90   0.26266
         505021.98   3632675.90   0.25947   505121.98
3632675.90   0.26346
         505221.98   3632675.90   0.26551   505321.98
3632675.90   0.26502
         505421.98   3632675.90   0.26949   505521.98
3632675.90   0.27706
         505621.98   3632675.90   0.28349   505721.98
3632675.90   0.28024
         502421.98   3632775.90   0.43356   502521.98
3632775.90   0.42986
         502621.98   3632775.90   0.45816   502721.98
3632775.90   0.54773
         502821.98   3632775.90   0.47615   502921.98
3632775.90   0.39947
         503021.98   3632775.90   0.36751   503121.98
3632775.90   0.40814
         503221.98   3632775.90   0.44784   503621.98
3632775.90   0.44460
         503721.98   3632775.90   0.42742   503821.98
3632775.90   0.37862
         503921.98   3632775.90   0.37020   504021.98
3632775.90   0.35682
         504121.98   3632775.90   0.32249   504221.98
3632775.90   0.29784
         504321.98   3632775.90   0.28681   504421.98
3632775.90   0.28787

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504521.98	3632775.90	0.28882	504621.98	3632775.90	0.28638
504721.98	3632775.90	0.28720	504821.98	3632775.90	0.28514
504921.98	3632775.90	0.28378	505021.98	3632775.90	0.28529
505121.98	3632775.90	0.28831	505221.98	3632775.90	0.28811
505321.98	3632775.90	0.28951	505421.98	3632775.90	0.29650
505521.98	3632775.90	0.30743	505621.98	3632775.90	0.31251
505721.98	3632775.90	0.30614	501721.98	3632875.90	0.36164
501821.98	3632875.90	0.37940	501921.98	3632875.90	0.39822
502021.98	3632875.90	0.41815	502121.98	3632875.90	0.43925
502221.98	3632875.90	0.46141	502321.98	3632875.90	0.48482
502421.98	3632875.90	0.50927	502521.98	3632875.90	0.53458
502621.98	3632875.90	0.56064	502721.98	3632875.90	0.58694
502821.98	3632875.90	0.51336	502921.98	3632875.90	0.40034
503021.98	3632875.90	0.29726	503121.98	3632875.90	0.36982
503221.98	3632875.90	0.51119	503321.98	3632875.90	0.53235
503421.98	3632875.90	0.52730	503621.98	3632875.90	0.48278
503721.98	3632875.90	0.45983	503821.98	3632875.90	0.40020
503921.98	3632875.90	0.34682	504021.98	3632875.90	0.34143
504121.98	3632875.90	0.33485	504221.98	3632875.90	0.31831
504321.98	3632875.90	0.31383	504421.98		

3632875.90 0.31097
  504521.98 3632875.90 0.30936 504621.98
3632875.90 0.30917
  504721.98 3632875.90 0.31138 504821.98
3632875.90 0.30878
  504921.98 3632875.90 0.31114 505021.98
3632875.90 0.31575
  505121.98 3632875.90 0.31618 505221.98
3632875.90 0.31687
  505321.98 3632875.90 0.32179 505421.98
3632875.90 0.33485
  505521.98 3632875.90 0.33788 505621.98
3632875.90 0.33971
  505721.98 3632875.90 0.33068 501721.98
3632975.90 0.37606
  501821.98 3632975.90 0.39549 501921.98
3632975.90 0.41618
  502021.98 3632975.90 0.43818 502121.98
3632975.90 0.46157
  505321.98 3632975.90 0.36724 505421.98
3632975.90 0.37240
  505521.98 3632975.90 0.37437 505621.98
3632975.90 0.36981
  505721.98 3632975.90 0.35855 501721.98
3633075.90 0.39073
  501821.98 3633075.90 0.41191 501921.98
3633075.90 0.43470
  502021.98 3633075.90 0.45901 502121.98
3633075.90 0.48505
  505321.98 3633075.90 0.40892 505421.98
3633075.90 0.41337
  505521.98 3633075.90 0.41325 505621.98
3633075.90 0.40472
  505721.98 3633075.90 0.38575 501721.98
3633175.90 0.40562
  501821.98 3633175.90 0.42875 501921.98
3633175.90 0.45366
  502021.98 3633175.90 0.48059 502121.98
3633175.90 0.50919
  505321.98 3633175.90 0.45221 505421.98
3633175.90 0.44987

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633175.90	0.44957	505621.98	3633175.90	0.44354
505721.98	3633175.90	0.41906	501721.98	3633275.90	0.42062
501821.98	3633275.90	0.44597	501921.98	3633275.90	0.47326
502021.98	3633275.90	0.50289	502121.98	3633275.90	0.53464
505321.98	3633275.90	0.50309	505421.98	3633275.90	0.48785
505521.98	3633275.90	0.48641	505621.98	3633275.90	0.48123
505721.98	3633275.90	0.45312	501721.98	3633375.90	0.43555
501821.98	3633375.90	0.46301	501921.98	3633375.90	0.49283
502021.98	3633375.90	0.52538	502121.98	3633375.90	0.56089
505321.98	3633375.90	0.56358	505421.98	3633375.90	0.53125
505521.98	3633375.90	0.51526	505621.98	3633375.90	0.51105
505721.98	3633375.90	0.49043	501721.98	3633475.90	0.45046
501821.98	3633475.90	0.48016	501921.98	3633475.90	0.51282
502021.98	3633475.90	0.54853	502121.98	3633475.90	0.58740
505321.98	3633475.90	0.61808	505421.98	3633475.90	0.57283
505521.98	3633475.90	0.55400	505621.98	3633475.90	0.53966
505721.98	3633475.90	0.52266	501721.98	3633575.90	0.46512
501821.98	3633575.90	0.49714	501921.98		

```
3633575.90        0.53235
         502021.98    3633575.90        0.57121                        502121.98
3633575.90        0.61463
         505321.98    3633575.90        0.66403                        505421.98
3633575.90        0.61132
         505521.98    3633575.90        0.58854                        505621.98
3633575.90        0.56439
         505721.98    3633575.90        0.52948                        501721.98
3633675.90        0.47951
         501821.98    3633675.90        0.51353                        501921.98
3633675.90        0.55164
         502021.98    3633675.90        0.59408                        502121.98
3633675.90        0.64130
         505321.98    3633675.90        0.70307                        505421.98
3633675.90        0.63044
         505521.98    3633675.90        0.58566                        505621.98
3633675.90        0.55054
         505721.98    3633675.90        0.52956                        501721.98
3633775.90        0.49336
         501821.98    3633775.90        0.52966                        501921.98
3633775.90        0.57031
         502021.98    3633775.90        0.61592                        502121.98
3633775.90        0.66710
         505321.98    3633775.90        0.71434                        505421.98
3633775.90        0.63412
         505521.98    3633775.90        0.58033                        505621.98
3633775.90        0.55950
         505721.98    3633775.90        0.55257                        501721.98
3633875.90        0.50623
         501821.98    3633875.90        0.54508                        501921.98
3633875.90        0.58746
         502021.98    3633875.90        0.63703                        502121.98
3633875.90        0.69216
         505321.98    3633875.90        0.71484                        505421.98
3633875.90        0.66673
         505521.98    3633875.90        0.62352                        505621.98
3633875.90        0.58704
         505721.98    3633875.90        0.57421                        501721.98
3633975.90        0.51817
         501821.98    3633975.90        0.55882                        501921.98
3633975.90        0.60467
         502021.98    3633975.90        0.65646                        502121.98
3633975.90        0.71602
         505321.98    3633975.90        0.75809                        505421.98
3633975.90        0.70399
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633975.90	0.64649	505621.98	3633975.90	0.59348
505721.98	3633975.90	0.55741	501721.98	3634075.90	0.52890
501821.98	3634075.90	0.57149	501921.98	3634075.90	0.61965
502021.98	3634075.90	0.67440	502121.98	3634075.90	0.73706
505321.98	3634075.90	0.75006	505421.98	3634075.90	0.67604
505521.98	3634075.90	0.62798	505621.98	3634075.90	0.57539
505721.98	3634075.90	0.50857	501721.98	3634175.90	0.53738
501821.98	3634175.90	0.58230	501921.98	3634175.90	0.63271
502021.98	3634175.90	0.68845	502121.98	3634175.90	0.75515
505321.98	3634175.90	0.72120	505421.98	3634175.90	0.66247
505521.98	3634175.90	0.61427	505621.98	3634175.90	0.53043
505721.98	3634175.90	0.46708	501721.98	3634275.90	0.54457
501821.98	3634275.90	0.58991	501921.98	3634275.90	0.64154
502021.98	3634275.90	0.70040	502121.98	3634275.90	0.76887
505321.98	3634275.90	0.75725	505421.98	3634275.90	0.70417
505521.98	3634275.90	0.57687	505621.98		

```
3634275.90        0.51716
         505721.98    3634275.90        0.46002                    501721.98
3634375.90        0.55127
         501821.98    3634375.90        0.59836                    501921.98
3634375.90        0.65053
         502021.98    3634375.90        0.71118                    502121.98
3634375.90        0.78310
         505321.98    3634375.90        0.78028                    505421.98
3634375.90        0.69944
         505521.98    3634375.90        0.54729                    505621.98
3634375.90        0.47683
         505721.98    3634375.90        0.43360                    501721.98
3634475.90        0.55599
         501821.98    3634475.90        0.60384                    501921.98
3634475.90        0.65822
         502021.98    3634475.90        0.72136                    502121.98
3634475.90        0.79348
         505321.98    3634475.90        0.74410                    505421.98
3634475.90        0.78226
         505521.98    3634475.90        0.61673                    505621.98
3634475.90        0.50405
         505721.98    3634475.90        0.42528                    501721.98
3634575.90        0.55850
         501821.98    3634575.90        0.60618                    501921.98
3634575.90        0.66088
         502021.98    3634575.90        0.72446                    502121.98
3634575.90        0.79840
         505321.98    3634575.90        0.73649                    505421.98
3634575.90        0.82802
         505521.98    3634575.90        0.72448                    505621.98
3634575.90        0.54822
         505721.98    3634575.90        0.45478                    501721.98
3634675.90        0.55932
         501821.98    3634675.90        0.60738                    501921.98
3634675.90        0.66197
         502021.98    3634675.90        0.72529                    502121.98
3634675.90        0.79691
         505321.98    3634675.90        0.76162                    505421.98
3634675.90        0.84530
         505521.98    3634675.90        0.83474                    505621.98
3634675.90        0.68048
         505721.98    3634675.90        0.52710                    501721.98
3634775.90        0.55758
         501821.98    3634775.90        0.60524                    501921.98
3634775.90        0.65886
         502021.98    3634775.90        0.72144                    502121.98
3634775.90        0.79338
         505321.98    3634775.90        0.78996                    505421.98
3634775.90        0.94233
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635075.90 0.74405
505321.98 3635075.90 0.89439 505421.98
3635075.90 0.85208
505521.98 3635075.90 0.78709 505621.98
3635075.90 0.73198
505721.98 3635075.90 0.67899 501721.98
3635175.90 0.63388
501821.98 3635175.90 0.66954 501921.98
3635175.90 0.74578
502021.98 3635175.90 0.78831 502121.98
3635175.90 0.81622
505321.98 3635175.90 0.86943 505421.98
3635175.90 0.80092
505521.98 3635175.90 0.74093 505621.98
3635175.90 0.68883
505721.98 3635175.90 0.64329 501721.98
3635275.90 0.62890
501821.98 3635275.90 0.66450 501921.98
3635275.90 0.70510
502021.98 3635275.90 0.74741 502121.98
3635275.90 0.77721
505621.98 3635275.90 0.65154 505721.98
3635275.90 0.60890
501721.98 3635375.90 0.58288 501821.98
3635375.90 0.61530
501921.98 3635375.90 0.64725 502021.98
3635375.90 0.68079
502121.98 3635375.90 0.72213 505621.98
3635375.90 0.61977
501721.98 3635475.90 0.52657 501821.98
3635475.90 0.55332
501921.98 3635475.90 0.59035 502021.98
3635475.90 0.62922
502121.98 3635475.90 0.66544 505621.98
3635475.90 0.59883
505721.98 3635475.90 0.56013 501721.98
3635575.90 0.47784
501821.98 3635575.90 0.50433 501921.98
3635575.90 0.54164
502021.98 3635575.90 0.57481 502121.98
3635575.90 0.60553
505321.98 3635575.90 0.70240 505421.98
3635575.90 0.65926
505521.98 3635575.90 0.61481 505621.98
3635575.90 0.57475
505721.98 3635575.90 0.53843 501721.98
3635675.90 0.43255
501821.98 3635675.90 0.46385 501921.98
3635675.90 0.49645
502021.98 3635675.90 0.52584 502121.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635975.90 0.33284
501821.98 3635975.90 0.36838 501921.98
3635975.90 0.39823
502021.98 3635975.90 0.41812 502121.98
3635975.90 0.44460
505321.98 3635975.90 0.59215 505421.98
3635975.90 0.55043
505521.98 3635975.90 0.51516 505621.98
3635975.90 0.48503
505721.98 3635975.90 0.45599 501721.98
3636075.90 0.31992
501821.98 3636075.90 0.34362 501921.98
3636075.90 0.36962
502021.98 3636075.90 0.38934 502121.98
3636075.90 0.41556
502221.98 3636075.90 0.44974 502321.98
3636075.90 0.49336
502421.98 3636075.90 0.53168 502521.98
3636075.90 0.56418
502621.98 3636075.90 0.59978 502721.98
3636075.90 0.64116
502821.98 3636075.90 0.67945 502921.98
3636075.90 0.70516
503021.98 3636075.90 0.72929 503121.98
3636075.90 0.73145
503221.98 3636075.90 0.78252 503321.98
3636075.90 0.84449
503421.98 3636075.90 0.89729 503521.98
3636075.90 0.94791
503621.98 3636075.90 0.97984 503721.98
3636075.90 0.99509
503821.98 3636075.90 1.00353 503921.98
3636075.90 1.01648
504021.98 3636075.90 1.03565 504121.98
3636075.90 1.04307
504221.98 3636075.90 1.04399 504321.98
3636075.90 1.03779
504421.98 3636075.90 0.99275 504521.98
3636075.90 0.93254
504621.98 3636075.90 0.89624 504721.98
3636075.90 0.86204
504821.98 3636075.90 0.79228 504921.98
3636075.90 0.72732
505021.98 3636075.90 0.68735 505121.98
3636075.90 0.64542
505221.98 3636075.90 0.60510 505321.98
3636075.90 0.56860
505421.98 3636075.90 0.52758 505521.98
3636075.90 0.49786
505621.98 3636075.90 0.46800 505721.98

3636075.90   0.44084
         501721.98   3636175.90   0.29714   501821.98
3636175.90   0.31962
         501921.98   3636175.90   0.34618   502021.98
3636175.90   0.36675
         502121.98   3636175.90   0.39250   502221.98
3636175.90   0.42686

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502321.98   3636175.90   0.46746   502421.98
3636175.90   0.50297
         502521.98   3636175.90   0.53300   502621.98
3636175.90   0.56704
         502721.98   3636175.90   0.59755   502821.98
3636175.90   0.62642
         502921.98   3636175.90   0.65007   503021.98
3636175.90   0.66394
         503121.98   3636175.90   0.63658   503221.98
3636175.90   0.70227
         503321.98   3636175.90   0.76753   503421.98
3636175.90   0.81488
         503521.98   3636175.90   0.85066   503621.98
3636175.90   0.88115
         503721.98   3636175.90   0.89231   503821.98
3636175.90   0.89354
         503921.98   3636175.90   0.89936   504021.98
3636175.90   0.90364
         504121.98   3636175.90   0.89528   504221.98

3636175.90 0.90237
504321.98 3636175.90 0.84947 504421.98
3636175.90 0.76981
504521.98 3636175.90 0.66049 504621.98
3636175.90 0.69742
504721.98 3636175.90 0.79192 504821.98
3636175.90 0.75601
504921.98 3636175.90 0.71984 505021.98
3636175.90 0.66640
505121.98 3636175.90 0.61319 505221.98
3636175.90 0.58016
505321.98 3636175.90 0.54967 505421.98
3636175.90 0.51663
505521.98 3636175.90 0.48183 505621.98
3636175.90 0.45332
505721.98 3636175.90 0.42729 501721.98
3636275.90 0.28297
501821.98 3636275.90 0.30246 501921.98
3636275.90 0.32666
502021.98 3636275.90 0.35213 502121.98
3636275.90 0.38249
502221.98 3636275.90 0.41462 502321.98
3636275.90 0.44594
502421.98 3636275.90 0.47617 502521.98
3636275.90 0.50626
502621.98 3636275.90 0.53090 502721.98
3636275.90 0.55568
502821.98 3636275.90 0.57705 502921.98
3636275.90 0.59479
503021.98 3636275.90 0.61646 503121.98
3636275.90 0.61619
503221.98 3636275.90 0.62288 503321.98
3636275.90 0.66854
503421.98 3636275.90 0.72252 503521.98
3636275.90 0.75896
503621.98 3636275.90 0.78472 503721.98
3636275.90 0.79614
503821.98 3636275.90 0.79612 503921.98
3636275.90 0.79750
504021.98 3636275.90 0.78602 504121.98
3636275.90 0.75481
504221.98 3636275.90 0.68725 504321.98
3636275.90 0.57155
504421.98 3636275.90 0.54837 504521.98
3636275.90 0.52085
504621.98 3636275.90 0.54984 504721.98
3636275.90 0.60971
504821.98 3636275.90 0.55043 504921.98
3636275.90 0.64313
505021.98 3636275.90 0.63271 505121.98

3636275.90   0.58274
         505221.98   3636275.90   0.55392   505321.98
3636275.90   0.52977
         505421.98   3636275.90   0.50145   505521.98
3636275.90   0.46850
         505621.98   3636275.90   0.44100   505721.98
3636275.90   0.41624
         501721.98   3636375.90   0.26892   501821.98
3636375.90   0.28905
         501921.98   3636375.90   0.31554   502021.98
3636375.90   0.33877

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502121.98   3636375.90   0.36683   502221.98
3636375.90   0.39303
         502321.98   3636375.90   0.41859   502421.98
3636375.90   0.45027
         502521.98   3636375.90   0.47783   502621.98
3636375.90   0.50296
         502721.98   3636375.90   0.51652   502821.98
3636375.90   0.52745
         502921.98   3636375.90   0.53848   503021.98
3636375.90   0.54935
         503121.98   3636375.90   0.54762   503221.98
3636375.90   0.54614
         503321.98   3636375.90   0.58041   503421.98
3636375.90   0.64475
         503521.98   3636375.90   0.67321   503621.98

3636375.90 0.69301
503721.98 3636375.90 0.70851 503821.98
3636375.90 0.71194
503921.98 3636375.90 0.69083 504021.98
3636375.90 0.67542
504121.98 3636375.90 0.62902 504221.98
3636375.90 0.55487
504321.98 3636375.90 0.50325 504421.98
3636375.90 0.48318
504521.98 3636375.90 0.47195 504621.98
3636375.90 0.48237
504721.98 3636375.90 0.50345 504821.98
3636375.90 0.46046
504921.98 3636375.90 0.45388 505021.98
3636375.90 0.56953
505121.98 3636375.90 0.56583 505221.98
3636375.90 0.53645
505321.98 3636375.90 0.51024 505421.98
3636375.90 0.48271
505521.98 3636375.90 0.45647 505621.98
3636375.90 0.43031
505721.98 3636375.90 0.40614 501721.98
3636475.90 0.25068
501821.98 3636475.90 0.27151 501921.98
3636475.90 0.30264
502021.98 3636475.90 0.32185 502121.98
3636475.90 0.34383
502221.98 3636475.90 0.37017 502321.98
3636475.90 0.39974
502421.98 3636475.90 0.42935 502521.98
3636475.90 0.45138
502621.98 3636475.90 0.47012 502721.98
3636475.90 0.48077
502821.98 3636475.90 0.47979 502921.98
3636475.90 0.48838
503021.98 3636475.90 0.48966 503121.98
3636475.90 0.48240
503221.98 3636475.90 0.48216 503321.98
3636475.90 0.52023
503421.98 3636475.90 0.56283 503521.98
3636475.90 0.59399
503621.98 3636475.90 0.61285 503721.98
3636475.90 0.63057
503821.98 3636475.90 0.61661 503921.98
3636475.90 0.59843
504021.98 3636475.90 0.50044 504121.98
3636475.90 0.51012
504221.98 3636475.90 0.50677 504321.98
3636475.90 0.45435
504421.98 3636475.90 0.44027 504521.98

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633475.90	1.03025	502771.98	3633475.90	1.07762
502821.98	3633475.90	1.12739	502871.98	3633475.90	1.17974
502921.98	3633475.90	1.23411	502971.98	3633475.90	1.29154
503021.98	3633475.90	1.35154	503071.98	3633475.90	1.41330
503121.98	3633475.90	1.47761	503171.98	3633475.90	1.54347
503221.98	3633475.90	1.60790	503271.98	3633475.90	1.67326
503321.98	3633475.90	1.43283	503371.98		

3633475.90 1.05231
503421.98 3633475.90 1.07002 503471.98 3633475.90 1.10304
503521.98 3633475.90 1.16741 503621.98 3633475.90 1.18776
503671.98 3633475.90 1.05018 503721.98 3633475.90 0.96154
503771.98 3633475.90 0.97674 503821.98 3633475.90 0.93538
503871.98 3633475.90 0.94269 503921.98 3633475.90 1.02030
503971.98 3633475.90 1.02972 504021.98 3633475.90 0.98495
504071.98 3633475.90 0.99919 504121.98 3633475.90 1.03872
504171.98 3633475.90 0.99401 504221.98 3633475.90 1.01213
504271.98 3633475.90 1.04790 504321.98 3633475.90 1.05144
504371.98 3633475.90 0.96424 504421.98 3633475.90 0.91092
504471.98 3633475.90 0.88288 504521.98 3633475.90 0.87192
504571.98 3633475.90 0.88346 504621.98 3633475.90 0.90640
504671.98 3633475.90 0.92090 504721.98 3633475.90 0.94451
502721.98 3633525.90 1.07019 502771.98 3633525.90 1.12168
502821.98 3633525.90 1.17628 502871.98 3633525.90 1.23439
502921.98 3633525.90 1.29516 502971.98 3633525.90 1.35908
503021.98 3633525.90 1.42608 503071.98 3633525.90 1.49611
503121.98 3633525.90 1.56856 503171.98 3633525.90 1.64353
503221.98 3633525.90 1.71999 503271.98 3633525.90 1.79419
503321.98 3633525.90 1.86989 503371.98 3633525.90 1.43568
503421.98 3633525.90 1.39118 503471.98 3633525.90 1.39702
503521.98 3633525.90 1.36901 503621.98 3633525.90 1.48707
503671.98 3633525.90 1.37944 503721.98 3633525.90 1.36934
503771.98 3633525.90 1.22859 503821.98 3633525.90 1.10942
503871.98 3633525.90 1.15720 503921.98

3633525.90   1.25208
         503971.98   3633525.90   1.21120   504021.98
3633525.90   1.13910
         504071.98   3633525.90   1.16146   504121.98
3633525.90   1.22079
         504171.98   3633525.90   1.21822   504221.98
3633525.90   1.22662
         504271.98   3633525.90   1.19225   504321.98
3633525.90   1.04893
         504371.98   3633525.90   1.00556   504421.98
3633525.90   0.97450
         504471.98   3633525.90   0.95805   504521.98
3633525.90   0.97182
         504571.98   3633525.90   1.00282   504621.98
3633525.90   1.03066
         504671.98   3633525.90   1.03348   504721.98
3633525.90   1.02280

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3633575.90 1.75210
503221.98 3633575.90 1.84095 503271.98
3633575.90 1.93017
503321.98 3633575.90 2.01746 503371.98
3633575.90 1.82011
503421.98 3633575.90 1.80260 503471.98
3633575.90 1.75944
503521.98 3633575.90 1.86190 503621.98
3633575.90 1.64128
503671.98 3633575.90 1.66275 503721.98
3633575.90 1.69350
503771.98 3633575.90 1.53538 503821.98
3633575.90 1.43107
503871.98 3633575.90 1.52316 503921.98
3633575.90 1.53790
503971.98 3633575.90 1.44916 504021.98
3633575.90 1.42884
504071.98 3633575.90 1.39121 504121.98
3633575.90 1.43511
504171.98 3633575.90 1.44173 504221.98
3633575.90 1.46556
504271.98 3633575.90 1.28414 504321.98
3633575.90 1.13849
504371.98 3633575.90 1.09911 504421.98
3633575.90 1.06031
504471.98 3633575.90 1.05829 504521.98
3633575.90 1.09984
504571.98 3633575.90 1.15225 504621.98
3633575.90 1.13983
504671.98 3633575.90 1.12143 504721.98
3633575.90 1.10215
502721.98 3633625.90 1.15348 502771.98
3633625.90 1.21447
502821.98 3633625.90 1.27962 502871.98
3633625.90 1.34952
502921.98 3633625.90 1.42405 502971.98
3633625.90 1.50398
503021.98 3633625.90 1.58895 503071.98
3633625.90 1.67761
503121.98 3633625.90 1.77111 503171.98
3633625.90 1.87011
503221.98 3633625.90 1.97309 503271.98
3633625.90 2.07808
503321.98 3633625.90 2.18271 503371.98
3633625.90 2.28662
503421.98 3633625.90 2.07083 503471.98
3633625.90 2.04894
503521.98 3633625.90 2.10248 503621.98
3633625.90 1.94009
503671.98 3633625.90 1.84939 503721.98

```
3633625.90        1.93683
         503771.98    3633625.90        1.73206                      503821.98
3633625.90        1.71632
         503871.98    3633625.90        1.78153                      503921.98
3633625.90        1.74356
         503971.98    3633625.90        1.72889                      504021.98
3633625.90        1.66096
         504071.98    3633625.90        1.61209                      504121.98
3633625.90        1.68642
         504171.98    3633625.90        1.69616                      504221.98
3633625.90        1.65504
         504271.98    3633625.90        1.48585                      504321.98
3633625.90        1.35297
         504371.98    3633625.90        1.24942                      504421.98
3633625.90        1.19907
         504471.98    3633625.90        1.19329                      504521.98
3633625.90        1.27151
         504571.98    3633625.90        1.28549                      504621.98
3633625.90        1.25772
         504671.98    3633625.90        1.25331                      504721.98
3633625.90        1.20745
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 217
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS    ***
                                  INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                 L0000924    , L0000925    , L0000926    , L0000927    ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502721.98    3633675.90        1.19663                      502771.98
3633675.90        1.26281
         502821.98    3633675.90        1.33383                      502871.98
3633675.90        1.41041
         502921.98    3633675.90        1.49360                      502971.98
```

3633675.90 1.58222
503021.98 3633675.90 1.67704 503071.98
3633675.90 1.77721
503121.98 3633675.90 1.88427 503171.98
3633675.90 1.99785
503221.98 3633675.90 2.11760 503271.98
3633675.90 2.24193
503321.98 3633675.90 2.36774 503371.98
3633675.90 2.49571
503421.98 3633675.90 2.62152 503471.98
3633675.90 2.74021
503521.98 3633675.90 2.57669 503571.98
3633675.90 2.15786
503671.98 3633675.90 2.11387 503721.98
3633675.90 2.16722
503771.98 3633675.90 2.14947 503821.98
3633675.90 2.08827
503871.98 3633675.90 2.04428 503921.98
3633675.90 2.04427
503971.98 3633675.90 1.99557 504021.98
3633675.90 1.93769
504071.98 3633675.90 1.93240 504121.98
3633675.90 1.96806
504171.98 3633675.90 1.98591 504221.98
3633675.90 1.95606
504271.98 3633675.90 1.79434 504321.98
3633675.90 1.58153
504371.98 3633675.90 1.43252 504421.98
3633675.90 1.38033
504471.98 3633675.90 1.42138 504521.98
3633675.90 1.46142
504571.98 3633675.90 1.43057 504621.98
3633675.90 1.40089
504671.98 3633675.90 1.36601 504721.98
3633675.90 1.33021
502721.98 3633725.90 1.24030 502771.98
3633725.90 1.31235
502821.98 3633725.90 1.38964 502871.98
3633725.90 1.47408
502921.98 3633725.90 1.56655 502971.98
3633725.90 1.66467
503021.98 3633725.90 1.76895 503071.98
3633725.90 1.88345
503121.98 3633725.90 2.00552 503171.98
3633725.90 2.13611
503221.98 3633725.90 2.27546 503271.98
3633725.90 2.42163
503321.98 3633725.90 2.57402 503371.98
3633725.90 2.72958
503421.98 3633725.90 2.88575 503471.98

3633725.90   3.03269
         503521.98   3633725.90   3.17572   503571.98
3633725.90   2.94787
         503721.98   3633725.90   2.65984   503771.98
3633725.90   2.51825
         503821.98   3633725.90   2.50210   503871.98
3633725.90   2.41864
         503921.98   3633725.90   2.39032   503971.98
3633725.90   2.28513
         504021.98   3633725.90   2.24177   504071.98
3633725.90   2.24269
         504121.98   3633725.90   2.33847   504171.98
3633725.90   2.31183
         504221.98   3633725.90   2.24957   504271.98
3633725.90   2.23573
         504321.98   3633725.90   1.89669   504371.98
3633725.90   1.70209
         504421.98   3633725.90   1.64897   504471.98
3633725.90   1.67236
         504521.98   3633725.90   1.65068   504571.98
3633725.90   1.59655
         504621.98   3633725.90   1.60735   504671.98
3633725.90   1.54067
         504721.98   3633725.90   1.45649   502721.98
3633775.90   1.28387

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502771.98   3633775.90   1.36203   502821.98

3633775.90 1.44669
502871.98 3633775.90 1.53883 502921.98 3633775.90 1.64041
502971.98 3633775.90 1.75026 503021.98 3633775.90 1.86821
503071.98 3633775.90 1.99631 503121.98 3633775.90 2.13516
503171.98 3633775.90 2.28546 503221.98 3633775.90 2.44696
503271.98 3633775.90 2.61985 503321.98 3633775.90 2.80185
503371.98 3633775.90 2.99093 503421.98 3633775.90 3.18411
503471.98 3633775.90 3.37614 503771.98 3633775.90 2.98486
503821.98 3633775.90 2.94247 503871.98 3633775.90 2.91724
503921.98 3633775.90 2.76139 503971.98 3633775.90 2.64287
504021.98 3633775.90 2.61964 504071.98 3633775.90 2.85666
504121.98 3633775.90 2.80684 504171.98 3633775.90 2.78937
504221.98 3633775.90 2.70561 504271.98 3633775.90 2.57484
504321.98 3633775.90 2.26401 504371.98 3633775.90 2.08898
504421.98 3633775.90 2.01967 504471.98 3633775.90 1.90953
504521.98 3633775.90 1.94833 504571.98 3633775.90 1.98986
504621.98 3633775.90 1.87735 504671.98 3633775.90 1.74391
504721.98 3633775.90 1.62560 502721.98 3633825.90 1.32762
502771.98 3633825.90 1.41183 502821.98 3633825.90 1.50411
502871.98 3633825.90 1.60488 502921.98 3633825.90 1.71688
502971.98 3633825.90 1.83818 503021.98 3633825.90 1.97024
503071.98 3633825.90 2.11504 503121.98 3633825.90 2.27344
503171.98 3633825.90 2.44689 503221.98 3633825.90 2.63541
503271.98 3633825.90 2.83944 503771.98 3633825.90 3.75241
503821.98 3633825.90 3.73123 503871.98 3633825.90 3.50991
503921.98 3633825.90 3.23600 503971.98

3633825.90   3.16105
         504021.98   3633825.90   3.45562   504071.98
3633825.90   3.36766
         504121.98   3633825.90   3.34314   504171.98
3633825.90   3.38029
         504221.98   3633825.90   3.26661   504271.98
3633825.90   3.15117
         504321.98   3633825.90   2.99798   504371.98
3633825.90   2.78590
         504421.98   3633825.90   2.54346   504471.98
3633825.90   2.40252
         504521.98   3633825.90   2.34149   504571.98
3633825.90   2.32028
         504621.98   3633825.90   2.11805   504671.98
3633825.90   1.93966
         504721.98   3633825.90   1.83242   502721.98
3633875.90   1.37037
         502771.98   3633875.90   1.46121   502821.98
3633875.90   1.56092
         502871.98   3633875.90   1.67050   502921.98
3633875.90   1.79418
         502971.98   3633875.90   1.92790   503021.98
3633875.90   2.07574
         503071.98   3633875.90   2.23965   503121.98
3633875.90   2.41929
         503171.98   3633875.90   2.61876   503221.98
3633875.90   2.83865
         503271.98   3633875.90   3.07982   503821.98
3633875.90   4.47674

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)

Y-COORD (M) CONC

- - - -

3633925.90   2.20378
         504721.98   3633925.90   1.99972   502721.98
3633975.90   1.45235
         502771.98   3633975.90   1.55516   502821.98
3633975.90   1.66961
         502871.98   3633975.90   1.80015   502921.98
3633975.90   1.94537
         502971.98   3633975.90   2.10593   503021.98
3633975.90   2.28817
         503071.98   3633975.90   2.49361   503121.98
3633975.90   2.72591
         503171.98   3633975.90   2.98832   503221.98
3633975.90   3.28543
         503271.98   3633975.90   3.62203   503821.98
3633975.90   7.10114
         503871.98   3633975.90   6.97158   503921.98
3633975.90   7.74549
         503971.98   3633975.90   6.95668   504021.98
3633975.90   6.50363
         504071.98   3633975.90   6.18709   504121.98
3633975.90   6.05502
         504171.98   3633975.90   5.86173   504221.98
3633975.90   5.53864
         504271.98   3633975.90   5.22455   504321.98
3633975.90   4.94080
         504371.98   3633975.90   4.46689   504421.98
3633975.90   4.11843
         504471.98   3633975.90   3.55984   504521.98
3633975.90   3.02323
         504571.98   3633975.90   2.71039   504621.98
3633975.90   2.42646
         504671.98   3633975.90   2.15399   504721.98
3633975.90   1.89306

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3634025.90	1.49248	502771.98	3634025.90	1.60247
502821.98	3634025.90	1.72401	502871.98	3634025.90	1.86142
502921.98	3634025.90	2.01611	502971.98	3634025.90	2.19221
503021.98	3634025.90	2.39356	503071.98	3634025.90	2.62004
503121.98	3634025.90	2.88062	503171.98	3634025.90	3.18000
503221.98	3634025.90	3.52376	503271.98	3634025.90	3.91943
503871.98	3634025.90	9.89401	503921.98	3634025.90	9.51987
503971.98	3634025.90	8.52187	504021.98	3634025.90	8.11812
504071.98	3634025.90	7.71023	504121.98	3634025.90	7.39943
504171.98	3634025.90	6.98373	504221.98	3634025.90	6.57087
504271.98	3634025.90	6.05641	504321.98	3634025.90	5.56595
504371.98	3634025.90	4.92496	504421.98	3634025.90	4.06229
504471.98	3634025.90	3.48123	504521.98	3634025.90	3.06958
504571.98	3634025.90	2.68591	504621.98	3634025.90	2.30528
504671.98	3634025.90	2.04262	504721.98	3634025.90	1.83599
502721.98	3634075.90	1.52905	502771.98	3634075.90	1.64238
502821.98	3634075.90	1.77173	502871.98	3634075.90	1.91941
502921.98	3634075.90	2.08551	502971.98	3634075.90	2.27458
503021.98	3634075.90	2.49350	503071.98	3634075.90	2.74386
503121.98	3634075.90	3.03338	503171.98	3634075.90	3.37089
503221.98	3634075.90	3.76444	503271.98	3634075.90	4.22717
503871.98	3634075.90	12.67316	503921.98		

3634075.90   12.00763
         503971.98   3634075.90   11.15896   504021.98
3634075.90   10.14376
         504071.98   3634075.90   9.57730   504121.98
3634075.90   9.04707
         504171.98   3634075.90   8.43004   504221.98
3634075.90   7.72674
         504271.98   3634075.90   6.98743   504321.98
3634075.90   6.08640
         504371.98   3634075.90   4.99036   504421.98
3634075.90   4.17444
         504471.98   3634075.90   3.49344   504521.98
3634075.90   2.92692
         504571.98   3634075.90   2.50603   504621.98
3634075.90   2.14768
         504671.98   3634075.90   1.94947   504721.98
3634075.90   1.79782
         502721.98   3634125.90   1.56220   502771.98
3634125.90   1.68003
         502821.98   3634125.90   1.81642   502871.98
3634125.90   1.97298
         502921.98   3634125.90   2.14876   502971.98
3634125.90   2.35133
         503021.98   3634125.90   2.58741   503071.98
3634125.90   2.85971
         503121.98   3634125.90   3.17910   503171.98
3634125.90   3.55620
         503221.98   3634125.90   3.99893   503271.98
3634125.90   4.53554
         503921.98   3634125.90   15.66416   503971.98
3634125.90   14.29047
         504021.98   3634125.90   12.95395   504071.98
3634125.90   11.98820
         504121.98   3634125.90   10.84666   504171.98
3634125.90   9.96510
         504221.98   3634125.90   8.85344   504271.98
3634125.90   7.70824

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3634125.90	6.49373	504371.98	3634125.90	5.32708
504421.98	3634125.90	4.26828	504471.98	3634125.90	3.30025
504521.98	3634125.90	2.81141	504571.98	3634125.90	2.38848
504621.98	3634125.90	2.07065	504671.98	3634125.90	1.87643
504721.98	3634125.90	1.67959	502721.98	3634175.90	1.58794
502771.98	3634175.90	1.71340	502821.98	3634175.90	1.85691
502871.98	3634175.90	2.02085	502921.98	3634175.90	2.20602
502971.98	3634175.90	2.42080	503021.98	3634175.90	2.67315
503071.98	3634175.90	2.96551	503121.98	3634175.90	3.31176
503171.98	3634175.90	3.72322	503221.98	3634175.90	4.21469
503271.98	3634175.90	4.82124	503971.98	3634175.90	18.90209
504021.98	3634175.90	16.65121	504071.98	3634175.90	14.44570
504121.98	3634175.90	12.35752	504171.98	3634175.90	10.57756
504221.98	3634175.90	9.65720	504271.98	3634175.90	8.26382
504321.98	3634175.90	6.98986	504371.98	3634175.90	4.98801
504421.98	3634175.90	3.55194	504471.98	3634175.90	3.05353
504521.98	3634175.90	2.62099	504571.98	3634175.90	2.14963
504621.98	3634175.90	1.83563	504671.98	3634175.90	1.62517
504721.98	3634175.90	1.42535	502721.98	3634225.90	1.61182
502771.98	3634225.90	1.74336	502821.98		

3634225.90   1.89298
         502871.98   3634225.90   2.06290   502921.98
3634225.90   2.25580
         502971.98   3634225.90   2.48120   503021.98
3634225.90   2.74738
         503071.98   3634225.90   3.05846   503121.98
3634225.90   3.42907
         503171.98   3634225.90   3.87376   503221.98
3634225.90   4.41675
         503271.98   3634225.90   5.09319   504071.98
3634225.90   17.39673
         504121.98   3634225.90   14.11576   504171.98
3634225.90   11.53754
         504221.98   3634225.90   9.57148   504271.98
3634225.90   8.42386
         504321.98   3634225.90   6.99817   504371.98
3634225.90   4.60822
         504421.98   3634225.90   3.24964   504471.98
3634225.90   2.78728
         504521.98   3634225.90   2.38231   504571.98
3634225.90   1.98043
         504621.98   3634225.90   1.68491   504671.98
3634225.90   1.47268
         504721.98   3634225.90   1.30986   502721.98
3634275.90   1.63232
         502771.98   3634275.90   1.76588   502821.98
3634275.90   1.92013
         502871.98   3634275.90   2.09894   502921.98
3634275.90   2.29754
         502971.98   3634275.90   2.52967   503021.98
3634275.90   2.80871
         503071.98   3634275.90   3.13514   503121.98
3634275.90   3.52603
         503171.98   3634275.90   4.00208   503221.98
3634275.90   4.58783
         503271.98   3634275.90   5.32892   504121.98
3634275.90   15.18130
         504171.98   3634275.90   12.02723   504221.98
3634275.90   9.94107
         504271.98   3634275.90   8.15608   504321.98
3634275.90   6.55185

VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504371.98	3634275.90	4.68625	504421.98	3634275.90	3.34766
504471.98	3634275.90	2.67570	504521.98	3634275.90	2.21429
504571.98	3634275.90	1.86012	504621.98	3634275.90	1.61797
504671.98	3634275.90	1.42567	504721.98	3634275.90	1.28923
502721.98	3634325.90	1.63724	502771.98	3634325.90	1.77484
502821.98	3634325.90	1.93006	502871.98	3634325.90	2.12563
502971.98	3634325.90	2.56685	503021.98	3634325.90	2.85309
503071.98	3634325.90	3.19268	503121.98	3634325.90	3.59918
503171.98	3634325.90	4.09727	503221.98	3634325.90	4.71625
503271.98	3634325.90	5.50413	504171.98	3634325.90	11.92466
504221.98	3634325.90	9.34482	504271.98	3634325.90	7.82185
504321.98	3634325.90	6.42030	504371.98	3634325.90	4.99517
504421.98	3634325.90	3.49986	504471.98	3634325.90	2.72909
504521.98	3634325.90	2.18899	504571.98	3634325.90	1.81595
504621.98	3634325.90	1.56416	504671.98	3634325.90	1.38817
504721.98	3634325.90	1.26779	502721.98	3634375.90	1.64168
502771.98	3634375.90	1.78156	502821.98	3634375.90	1.93721
503021.98	3634375.90	2.87315	503071.98		

```
3634375.90        3.22526
         503121.98    3634375.90        3.64099                     503171.98
3634375.90        4.14841
         503221.98    3634375.90        4.78670                     503271.98
3634375.90        5.60001
         504221.98    3634375.90        9.35382                     504271.98
3634375.90        7.71168
         504321.98    3634375.90        6.51493                     504371.98
3634375.90        4.86945
         504421.98    3634375.90        3.19330                     504471.98
3634375.90        2.47804
         504521.98    3634375.90        2.07632                     504571.98
3634375.90        1.79466
         504621.98    3634375.90        1.58722                     504671.98
3634375.90        1.42536
         504721.98    3634375.90        1.29774                     502721.98
3634425.90        1.64982
         502771.98    3634425.90        1.78682                     502821.98
3634425.90        1.94286
         504271.98    3634425.90        7.53339                     504321.98
3634425.90        6.41624
         504371.98    3634425.90        5.18414                     504421.98
3634425.90        3.56645
         504471.98    3634425.90        2.66486                     504521.98
3634425.90        2.21518
         504571.98    3634425.90        1.96213                     504621.98
3634425.90        1.76240
         504671.98    3634425.90        1.56938                     504721.98
3634425.90        1.39968
         502721.98    3634475.90        1.65675                     502771.98
3634475.90        1.79735
         502821.98    3634475.90        1.95546                     504321.98
3634475.90        6.16439
         504371.98    3634475.90        5.35351                     504421.98
3634475.90        4.52904
         504471.98    3634475.90        3.34439                     504521.98
3634475.90        2.68539
         504571.98    3634475.90        2.34102                     504621.98
3634475.90        2.08380
         504671.98    3634475.90        1.76605                     504721.98
3634475.90        1.52181
         502721.98    3634525.90        1.65251                     502771.98
3634525.90        1.78787
         504371.98    3634525.90        5.10253                     504421.98
3634525.90        4.45481
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504471.98	3634525.90	4.00770	504521.98	3634525.90	3.50402
504571.98	3634525.90	3.04476	504621.98	3634525.90	2.57623
504671.98	3634525.90	2.03758	504721.98	3634525.90	1.69150
502721.98	3634575.90	1.63749	502771.98	3634575.90	1.77060
504421.98	3634575.90	4.29137	504471.98	3634575.90	3.79689
504521.98	3634575.90	3.38739	504571.98	3634575.90	3.12373
504621.98	3634575.90	2.78902	504671.98	3634575.90	2.36324
504721.98	3634575.90	1.97611	502721.98	3634625.90	1.61581
502771.98	3634625.90	1.74360	502821.98	3634625.90	1.89005
502871.98	3634625.90	2.05436	502921.98	3634625.90	2.24148
502971.98	3634625.90	2.45745	503021.98	3634625.90	2.70767
503071.98	3634625.90	2.99935	503121.98	3634625.90	3.34110
504471.98	3634625.90	3.64067	504521.98	3634625.90	3.26401
504571.98	3634625.90	2.94464	504621.98	3634625.90	2.71928
504671.98	3634625.90	2.49477	504721.98	3634625.90	2.25359
502721.98	3634675.90	1.58793	502771.98		

```
3634675.90        1.71061
         502821.98    3634675.90        1.84944                    502871.98
3634675.90        2.00514
         502921.98    3634675.90        2.18157                    502971.98
3634675.90        2.38416
         503021.98    3634675.90        2.61503                    503071.98
3634675.90        2.88219
         503121.98    3634675.90        3.19667                    503171.98
3634675.90        3.56204
         503221.98    3634675.90        3.99480                    503271.98
3634675.90        4.50246
         503321.98    3634675.90        5.11891                    503371.98
3634675.90        5.86478
         503421.98    3634675.90        6.76446                    503471.98
3634675.90        7.83385
         503521.98    3634675.90        9.05914                    504521.98
3634675.90        3.12638
         504571.98    3634675.90        2.83500                    504621.98
3634675.90        2.57867
         504671.98    3634675.90        2.35931                    504721.98
3634675.90        2.20236
         502721.98    3634725.90        1.55419                    502771.98
3634725.90        1.67042
         502821.98    3634725.90        1.80059                    502871.98
3634725.90        1.94759
         502921.98    3634725.90        2.11242                    502971.98
3634725.90        2.29944
         503021.98    3634725.90        2.51260                    503071.98
3634725.90        2.75605
         503121.98    3634725.90        3.03964                    503171.98
3634725.90        3.36655
         503221.98    3634725.90        3.74866                    503271.98
3634725.90        4.19181
         503321.98    3634725.90        4.71804                    503371.98
3634725.90        5.33531
         503421.98    3634725.90        6.04950                    503471.98
3634725.90        6.85131
         503521.98    3634725.90        7.75244                    503571.98
3634725.90        8.72520
         503621.98    3634725.90        9.63001                    504571.98
3634725.90        2.71170
         504621.98    3634725.90        2.47824                    504671.98
3634725.90        2.27603
         504721.98    3634725.90        2.09722                    502721.98
3634775.90        1.51593
         502771.98    3634775.90        1.62498                    502821.98
3634775.90        1.74740
         502871.98    3634775.90        1.88405                    502921.98
3634775.90        2.03695
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920 , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3634825.90 2.29484
503071.98 3634825.90 2.49554 503121.98
3634825.90 2.72321
503171.98 3634825.90 2.97899 503221.98
3634825.90 3.26942
503271.98 3634825.90 3.59719 503321.98
3634825.90 3.96567
503371.98 3634825.90 4.37165 503421.98
3634825.90 4.80828
503471.98 3634825.90 5.27043 503521.98
3634825.90 5.74641
503571.98 3634825.90 6.21816 503621.98
3634825.90 6.65141
503671.98 3634825.90 7.02443 503721.98
3634825.90 7.30529
503771.98 3634825.90 7.46711 503821.98
3634825.90 7.49181
503871.98 3634825.90 7.38489 503921.98
3634825.90 7.16166
504671.98 3634825.90 2.09570 504721.98
3634825.90 1.94388
502721.98 3634875.90 1.42998 502771.98
3634875.90 1.52627
502821.98 3634875.90 1.63231 502871.98
3634875.90 1.74914
502921.98 3634875.90 1.87978 502971.98
3634875.90 2.02482
503021.98 3634875.90 2.18674 503071.98
3634875.90 2.36810
503121.98 3634875.90 2.57082 503171.98
3634875.90 2.79475
503221.98 3634875.90 3.04677 503271.98
3634875.90 3.32568
503321.98 3634875.90 3.62697 503371.98
3634875.90 3.95331
503421.98 3634875.90 4.29626 503471.98
3634875.90 4.64578
503521.98 3634875.90 4.99815 503571.98
3634875.90 5.33657
503621.98 3634875.90 5.64776 503671.98
3634875.90 5.90806
503721.98 3634875.90 6.09555 503771.98
3634875.90 6.20204
503821.98 3634875.90 6.21595 503871.98
3634875.90 6.14410
503921.98 3634875.90 6.23348 504721.98
3634875.90 1.86548
502721.98 3634925.90 1.38500 502771.98
3634925.90 1.47451
502821.98 3634925.90 1.57327 502871.98

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3634975.90 1.84593
503021.98 3634975.90 1.97890 503071.98
3634975.90 2.12429
503121.98 3634975.90 2.28218 503171.98
3634975.90 2.45131
503221.98 3634975.90 2.63490 503271.98
3634975.90 2.83231
503321.98 3634975.90 3.03834 503371.98
3634975.90 3.25008
503421.98 3634975.90 3.46014 503471.98
3634975.90 3.67160
503521.98 3634975.90 3.87365 503571.98
3634975.90 4.06494
503621.98 3634975.90 4.23603 503671.98
3634975.90 4.37479
503721.98 3634975.90 4.40986 503771.98
3634975.90 4.59082
503821.98 3634975.90 4.66951 503871.98
3634975.90 4.71143
502721.98 3635025.90 1.29510 502771.98
3635025.90 1.37323
502821.98 3635025.90 1.45811 502871.98
3635025.90 1.55064
502921.98 3635025.90 1.65147 502971.98
3635025.90 1.76115
503021.98 3635025.90 1.88015 503071.98
3635025.90 2.00857
503121.98 3635025.90 2.14678 503171.98
3635025.90 2.29484
503221.98 3635025.90 2.45146 503271.98
3635025.90 2.61531
503321.98 3635025.90 2.78411 503371.98
3635025.90 2.95474
503421.98 3635025.90 3.12328 503471.98
3635025.90 3.28987
503521.98 3635025.90 3.44867 503571.98
3635025.90 3.59558
503621.98 3635025.90 3.72439 503671.98
3635025.90 3.82519
503721.98 3635025.90 3.92210 503771.98
3635025.90 4.02920
503821.98 3635025.90 4.12445 504371.98
3635025.90 2.55937
502721.98 3635075.90 1.25136 502771.98
3635075.90 1.32373
502821.98 3635075.90 1.40217 502871.98
3635075.90 1.48737
502921.98 3635075.90 1.57916 502971.98
3635075.90 1.67797
503021.98 3635075.90 1.78440 503071.98

3635075.90   1.89781
         503121.98   3635075.90   2.01856   503171.98
3635075.90   2.14622
         503221.98   3635075.90   2.27914   503271.98
3635075.90   2.41619
         503321.98   3635075.90   2.55527   503371.98
3635075.90   2.69443

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                              INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         503421.98   3635075.90   2.83163   503471.98
3635075.90   2.96459
         503521.98   3635075.90   3.09048   503571.98
3635075.90   3.20574
         503621.98   3635075.90   3.30557   503671.98
3635075.90   3.38107
         503721.98   3635075.90   3.43486   503771.98
3635075.90   3.55251
         503821.98   3635075.90   3.61170   504371.98
3635075.90   2.37053
         504421.98   3635075.90   2.23636   504471.98
3635075.90   2.10683
         504521.98   3635075.90   1.98651   502721.98
3635125.90   1.20822
         502771.98   3635125.90   1.27529   502821.98
3635125.90   1.34748
         502871.98   3635125.90   1.42532   502921.98
3635125.90   1.50892
         502971.98   3635125.90   1.59786   503021.98

3635125.90 1.69242
503071.98 3635125.90 1.79222 503121.98
3635125.90 1.89736
503171.98 3635125.90 2.00704 503221.98
3635125.90 2.11947
503271.98 3635125.90 2.23470 503321.98
3635125.90 2.34973
503371.98 3635125.90 2.46398 503421.98
3635125.90 2.57659
503471.98 3635125.90 2.68391 503521.98
3635125.90 2.78486
503571.98 3635125.90 2.87278 503621.98
3635125.90 2.95275
503671.98 3635125.90 2.98256 503721.98
3635125.90 3.11957
503771.98 3635125.90 3.20196 503821.98
3635125.90 3.21938
504371.98 3635125.90 2.19923 504421.98
3635125.90 2.08370
504471.98 3635125.90 1.97435 504521.98
3635125.90 1.86841
504571.98 3635125.90 1.76775 502721.98
3635175.90 1.16602
502771.98 3635175.90 1.22779 502821.98
3635175.90 1.29400
502871.98 3635175.90 1.36463 502921.98
3635175.90 1.44062
502971.98 3635175.90 1.52033 503021.98
3635175.90 1.60405
503071.98 3635175.90 1.69196 503121.98
3635175.90 1.78360
503171.98 3635175.90 1.87801 503221.98
3635175.90 1.97355
503271.98 3635175.90 2.07049 503321.98
3635175.90 2.16618
503371.98 3635175.90 2.26100 503421.98
3635175.90 2.35454
503471.98 3635175.90 2.44024 503521.98
3635175.90 2.52299
503571.98 3635175.90 2.59282 503621.98
3635175.90 2.63887
503671.98 3635175.90 2.69781 503721.98
3635175.90 2.83621
503771.98 3635175.90 2.86777 503821.98
3635175.90 2.74458
504371.98 3635175.90 2.04263 504421.98
3635175.90 1.94525
504471.98 3635175.90 1.85111 504521.98
3635175.90 1.75890
504571.98 3635175.90 1.66916 504621.98

```
3635175.90        1.58684
         502721.98    3635225.90        1.12467                       502771.98
3635225.90        1.18187
         502821.98    3635225.90        1.24253                       502871.98
3635225.90        1.30667
         502921.98    3635225.90        1.37441                       502971.98
3635225.90        1.44575
         503021.98    3635225.90        1.52025                       503071.98
3635225.90        1.59763
         503121.98    3635225.90        1.67739                       503171.98
3635225.90        1.75870
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 227
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS    ***
                                  INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                 L0000924    , L0000925    , L0000926    , L0000927    ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         503221.98    3635225.90        1.84079                       503271.98
3635225.90        1.92282
         503321.98    3635225.90        2.00383                       503371.98
3635225.90        2.08311
         503421.98    3635225.90        2.15982                       503471.98
3635225.90        2.23245
         503521.98    3635225.90        2.29761                       503571.98
3635225.90        2.33567
         503621.98    3635225.90        2.40366                       503671.98
3635225.90        2.49720
         504371.98    3635225.90        1.90058                       504421.98
3635225.90        1.81872
         504471.98    3635225.90        1.73729                       504521.98
3635225.90        1.65715
         504571.98    3635225.90        1.57828                       504621.98
```

3635225.90 1.50339
502721.98 3635275.90 1.08398 502771.98
3635275.90 1.13615
502821.98 3635275.90 1.19140 502871.98
3635275.90 1.24983
502921.98 3635275.90 1.31061 502971.98
3635275.90 1.37440
503021.98 3635275.90 1.43998 503071.98
3635275.90 1.50766
503121.98 3635275.90 1.57679 503171.98
3635275.90 1.64673
503221.98 3635275.90 1.71838 503271.98
3635275.90 1.78789
503321.98 3635275.90 1.85658 503371.98
3635275.90 1.92300
503421.98 3635275.90 1.98766 503471.98
3635275.90 2.04854
503521.98 3635275.90 2.10503 503571.98
3635275.90 2.15121
503621.98 3635275.90 2.17826 504371.98
3635275.90 1.76899
504421.98 3635275.90 1.69907 504471.98
3635275.90 1.63008
504521.98 3635275.90 1.56126 504571.98
3635275.90 1.49318
504621.98 3635275.90 1.42630 504671.98
3635275.90 1.36301
502721.98 3635325.90 1.04428 502771.98
3635325.90 1.09215
502821.98 3635325.90 1.14256 502871.98
3635325.90 1.19528
502921.98 3635325.90 1.24995 502971.98
3635325.90 1.30683
503021.98 3635325.90 1.36484 503071.98
3635325.90 1.42427
503121.98 3635325.90 1.48438 503171.98
3635325.90 1.54482
503221.98 3635325.90 1.60661 503271.98
3635325.90 1.66601
503321.98 3635325.90 1.72433 503371.98
3635325.90 1.78065
503421.98 3635325.90 1.83507 503471.98
3635325.90 1.88637
503521.98 3635325.90 1.93410 503571.98
3635325.90 1.97419
503621.98 3635325.90 1.98984 504371.98
3635325.90 1.65114
504421.98 3635325.90 1.59160 504471.98
3635325.90 1.53180
504521.98 3635325.90 1.47237 504571.98

3635325.90   1.41316
         504621.98   3635325.90   1.35398   504671.98
3635325.90   1.29615
         504721.98   3635325.90   1.24228   502721.98
3635375.90   1.00543
         502771.98   3635375.90   1.02329   502821.98
3635375.90   1.06747
         502871.98   3635375.90   1.11565   502921.98
3635375.90   1.16992
         502971.98   3635375.90   1.24251   503021.98
3635375.90   1.27873
         503071.98   3635375.90   1.32560   503121.98
3635375.90   1.39836
         503171.98   3635375.90   1.45115   503221.98
3635375.90   1.50459

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         503271.98   3635375.90   1.55570   503321.98
3635375.90   1.60554
         503371.98   3635375.90   1.65381   503421.98
3635375.90   1.70025
         503471.98   3635375.90   1.74391   503521.98
3635375.90   1.78385
         503571.98   3635375.90   1.81770   503621.98
3635375.90   1.84571
         503671.98   3635375.90   1.86971   503721.98
3635375.90   1.95910
         504371.98   3635375.90   1.54459   504421.98

```
3635375.90        1.49320
         504471.98    3635375.90        1.44153                    504521.98
3635375.90        1.38944
         504571.98    3635375.90        1.33767                    504621.98
3635375.90        1.28540
         504671.98    3635375.90        1.23431                    504721.98
3635375.90        1.18477
         502721.98    3635425.90        0.95255                    502771.98
3635425.90        0.98115
         502821.98    3635425.90        1.02151                    502871.98
3635425.90        1.06487
         502921.98    3635425.90        1.11089                    502971.98
3635425.90        1.15922
         503021.98    3635425.90        1.20609                    503071.98
3635425.90        1.25265
         503121.98    3635425.90        1.31939                    503171.98
3635425.90        1.36516
         503221.98    3635425.90        1.41059                    503271.98
3635425.90        1.45394
         503321.98    3635425.90        1.49728                    503371.98
3635425.90        1.53923
         503421.98    3635425.90        1.57916                    503471.98
3635425.90        1.61596
         503521.98    3635425.90        1.64931                    503571.98
3635425.90        1.67845
         503621.98    3635425.90        1.70268                    503671.98
3635425.90        1.72420
         503721.98    3635425.90        1.76437                    503771.98
3635425.90        1.80168
         503821.98    3635425.90        1.83818                    504371.98
3635425.90        1.44736
         504421.98    3635425.90        1.40242                    504471.98
3635425.90        1.35721
         504521.98    3635425.90        1.31211                    504571.98
3635425.90        1.26662
         504621.98    3635425.90        1.22069                    504671.98
3635425.90        1.17553
         504721.98    3635425.90        1.13113                    502721.98
3635475.90        0.90962
         502771.98    3635475.90        0.94285                    502821.98
3635475.90        0.98095
         502871.98    3635475.90        1.02066                    502921.98
3635475.90        1.06376
         502971.98    3635475.90        1.10358                    503021.98
3635475.90        1.14498
         503071.98    3635475.90        1.18892                    503121.98
3635475.90        1.24619
         503171.98    3635475.90        1.28613                    503221.98
3635475.90        1.32515
         503271.98    3635475.90        1.36325                    503321.98
```

```
3635475.90        1.40069
         503371.98    3635475.90        1.43706                      503421.98
3635475.90        1.47146
         503471.98    3635475.90        1.50310                      503521.98
3635475.90        1.53166
         503571.98    3635475.90        1.54609                      503621.98
3635475.90        1.56686
         503671.98    3635475.90        1.58378                      503721.98
3635475.90        1.60244
         503771.98    3635475.90        1.64788                      503821.98
3635475.90        1.66057
         503871.98    3635475.90        1.66999                      503921.98
3635475.90        1.69176
         504371.98    3635475.90        1.36001                      504421.98
3635475.90        1.32059
         504471.98    3635475.90        1.28043                      504521.98
3635475.90        1.24078
         504571.98    3635475.90        1.20020                      504621.98
3635475.90        1.15982
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 229
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS    ***
                                  INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                 L0000924    , L0000925    , L0000926    , L0000927    ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         504671.98    3635475.90        1.11975                      504721.98
3635475.90        1.11305
         502221.98    3632975.90        0.52525                      502271.98
3632975.90        0.54064
         502321.98    3632975.90        0.55661                      502371.98
3632975.90        0.57315
         502421.98    3632975.90        0.59022                      502471.98
```

3632975.90 0.60782
502521.98 3632975.90 0.62577 502571.98
3632975.90 0.64437
502621.98 3632975.90 0.66349 502671.98
3632975.90 0.68286
502721.98 3632975.90 0.70249 502771.98
3632975.90 0.72228
502821.98 3632975.90 0.63521 502871.98
3632975.90 0.55144
502921.98 3632975.90 0.56296 502971.98
3632975.90 0.40282
503021.98 3632975.90 0.40834 503071.98
3632975.90 0.48114
503121.98 3632975.90 0.56611 503171.98
3632975.90 0.64005
503221.98 3632975.90 0.67894 503271.98
3632975.90 0.69003
503321.98 3632975.90 0.69029 503371.98
3632975.90 0.69850
503421.98 3632975.90 0.67342 503471.98
3632975.90 0.66682
503621.98 3632975.90 0.61363 503671.98
3632975.90 0.59071
503721.98 3632975.90 0.56839 503771.98
3632975.90 0.53720
503821.98 3632975.90 0.46665 503871.98
3632975.90 0.41540
503921.98 3632975.90 0.40314 503971.98
3632975.90 0.40433
504021.98 3632975.90 0.40208 504071.98
3632975.90 0.40686
504121.98 3632975.90 0.40338 504171.98
3632975.90 0.40593
504221.98 3632975.90 0.40589 504271.98
3632975.90 0.40591
504321.98 3632975.90 0.40469 504371.98
3632975.90 0.39956
504421.98 3632975.90 0.39680 504471.98
3632975.90 0.39631
504521.98 3632975.90 0.39804 504571.98
3632975.90 0.39959
504621.98 3632975.90 0.40049 504671.98
3632975.90 0.40194
504721.98 3632975.90 0.40493 504771.98
3632975.90 0.40877
504821.98 3632975.90 0.41096 504871.98
3632975.90 0.41195
504921.98 3632975.90 0.41183 504971.98
3632975.90 0.41049
505021.98 3632975.90 0.40859 505071.98

3632975.90   0.40846
         505121.98   3632975.90   0.41143   505171.98
3632975.90   0.41677
         505221.98   3632975.90   0.42150   502221.98
3633025.90   0.53856
         502271.98   3633025.90   0.55554   502321.98
3633025.90   0.57234
         502371.98   3633025.90   0.58999   502421.98
3633025.90   0.60825
         502471.98   3633025.90   0.62691   502521.98
3633025.90   0.64631
         502571.98   3633025.90   0.66632   502621.98
3633025.90   0.68687
         502671.98   3633025.90   0.70776   502721.98
3633025.90   0.72909
         502771.98   3633025.90   0.75071   502821.98
3633025.90   0.65224
         502871.98   3633025.90   0.61625   502921.98
3633025.90   0.58496
         502971.98   3633025.90   0.42033   503021.98
3633025.90   0.45334
         503071.98   3633025.90   0.55673   503121.98
3633025.90   0.65633

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         503171.98   3633025.90   0.69806   503221.98
3633025.90   0.74427
         503271.98   3633025.90   0.74493   503321.98

3633025.90 0.75438
503371.98 3633025.90 0.74110 503421.98
3633025.90 0.68831
503471.98 3633025.90 0.70272 503621.98
3633025.90 0.63594
503671.98 3633025.90 0.62102 503721.98
3633025.90 0.61020
503771.98 3633025.90 0.53272 503821.98
3633025.90 0.46419
503871.98 3633025.90 0.42713 503921.98
3633025.90 0.41927
503971.98 3633025.90 0.42051 504021.98
3633025.90 0.42230
504071.98 3633025.90 0.42378 504121.98
3633025.90 0.42572
504171.98 3633025.90 0.42768 504221.98
3633025.90 0.42891
504271.98 3633025.90 0.42843 504321.98
3633025.90 0.42665
504371.98 3633025.90 0.42176 504421.98
3633025.90 0.41944
504471.98 3633025.90 0.41977 504521.98
3633025.90 0.42054
504571.98 3633025.90 0.42185 504621.98
3633025.90 0.42342
504671.98 3633025.90 0.42616 504721.98
3633025.90 0.43037
504771.98 3633025.90 0.43465 504821.98
3633025.90 0.43656
504871.98 3633025.90 0.43746 504921.98
3633025.90 0.43675
504971.98 3633025.90 0.43479 505021.98
3633025.90 0.43334
505071.98 3633025.90 0.43502 505121.98
3633025.90 0.43919
505171.98 3633025.90 0.44390 505221.98
3633025.90 0.44839
502221.98 3633075.90 0.55291 502271.98
3633075.90 0.57077
502321.98 3633075.90 0.58876 502371.98
3633075.90 0.60744
502421.98 3633075.90 0.62684 502471.98
3633075.90 0.64669
502521.98 3633075.90 0.66748 502571.98
3633075.90 0.68908
502621.98 3633075.90 0.71124 502671.98
3633075.90 0.73391
502721.98 3633075.90 0.75699 502771.98
3633075.90 0.78065
502821.98 3633075.90 0.71792 502871.98

3633075.90   0.68924
         502921.98   3633075.90   0.65797   502971.98
3633075.90   0.59029
         503021.98   3633075.90   0.63102   503071.98
3633075.90   0.66086
         503121.98   3633075.90   0.72059   503171.98
3633075.90   0.76253
         503221.98   3633075.90   0.82327   503271.98
3633075.90   0.80436
         503321.98   3633075.90   0.79553   503371.98
3633075.90   0.77722
         503421.98   3633075.90   0.72883   503471.98
3633075.90   0.74436
         503621.98   3633075.90   0.66254   503671.98
3633075.90   0.63714
         503721.98   3633075.90   0.62254   503771.98
3633075.90   0.54219
         503821.98   3633075.90   0.47175   503871.98
3633075.90   0.43927
         503921.98   3633075.90   0.44086   503971.98
3633075.90   0.44765
         504021.98   3633075.90   0.44754   504071.98
3633075.90   0.44978
         504121.98   3633075.90   0.45224   504171.98
3633075.90   0.45397
         504221.98   3633075.90   0.45462   504271.98
3633075.90   0.45388

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -

- -

504321.98	3633075.90	0.45263	504371.98	3633075.90	0.44710
504421.98	3633075.90	0.44615	504471.98	3633075.90	0.44576
504521.98	3633075.90	0.44655	504571.98	3633075.90	0.44809
504621.98	3633075.90	0.45037	504671.98	3633075.90	0.45450
504721.98	3633075.90	0.45926	504771.98	3633075.90	0.46303
504821.98	3633075.90	0.46439	504871.98	3633075.90	0.46483
504921.98	3633075.90	0.46543	504971.98	3633075.90	0.46321
505021.98	3633075.90	0.46315	505071.98	3633075.90	0.46548
505121.98	3633075.90	0.46817	505171.98	3633075.90	0.47055
505221.98	3633075.90	0.47251	502221.98	3633125.90	0.56783
502271.98	3633125.90	0.58634	502321.98	3633125.90	0.60545
502371.98	3633125.90	0.62530	502421.98	3633125.90	0.64600
502471.98	3633125.90	0.66732	502521.98	3633125.90	0.68956
502571.98	3633125.90	0.71263	502621.98	3633125.90	0.73649
502671.98	3633125.90	0.76112	502721.98	3633125.90	0.78629
502771.98	3633125.90	0.81187	502821.98	3633125.90	0.83811
502871.98	3633125.90	0.76026	502921.98	3633125.90	0.75308
502971.98	3633125.90	0.71451	503021.98	3633125.90	0.70629
503071.98	3633125.90	0.74865	503121.98	3633125.90	0.79208
503171.98	3633125.90	0.84473	503221.98	3633125.90	0.88221
503271.98	3633125.90	0.87630	503321.98	3633125.90	0.88117
503371.98	3633125.90	0.83345	503421.98	3633125.90	0.77057
503471.98	3633125.90	0.78766	503621.98	3633125.90	0.68665
503671.98	3633125.90	0.64695	503721.98	3633125.90	0.63160
503771.98	3633125.90	0.53627	503821.98		

```
3633125.90        0.48316
         503871.98    3633125.90        0.46321                        503921.98
3633125.90        0.46833
         503971.98    3633125.90        0.47626                        504021.98
3633125.90        0.47390
         504071.98    3633125.90        0.47904                        504121.98
3633125.90        0.48339
         504171.98    3633125.90        0.48509                        504221.98
3633125.90        0.48496
         504271.98    3633125.90        0.48408                        504321.98
3633125.90        0.48090
         504371.98    3633125.90        0.47770                        504421.98
3633125.90        0.47720
         504471.98    3633125.90        0.47610                        504521.98
3633125.90        0.47657
         504571.98    3633125.90        0.47831                        504621.98
3633125.90        0.48213
         504671.98    3633125.90        0.48745                        504721.98
3633125.90        0.49166
         504771.98    3633125.90        0.49380                        504821.98
3633125.90        0.49403
         504871.98    3633125.90        0.49514                        504921.98
3633125.90        0.50035
         504971.98    3633125.90        0.49900                        505021.98
3633125.90        0.49776
         505071.98    3633125.90        0.49705                        505121.98
3633125.90        0.49673
         505171.98    3633125.90        0.49649                        505221.98
3633125.90        0.49866
         502221.98    3633175.90        0.58265                        502271.98
3633175.90        0.60205
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 232
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS    ***
                                 INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                L0000924    , L0000925    , L0000926    , L0000927    ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502321.98	3633175.90	0.62234	502371.98	3633175.90	0.64385
502421.98	3633175.90	0.66602	502471.98	3633175.90	0.68877
502521.98	3633175.90	0.71261	502571.98	3633175.90	0.73741
502621.98	3633175.90	0.76306	502671.98	3633175.90	0.78941
502721.98	3633175.90	0.81632	502771.98	3633175.90	0.84409
502821.98	3633175.90	0.77785	502871.98	3633175.90	0.90255
502921.98	3633175.90	0.82527	502971.98	3633175.90	0.84359
503021.98	3633175.90	0.83659	503071.98	3633175.90	0.87200
503121.98	3633175.90	0.88047	503171.98	3633175.90	0.93714
503221.98	3633175.90	0.92631	503271.98	3633175.90	0.91772
503321.98	3633175.90	0.92934	503371.98	3633175.90	0.87582
503421.98	3633175.90	0.82693	503471.98	3633175.90	0.82526
503621.98	3633175.90	0.68392	503671.98	3633175.90	0.67450
503721.98	3633175.90	0.61908	503771.98	3633175.90	0.53670
503821.98	3633175.90	0.49849	503871.98	3633175.90	0.48909
503921.98	3633175.90	0.50020	503971.98	3633175.90	0.50868
504021.98	3633175.90	0.50654	504071.98	3633175.90	0.51289
504121.98	3633175.90	0.51900	504171.98	3633175.90	0.52367
504221.98	3633175.90	0.52160	504271.98	3633175.90	0.51829
504321.98	3633175.90	0.51458	504371.98	3633175.90	0.51665
504421.98	3633175.90	0.51286	504471.98	3633175.90	0.51034
504521.98	3633175.90	0.51049	504571.98	3633175.90	0.51330
504621.98	3633175.90	0.51902	504671.98		

```
3633175.90        0.52489
         504721.98    3633175.90        0.52769                          504771.98
3633175.90        0.52801
         504821.98    3633175.90        0.52719                          504871.98
3633175.90        0.53036
         504921.98    3633175.90        0.54145                          504971.98
3633175.90        0.53728
         505021.98    3633175.90        0.53267                          505071.98
3633175.90        0.52905
         505121.98    3633175.90        0.52578                          505171.98
3633175.90        0.52382
         505221.98    3633175.90        0.52444                          502221.98
3633225.90        0.59782
         502271.98    3633225.90        0.61855                          502321.98
3633225.90        0.64002
         502371.98    3633225.90        0.66292                          502421.98
3633225.90        0.68645
         502471.98    3633225.90        0.71062                          502521.98
3633225.90        0.73626
         502571.98    3633225.90        0.76286                          502621.98
3633225.90        0.79055
         502671.98    3633225.90        0.81907                          502721.98
3633225.90        0.84819
         502771.98    3633225.90        0.87879                          502821.98
3633225.90        0.90993
         502871.98    3633225.90        0.87126                          502921.98
3633225.90        0.92448
         502971.98    3633225.90        0.99903                          503021.98
3633225.90        0.93121
         503071.98    3633225.90        0.96303                          503121.98
3633225.90        1.00183
         503171.98    3633225.90        1.00945                          503221.98
3633225.90        0.99855
         503271.98    3633225.90        0.98969                          503321.98
3633225.90        0.96565
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS     ***
                                   INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                L0000924    , L0000925    , L0000926    , L0000927    ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503371.98	3633225.90	0.90044	503421.98	3633225.90	0.88056
503471.98	3633225.90	0.85351	503621.98	3633225.90	0.72746
503671.98	3633225.90	0.69395	503721.98	3633225.90	0.62403
503771.98	3633225.90	0.56384	503821.98	3633225.90	0.52293
503871.98	3633225.90	0.52445	503921.98	3633225.90	0.53430
503971.98	3633225.90	0.54532	504021.98	3633225.90	0.55004
504071.98	3633225.90	0.55737	504121.98	3633225.90	0.56507
504171.98	3633225.90	0.56816	504221.98	3633225.90	0.55766
504271.98	3633225.90	0.55404	504321.98	3633225.90	0.55720
504371.98	3633225.90	0.56090	504421.98	3633225.90	0.55364
504471.98	3633225.90	0.55020	504521.98	3633225.90	0.55029
504571.98	3633225.90	0.55464	504621.98	3633225.90	0.56131
504671.98	3633225.90	0.56754	504721.98	3633225.90	0.56921
504771.98	3633225.90	0.56710	504821.98	3633225.90	0.56985
504871.98	3633225.90	0.57470	504921.98	3633225.90	0.58691
504971.98	3633225.90	0.58021	505021.98	3633225.90	0.57072
505071.98	3633225.90	0.56427	505121.98	3633225.90	0.55804
505171.98	3633225.90	0.55167	505221.98	3633225.90	0.55013
502221.98	3633275.90	0.61306	502271.98	3633275.90	0.63499
502321.98	3633275.90	0.65815	502371.98	3633275.90	0.68226
502421.98	3633275.90	0.70724	502471.98		

3633275.90   0.73339
         502521.98   3633275.90   0.76076   502571.98
3633275.90   0.78932
         502621.98   3633275.90   0.81910   502671.98
3633275.90   0.84994
         502721.98   3633275.90   0.88198   502771.98
3633275.90   0.91489
         502821.98   3633275.90   0.79992   502871.98
3633275.90   0.90949
         502921.98   3633275.90   1.02162   502971.98
3633275.90   1.05925
         503021.98   3633275.90   1.00275   503071.98
3633275.90   1.13606
         503121.98   3633275.90   1.17540   503171.98
3633275.90   1.21381
         503221.98   3633275.90   1.09664   503271.98
3633275.90   1.02451
         503321.98   3633275.90   1.02403   503371.98
3633275.90   0.96579
         503421.98   3633275.90   0.92644   503471.98
3633275.90   0.70553
         503621.98   3633275.90   0.73115   503671.98
3633275.90   0.70246
         503721.98   3633275.90   0.62992   503771.98
3633275.90   0.58014
         503821.98   3633275.90   0.55215   503871.98
3633275.90   0.56174
         503921.98   3633275.90   0.57958   503971.98
3633275.90   0.60563
         504021.98   3633275.90   0.61062   504071.98
3633275.90   0.61128
         504121.98   3633275.90   0.62263   504171.98
3633275.90   0.61415
         504221.98   3633275.90   0.60180   504271.98
3633275.90   0.59838
         504321.98   3633275.90   0.60807   504371.98
3633275.90   0.61904
         504421.98   3633275.90   0.60647   504471.98
3633275.90   0.59839

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920

, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
3633325.90        1.07529
         503371.98    3633325.90        1.01130                        503421.98
3633325.90        0.84160
         503471.98    3633325.90        0.66741                        503621.98
3633325.90        0.73594
         503671.98    3633325.90        0.70655                        503721.98
3633325.90        0.63160
         503771.98    3633325.90        0.61231                        503821.98
3633325.90        0.59800
         503871.98    3633325.90        0.60722                        503921.98
3633325.90        0.64461
         503971.98    3633325.90        0.68893                        504021.98
3633325.90        0.68623
         504071.98    3633325.90        0.67748                        504121.98
3633325.90        0.69595
         504171.98    3633325.90        0.66868                        504221.98
3633325.90        0.65111
         504271.98    3633325.90        0.65461                        504321.98
3633325.90        0.67844
         504371.98    3633325.90        0.69072                        504421.98
3633325.90        0.66964
         504471.98    3633325.90        0.65639                        504521.98
3633325.90        0.65393
         504571.98    3633325.90        0.65985                        504621.98
3633325.90        0.66682
         504671.98    3633325.90        0.67415                        504721.98
3633325.90        0.66887
         504771.98    3633325.90        0.66100                        504821.98
3633325.90        0.66706
         504871.98    3633325.90        0.68651                        504921.98
3633325.90        0.69493
         504971.98    3633325.90        0.68013                        505021.98
3633325.90        0.66650
         505071.98    3633325.90        0.65779                        505121.98
3633325.90        0.63535
         505171.98    3633325.90        0.61831                        505221.98
3633325.90        0.61271
         502221.98    3633375.90        0.64443                        502271.98
3633375.90        0.66893
         502321.98    3633375.90        0.69466                        502371.98
3633375.90        0.72170
         502421.98    3633375.90        0.75019                        502471.98
3633375.90        0.78007
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 235
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***

INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3633375.90	0.81157	502571.98	3633375.90	0.84465
502621.98	3633375.90	0.87933	502671.98	3633375.90	0.91550
502721.98	3633375.90	0.95328	502771.98	3633375.90	0.99279
502821.98	3633375.90	1.03409	502871.98	3633375.90	1.07728
502921.98	3633375.90	1.12200	502971.98	3633375.90	1.16828
503021.98	3633375.90	1.21590	503071.98	3633375.90	1.26499
503121.98	3633375.90	1.31482	503171.98	3633375.90	1.36491
503221.98	3633375.90	1.41438	503271.98	3633375.90	1.46339
503321.98	3633375.90	1.28604	503371.98	3633375.90	1.08916
503421.98	3633375.90	0.80514	503471.98	3633375.90	0.79693
503621.98	3633375.90	0.81337	503671.98	3633375.90	0.76027
503721.98	3633375.90	0.69336	503771.98	3633375.90	0.68036
503821.98	3633375.90	0.69106	503871.98	3633375.90	0.68534
503921.98	3633375.90	0.73344	503971.98	3633375.90	0.79135
504021.98	3633375.90	0.77316	504071.98	3633375.90	0.75655
504121.98	3633375.90	0.78117	504171.98	3633375.90	0.72951
504221.98	3633375.90	0.71895	504271.98		

```
3633375.90        0.73804
         504321.98    3633375.90        0.77087                     504371.98
3633375.90        0.78093
         504421.98    3633375.90        0.74390                     504471.98
3633375.90        0.72284
         504521.98    3633375.90        0.71759                     504571.98
3633375.90        0.72508
         504621.98    3633375.90        0.73259                     504671.98
3633375.90        0.74460
         504721.98    3633375.90        0.73351                     504771.98
3633375.90        0.72445
         504821.98    3633375.90        0.73184                     504871.98
3633375.90        0.75781
         504921.98    3633375.90        0.75547                     504971.98
3633375.90        0.74155
         505021.98    3633375.90        0.72533                     505071.98
3633375.90        0.69937
         505121.98    3633375.90        0.67230                     505171.98
3633375.90        0.65413
         505221.98    3633375.90        0.64902                     502221.98
3633425.90        0.65985
         502271.98    3633425.90        0.68555                     502321.98
3633425.90        0.71259
         502371.98    3633425.90        0.74131                     502421.98
3633425.90        0.77180
         502471.98    3633425.90        0.80450                     502521.98
3633425.90        0.83812
         502571.98    3633425.90        0.87352                     502621.98
3633425.90        0.91091
         502671.98    3633425.90        0.95009                     502721.98
3633425.90        0.99131
         502771.98    3633425.90        1.03451                     502821.98
3633425.90        1.07984
         502871.98    3633425.90        1.12726                     502921.98
3633425.90        1.17657
         502971.98    3633425.90        1.22805                     503021.98
3633425.90        1.28154
         503071.98    3633425.90        1.33645                     503121.98
3633425.90        1.39314
         503171.98    3633425.90        1.44998                     503221.98
3633425.90        1.50694
         503271.98    3633425.90        1.56339                     503321.98
3633425.90        1.37868
         503371.98    3633425.90        1.05815                     503421.98
3633425.90        0.90859
         503471.98    3633425.90        0.93055                     503621.98
3633425.90        0.97986
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***

INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503671.98	3633425.90	0.88313	503721.98	3633425.90	0.78765
503771.98	3633425.90	0.76524	503821.98	3633425.90	0.77993
503871.98	3633425.90	0.79700	503921.98	3633425.90	0.86891
503971.98	3633425.90	0.89724	504021.98	3633425.90	0.87048
504071.98	3633425.90	0.85525	504121.98	3633425.90	0.88387
504171.98	3633425.90	0.82798	504221.98	3633425.90	0.83255
504271.98	3633425.90	0.86894	504321.98	3633425.90	0.91076
504371.98	3633425.90	0.87174	504421.98	3633425.90	0.82839
504471.98	3633425.90	0.80334	504521.98	3633425.90	0.79140
504571.98	3633425.90	0.79980	504621.98	3633425.90	0.81550
504671.98	3633425.90	0.82521	504721.98	3633425.90	0.82407
504771.98	3633425.90	0.81051	504821.98	3633425.90	0.80204
504871.98	3633425.90	0.82997	504921.98	3633425.90	0.81646
504971.98	3633425.90	0.79531	505021.98	3633425.90	0.75717
505071.98	3633425.90	0.72929	505121.98		

3633425.90 0.70717
505171.98 3633425.90 0.69027 505221.98
3633425.90 0.68594
502221.98 3633475.90 0.67537 502271.98
3633475.90 0.70240
502321.98 3633475.90 0.73110 502371.98
3633475.90 0.76162
502421.98 3633475.90 0.79408 502471.98
3633475.90 0.82914
502521.98 3633475.90 0.86475 502571.98
3633475.90 0.90277
502621.98 3633475.90 0.94316 502671.98
3633475.90 0.98554
504771.98 3633475.90 0.92759 504821.98
3633475.90 0.91970
504871.98 3633475.90 0.90545 504921.98
3633475.90 0.89061
504971.98 3633475.90 0.85078 505021.98
3633475.90 0.80062
505071.98 3633475.90 0.76953 505121.98
3633475.90 0.74476
505171.98 3633475.90 0.72335 505221.98
3633475.90 0.71530
502221.98 3633525.90 0.69122 502271.98
3633525.90 0.71967
502321.98 3633525.90 0.74986 502371.98
3633525.90 0.78253
502421.98 3633525.90 0.81720 502471.98
3633525.90 0.85404
502521.98 3633525.90 0.89185 502571.98
3633525.90 0.93180
502621.98 3633525.90 0.97541 502671.98
3633525.90 1.02139
504771.98 3633525.90 1.00387 504821.98
3633525.90 0.98317
504871.98 3633525.90 0.96585 504921.98
3633525.90 0.94842
504971.98 3633525.90 0.92630 505021.98
3633525.90 0.87316
505071.98 3633525.90 0.81999 505121.98
3633525.90 0.78041
505171.98 3633525.90 0.75701 505221.98
3633525.90 0.74470
502221.98 3633575.90 0.70763 502271.98
3633575.90 0.73663
502321.98 3633575.90 0.76841 502371.98
3633575.90 0.80307
502421.98 3633575.90 0.83958 502471.98
3633575.90 0.87797
502521.98 3633575.90 0.91867 502571.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920 , L0000921   , L0000922   , L0000923   ,
                   L0000924   , L0000925   , L0000926   , L0000927   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3633625.90 1.06723
504971.98 3633625.90 1.04123 505021.98
3633625.90 1.00113
505071.98 3633625.90 0.92956 505121.98
3633625.90 0.87198
505171.98 3633625.90 0.83085 505221.98
3633625.90 0.81060
502221.98 3633675.90 0.73793 502271.98
3633675.90 0.76944
502321.98 3633675.90 0.80515 502371.98
3633675.90 0.84286
502421.98 3633675.90 0.88428 502471.98
3633675.90 0.92771
502521.98 3633675.90 0.97461 502571.98
3633675.90 1.02451
502621.98 3633675.90 1.07797 502671.98
3633675.90 1.13519
504771.98 3633675.90 1.26484 504821.98
3633675.90 1.23404
504871.98 3633675.90 1.19484 504921.98
3633675.90 1.15346
504971.98 3633675.90 1.10940 505021.98
3633675.90 1.05607
505071.98 3633675.90 0.97085 505121.98
3633675.90 0.89371
505171.98 3633675.90 0.84361 505221.98
3633675.90 0.81451
502221.98 3633725.90 0.75216 502271.98
3633725.90 0.78535
502321.98 3633725.90 0.82313 502371.98
3633725.90 0.86312
502421.98 3633725.90 0.90614 502471.98
3633725.90 0.95229
502521.98 3633725.90 1.00193 502571.98
3633725.90 1.05524
502621.98 3633725.90 1.11254 502671.98
3633725.90 1.17397
504771.98 3633725.90 1.41549 504821.98
3633725.90 1.33237
504871.98 3633725.90 1.28657 504921.98
3633725.90 1.22502
504971.98 3633725.90 1.15868 505021.98
3633725.90 1.07793
505071.98 3633725.90 0.97365 505121.98
3633725.90 0.89040
505171.98 3633725.90 0.84616 505221.98
3633725.90 0.81382
502221.98 3633775.90 0.76630 502271.98
3633775.90 0.80100
502321.98 3633775.90 0.84142 502371.98

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920
, L0000921 , L0000922 , L0000923 ,
L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633775.90	1.14655	502671.98	3633775.90	1.21246
504771.98	3633775.90	1.57174	504821.98	3633775.90	1.47878
504871.98	3633775.90	1.36990	504921.98	3633775.90	1.25401
504971.98	3633775.90	1.17030	505021.98	3633775.90	1.06878
505071.98	3633775.90	0.97266	505121.98	3633775.90	0.89376
505171.98	3633775.90	0.85121	505221.98	3633775.90	0.82686
502221.98	3633825.90	0.78087	502271.98	3633825.90	0.81686
502321.98	3633825.90	0.85819	502371.98	3633825.90	0.90219
502421.98	3633825.90	0.94930	502471.98	3633825.90	0.99997
502521.98	3633825.90	1.05532	502571.98	3633825.90	1.11552
502621.98	3633825.90	1.18078	502671.98		

3633825.90 1.25110
504771.98 3633825.90 1.69792 504821.98
3633825.90 1.55369
504871.98 3633825.90 1.35151 504921.98
3633825.90 1.22131
504971.98 3633825.90 1.13132 505021.98
3633825.90 1.05746
505071.98 3633825.90 0.97730 505121.98
3633825.90 0.90602
505171.98 3633825.90 0.87359 505221.98
3633825.90 0.85313
502221.98 3633875.90 0.79372 502271.98
3633875.90 0.83165
502321.98 3633875.90 0.87509 502371.98
3633875.90 0.91998
502421.98 3633875.90 0.96957 502471.98
3633875.90 1.02227
502521.98 3633875.90 1.08097 502571.98
3633875.90 1.14482
502621.98 3633875.90 1.21398 502671.98
3633875.90 1.28881
504771.98 3633875.90 1.75452 504821.98
3633875.90 1.52773
504871.98 3633875.90 1.32665 504921.98
3633875.90 1.20857
504971.98 3633875.90 1.11943 505021.98
3633875.90 1.04711
505071.98 3633875.90 0.99788 505121.98
3633875.90 0.93963
505171.98 3633875.90 0.90529 505221.98
3633875.90 0.87471
502221.98 3633925.90 0.80629 502271.98
3633925.90 0.84628
502321.98 3633925.90 0.89059 502371.98
3633925.90 0.93698
502421.98 3633925.90 0.98947 502471.98
3633925.90 1.04478
502521.98 3633925.90 1.10598 502571.98
3633925.90 1.17279
502621.98 3633925.90 1.24583 502671.98
3633925.90 1.32522
504771.98 3633925.90 1.73458 504821.98
3633925.90 1.51859
504871.98 3633925.90 1.36490 504921.98
3633925.90 1.22747
504971.98 3633925.90 1.12886 505021.98
3633925.90 1.06773
505071.98 3633925.90 1.01270 505121.98
3633925.90 0.96100
505171.98 3633925.90 0.91891 505221.98

3633925.90   0.87592
         502221.98   3633975.90   0.81856   502271.98
3633975.90   0.85871
         502321.98   3633975.90   0.90432   502371.98
3633975.90   0.95420
         502421.98   3633975.90   1.00801   502471.98
3633975.90   1.06614
         502521.98   3633975.90   1.13013   502571.98
3633975.90   1.19969

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502621.98   3633975.90   1.27652   502671.98
3633975.90   1.36014
         504771.98   3633975.90   1.69002   504821.98
3633975.90   1.54177
         504871.98   3633975.90   1.42113   504921.98
3633975.90   1.28309
         504971.98   3633975.90   1.14857   505021.98
3633975.90   1.06335
         505071.98   3633975.90   0.99354   505121.98
3633975.90   0.94828
         505171.98   3633975.90   0.89903   505221.98
3633975.90   0.84771
         502221.98   3634025.90   0.82987   502271.98
3634025.90   0.87098
         502321.98   3634025.90   0.91779   502371.98
3634025.90   0.96935
         502421.98   3634025.90   1.02487   502471.98

3634025.90 1.08540
502521.98 3634025.90 1.15177 502571.98
3634025.90 1.22474
502621.98 3634025.90 1.30545 502671.98
3634025.90 1.39388
504771.98 3634025.90 1.67364 504821.98
3634025.90 1.56718
504871.98 3634025.90 1.40168 504921.98
3634025.90 1.25161
504971.98 3634025.90 1.10701 505021.98
3634025.90 1.01345
505071.98 3634025.90 0.93981 505121.98
3634025.90 0.89764
505171.98 3634025.90 0.85575 505221.98
3634025.90 0.80519
502221.98 3634075.90 0.83883 502271.98
3634075.90 0.88203
502321.98 3634075.90 0.92996 502371.98
3634075.90 0.98210
502421.98 3634075.90 1.03878 502471.98
3634075.90 1.10151
502521.98 3634075.90 1.17097 502571.98
3634075.90 1.24819
502621.98 3634075.90 1.33200 502671.98
3634075.90 1.42563
504771.98 3634075.90 1.65493 504821.98
3634075.90 1.49936
504871.98 3634075.90 1.30210 504921.98
3634075.90 1.15534
504971.98 3634075.90 1.02869 505021.98
3634075.90 0.93769
505071.98 3634075.90 0.87504 505121.98
3634075.90 0.83990
505171.98 3634075.90 0.81407 505221.98
3634075.90 0.77615
502221.98 3634125.90 0.84605 502271.98
3634125.90 0.89212
502321.98 3634125.90 0.94085 502371.98
3634125.90 0.99513
502421.98 3634125.90 1.05357 502471.98
3634125.90 1.11776
502521.98 3634125.90 1.18832 502571.98
3634125.90 1.26647
502621.98 3634125.90 1.35579 502671.98
3634125.90 1.45431
504771.98 3634125.90 1.47412 504821.98
3634125.90 1.32952
504871.98 3634125.90 1.18786 504921.98
3634125.90 1.04031
504971.98 3634125.90 0.95579 505021.98

```
3634125.90        0.88279
         505071.98    3634125.90        0.84200                      505121.98
3634125.90        0.82280
         505171.98    3634125.90        0.80067                      505221.98
3634125.90        0.77175
         502221.98    3634175.90        0.85083                      502271.98
3634175.90        0.89751
         502321.98    3634175.90        0.94715                      502371.98
3634175.90        1.00732
         502421.98    3634175.90        1.06730                      502471.98
3634175.90        1.13308
         502521.98    3634175.90        1.20506                      502571.98
3634175.90        1.28540
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 240
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS    ***
                                 INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                L0000924    , L0000925    , L0000926    , L0000927    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634175.90        1.37468                      502671.98
3634175.90        1.47584
         504771.98    3634175.90        1.29077                      504821.98
3634175.90        1.16941
         504871.98    3634175.90        1.07197                      504921.98
3634175.90        0.99468
         504971.98    3634175.90        0.92866                      505021.98
3634175.90        0.88113
         505071.98    3634175.90        0.83174                      505121.98
3634175.90        0.82473
         505171.98    3634175.90        0.80442                      505221.98
3634175.90        0.78714
         502221.98    3634225.90        0.85737                      502271.98
```

3634225.90 0.90358
502321.98 3634225.90 0.95744 502371.98 3634225.90 1.01664
502421.98 3634225.90 1.07855 502471.98 3634225.90 1.14596
502521.98 3634225.90 1.21939 502571.98 3634225.90 1.30202
502621.98 3634225.90 1.39334 502671.98 3634225.90 1.49623
504771.98 3634225.90 1.20801 504821.98 3634225.90 1.11156
504871.98 3634225.90 1.05154 504921.98 3634225.90 0.98572
504971.98 3634225.90 0.95130 505021.98 3634225.90 0.89231
505071.98 3634225.90 0.83980 505121.98 3634225.90 0.82123
505171.98 3634225.90 0.77949 505221.98 3634225.90 0.77941
502221.98 3634275.90 0.86290 502271.98 3634275.90 0.90985
502321.98 3634275.90 0.96324 502371.98 3634275.90 1.02399
502421.98 3634275.90 1.08666 502471.98 3634275.90 1.15515
502521.98 3634275.90 1.23099 502571.98 3634275.90 1.31477
502621.98 3634275.90 1.40899 502671.98 3634275.90 1.51425
504771.98 3634275.90 1.18581 504821.98 3634275.90 1.10198
504871.98 3634275.90 1.03987 504921.98 3634275.90 0.99163
504971.98 3634275.90 0.97041 505021.98 3634275.90 0.89108
505071.98 3634275.90 0.83813 505121.98 3634275.90 0.81960
505171.98 3634275.90 0.75959 505221.98 3634275.90 0.76238
502221.98 3634325.90 0.86795 502271.98 3634325.90 0.91625
502321.98 3634325.90 0.96851 502371.98 3634325.90 1.02581
502421.98 3634325.90 1.08851 502471.98 3634325.90 1.15709
502521.98 3634325.90 1.23338 502571.98 3634325.90 1.31789
502621.98 3634325.90 1.41206 502671.98 3634325.90 1.51857
504771.98 3634325.90 1.17911 504821.98

3634325.90   1.11996
         504871.98   3634325.90   1.06141   504921.98
3634325.90   1.02465
         504971.98   3634325.90   0.98924   505021.98
3634325.90   0.89107
         505071.98   3634325.90   0.83860   505121.98
3634325.90   0.83438
         505171.98   3634325.90   0.77259   505221.98
3634325.90   0.74968
         502221.98   3634375.90   0.87276   502271.98
3634375.90   0.92135
         502321.98   3634375.90   0.97242   502371.98
3634375.90   1.02859
         502421.98   3634375.90   1.09368   502471.98
3634375.90   1.16530
         502521.98   3634375.90   1.24528   502571.98
3634375.90   1.33138

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
3634375.90        0.87724
         505171.98    3634375.90        0.81620                   505221.98
3634375.90        0.76948
         502221.98    3634425.90        0.87716                   502271.98
3634425.90        0.92615
         502321.98    3634425.90        0.97900                   502371.98
3634425.90        1.03689
         502421.98    3634425.90        1.10081                   502471.98
3634425.90        1.17053
         502521.98    3634425.90        1.24857                   502571.98
3634425.90        1.33475
         502621.98    3634425.90        1.43107                   502671.98
3634425.90        1.53859
         504771.98    3634425.90        1.29899                   504821.98
3634425.90        1.25259
         504871.98    3634425.90        1.24386                   504921.98
3634425.90        1.22741
         504971.98    3634425.90        1.09414                   505021.98
3634425.90        1.01501
         505071.98    3634425.90        0.98326                   505121.98
3634425.90        0.94417
         505171.98    3634425.90        0.87392                   505221.98
3634425.90        0.81426
         502221.98    3634475.90        0.87760                   502271.98
3634475.90        0.92630
         502321.98    3634475.90        0.97925                   502371.98
3634475.90        1.03721
         502421.98    3634475.90        1.10081                   502471.98
3634475.90        1.17059
         502521.98    3634475.90        1.24855                   502571.98
3634475.90        1.33466
         502621.98    3634475.90        1.43058                   502671.98
3634475.90        1.53813
         504771.98    3634475.90        1.36116                   504821.98
3634475.90        1.27911
         504871.98    3634475.90        1.27402                   504921.98
3634475.90        1.35554
         504971.98    3634475.90        1.23257                   505021.98
3634475.90        1.14895
         505071.98    3634475.90        1.09686                   505121.98
3634475.90        1.01799
         505171.98    3634475.90        0.93498                   505221.98
3634475.90        0.86492
         502221.98    3634525.90        0.87662                   502271.98
3634525.90        0.92474
         502321.98    3634525.90        0.97736                   502371.98
3634525.90        1.03506
         502421.98    3634525.90        1.09815                   502471.98
3634525.90        1.16777
         502521.98    3634525.90        1.24455                   502571.98
```

3634525.90   1.33014
         502621.98   3634525.90   1.42538   502671.98
3634525.90   1.53308
         504771.98   3634525.90   1.46565   504821.98
3634525.90   1.34418
         504871.98   3634525.90   1.33669   504921.98
3634525.90   1.45666
         504971.98   3634525.90   1.43342   505021.98
3634525.90   1.31196
         505071.98   3634525.90   1.20725   505121.98
3634525.90   1.08490
         505171.98   3634525.90   0.97442   505221.98
3634525.90   0.88413
         502221.98   3634575.90   0.87473   502271.98
3634575.90   0.92153
         502321.98   3634575.90   0.97336   502371.98
3634575.90   1.03031
         502421.98   3634575.90   1.09283   502471.98
3634575.90   1.16171
         502521.98   3634575.90   1.23747   502571.98
3634575.90   1.32158

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3634575.90 1.64519
504971.98 3634575.90 1.52822 505021.98
3634575.90 1.35809
505071.98 3634575.90 1.22796 505121.98
3634575.90 1.11282
505171.98 3634575.90 0.95034 505221.98
3634575.90 0.87035
502221.98 3634625.90 0.87048 502271.98
3634625.90 0.91740
502321.98 3634625.90 0.96736 502371.98
3634625.90 1.02325
502421.98 3634625.90 1.08450 502471.98
3634625.90 1.15200
502521.98 3634625.90 1.22726 502571.98
3634625.90 1.30938
502621.98 3634625.90 1.40072 502671.98
3634625.90 1.50219
504771.98 3634625.90 2.01167 504821.98
3634625.90 1.94555
504871.98 3634625.90 1.81240 504921.98
3634625.90 1.68284
504971.98 3634625.90 1.52263 505021.98
3634625.90 1.35590
505071.98 3634625.90 1.20193 505121.98
3634625.90 1.09542
505171.98 3634625.90 0.92502 505221.98
3634625.90 0.84639
502221.98 3634675.90 0.86390 502271.98
3634675.90 0.91077
502321.98 3634675.90 0.96120 502371.98
3634675.90 1.01571
502421.98 3634675.90 1.07568 502471.98
3634675.90 1.14135
502521.98 3634675.90 1.21346 502571.98
3634675.90 1.29327
502621.98 3634675.90 1.38147 502671.98
3634675.90 1.47880
504771.98 3634675.90 2.04748 504821.98
3634675.90 1.90274
504871.98 3634675.90 1.75836 504921.98
3634675.90 1.64378
504971.98 3634675.90 1.52308 505021.98
3634675.90 1.33432
505071.98 3634675.90 1.14721 505121.98
3634675.90 1.05842
505171.98 3634675.90 0.92526 505221.98
3634675.90 0.84161
502221.98 3634725.90 0.85600 502271.98
3634725.90 0.90149
502321.98 3634725.90 0.94975 502371.98

3634725.90   1.00298
         502421.98   3634725.90   1.06196   502471.98
3634725.90   1.12573
         502521.98   3634725.90   1.19510   502571.98
3634725.90   1.27217
         502621.98   3634725.90   1.35667   502671.98
3634725.90   1.45062
         504771.98   3634725.90   1.96071   504821.98
3634725.90   1.83652
         504871.98   3634725.90   1.71848   504921.98
3634725.90   1.58155
         504971.98   3634725.90   1.42976   505021.98
3634725.90   1.21284
         505071.98   3634725.90   1.07766   505121.98
3634725.90   0.98938
         505171.98   3634725.90   0.87005   505221.98
3634725.90   0.81627
         502221.98   3634775.90   0.84727   502271.98
3634775.90   0.89145
         502321.98   3634775.90   0.93752   502371.98
3634775.90   0.98862
         502421.98   3634775.90   1.04442   502471.98
3634775.90   1.10581
         502521.98   3634775.90   1.17425   502571.98
3634775.90   1.24745

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502621.98   3634775.90   1.32820   502671.98

3634775.90 1.41750
504771.98 3634775.90 1.87523 504821.98
3634775.90 1.75870
504871.98 3634775.90 1.64582 504921.98
3634775.90 1.48717
504971.98 3634775.90 1.24618 505021.98
3634775.90 1.06677
505071.98 3634775.90 0.99942 505121.98
3634775.90 0.93390
505171.98 3634775.90 0.82083 505221.98
3634775.90 0.76414
502221.98 3634825.90 0.83648 502271.98
3634825.90 0.87902
502321.98 3634825.90 0.92455 502371.98
3634825.90 0.97406
502421.98 3634825.90 1.02724 502471.98
3634825.90 1.08475
502521.98 3634825.90 1.15049 502571.98
3634825.90 1.22068
502621.98 3634825.90 1.29727 502671.98
3634825.90 1.38129
504771.98 3634825.90 1.80905 504821.98
3634825.90 1.68667
504871.98 3634825.90 1.55669 504921.98
3634825.90 1.35084
504971.98 3634825.90 1.06730 505021.98
3634825.90 0.91112
505071.98 3634825.90 0.87660 505121.98
3634825.90 0.84106
505171.98 3634825.90 0.76236 505221.98
3634825.90 0.71608
502221.98 3634875.90 0.82435 502271.98
3634875.90 0.86488
502321.98 3634875.90 0.90884 502371.98
3634875.90 0.95659
502421.98 3634875.90 1.00816 502471.98
3634875.90 1.06408
502521.98 3634875.90 1.12491 502571.98
3634875.90 1.19129
502621.98 3634875.90 1.26386 502671.98
3634875.90 1.34333
504771.98 3634875.90 1.74049 504821.98
3634875.90 1.61370
504871.98 3634875.90 1.50386 504921.98
3634875.90 1.25996
504971.98 3634875.90 0.99327 505021.98
3634875.90 0.84797
505071.98 3634875.90 0.77363 505121.98
3634875.90 0.75600
505171.98 3634875.90 0.71177 505221.98

3634875.90   0.68380
         502221.98   3634925.90   0.81061   502271.98
3634925.90   0.84977
         502321.98   3634925.90   0.89207   502371.98
3634925.90   0.93764
         502421.98   3634925.90   0.98693   502471.98
3634925.90   1.03993
         502521.98   3634925.90   1.09786   502571.98
3634925.90   1.16065
         502621.98   3634925.90   1.22888   502671.98
3634925.90   1.30380
         504771.98   3634925.90   1.67199   504821.98
3634925.90   1.55099
         504871.98   3634925.90   1.46002   504921.98
3634925.90   1.25686
         504971.98   3634925.90   1.00140   505021.98
3634925.90   0.82367
         505071.98   3634925.90   0.73843   505121.98
3634925.90   0.71607
         505171.98   3634925.90   0.68172   505221.98
3634925.90   0.66043
         502221.98   3634975.90   0.79601   502271.98
3634975.90   0.83382
         502321.98   3634975.90   0.87408   502371.98
3634975.90   0.91763
         502421.98   3634975.90   0.96453   502471.98
3634975.90   1.01500
         502521.98   3634975.90   1.06986   502571.98
3634975.90   1.12903

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)

Y-COORD (M) CONC

- - - -

3635125.90   0.78195
         502321.98   3635125.90   0.81695   502371.98
3635125.90   0.85451
         502421.98   3635125.90   0.89469   502471.98
3635125.90   0.93774
         502521.98   3635125.90   0.98417   502571.98
3635125.90   1.03415
         502621.98   3635125.90   1.08793   502671.98
3635125.90   1.14588
         505021.98   3635125.90   1.05011   505071.98
3635125.90   0.97595
         505121.98   3635125.90   0.95936   505171.98
3635125.90   0.93277
         505221.98   3635125.90   0.84225   502221.98
3635175.90   0.73236
         502271.98   3635175.90   0.76405   502321.98
3635175.90   0.79735
         502371.98   3635175.90   0.83301   502421.98
3635175.90   0.87115
         502471.98   3635175.90   0.91198   502521.98
3635175.90   0.95580
         502571.98   3635175.90   1.00303   502621.98
3635175.90   1.05374
         502671.98   3635175.90   1.10793   505121.98
3635175.90   0.95327
         505171.98   3635175.90   0.91281   505221.98
3635175.90   0.87331
         502221.98   3635225.90   0.71595   502271.98
3635225.90   0.74605
         502321.98   3635225.90   0.77795   502371.98
3635225.90   0.81191
         502421.98   3635225.90   0.84815   502471.98
3635225.90   0.88688

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3635225.90	0.92837	502571.98	3635225.90	0.97277
502621.98	3635225.90	1.02011	502671.98	3635225.90	1.07074
502221.98	3635275.90	0.69935	502271.98	3635275.90	0.72836
502321.98	3635275.90	0.75858	502371.98	3635275.90	0.79087
502421.98	3635275.90	0.82535	502471.98	3635275.90	0.86201
502521.98	3635275.90	0.90083	502571.98	3635275.90	0.94277
502621.98	3635275.90	0.98708	502671.98	3635275.90	1.03402
502221.98	3635325.90	0.70124	502271.98	3635325.90	0.71086
502321.98	3635325.90	0.73969	502371.98	3635325.90	0.77030
502421.98	3635325.90	0.80543	502471.98	3635325.90	0.83678
502521.98	3635325.90	0.87132	502571.98	3635325.90	0.91343
502621.98	3635325.90	0.95464	502671.98	3635325.90	0.99808
502221.98	3635375.90	0.67970	502271.98	3635375.90	0.69370
502321.98	3635375.90	0.72352	502371.98	3635375.90	0.75241
502421.98	3635375.90	0.77906	502471.98	3635375.90	0.80685
502521.98	3635375.90	0.84052	502571.98	3635375.90	0.88464
502621.98	3635375.90	0.92290	502671.98	3635375.90	0.96315
502221.98	3635425.90	0.66061	502271.98	3635425.90	0.67690
502321.98	3635425.90	0.70328	502371.98	3635425.90	0.72728
502421.98	3635425.90	0.75233	502471.98	3635425.90	0.77844
502521.98	3635425.90	0.80843	502571.98	3635425.90	0.84167
502621.98	3635425.90	0.87671	502671.98		

3635425.90   0.91446
         504771.98   3635425.90   1.08841   502221.98
3635475.90   0.63952
         502271.98   3635475.90   0.65933   502321.98
3635475.90   0.68056
         502371.98   3635475.90   0.70297   502421.98
3635475.90   0.72666
         502471.98   3635475.90   0.74955   502521.98
3635475.90   0.78136
         502571.98   3635475.90   0.81283   502621.98
3635475.90   0.84616
         502671.98   3635475.90   0.87691   504771.98
3635475.90   1.07178
         504821.98   3635475.90   1.02594   504871.98
3635475.90   0.98737
         504921.98   3635475.90   0.94415   502221.98
3635525.90   0.61807
         502271.98   3635525.90   0.63825   502321.98
3635525.90   0.65842
         502371.98   3635525.90   0.68052   502421.98
3635525.90   0.70308
         502471.98   3635525.90   0.72678   502521.98
3635525.90   0.75533
         502571.98   3635525.90   0.78376   502621.98
3635525.90   0.81223
         502671.98   3635525.90   0.84051   502721.98
3635525.90   0.87117
         502771.98   3635525.90   0.90527   502821.98
3635525.90   0.94088
         502871.98   3635525.90   0.97853   502921.98
3635525.90   1.01530
         502971.98   3635525.90   1.05209   503021.98
3635525.90   1.08856
         503071.98   3635525.90   1.12664   503121.98
3635525.90   1.17838
         503171.98   3635525.90   1.21347   503221.98
3635525.90   1.22662

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503271.98	3635525.90	1.26025	503321.98	3635525.90	1.29492
503371.98	3635525.90	1.33154	503421.98	3635525.90	1.36680
503471.98	3635525.90	1.41131	503521.98	3635525.90	1.44604
503571.98	3635525.90	1.45168	503621.98	3635525.90	1.45597
503671.98	3635525.90	1.46926	503721.98	3635525.90	1.48436
503771.98	3635525.90	1.50224	503821.98	3635525.90	1.51749
503871.98	3635525.90	1.51851	503921.98	3635525.90	1.54227
503971.98	3635525.90	1.56507	504021.98	3635525.90	1.52233
504071.98	3635525.90	1.44440	504121.98	3635525.90	1.42378
504171.98	3635525.90	1.39960	504221.98	3635525.90	1.37362
504271.98	3635525.90	1.34354	504321.98	3635525.90	1.31206
504371.98	3635525.90	1.27918	504421.98	3635525.90	1.24505
504471.98	3635525.90	1.21035	504521.98	3635525.90	1.17491
504571.98	3635525.90	1.13859	504621.98	3635525.90	1.10269
504671.98	3635525.90	1.06694	504721.98	3635525.90	1.06889
504771.98	3635525.90	1.03115	504821.98	3635525.90	0.99663
504871.98	3635525.90	0.95983	504921.98	3635525.90	0.91277
504971.98	3635525.90	0.87996	505021.98	3635525.90	0.85041
505071.98	3635525.90	0.81445	505121.98	3635525.90	0.78000
505171.98	3635525.90	0.74771	505221.98		

3635525.90   0.71747
         502221.98   3635575.90   0.59312   502271.98
3635575.90   0.61774
         502321.98   3635575.90   0.63806   502371.98
3635575.90   0.65847
         502421.98   3635575.90   0.67995   502471.98
3635575.90   0.70425
         502521.98   3635575.90   0.73115   502571.98
3635575.90   0.75746
         502621.98   3635575.90   0.78299   502671.98
3635575.90   0.80883
         502721.98   3635575.90   0.83745   502771.98
3635575.90   0.87024
         502821.98   3635575.90   0.90299   502871.98
3635575.90   0.93612
         502921.98   3635575.90   0.96927   502971.98
3635575.90   1.00114
         503021.98   3635575.90   1.03328   503071.98
3635575.90   1.06726
         503121.98   3635575.90   1.11559   503171.98
3635575.90   1.14659
         503221.98   3635575.90   1.16101   503271.98
3635575.90   1.19634
         503321.98   3635575.90   1.22995   503371.98
3635575.90   1.26751
         503421.98   3635575.90   1.30315   503471.98
3635575.90   1.34616
         503521.98   3635575.90   1.37825   503571.98
3635575.90   1.38186
         503621.98   3635575.90   1.37076   503671.98
3635575.90   1.37949
         503721.98   3635575.90   1.39059   503771.98
3635575.90   1.40024
         503821.98   3635575.90   1.40652   503871.98
3635575.90   1.42010
         503921.98   3635575.90   1.43581   503971.98
3635575.90   1.45492
         504021.98   3635575.90   1.36348   504071.98
3635575.90   1.34862
         504121.98   3635575.90   1.33056   504171.98
3635575.90   1.30980

VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 ,
L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504221.98	3635575.90	1.28683	504271.98	3635575.90	1.26197
504321.98	3635575.90	1.23434	504371.98	3635575.90	1.20526
504421.98	3635575.90	1.17516	504471.98	3635575.90	1.14471
504521.98	3635575.90	1.11316	504571.98	3635575.90	1.08166
504621.98	3635575.90	1.04920	504671.98	3635575.90	1.01736
504721.98	3635575.90	1.00174	504771.98	3635575.90	0.98743
504821.98	3635575.90	0.96012	504871.98	3635575.90	0.92341
504921.98	3635575.90	0.87203	504971.98	3635575.90	0.85457
505021.98	3635575.90	0.82631	505071.98	3635575.90	0.79439
505121.98	3635575.90	0.77018	505171.98	3635575.90	0.73028
505221.98	3635575.90	0.70548	502221.98	3635625.90	0.56771
502271.98	3635625.90	0.59419	502321.98	3635625.90	0.61580
502371.98	3635625.90	0.63822	502421.98	3635625.90	0.65351
502471.98	3635625.90	0.67468	502521.98	3635625.90	0.69818
502571.98	3635625.90	0.72929	502621.98	3635625.90	0.75678
502671.98	3635625.90	0.77995	502721.98	3635625.90	0.80548
502771.98	3635625.90	0.83403	502821.98	3635625.90	0.86278
502871.98	3635625.90	0.89211	502921.98		

```
3635625.90        0.92170
         502971.98    3635625.90        0.95143                    503021.98
3635625.90        0.98167
         503071.98    3635625.90        1.01273                    503121.98
3635625.90        1.04420
         503171.98    3635625.90        1.07620                    503221.98
3635625.90        1.10877
         503271.98    3635625.90        1.13978                    503321.98
3635625.90        1.17152
         503371.98    3635625.90        1.20202                    503421.98
3635625.90        1.23522
         503471.98    3635625.90        1.27722                    503521.98
3635625.90        1.30932
         503571.98    3635625.90        1.31591                    503621.98
3635625.90        1.30682
         503671.98    3635625.90        1.31337                    503721.98
3635625.90        1.32032
         503771.98    3635625.90        1.32628                    503821.98
3635625.90        1.32732
         503871.98    3635625.90        1.31964                    503921.98
3635625.90        1.33606
         503971.98    3635625.90        1.34885                    504021.98
3635625.90        1.27485
         504071.98    3635625.90        1.26224                    504121.98
3635625.90        1.24669
         504171.98    3635625.90        1.22879                    504221.98
3635625.90        1.20850
         504271.98    3635625.90        1.18652                    504321.98
3635625.90        1.16332
         504371.98    3635625.90        1.13783                    504421.98
3635625.90        1.11103
         504471.98    3635625.90        1.08392                    504521.98
3635625.90        1.05605
         504571.98    3635625.90        1.02808                    504621.98
3635625.90        0.99942
         504671.98    3635625.90        0.97092                    504721.98
3635625.90        0.94222
         504771.98    3635625.90        0.94609                    504821.98
3635625.90        0.92142
         504871.98    3635625.90        0.88884                    504921.98
3635625.90        0.83090
         504971.98    3635625.90        0.83007                    505021.98
3635625.90        0.78448
         505071.98    3635625.90        0.75675                    505121.98
3635625.90        0.74447
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505171.98	3635625.90	0.71320	505221.98	3635625.90	0.68494
502221.98	3635675.90	0.54365	502271.98	3635675.90	0.57018
502321.98	3635675.90	0.58999	502371.98	3635675.90	0.61192
502421.98	3635675.90	0.63017	502471.98	3635675.90	0.65175
502521.98	3635675.90	0.67460	502571.98	3635675.90	0.70112
502621.98	3635675.90	0.72723	502671.98	3635675.90	0.75210
502721.98	3635675.90	0.77490	502771.98	3635675.90	0.79696
502821.98	3635675.90	0.82445	502871.98	3635675.90	0.85201
502921.98	3635675.90	0.87591	502971.98	3635675.90	0.90693
503021.98	3635675.90	0.93419	503071.98	3635675.90	0.96384
503121.98	3635675.90	0.99252	503171.98	3635675.90	1.02126
503221.98	3635675.90	1.05269	503271.98	3635675.90	1.08194
503321.98	3635675.90	1.11147	503371.98	3635675.90	1.14338
503421.98	3635675.90	1.17539	503471.98	3635675.90	1.20787
503521.98	3635675.90	1.23767	503571.98	3635675.90	1.24738
503621.98	3635675.90	1.24428	503671.98		

```
3635675.90        1.24278
         503721.98    3635675.90        1.25611                      503771.98
3635675.90        1.26193
         503821.98    3635675.90        1.25510                      503871.98
3635675.90        1.24705
         503921.98    3635675.90        1.26794                      503971.98
3635675.90        1.27099
         504021.98    3635675.90        1.23313                      504071.98
3635675.90        1.18399
         504121.98    3635675.90        1.17086                      504171.98
3635675.90        1.15538
         504221.98    3635675.90        1.13784                      504271.98
3635675.90        1.11842
         504321.98    3635675.90        1.09772                      504371.98
3635675.90        1.07578
         504421.98    3635675.90        1.05234                      504471.98
3635675.90        1.02773
         504521.98    3635675.90        1.00262                      504571.98
3635675.90        0.97791
         504621.98    3635675.90        0.95206                      504671.98
3635675.90        0.92681
         504721.98    3635675.90        0.90127                      504771.98
3635675.90        0.92377
         504821.98    3635675.90        0.88396                      504871.98
3635675.90        0.85510
         504921.98    3635675.90        0.80242                      504971.98
3635675.90        0.80454
         505021.98    3635675.90        0.77342                      505071.98
3635675.90        0.73764
         505121.98    3635675.90        0.72630                      505171.98
3635675.90        0.69886
         505221.98    3635675.90        0.67030                      502221.98
3635725.90        0.52277
         502271.98    3635725.90        0.55056                      502321.98
3635725.90        0.57201
         502371.98    3635725.90        0.59419                      502421.98
3635725.90        0.61049
         502471.98    3635725.90        0.63112                      502521.98
3635725.90        0.65064
         502571.98    3635725.90        0.67789                      502621.98
3635725.90        0.70292
         502671.98    3635725.90        0.72431                      502721.98
3635725.90        0.74645
         502771.98    3635725.90        0.76814                      502821.98
3635725.90        0.79241
         502871.98    3635725.90        0.81768                      502921.98
3635725.90        0.83678
         502971.98    3635725.90        0.86300                      503021.98
3635725.90        0.88529
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635725.90 0.99773
504471.98 3635725.90 0.97573 504521.98
3635725.90 0.98687
504571.98 3635725.90 0.93105 504621.98
3635725.90 0.90808
504671.98 3635725.90 0.90776 504721.98
3635725.90 0.86232
504771.98 3635725.90 0.83931 504821.98
3635725.90 0.83697
504871.98 3635725.90 0.79338 504921.98
3635725.90 0.77075
504971.98 3635725.90 0.77839 505021.98
3635725.90 0.75724
505071.98 3635725.90 0.72456 505121.98
3635725.90 0.70863
505171.98 3635725.90 0.68300 505221.98
3635725.90 0.65655
502221.98 3635775.90 0.50570 502271.98
3635775.90 0.53469
502321.98 3635775.90 0.55447 502371.98
3635775.90 0.57596
502421.98 3635775.90 0.59197 502471.98
3635775.90 0.61075
502521.98 3635775.90 0.62992 502571.98
3635775.90 0.65203
502621.98 3635775.90 0.67410 502671.98
3635775.90 0.69593
502721.98 3635775.90 0.72010 502771.98
3635775.90 0.74229
502821.98 3635775.90 0.76406 502871.98
3635775.90 0.78607
502921.98 3635775.90 0.80362 502971.98
3635775.90 0.82740
503021.98 3635775.90 0.84268 503071.98
3635775.90 0.86773
503121.98 3635775.90 0.89094 503171.98
3635775.90 0.91814
503221.98 3635775.90 0.90862 503271.98
3635775.90 0.91246
503321.98 3635775.90 0.95241 503371.98
3635775.90 1.01206
503421.98 3635775.90 1.05441 503471.98
3635775.90 1.08363
503521.98 3635775.90 1.10543 503571.98
3635775.90 1.12713
503621.98 3635775.90 1.13921 503671.98
3635775.90 1.12995
503721.98 3635775.90 1.12278 503771.98
3635775.90 1.12950
503821.98 3635775.90 1.12692 503871.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635775.90 0.66585
505221.98 3635775.90 0.64329 502221.98
3635825.90 0.49054
502271.98 3635825.90 0.51904 502321.98
3635825.90 0.53839
502371.98 3635825.90 0.55909 502421.98
3635825.90 0.57388
502471.98 3635825.90 0.59213 502521.98
3635825.90 0.60996
502571.98 3635825.90 0.63103 502621.98
3635825.90 0.65199
502671.98 3635825.90 0.67287 502721.98
3635825.90 0.69388
502771.98 3635825.90 0.71547 502821.98
3635825.90 0.73598
502871.98 3635825.90 0.75634 502921.98
3635825.90 0.77219
502971.98 3635825.90 0.79439 503021.98
3635825.90 0.80051
503071.98 3635825.90 0.81636 503121.98
3635825.90 0.84138
503171.98 3635825.90 0.86819 503221.98
3635825.90 0.84505
503271.98 3635825.90 0.85917 503321.98
3635825.90 0.89576
503371.98 3635825.90 0.96002 503421.98
3635825.90 0.99687
503471.98 3635825.90 1.02707 503521.98
3635825.90 1.01380
503571.98 3635825.90 1.04581 503621.98
3635825.90 1.08225
503671.98 3635825.90 1.08858 503721.98
3635825.90 1.07966
503771.98 3635825.90 1.07098 503821.98
3635825.90 1.07458
503871.98 3635825.90 1.08026 503921.98
3635825.90 1.09581
503971.98 3635825.90 1.11091 504021.98
3635825.90 1.07842
504071.98 3635825.90 1.11226 504121.98
3635825.90 1.10954
504171.98 3635825.90 1.07515 504221.98
3635825.90 1.06622
504271.98 3635825.90 1.07083 504321.98
3635825.90 1.03281
504371.98 3635825.90 0.99174 504421.98
3635825.90 0.96379
504471.98 3635825.90 0.95042 504521.98
3635825.90 0.93718
504571.98 3635825.90 0.89969 504621.98

3635825.90   0.87649
         504671.98   3635825.90   0.83818   504721.98
3635825.90   0.79101
         504771.98   3635825.90   0.77205   504821.98
3635825.90   0.76683
         504871.98   3635825.90   0.75986   504921.98
3635825.90   0.73624

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                              INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3635875.90 0.72786
502921.98 3635875.90 0.73819 502971.98
3635875.90 0.75912
503021.98 3635875.90 0.76182 503071.98
3635875.90 0.77666
503121.98 3635875.90 0.79776 503171.98
3635875.90 0.82280
503221.98 3635875.90 0.83040 503271.98
3635875.90 0.83418
503321.98 3635875.90 0.88070 503371.98
3635875.90 0.90999
503421.98 3635875.90 0.94596 503471.98
3635875.90 0.96832
503521.98 3635875.90 0.90653 503571.98
3635875.90 0.98655
503621.98 3635875.90 1.02766 503671.98
3635875.90 1.03050
503721.98 3635875.90 1.02515 503771.98
3635875.90 1.02091
503821.98 3635875.90 1.02606 503871.98
3635875.90 1.04020
503921.98 3635875.90 1.04536 503971.98
3635875.90 1.05396
504021.98 3635875.90 1.04351 504071.98
3635875.90 1.06789
504121.98 3635875.90 1.06678 504171.98
3635875.90 1.05354
504221.98 3635875.90 1.05766 504271.98
3635875.90 1.05227
504321.98 3635875.90 1.01761 504371.98
3635875.90 0.98696
504421.98 3635875.90 0.96497 504471.98
3635875.90 0.92557
504521.98 3635875.90 0.90046 504571.98
3635875.90 0.87492
504621.98 3635875.90 0.84943 504671.98
3635875.90 0.82139
504721.98 3635875.90 0.75837 504771.98
3635875.90 0.74109
504821.98 3635875.90 0.74417 504871.98
3635875.90 0.72836
504921.98 3635875.90 0.71347 504971.98
3635875.90 0.70355
505021.98 3635875.90 0.68211 505071.98
3635875.90 0.66287
505121.98 3635875.90 0.64844 505171.98
3635875.90 0.63154
505221.98 3635875.90 0.61504 502221.98
3635925.90 0.46375
502271.98 3635925.90 0.49006 502321.98

```
3635925.90        0.50815
         502371.98    3635925.90        0.52723                      502421.98
3635925.90        0.54084
         502471.98    3635925.90        0.55697                      502521.98
3635925.90        0.57090
         502571.98    3635925.90        0.58956                      502621.98
3635925.90        0.60763
         502671.98    3635925.90        0.62682                      502721.98
3635925.90        0.64646
         502771.98    3635925.90        0.66557                      502821.98
3635925.90        0.68288
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 252
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS    ***
                                  INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                 L0000924    , L0000925    , L0000926    , L0000927    ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502871.98    3635925.90        0.70075                      502921.98
3635925.90        0.70869
         502971.98    3635925.90        0.72583                      503021.98
3635925.90        0.72839
         503071.98    3635925.90        0.73981                      503121.98
3635925.90        0.75880
         503171.98    3635925.90        0.77649                      503221.98
3635925.90        0.78757
         503271.98    3635925.90        0.80762                      503321.98
3635925.90        0.83913
         503371.98    3635925.90        0.87032                      503421.98
3635925.90        0.89825
         503471.98    3635925.90        0.89051                      503521.98
3635925.90        0.86370
         503571.98    3635925.90        0.92739                      503621.98
```

3635925.90 0.97742
503671.98 3635925.90 0.97998 503721.98 3635925.90 0.98094
503771.98 3635925.90 0.98272 503821.98 3635925.90 0.98259
503871.98 3635925.90 0.98225 503921.98 3635925.90 0.99025
503971.98 3635925.90 1.00204 504021.98 3635925.90 1.00300
504071.98 3635925.90 1.01371 504121.98 3635925.90 1.02198
504171.98 3635925.90 1.02665 504221.98 3635925.90 1.03383
504271.98 3635925.90 1.01817 504321.98 3635925.90 0.99398
504371.98 3635925.90 0.97927 504421.98 3635925.90 0.96225
504471.98 3635925.90 0.93290 504521.98 3635925.90 0.89499
504571.98 3635925.90 0.85519 504621.98 3635925.90 0.81536
504671.98 3635925.90 0.79753 504721.98 3635925.90 0.77084
504771.98 3635925.90 0.74420 504821.98 3635925.90 0.69603
504871.98 3635925.90 0.69319 504921.98 3635925.90 0.68218
504971.98 3635925.90 0.68183 505021.98 3635925.90 0.66871
505071.98 3635925.90 0.65258 505121.98 3635925.90 0.63114
505171.98 3635925.90 0.61409 505221.98 3635925.90 0.60615
502221.98 3635975.90 0.44731 502271.98 3635975.90 0.47189
502321.98 3635975.90 0.48988 502371.98 3635975.90 0.51070
502421.98 3635975.90 0.52401 502471.98 3635975.90 0.53993
502521.98 3635975.90 0.55381 502571.98 3635975.90 0.57335
502621.98 3635975.90 0.59006 502671.98 3635975.90 0.60661
502721.98 3635975.90 0.62458 502771.98 3635975.90 0.64203
502821.98 3635975.90 0.65781 502871.98 3635975.90 0.67501
502921.98 3635975.90 0.68235 502971.98 3635975.90 0.69835
503021.98 3635975.90 0.69927 503071.98

```
3635975.90        0.71332
         503121.98    3635975.90        0.72500                      503171.98
3635975.90        0.73996
         503221.98    3635975.90        0.75442                      503271.98
3635975.90        0.77896
         503321.98    3635975.90        0.80491                      503371.98
3635975.90        0.83932
         503421.98    3635975.90        0.83442                      503471.98
3635975.90        0.83029
         503521.98    3635975.90        0.85881                      503571.98
3635975.90        0.91421
         503621.98    3635975.90        0.92985                      503671.98
3635975.90        0.93567
         503721.98    3635975.90        0.93815                      503771.98
3635975.90        0.93946
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 253
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS    ***
                                  INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                 L0000924    , L0000925    , L0000926    , L0000927    ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         503821.98    3635975.90        0.93828                      503871.98
3635975.90        0.93480
         503921.98    3635975.90        0.94103                      503971.98
3635975.90        0.95132
         504021.98    3635975.90        0.96335                      504071.98
3635975.90        0.97587
         504121.98    3635975.90        0.98572                      504171.98
3635975.90        0.99373
         504221.98    3635975.90        0.99608                      504271.98
3635975.90        0.98543
         504321.98    3635975.90        0.97548                      504371.98
```

3635975.90 0.96769
504421.98 3635975.90 0.95128 504471.98
3635975.90 0.92266
504521.98 3635975.90 0.89893 504571.98
3635975.90 0.86999
504621.98 3635975.90 0.84668 504671.98
3635975.90 0.80651
504721.98 3635975.90 0.77678 504771.98
3635975.90 0.74265
504821.98 3635975.90 0.70854 504871.98
3635975.90 0.68454
504921.98 3635975.90 0.66464 504971.98
3635975.90 0.65966
505021.98 3635975.90 0.64760 505071.98
3635975.90 0.63367
505121.98 3635975.90 0.61640 505171.98
3635975.90 0.60074
505221.98 3635975.90 0.58218 501721.98
3632475.90 0.32700
501821.98 3632475.90 0.34127 501921.98
3632475.90 0.35623
502021.98 3632475.90 0.37189 502121.98
3632475.90 0.38816
502221.98 3632475.90 0.40508 502321.98
3632475.90 0.42262
502421.98 3632475.90 0.44057 502521.98
3632475.90 0.45886
502621.98 3632475.90 0.47720 502721.98
3632475.90 0.49547
502821.98 3632475.90 0.51354 502921.98
3632475.90 0.47691
503021.98 3632475.90 0.46834 503121.98
3632475.90 0.44957
503221.98 3632475.90 0.47025 503321.98
3632475.90 0.44151
503421.98 3632475.90 0.42828 503721.98
3632475.90 0.40550
503821.98 3632475.90 0.37282 503921.98
3632475.90 0.34243
504021.98 3632475.90 0.31792 504121.98
3632475.90 0.31207
504221.98 3632475.90 0.29286 504321.98
3632475.90 0.28481
504421.98 3632475.90 0.30416 504521.98
3632475.90 0.32491
504621.98 3632475.90 0.28261 504721.98
3632475.90 0.26889
504821.98 3632475.90 0.27083 504921.98
3632475.90 0.26667
505021.98 3632475.90 0.25846 505121.98

```
3632475.90        0.26332
         505221.98    3632475.90        0.25711                        505321.98
3632475.90        0.25402
         505421.98    3632475.90        0.25372                        505521.98
3632475.90        0.25548
         505621.98    3632475.90        0.26461                        505721.98
3632475.90        0.27622
         501721.98    3632575.90        0.34022                        501821.98
3632575.90        0.35580
         501921.98    3632575.90        0.37221                        502021.98
3632575.90        0.38948
         502121.98    3632575.90        0.40756                        502221.98
3632575.90        0.42646
         502321.98    3632575.90        0.44611                        502421.98
3632575.90        0.46641
         502521.98    3632575.90        0.48721                        502621.98
3632575.90        0.50835
         502721.98    3632575.90        0.52945                        502821.98
3632575.90        0.55053
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 254
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS    ***
                                  INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                 L0000924    , L0000925    , L0000926    , L0000927    ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502921.98    3632575.90        0.53654                        503021.98
3632575.90        0.51406
         503121.98    3632575.90        0.51055                        503221.98
3632575.90        0.50276
         503321.98    3632575.90        0.48137                        503421.98
3632575.90        0.45800
         503721.98    3632575.90        0.41683                        503821.98
```

3632575.90 0.38097
503921.98 3632575.90 0.30271 504021.98
3632575.90 0.28637
504121.98 3632575.90 0.28584 504221.98
3632575.90 0.28440
504321.98 3632575.90 0.27828 504421.98
3632575.90 0.28674
504521.98 3632575.90 0.31629 504621.98
3632575.90 0.30440
504721.98 3632575.90 0.28037 504821.98
3632575.90 0.28551
504921.98 3632575.90 0.27985 505021.98
3632575.90 0.27471
505121.98 3632575.90 0.28062 505221.98
3632575.90 0.27912
505321.98 3632575.90 0.27691 505421.98
3632575.90 0.27956
505521.98 3632575.90 0.28548 505621.98
3632575.90 0.29478
505721.98 3632575.90 0.29732 501721.98
3632675.90 0.35392
501821.98 3632675.90 0.37091 501921.98
3632675.90 0.38892
502021.98 3632675.90 0.40801 502121.98
3632675.90 0.42805
502221.98 3632675.90 0.44908 502321.98
3632675.90 0.47121
502421.98 3632675.90 0.49421 502521.98
3632675.90 0.51796
502621.98 3632675.90 0.54225 502721.98
3632675.90 0.56685
502821.98 3632675.90 0.53268 502921.98
3632675.90 0.51420
503021.98 3632675.90 0.50596 503721.98
3632675.90 0.44688
503821.98 3632675.90 0.41930 503921.98
3632675.90 0.37732
504021.98 3632675.90 0.32900 504121.98
3632675.90 0.30965
504221.98 3632675.90 0.30210 504321.98
3632675.90 0.29928
504421.98 3632675.90 0.30398 504521.98
3632675.90 0.31018
504621.98 3632675.90 0.30733 504721.98
3632675.90 0.30501
504821.98 3632675.90 0.30650 504921.98
3632675.90 0.30243
505021.98 3632675.90 0.30224 505121.98
3632675.90 0.30377
505221.98 3632675.90 0.30262 505321.98

```
3632675.90        0.30081
         505421.98    3632675.90        0.30978                       505521.98
3632675.90        0.32079
         505621.98    3632675.90        0.32193                       505721.98
3632675.90        0.31262
         502421.98    3632775.90        0.52359                       502521.98
3632775.90        0.48740
         502621.98    3632775.90        0.52172                       502721.98
3632775.90        0.60787
         502821.98    3632775.90        0.54853                       502921.98
3632775.90        0.45533
         503021.98    3632775.90        0.41750                       503121.98
3632775.90        0.46738
         503221.98    3632775.90        0.51500                       503621.98
3632775.90        0.51440
         503721.98    3632775.90        0.49294                       503821.98
3632775.90        0.43320
         503921.98    3632775.90        0.42340                       504021.98
3632775.90        0.40804
         504121.98    3632775.90        0.36883                       504221.98
3632775.90        0.34163
         504321.98    3632775.90        0.32933                       504421.98
3632775.90        0.32956
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 255
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS    ***
                                 INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                L0000924    , L0000925    , L0000926    , L0000927    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         504521.98    3632775.90        0.33006                       504621.98
3632775.90        0.32992
         504721.98    3632775.90        0.33190                       504821.98
```

3632775.90 0.33029
504921.98 3632775.90 0.33278 505021.98
3632775.90 0.33332
505121.98 3632775.90 0.33228 505221.98
3632775.90 0.33003
505321.98 3632775.90 0.33575 505421.98
3632775.90 0.34663
505521.98 3632775.90 0.35168 505621.98
3632775.90 0.35063
505721.98 3632775.90 0.34264 501721.98
3632875.90 0.38274
501821.98 3632875.90 0.40302 501921.98
3632875.90 0.42466
502021.98 3632875.90 0.44771 502121.98
3632875.90 0.47238
502221.98 3632875.90 0.49845 502321.98
3632875.90 0.52636
502421.98 3632875.90 0.55605 502521.98
3632875.90 0.58716
502621.98 3632875.90 0.61961 502721.98
3632875.90 0.65297
502821.98 3632875.90 0.59322 502921.98
3632875.90 0.45468
503021.98 3632875.90 0.33350 503121.98
3632875.90 0.42078
503221.98 3632875.90 0.59586 503321.98
3632875.90 0.62188
503421.98 3632875.90 0.61606 503621.98
3632875.90 0.56309
503721.98 3632875.90 0.53407 503821.98
3632875.90 0.46079
503921.98 3632875.90 0.39846 504021.98
3632875.90 0.39365
504121.98 3632875.90 0.38708 504221.98
3632875.90 0.36914
504321.98 3632875.90 0.36373 504421.98
3632875.90 0.35935
504521.98 3632875.90 0.35898 504621.98
3632875.90 0.36132
504721.98 3632875.90 0.36393 504821.98
3632875.90 0.36491
504921.98 3632875.90 0.36853 505021.98
3632875.90 0.36842
505121.98 3632875.90 0.36580 505221.98
3632875.90 0.37062
505321.98 3632875.90 0.37993 505421.98
3632875.90 0.38625
505521.98 3632875.90 0.38219 505621.98
3632875.90 0.38259
505721.98 3632875.90 0.37075 501721.98

```
3632975.90        0.39748
         501821.98    3632975.90        0.41965                      501921.98
3632975.90        0.44343
         502021.98    3632975.90        0.46897                      502121.98
3632975.90        0.49627
         505321.98    3632975.90        0.42763                      505421.98
3632975.90        0.42484
         505521.98    3632975.90        0.42480                      505621.98
3632975.90        0.41660
         505721.98    3632975.90        0.40001                      501721.98
3633075.90        0.41227
         501821.98    3633075.90        0.43636                      501921.98
3633075.90        0.46254
         502021.98    3633075.90        0.49069                      502121.98
3633075.90        0.52116
         505321.98    3633075.90        0.47137                      505421.98
3633075.90        0.47303
         505521.98    3633075.90        0.46816                      505621.98
3633075.90        0.45299
         505721.98    3633075.90        0.42638                      501721.98
3633175.90        0.42710
         501821.98    3633175.90        0.45331                      501921.98
3633175.90        0.48179
         502021.98    3633175.90        0.51292                      502121.98
3633175.90        0.54624
         505321.98    3633175.90        0.52315                      505421.98
3633175.90        0.51383
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 256
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS    ***
                                   INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                 L0000924    , L0000925    , L0000926    , L0000927    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- -
505521.98 3633175.90 0.50514 505621.98 3633175.90 0.48947
505721.98 3633175.90 0.45606 501721.98 3633275.90 0.44186
501821.98 3633275.90 0.47044 501921.98 3633275.90 0.50147
502021.98 3633275.90 0.53557 502121.98 3633275.90 0.57245
505321.98 3633275.90 0.57886 505421.98 3633275.90 0.55094
505521.98 3633275.90 0.53766 505621.98 3633275.90 0.52591
505721.98 3633275.90 0.49447 501721.98 3633375.90 0.45637
501821.98 3633375.90 0.48707 501921.98 3633375.90 0.52074
502021.98 3633375.90 0.55793 502121.98 3633375.90 0.59900
505321.98 3633375.90 0.63680 505421.98 3633375.90 0.58950
505521.98 3633375.90 0.56727 505621.98 3633375.90 0.55765
505721.98 3633375.90 0.52207 501721.98 3633475.90 0.47071
501821.98 3633475.90 0.50366 501921.98 3633475.90 0.54028
502021.98 3633475.90 0.58073 502121.98 3633475.90 0.62525
505321.98 3633475.90 0.68917 505421.98 3633475.90 0.63285
505521.98 3633475.90 0.59663 505621.98 3633475.90 0.55773
505721.98 3633475.90 0.52236 501721.98 3633575.90 0.48458
501821.98 3633575.90 0.51985 501921.98 3633575.90 0.55896
502021.98 3633575.90 0.60254 502121.98 3633575.90 0.65250
505321.98 3633575.90 0.72442 505421.98 3633575.90 0.63792
505521.98 3633575.90 0.58959 505621.98 3633575.90 0.56041
505721.98 3633575.90 0.53462 501721.98 3633675.90 0.49790
501821.98 3633675.90 0.53505 501921.98 3633675.90 0.57705
502021.98 3633675.90 0.62428 502121.98 3633675.90 0.67797
505321.98 3633675.90 0.71008 505421.98

```
3633675.90        0.62687
         505521.98    3633675.90        0.59594                          505621.98
3633675.90        0.57669
         505721.98    3633675.90        0.56187                          501721.98
3633775.90        0.51040
         501821.98    3633775.90        0.54969                          501921.98
3633775.90        0.59404
         502021.98    3633775.90        0.64425                          502121.98
3633775.90        0.70113
         505321.98    3633775.90        0.73576                          505421.98
3633775.90        0.67226
         505521.98    3633775.90        0.62097                          505621.98
3633775.90        0.58867
         505721.98    3633775.90        0.56445                          501721.98
3633875.90        0.52163
         501821.98    3633875.90        0.56333                          501921.98
3633875.90        0.60891
         502021.98    3633875.90        0.66297                          502121.98
3633875.90        0.72345
         505321.98    3633875.90        0.75805                          505421.98
3633875.90        0.68451
         505521.98    3633875.90        0.61259                          505621.98
3633875.90        0.55289
         505721.98    3633875.90        0.52702                          501721.98
3633975.90        0.53163
         501821.98    3633975.90        0.57478                          501921.98
3633975.90        0.62373
         502021.98    3633975.90        0.67935                          502121.98
3633975.90        0.74394
         505321.98    3633975.90        0.70078                          505421.98
3633975.90        0.62621
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 257
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS    ***
                                 INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                L0000924    , L0000925    , L0000926    , L0000927    ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633975.90	0.56324	505621.98	3633975.90	0.51599
505721.98	3633975.90	0.49220	501721.98	3634075.90	0.53988
501821.98	3634075.90	0.58465	501921.98	3634075.90	0.63549
502021.98	3634075.90	0.69358	502121.98	3634075.90	0.76048
505321.98	3634075.90	0.64138	505421.98	3634075.90	0.59427
505521.98	3634075.90	0.57214	505621.98	3634075.90	0.54006
505721.98	3634075.90	0.48946	501721.98	3634175.90	0.54537
501821.98	3634175.90	0.59206	501921.98	3634175.90	0.64459
502021.98	3634175.90	0.70268	502121.98	3634175.90	0.77286
505321.98	3634175.90	0.69557	505421.98	3634175.90	0.65288
505521.98	3634175.90	0.61335	505621.98	3634175.90	0.53416
505721.98	3634175.90	0.47146	501721.98	3634275.90	0.54967
501821.98	3634275.90	0.59603	501921.98	3634275.90	0.64896
502021.98	3634275.90	0.70944	502121.98	3634275.90	0.78007
505321.98	3634275.90	0.75571	505421.98	3634275.90	0.70200
505521.98	3634275.90	0.57040	505621.98	3634275.90	0.50853
505721.98	3634275.90	0.44922	501721.98	3634375.90	0.55373
501821.98	3634375.90	0.60139	501921.98	3634375.90	0.65402
502021.98	3634375.90	0.71537	502121.98	3634375.90	0.78840
505321.98	3634375.90	0.79997	505421.98	3634375.90	0.71768
505521.98	3634375.90	0.55827	505621.98	3634375.90	0.48672
505721.98	3634375.90	0.44394	501721.98	3634475.90	0.55562
501821.98	3634475.90	0.60344	501921.98		

3634475.90   0.65773
         502021.98   3634475.90   0.72084   502121.98
3634475.90   0.79260
         505321.98   3634475.90   0.80713   505421.98
3634475.90   0.84210
         505521.98   3634475.90   0.66671   505621.98
3634475.90   0.54554
         505721.98   3634475.90   0.46199   501721.98
3634575.90   0.55493
         501821.98   3634575.90   0.60187   501921.98
3634575.90   0.65563
         502021.98   3634575.90   0.71807   502121.98
3634575.90   0.79052
         505321.98   3634575.90   0.78401   505421.98
3634575.90   0.87707
         505521.98   3634575.90   0.76849   505621.98
3634575.90   0.58012
         505721.98   3634575.90   0.48043   501721.98
3634675.90   0.55240
         501821.98   3634675.90   0.59910   501921.98
3634675.90   0.65188
         502021.98   3634675.90   0.71294   502121.98
3634675.90   0.78117
         505321.98   3634675.90   0.79159   505421.98
3634675.90   0.87623
         505521.98   3634675.90   0.85464   505621.98
3634675.90   0.70944
         505721.98   3634675.90   0.55041   501721.98
3634775.90   0.54705
         501821.98   3634775.90   0.59264   501921.98
3634775.90   0.64340
         502021.98   3634775.90   0.70258   502121.98
3634775.90   0.76975
         505321.98   3634775.90   0.77446   505421.98
3634775.90   0.92295

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3634775.90	0.84936	505621.98	3634775.90	0.76384
505721.98	3634775.90	0.66077	501721.98	3634875.90	0.53899
501821.98	3634875.90	0.58281	501921.98	3634875.90	0.63187
502021.98	3634875.90	0.68739	502121.98	3634875.90	0.75111
505321.98	3634875.90	0.80231	505421.98	3634875.90	0.88065
505521.98	3634875.90	0.81329	505621.98	3634875.90	0.75327
505721.98	3634875.90	0.69610	501721.98	3634975.90	0.52892
501821.98	3634975.90	0.57007	501921.98	3634975.90	0.61598
502021.98	3634975.90	0.66825	502121.98	3634975.90	0.72797
505321.98	3634975.90	0.82310	505421.98	3634975.90	0.82731
505521.98	3634975.90	0.76623	505621.98	3634975.90	0.71265
505721.98	3634975.90	0.66513	501721.98	3635075.90	0.51589
501821.98	3635075.90	0.55475	501921.98	3635075.90	0.69752
502021.98	3635075.90	0.73591	502121.98	3635075.90	0.70225
505321.98	3635075.90	0.82245	505421.98	3635075.90	0.78185
505521.98	3635075.90	0.72360	505621.98	3635075.90	0.67252
505721.98	3635075.90	0.62809	501721.98	3635175.90	0.58348
501821.98	3635175.90	0.61103	501921.98	3635175.90	0.66859
502021.98	3635175.90	0.69848	502121.98	3635175.90	0.67474
505321.98	3635175.90	0.80198	505421.98	3635175.90	0.74205
505521.98	3635175.90	0.68746	505621.98		

3635175.90   0.63951
         505721.98   3635175.90   0.59725   501721.98
3635275.90   0.56272
         501821.98   3635275.90   0.59092   501921.98
3635275.90   0.62007
         502021.98   3635275.90   0.65227   502121.98
3635275.90   0.68127
         505621.98   3635275.90   0.60763   505721.98
3635275.90   0.56912
         501721.98   3635375.90   0.51143   501821.98
3635375.90   0.54145
         501921.98   3635375.90   0.57015   502021.98
3635375.90   0.60263
         502121.98   3635375.90   0.64220   505621.98
3635375.90   0.58765
         501721.98   3635475.90   0.46375   501821.98
3635475.90   0.49077
         501921.98   3635475.90   0.53141   502021.98
3635475.90   0.57031
         502121.98   3635475.90   0.60336   505621.98
3635475.90   0.56341
         505721.98   3635475.90   0.52891   501721.98
3635575.90   0.42827
         501821.98   3635575.90   0.45611   501921.98
3635575.90   0.49628
         502021.98   3635575.90   0.52611   502121.98
3635575.90   0.55183
         505321.98   3635575.90   0.65319   505421.98
3635575.90   0.61355
         505521.98   3635575.90   0.57503   505621.98
3635575.90   0.53976
         505721.98   3635575.90   0.50772   501721.98
3635675.90   0.39429
         501821.98   3635675.90   0.42588   501921.98
3635675.90   0.45691
         502021.98   3635675.90   0.48283   502121.98
3635675.90   0.50617
         505321.98   3635675.90   0.62347   505421.98
3635675.90   0.58285

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920

, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3636075.90   0.39226
         502221.98   3636075.90   0.42236   502321.98
3636075.90   0.45943
         502421.98   3636075.90   0.49322   502521.98
3636075.90   0.52241
         502621.98   3636075.90   0.55284   502721.98
3636075.90   0.58401
         502821.98   3636075.90   0.61251   502921.98
3636075.90   0.63428
         503021.98   3636075.90   0.65401   503121.98
3636075.90   0.65479
         503221.98   3636075.90   0.69578   503321.98
3636075.90   0.74776
         503421.98   3636075.90   0.78894   503521.98
3636075.90   0.82415
         503621.98   3636075.90   0.84593   503721.98
3636075.90   0.85663
         503821.98   3636075.90   0.86064   503921.98
3636075.90   0.87211
         504021.98   3636075.90   0.88686   504121.98
3636075.90   0.89604
         504221.98   3636075.90   0.90120   504321.98
3636075.90   0.90304
         504421.98   3636075.90   0.88013   504521.98
3636075.90   0.84185
         504621.98   3636075.90   0.81501   504721.98
3636075.90   0.77629
         504821.98   3636075.90   0.70936   504921.98
3636075.90   0.64710
         505021.98   3636075.90   0.61438   505121.98
3636075.90   0.58173
         505221.98   3636075.90   0.55263   505321.98
3636075.90   0.52801
         505421.98   3636075.90   0.49331   505521.98
3636075.90   0.47140
         505621.98   3636075.90   0.44467   505721.98
3636075.90   0.41888
         501721.98   3636175.90   0.28180   501821.98
3636175.90   0.30322
         501921.98   3636175.90   0.32867   502021.98
3636175.90   0.34823
         502121.98   3636175.90   0.37139   502221.98
3636175.90   0.40132

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***

INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502321.98	3636175.90	0.43681	502421.98	3636175.90	0.46836
502521.98	3636175.90	0.49502	502621.98	3636175.90	0.52211
502721.98	3636175.90	0.54518	502821.98	3636175.90	0.56770
502921.98	3636175.90	0.58766	503021.98	3636175.90	0.59870
503121.98	3636175.90	0.57474	503221.98	3636175.90	0.63052
503321.98	3636175.90	0.68550	503421.98	3636175.90	0.72210
503521.98	3636175.90	0.74839	503621.98	3636175.90	0.77042
503721.98	3636175.90	0.77869	503821.98	3636175.90	0.77944
503921.98	3636175.90	0.78462	504021.98	3636175.90	0.79058
504121.98	3636175.90	0.78500	504221.98	3636175.90	0.79125
504321.98	3636175.90	0.75494	504421.98	3636175.90	0.69504
504521.98	3636175.90	0.60205	504621.98	3636175.90	0.64541
504721.98	3636175.90	0.72656	504821.98	3636175.90	0.69489
504921.98	3636175.90	0.65778	505021.98	3636175.90	0.60403
505121.98	3636175.90	0.55182	505221.98	3636175.90	0.52703
505321.98	3636175.90	0.50723	505421.98	3636175.90	0.48426
505521.98	3636175.90	0.45489	505621.98		

```
3636175.90        0.43134
         505721.98    3636175.90        0.40774                     501721.98
3636275.90        0.26948
         501821.98    3636275.90        0.28855                     501921.98
3636275.90        0.31160
         502021.98    3636275.90        0.33470                     502121.98
3636275.90        0.36131
         502221.98    3636275.90        0.38975                     502321.98
3636275.90        0.41839
         502421.98    3636275.90        0.44533                     502521.98
3636275.90        0.47016
         502621.98    3636275.90        0.48939                     502721.98
3636275.90        0.50800
         502821.98    3636275.90        0.52588                     502921.98
3636275.90        0.54084
         503021.98    3636275.90        0.55725                     503121.98
3636275.90        0.55673
         503221.98    3636275.90        0.56500                     503321.98
3636275.90        0.60510
         503421.98    3636275.90        0.64756                     503521.98
3636275.90        0.67528
         503621.98    3636275.90        0.69515                     503721.98
3636275.90        0.70359
         503821.98    3636275.90        0.70294                     503921.98
3636275.90        0.70425
         504021.98    3636275.90        0.69778                     504121.98
3636275.90        0.67266
         504221.98    3636275.90        0.61307                     504321.98
3636275.90        0.50569
         504421.98    3636275.90        0.48888                     504521.98
3636275.90        0.46887
         504621.98    3636275.90        0.50482                     504721.98
3636275.90        0.56920
         504821.98    3636275.90        0.51600                     504921.98
3636275.90        0.60071
         505021.98    3636275.90        0.57637                     505121.98
3636275.90        0.52594
         505221.98    3636275.90        0.50226                     505321.98
3636275.90        0.48698
         505421.98    3636275.90        0.46780                     505521.98
3636275.90        0.44059
         505621.98    3636275.90        0.41928                     505721.98
3636275.90        0.39886
         501721.98    3636375.90        0.25742                     501821.98
3636375.90        0.27684
         501921.98    3636375.90        0.30122                     502021.98
3636375.90        0.32170
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***

INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502121.98	3636375.90	0.34668	502221.98	3636375.90	0.37132
502321.98	3636375.90	0.39596	502421.98	3636375.90	0.42294
502521.98	3636375.90	0.44398	502621.98	3636375.90	0.46245
502721.98	3636375.90	0.47382	502821.98	3636375.90	0.48382
502921.98	3636375.90	0.49271	503021.98	3636375.90	0.50022
503121.98	3636375.90	0.49877	503221.98	3636375.90	0.49994
503321.98	3636375.90	0.53001	503421.98	3636375.90	0.58257
503521.98	3636375.90	0.60504	503621.98	3636375.90	0.62099
503721.98	3636375.90	0.63296	503821.98	3636375.90	0.63483
503921.98	3636375.90	0.61763	504021.98	3636375.90	0.60681
504121.98	3636375.90	0.56695	504221.98	3636375.90	0.49621
504321.98	3636375.90	0.44554	504421.98	3636375.90	0.42955
504521.98	3636375.90	0.42441	504621.98	3636375.90	0.44071
504721.98	3636375.90	0.46763	504821.98	3636375.90	0.42980
504921.98	3636375.90	0.42624	505021.98		

```
3636375.90        0.53530
         505121.98    3636375.90        0.51684                    505221.98
3636375.90        0.49072
         505321.98    3636375.90        0.46916                    505421.98
3636375.90        0.44713
         505521.98    3636375.90        0.42787                    505621.98
3636375.90        0.40802
         505721.98    3636375.90        0.38899                    501721.98
3636475.90        0.24086
         501821.98    3636475.90        0.26042                    501921.98
3636475.90        0.28862
         502021.98    3636475.90        0.30562                    502121.98
3636475.90        0.32642
         502221.98    3636475.90        0.35240                    502321.98
3636475.90        0.37934
         502421.98    3636475.90        0.40261                    502521.98
3636475.90        0.41869
         502621.98    3636475.90        0.43321                    502721.98
3636475.90        0.44289
         502821.98    3636475.90        0.44270                    502921.98
3636475.90        0.44894
         503021.98    3636475.90        0.44844                    503121.98
3636475.90        0.44269
         503221.98    3636475.90        0.44428                    503321.98
3636475.90        0.47727
         503421.98    3636475.90        0.51246                    503521.98
3636475.90        0.53839
         503621.98    3636475.90        0.55410                    503721.98
3636475.90        0.56844
         503821.98    3636475.90        0.55601                    503921.98
3636475.90        0.53985
         504021.98    3636475.90        0.45261                    504121.98
3636475.90        0.46211
         504221.98    3636475.90        0.45616                    504321.98
3636475.90        0.40367
         504421.98    3636475.90        0.39181                    504521.98
3636475.90        0.38767
         504621.98    3636475.90        0.38556                    504721.98
3636475.90        0.38456
         504821.98    3636475.90        0.37914                    504921.98
3636475.90        0.39764
         505021.98    3636475.90        0.48791                    505121.98
3636475.90        0.49805
         505221.98    3636475.90        0.47198                    505321.98
3636475.90        0.45020
         505421.98    3636475.90        0.42782                    505521.98
3636475.90        0.41040
         505621.98    3636475.90        0.39412                    505721.98
3636475.90        0.37674
1 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

504071.98 3633475.90 0.80228 504121.98 3633475.90 0.83600
504171.98 3633475.90 0.80425 504221.98 3633475.90 0.82026
504271.98 3633475.90 0.84708 504321.98 3633475.90 0.84554
504371.98 3633475.90 0.76920 504421.98 3633475.90 0.71945
504471.98 3633475.90 0.69350 504521.98 3633475.90 0.68820
504571.98 3633475.90 0.70499 504621.98 3633475.90 0.72656
504671.98 3633475.90 0.73565 504721.98 3633475.90 0.75565
502721.98 3633525.90 0.96232 502771.98 3633525.90 1.00281
502821.98 3633525.90 1.04519 502871.98 3633525.90 1.08917
502921.98 3633525.90 1.13471 502971.98 3633525.90 1.18211
503021.98 3633525.90 1.23089 503071.98 3633525.90 1.28095
503121.98 3633525.90 1.33222 503171.98 3633525.90 1.38350
503221.98 3633525.90 1.43439 503271.98 3633525.90 1.48250
503321.98 3633525.90 1.34625 503371.98 3633525.90 1.11905
503421.98 3633525.90 1.08783 503471.98 3633525.90 1.09431
503521.98 3633525.90 1.07554 503621.98 3633525.90 1.14894
503671.98 3633525.90 1.07539 503721.98 3633525.90 1.06896
503771.98 3633525.90 0.97056 503821.98 3633525.90 0.88244
503871.98 3633525.90 0.91656 503921.98 3633525.90 0.98632
503971.98 3633525.90 0.95704 504021.98 3633525.90 0.90253
504071.98 3633525.90 0.92099 504121.98 3633525.90 0.96984
504171.98 3633525.90 0.97255 504221.98 3633525.90 0.98018
504271.98 3633525.90 0.94993 504321.98 3633525.90 0.82849
504371.98 3633525.90 0.78637 504421.98 3633525.90 0.75646
504471.98 3633525.90 0.74522 504521.98 3633525.90 0.76493

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504571.98	3633525.90	0.79475	504621.98	3633525.90	0.81592
504671.98	3633525.90	0.81780	504721.98	3633525.90	0.81563
502721.98	3633575.90	1.00002	502771.98	3633575.90	1.04412
502821.98	3633575.90	1.09078	502871.98	3633575.90	1.13958
502921.98	3633575.90	1.19022	502971.98	3633575.90	1.24287
503021.98	3633575.90	1.29720	503071.98	3633575.90	1.35356
503121.98	3633575.90	1.41160	503171.98	3633575.90	1.47011
503221.98	3633575.90	1.52856	503271.98	3633575.90	1.58635
503321.98	3633575.90	1.54842	503371.98	3633575.90	1.38607
503421.98	3633575.90	1.36333	503471.98	3633575.90	1.33525
503521.98	3633575.90	1.40104	503621.98	3633575.90	1.25173
503671.98	3633575.90	1.26313	503721.98	3633575.90	1.28311
503771.98	3633575.90	1.18013	503821.98		

3633575.90 1.10855
503871.98 3633575.90 1.17207 503921.98
3633575.90 1.18354
503971.98 3633575.90 1.12351 504021.98
3633575.90 1.11003
504071.98 3633575.90 1.08532 504121.98
3633575.90 1.12291
504171.98 3633575.90 1.13278 504221.98
3633575.90 1.14907
504271.98 3633575.90 1.00678 504321.98
3633575.90 0.88240
504371.98 3633575.90 0.84450 504421.98
3633575.90 0.81214
504471.98 3633575.90 0.81799 504521.98
3633575.90 0.85903
504571.98 3633575.90 0.90201 504621.98
3633575.90 0.89125
504671.98 3633575.90 0.88356 504721.98
3633575.90 0.88076
502721.98 3633625.90 1.03952 502771.98
3633625.90 1.08759
502821.98 3633625.90 1.13825 502871.98
3633625.90 1.19180
502921.98 3633625.90 1.24801 502971.98
3633625.90 1.30714
503021.98 3633625.90 1.36815 503071.98
3633625.90 1.43180
503121.98 3633625.90 1.49726 503171.98
3633625.90 1.56419
503221.98 3633625.90 1.63183 503271.98
3633625.90 1.69874
503321.98 3633625.90 1.76386 503371.98
3633625.90 1.59873
503421.98 3633625.90 1.54817 503471.98
3633625.90 1.52176
503521.98 3633625.90 1.55452 503621.98
3633625.90 1.44536
503671.98 3633625.90 1.38353 503721.98
3633625.90 1.43876
503771.98 3633625.90 1.30822 503821.98
3633625.90 1.29806
503871.98 3633625.90 1.34188 503921.98
3633625.90 1.31864
503971.98 3633625.90 1.31093 504021.98
3633625.90 1.26633
504071.98 3633625.90 1.23698 504121.98
3633625.90 1.29659
504171.98 3633625.90 1.30713 504221.98
3633625.90 1.27327
504271.98 3633625.90 1.14239 504321.98

```
3633625.90        1.03410
         504371.98    3633625.90        0.94986                       504421.98
3633625.90        0.91376
         504471.98    3633625.90        0.91424                       504521.98
3633625.90        0.98078
         504571.98    3633625.90        0.99375                       504621.98
3633625.90        0.97981
         504671.98    3633625.90        0.99237                       504721.98
3633625.90        0.96833
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 264
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502721.98    3633675.90        1.08031                       502771.98
3633675.90        1.13259
         502821.98    3633675.90        1.18794                       502871.98
3633675.90        1.24669
         502921.98    3633675.90        1.30939                       502971.98
3633675.90        1.37504
         503021.98    3633675.90        1.44375                       503071.98
3633675.90        1.51530
         503121.98    3633675.90        1.58971                       503171.98
3633675.90        1.66644
         503221.98    3633675.90        1.74465                       503271.98
3633675.90        1.82314
         503321.98    3633675.90        1.90070                       503371.98
3633675.90        1.97769
         503421.98    3633675.90        2.05126                       503471.98
3633675.90        1.84772
```

503521.98 3633675.90 1.87203 503571.98
3633675.90 1.58811
503671.98 3633675.90 1.54994 503721.98
3633675.90 1.58148
503771.98 3633675.90 1.57080 503821.98
3633675.90 1.53348
503871.98 3633675.90 1.50793 503921.98
3633675.90 1.51083
503971.98 3633675.90 1.48200 504021.98
3633675.90 1.44697
504071.98 3633675.90 1.45140 504121.98
3633675.90 1.48431
504171.98 3633675.90 1.49616 504221.98
3633675.90 1.46610
504271.98 3633675.90 1.34631 504321.98
3633675.90 1.19109
504371.98 3633675.90 1.07997 504421.98
3633675.90 1.04358
504471.98 3633675.90 1.07879 504521.98
3633675.90 1.11498
504571.98 3633675.90 1.10116 504621.98
3633675.90 1.09490
504671.98 3633675.90 1.08406 504721.98
3633675.90 1.07072
502721.98 3633725.90 1.12230 502771.98
3633725.90 1.17943
502821.98 3633725.90 1.23985 502871.98
3633725.90 1.30474
502921.98 3633725.90 1.37442 502971.98
3633725.90 1.44720
503021.98 3633725.90 1.52324 503071.98
3633725.90 1.60462
503121.98 3633725.90 1.68936 503171.98
3633725.90 1.77751
503221.98 3633725.90 1.86822 503271.98
3633725.90 1.96058
503321.98 3633725.90 2.05331 503371.98
3633725.90 2.14532
503421.98 3633725.90 2.23489 503471.98
3633725.90 2.31542
503521.98 3633725.90 2.11831 503571.98
3633725.90 2.08653
503721.98 3633725.90 1.87917 503771.98
3633725.90 1.79301
503821.98 3633725.90 1.78490 503871.98
3633725.90 1.73594
503921.98 3633725.90 1.72293 503971.98
3633725.90 1.66094
504021.98 3633725.90 1.63915 504071.98
3633725.90 1.65139

```
         504121.98    3633725.90        1.72092                       504171.98
3633725.90        1.69717
         504221.98    3633725.90        1.64351                       504271.98
3633725.90        1.62872
         504321.98    3633725.90        1.40625                       504371.98
3633725.90        1.27061
         504421.98    3633725.90        1.23211                       504471.98
3633725.90        1.25620
         504521.98    3633725.90        1.25361                       504571.98
3633725.90        1.23116
         504621.98    3633725.90        1.26347                       504671.98
3633725.90        1.23049
         504721.98    3633725.90        1.18257                       502721.98
3633775.90        1.16508
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 265
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         502771.98    3633775.90        1.22739                       502821.98
3633775.90        1.29385
         502871.98    3633775.90        1.36497                       502921.98
3633775.90        1.44180
         502971.98    3633775.90        1.52319                       503021.98
3633775.90        1.60925
         503071.98    3633775.90        1.70044                       503121.98
3633775.90        1.79679
         503171.98    3633775.90        1.89811                       503221.98
3633775.90        2.00348
         503271.98    3633775.90        2.11190                       503321.98
```

3633775.90 2.22201
503371.98 3633775.90 2.33219 503421.98
3633775.90 2.44034
503471.98 3633775.90 2.54370 503771.98
3633775.90 2.06402
503821.98 3633775.90 2.04044 503871.98
3633775.90 2.02913
503921.98 3633775.90 1.94068 503971.98
3633775.90 1.87469
504021.98 3633775.90 1.87090 504071.98
3633775.90 2.03341
504121.98 3633775.90 2.00539 504171.98
3633775.90 1.98170
504221.98 3633775.90 1.91656 504271.98
3633775.90 1.83591
504321.98 3633775.90 1.64590 504371.98
3633775.90 1.53387
504421.98 3633775.90 1.49247 504471.98
3633775.90 1.42613
504521.98 3633775.90 1.48322 504571.98
3633775.90 1.54226
504621.98 3633775.90 1.48510 504671.98
3633775.90 1.40921
504721.98 3633775.90 1.34182 502721.98
3633825.90 1.20885
502771.98 3633825.90 1.27651 502821.98
3633825.90 1.34943
502871.98 3633825.90 1.42766 502921.98
3633825.90 1.51275
502971.98 3633825.90 1.60298 503021.98
3633825.90 1.69955
503071.98 3633825.90 1.80275 503121.98
3633825.90 1.91265
503171.98 3633825.90 2.02910 503221.98
3633825.90 2.15149
503271.98 3633825.90 2.27879 503771.98
3633825.90 2.49275
503821.98 3633825.90 2.48294 503871.98
3633825.90 2.36065
503921.98 3633825.90 2.20890 503971.98
3633825.90 2.17389
504021.98 3633825.90 2.36939 504071.98
3633825.90 2.33295
504121.98 3633825.90 2.31360 504171.98
3633825.90 2.32336
504221.98 3633825.90 2.24545 504271.98
3633825.90 2.18369
504321.98 3633825.90 2.10532 504371.98
3633825.90 1.99020
504421.98 3633825.90 1.85570 504471.98

3633825.90   1.79098
         504521.98   3633825.90   1.78346   504571.98
3633825.90   1.80582
         504621.98   3633825.90   1.69465   504671.98
3633825.90   1.59268
         504721.98   3633825.90   1.53973   502721.98
3633875.90   1.25275
         502771.98   3633875.90   1.32640   502821.98
3633875.90   1.40593
         502871.98   3633875.90   1.49176   502921.98
3633875.90   1.58597
         502971.98   3633875.90   1.68632   503021.98
3633875.90   1.79462
         503071.98   3633875.90   1.91111   503121.98
3633875.90   2.03665
         503171.98   3633875.90   2.17072   503221.98
3633875.90   2.31314
         503271.98   3633875.90   2.46322   503821.98
3633875.90   2.87248

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

504171.98 3633875.90 2.64467 504221.98
3633875.90 2.58736
504271.98 3633875.90 2.51299 504321.98
3633875.90 2.37829
504371.98 3633875.90 2.28556 504421.98
3633875.90 2.16364
504471.98 3633875.90 2.11539 504521.98
3633875.90 2.14094
504571.98 3633875.90 2.08542 504621.98
3633875.90 1.96793
504671.98 3633875.90 1.73659 504721.98
3633875.90 1.68595
502721.98 3633925.90 1.29664 502771.98
3633925.90 1.37614
502821.98 3633925.90 1.46286 502871.98
3633925.90 1.55777
502921.98 3633925.90 1.66123 502971.98
3633925.90 1.77274
503021.98 3633925.90 1.89415 503071.98
3633925.90 2.02574
503121.98 3633925.90 2.16867 503171.98
3633925.90 2.32331
503221.98 3633925.90 2.48980 503271.98
3633925.90 2.66725
503821.98 3633925.90 3.41779 503871.98
3633925.90 3.30462
503921.98 3633925.90 3.32907 503971.98
3633925.90 3.49839
504021.98 3633925.90 3.32274 504071.98
3633925.90 3.25962
504121.98 3633925.90 3.14215 504171.98
3633925.90 3.10707
504221.98 3633925.90 3.06040 504271.98
3633925.90 2.95492
504321.98 3633925.90 2.88096 504371.98
3633925.90 2.73416
504421.98 3633925.90 2.66240 504471.98
3633925.90 2.55366
504521.98 3633925.90 2.42244 504571.98
3633925.90 2.21180
504621.98 3633925.90 2.04475 504671.98
3633925.90 1.91478
504721.98 3633925.90 1.79274 502721.98
3633975.90 1.34043
502771.98 3633975.90 1.42587 502821.98
3633975.90 1.51945
502871.98 3633975.90 1.62396 502921.98
3633975.90 1.73785
502971.98 3633975.90 1.86127 503021.98
3633975.90 1.99744

```
         503071.98    3633975.90        2.14628                       503121.98
3633975.90        2.30911
         503171.98    3633975.90        2.48722                       503221.98
3633975.90        2.68127
         503271.98    3633975.90        2.89133                       503821.98
3633975.90        4.11879
         503871.98    3633975.90        4.06942                       503921.98
3633975.90        4.37192
         503971.98    3633975.90        4.21013                       504021.98
3633975.90        3.99468
         504071.98    3633975.90        3.82095                       504121.98
3633975.90        3.75790
         504171.98    3633975.90        3.66867                       504221.98
3633975.90        3.52112
         504271.98    3633975.90        3.41406                       504321.98
3633975.90        3.34531
         504371.98    3633975.90        3.15563                       504421.98
3633975.90        3.04145
         504471.98    3633975.90        2.76217                       504521.98
3633975.90        2.45944
         504571.98    3633975.90        2.29634                       504621.98
3633975.90        2.13408
         504671.98    3633975.90        1.95734                       504721.98
3633975.90        1.76497
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 267
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         502721.98    3634025.90        1.38482                       502771.98
```

3634025.90 1.47734
502821.98 3634025.90 1.57821 502871.98 3634025.90 1.69014
502921.98 3634025.90 1.81370 502971.98 3634025.90 1.95107
503021.98 3634025.90 2.10356 503071.98 3634025.90 2.27120
503121.98 3634025.90 2.45684 503171.98 3634025.90 2.66193
503221.98 3634025.90 2.88833 503271.98 3634025.90 3.13733
503871.98 3634025.90 5.16209 503921.98 3634025.90 5.61260
503971.98 3634025.90 4.92449 504021.98 3634025.90 4.78894
504071.98 3634025.90 4.58415 504121.98 3634025.90 4.43958
504171.98 3634025.90 4.23238 504221.98 3634025.90 4.11692
504271.98 3634025.90 3.96442 504321.98 3634025.90 3.83504
504371.98 3634025.90 3.58786 504421.98 3634025.90 3.14700
504471.98 3634025.90 2.84701 504521.98 3634025.90 2.62970
504571.98 3634025.90 2.39287 504621.98 3634025.90 2.11709
504671.98 3634025.90 1.91095 504721.98 3634025.90 1.73145
502721.98 3634075.90 1.42732 502771.98 3634075.90 1.52445
502821.98 3634075.90 1.63344 502871.98 3634075.90 1.75565
502921.98 3634075.90 1.89069 502971.98 3634075.90 2.04113
503021.98 3634075.90 2.21070 503071.98 3634075.90 2.39928
503121.98 3634075.90 2.61006 503171.98 3634075.90 2.84601
503221.98 3634075.90 3.11008 503271.98 3634075.90 3.40486
503871.98 3634075.90 6.82480 503921.98 3634075.90 6.64758
503971.98 3634075.90 6.37799 504021.98 3634075.90 5.63281
504071.98 3634075.90 5.43380 504121.98 3634075.90 5.22971
504171.98 3634075.90 5.03407 504221.98 3634075.90 4.87196
504271.98 3634075.90 4.70049 504321.98

3634075.90   4.37925
         504371.98   3634075.90   3.85573   504421.98
3634075.90   3.43751
         504471.98   3634075.90   3.02913   504521.98
3634075.90   2.63607
         504571.98   3634075.90   2.31183   504621.98
3634075.90   2.00521
         504671.98   3634075.90   1.83134   504721.98
3634075.90   1.70067
         502721.98   3634125.90   1.46797   502771.98
3634125.90   1.57070
         502821.98   3634125.90   1.68761   502871.98
3634125.90   1.81957
         502921.98   3634125.90   1.96548   502971.98
3634125.90   2.13017
         503021.98   3634125.90   2.31735   503071.98
3634125.90   2.52761
         503121.98   3634125.90   2.76628   503171.98
3634125.90   3.03697
         503221.98   3634125.90   3.34265   503271.98
3634125.90   3.69236
         503921.98   3634125.90   8.01412   503971.98
3634125.90   7.62291
         504021.98   3634125.90   7.18650   504071.98
3634125.90   6.51717
         504121.98   3634125.90   6.32475   504171.98
3634125.90   6.07821
         504221.98   3634125.90   5.83215   504271.98
3634125.90   5.49357

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3634125.90	5.00319	504371.98	3634125.90	4.39971
504421.98	3634125.90	3.72747	504471.98	3634125.90	2.99540
504521.98	3634125.90	2.60794	504571.98	3634125.90	2.24735
504621.98	3634125.90	1.97615	504671.98	3634125.90	1.82891
504721.98	3634125.90	1.68120	502721.98	3634175.90	1.50374
502771.98	3634175.90	1.61460	502821.98	3634175.90	1.73979
502871.98	3634175.90	1.88082	502921.98	3634175.90	2.03794
502971.98	3634175.90	2.21679	503021.98	3634175.90	2.42215
503071.98	3634175.90	2.65451	503121.98	3634175.90	2.92146
503171.98	3634175.90	3.22769	503221.98	3634175.90	3.57845
503271.98	3634175.90	3.98868	503971.98	3634175.90	9.27070
504021.98	3634175.90	8.67113	504071.98	3634175.90	8.07234
504121.98	3634175.90	7.64303	504171.98	3634175.90	7.28101
504221.98	3634175.90	6.87546	504271.98	3634175.90	6.38901
504321.98	3634175.90	5.80232	504371.98	3634175.90	4.42288
504421.98	3634175.90	3.27979	504471.98	3634175.90	2.90138
504521.98	3634175.90	2.55729	504571.98	3634175.90	2.16382
504621.98	3634175.90	1.91934	504671.98	3634175.90	1.76273
504721.98	3634175.90	1.60296	502721.98	3634225.90	1.53872
502771.98	3634225.90	1.65689	502821.98	3634225.90	1.78989
502871.98	3634225.90	1.93929	502921.98	3634225.90	2.10696
502971.98	3634225.90	2.29961	503021.98	3634225.90	2.52257
503071.98	3634225.90	2.77775	503121.98	3634225.90	3.07378

```
         503171.98    3634225.90        3.41790                       503221.98
3634225.90        3.82178
         503271.98    3634225.90        4.30051                       504071.98
3634225.90        9.80353
         504121.98    3634225.90        8.95962                       504171.98
3634225.90        8.64138
         504221.98    3634225.90        7.88637                       504271.98
3634225.90        7.16625
         504321.98    3634225.90        6.34383                       504371.98
3634225.90        4.43802
         504421.98    3634225.90        3.26246                       504471.98
3634225.90        2.89326
         504521.98    3634225.90        2.55584                       504571.98
3634225.90        2.20901
         504621.98    3634225.90        1.94188                       504671.98
3634225.90        1.72879
         504721.98    3634225.90        1.54670                       502721.98
3634275.90        1.57174
         502771.98    3634275.90        1.69426                       502821.98
3634275.90        1.83432
         502871.98    3634275.90        1.99473                       502921.98
3634275.90        2.17204
         502971.98    3634275.90        2.37636                       503021.98
3634275.90        2.61741
         503071.98    3634275.90        2.89471                       503121.98
3634275.90        3.21948
         503171.98    3634275.90        3.60418                       503221.98
3634275.90        4.06183
         503271.98    3634275.90        4.61589                       504121.98
3634275.90       10.70544
         504171.98    3634275.90        9.43706                       504221.98
3634275.90        8.86047
         504271.98    3634275.90        7.74853                       504321.98
3634275.90        6.57554
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 269
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504371.98	3634275.90	4.92185	504421.98	3634275.90	3.62169
504471.98	3634275.90	2.97087	504521.98	3634275.90	2.51454
504571.98	3634275.90	2.14315	504621.98	3634275.90	1.86063
504671.98	3634275.90	1.62251	504721.98	3634275.90	1.44052
502721.98	3634325.90	1.59202	502771.98	3634325.90	1.72090
502821.98	3634325.90	1.86545	502871.98	3634325.90	2.04360
502971.98	3634325.90	2.44694	503021.98	3634325.90	2.70302
503071.98	3634325.90	3.00260	503121.98	3634325.90	3.35536
503171.98	3634325.90	3.77824	503221.98	3634325.90	4.28979
503271.98	3634325.90	4.91849	504171.98	3634325.90	11.31319
504221.98	3634325.90	9.40663	504271.98	3634325.90	8.10675
504321.98	3634325.90	6.84341	504371.98	3634325.90	5.43725
504421.98	3634325.90	3.81654	504471.98	3634325.90	2.97865
504521.98	3634325.90	2.39543	504571.98	3634325.90	1.97741
504621.98	3634325.90	1.68326	504671.98	3634325.90	1.47222
504721.98	3634325.90	1.32494	502721.98	3634375.90	1.61159
502771.98	3634375.90	1.74552	502821.98	3634375.90	1.89416
503021.98	3634375.90	2.77190	503071.98	3634375.90	3.09517
503121.98	3634375.90	3.47358	503171.98	3634375.90	3.92913
503221.98	3634375.90	4.49118	503271.98	3634375.90	5.19069
504221.98	3634375.90	9.86711	504271.98		

3634375.90   8.19630
         504321.98   3634375.90   6.93209   504371.98
3634375.90   5.07753
         504421.98   3634375.90   3.25147   504471.98
3634375.90   2.51223
         504521.98   3634375.90   2.08919   504571.98
3634375.90   1.79456
         504621.98   3634375.90   1.57975   504671.98
3634375.90   1.41446
         504721.98   3634375.90   1.28578   502721.98
3634425.90   1.63455
         502771.98   3634425.90   1.76889   502821.98
3634425.90   1.92166
         504271.98   3634425.90   7.92584   504321.98
3634425.90   6.77921
         504371.98   3634425.90   5.10153   504421.98
3634425.90   3.33372
         504471.98   3634425.90   2.47596   504521.98
3634425.90   2.05697
         504571.98   3634425.90   1.82481   504621.98
3634425.90   1.64188
         504671.98   3634425.90   1.46423   504721.98
3634425.90   1.30730
         502721.98   3634475.90   1.65660   502771.98
3634475.90   1.79715
         502821.98   3634475.90   1.95555   504321.98
3634475.90   6.57379
         504371.98   3634475.90   5.58464   504421.98
3634475.90   4.36926
         504471.98   3634475.90   3.04941   504521.98
3634475.90   2.43358
         504571.98   3634475.90   2.12172   504621.98
3634475.90   1.89011
         504671.98   3634475.90   1.59762   504721.98
3634475.90   1.37124
         502721.98   3634525.90   1.66875   502771.98
3634525.90   1.80783
         504371.98   3634525.90   5.49782   504421.98
3634525.90   4.79419

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002

```
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         504471.98    3634525.90        4.11476                      504521.98
3634525.90        3.42592
         504571.98    3634525.90        2.89894                      504621.98
3634525.90        2.40005
         504671.98    3634525.90        1.87223                      504721.98
3634525.90        1.54857
         502721.98    3634575.90        1.67149                      502771.98
3634575.90        1.81169
         504421.98    3634575.90        4.67424                      504471.98
3634575.90        4.09632
         504521.98    3634575.90        3.68977                      504571.98
3634575.90        3.26866
         504621.98    3634575.90        2.79475                      504671.98
3634575.90        2.28722
         504721.98    3634575.90        1.88138                      502721.98
3634625.90        1.66827
         502771.98    3634625.90        1.80684                      502821.98
3634625.90        1.96662
         502871.98    3634625.90        2.14833                      502921.98
3634625.90        2.35802
         502971.98    3634625.90        2.60333                      503021.98
3634625.90        2.89235
         503071.98    3634625.90        3.23597                      503121.98
3634625.90        3.64915
         504471.98    3634625.90        3.99965                      504521.98
3634625.90        3.54855
         504571.98    3634625.90        3.22832                      504621.98
3634625.90        2.92951
         504671.98    3634625.90        2.66149                      504721.98
3634625.90        2.30336
         502721.98    3634675.90        1.65896                      502771.98
3634675.90        1.79569
         502821.98    3634675.90        1.95146                      502871.98
3634675.90        2.12916
         502921.98    3634675.90        2.33418                      502971.98
3634675.90        2.57210
```

```
         503021.98    3634675.90        2.85169                      503071.98
3634675.90        3.18215
         503121.98    3634675.90        3.57671                      503171.98
3634675.90        4.05051
         503221.98    3634675.90        4.63656                      503271.98
3634675.90        5.37128
         503321.98    3634675.90        6.29779                      503371.98
3634675.90        7.49634
         503421.98    3634675.90        9.07696                      503471.98
3634675.90       11.17887
         503521.98    3634675.90       14.16807                      504521.98
3634675.90        3.45708
         504571.98    3634675.90        3.10141                      504621.98
3634675.90        2.85609
         504671.98    3634675.90        2.60389                      504721.98
3634675.90        2.38729
         502721.98    3634725.90        1.64276                      502771.98
3634725.90        1.77573
         502821.98    3634725.90        1.92632                      502871.98
3634725.90        2.09741
         502921.98    3634725.90        2.29472                      502971.98
3634725.90        2.52263
         503021.98    3634725.90        2.78820                      503071.98
3634725.90        3.10050
         503121.98    3634725.90        3.46932                      503171.98
3634725.90        3.90954
         503221.98    3634725.90        4.44700                      503271.98
3634725.90        5.10676
         503321.98    3634725.90        5.92320                      503371.98
3634725.90        6.95033
         503421.98    3634725.90        8.26262                      503471.98
3634725.90        9.93295
         503521.98    3634725.90       12.14768                      503571.98
3634725.90       15.09415
         503621.98    3634725.90       18.64718                      504571.98
3634725.90        3.01100
         504621.98    3634725.90        2.72241                      504671.98
3634725.90        2.52129
         504721.98    3634725.90        2.32788                      502721.98
3634775.90        1.61947
         502771.98    3634775.90        1.74723                      502821.98
3634775.90        1.89151
         502871.98    3634775.90        2.05472                      502921.98
3634775.90        2.24176
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502971.98	3634775.90	2.45723	503021.98	3634775.90	2.70527
503071.98	3634775.90	2.99503	503121.98	3634775.90	3.33495
503171.98	3634775.90	3.73649	503221.98	3634775.90	4.21923
503271.98	3634775.90	4.79957	503321.98	3634775.90	5.50625
503371.98	3634775.90	6.37498	503421.98	3634775.90	7.44661
503471.98	3634775.90	8.75395	503521.98	3634775.90	10.38537
503571.98	3634775.90	12.32681	503621.98	3634775.90	14.48487
503671.98	3634775.90	16.63119	503721.98	3634775.90	18.47786
503771.98	3634775.90	19.62176	503821.98	3634775.90	19.71555
504621.98	3634775.90	2.64029	504671.98	3634775.90	2.40821
504721.98	3634775.90	2.25679	502721.98	3634825.90	1.58941
502771.98	3634825.90	1.71106	502821.98	3634825.90	1.84797
502871.98	3634825.90	2.00276	502921.98	3634825.90	2.17768
502971.98	3634825.90	2.37840	503021.98	3634825.90	2.60818
503071.98	3634825.90	2.87493	503121.98	3634825.90	3.18329
503171.98	3634825.90	3.54612	503221.98		

```
3634825.90        3.97244
         503271.98    3634825.90        4.47826                     503321.98
3634825.90        5.08133
         503371.98    3634825.90        5.79583                     503421.98
3634825.90        6.64884
         503471.98    3634825.90        7.65769                     503521.98
3634825.90        8.83108
         503571.98    3634825.90       10.14152                     503621.98
3634825.90       11.47325
         503671.98    3634825.90       12.72007                     503721.98
3634825.90       13.71998
         503771.98    3634825.90       14.30585                     503821.98
3634825.90       14.35536
         503871.98    3634825.90       13.87852                     503921.98
3634825.90       12.97354
         504671.98    3634825.90        2.33162                     504721.98
3634825.90        2.15265
         502721.98    3634875.90        1.55392                     502771.98
3634875.90        1.66924
         502821.98    3634875.90        1.79821                     502871.98
3634875.90        1.94348
         502921.98    3634875.90        2.10646                     502971.98
3634875.90        2.29186
         503021.98    3634875.90        2.50291                     503071.98
3634875.90        2.74518
         503121.98    3634875.90        3.02361                     503171.98
3634875.90        3.34762
         503221.98    3634875.90        3.72250                     503271.98
3634875.90        4.15608
         503321.98    3634875.90        4.66157                     503371.98
3634875.90        5.25338
         503421.98    3634875.90        5.93157                     503471.98
3634875.90        6.69094
         503521.98    3634875.90        7.53285                     503571.98
3634875.90        8.41161
         503621.98    3634875.90        9.27779                     503671.98
3634875.90       10.04602
         503721.98    3634875.90       10.62341                     503771.98
3634875.90       10.95251
         503821.98    3634875.90       10.97460                     503871.98
3634875.90       10.99892
         503921.98    3634875.90       10.82096                     504721.98
3634875.90        2.07287
         502721.98    3634925.90        1.51427                     502771.98
3634925.90        1.62293
         502821.98    3634925.90        1.74375                     502871.98
3634925.90        1.87911
         502921.98    3634925.90        2.03035                     502971.98
3634925.90        2.20093
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

503121.98 3634975.90 2.70496 503171.98
3634975.90 2.95875
503221.98 3634975.90 3.24306 503271.98
3634975.90 3.56129
503321.98 3634975.90 3.91503 503371.98
3634975.90 4.30237
503421.98 3634975.90 4.71239 503471.98
3634975.90 5.15166
503521.98 3634975.90 5.59222 503571.98
3634975.90 6.02722
503621.98 3634975.90 6.43163 503671.98
3634975.90 6.77091
503721.98 3634975.90 6.91377 503771.98
3634975.90 7.15441
503821.98 3634975.90 7.39241 503871.98
3634975.90 7.02317
502721.98 3635025.90 1.42726 502771.98
3635025.90 1.52224
502821.98 3635025.90 1.62716 502871.98
3635025.90 1.74319
502921.98 3635025.90 1.87226 502971.98
3635025.90 2.01564
503021.98 3635025.90 2.17525 503071.98
3635025.90 2.35285
503121.98 3635025.90 2.55125 503171.98
3635025.90 2.77337
503221.98 3635025.90 3.01770 503271.98
3635025.90 3.28589
503321.98 3635025.90 3.57736 503371.98
3635025.90 3.88852
503421.98 3635025.90 4.21174 503471.98
3635025.90 4.54601
503521.98 3635025.90 4.87596 503571.98
3635025.90 5.19084
503621.98 3635025.90 5.47551 503671.98
3635025.90 5.63577
503721.98 3635025.90 5.87644 503771.98
3635025.90 6.03645
503821.98 3635025.90 6.12904 504371.98
3635025.90 3.15385
502721.98 3635075.90 1.38164 502771.98
3635075.90 1.47018
502821.98 3635075.90 1.56756 502871.98
3635075.90 1.67539
502921.98 3635075.90 1.79371 502971.98
3635075.90 1.92430
503021.98 3635075.90 2.06918 503071.98
3635075.90 2.22822
503121.98 3635075.90 2.40360 503171.98
3635075.90 2.59642

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503221.98	3635075.90	2.80517	503271.98	3635075.90	3.03045
503321.98	3635075.90	3.26992	503371.98	3635075.90	3.52059
503421.98	3635075.90	3.77765	503471.98	3635075.90	4.03473
503521.98	3635075.90	4.28450	503571.98	3635075.90	4.51898
503621.98	3635075.90	4.72738	503671.98	3635075.90	4.82610
503721.98	3635075.90	5.02866	503771.98	3635075.90	5.18550
503821.98	3635075.90	5.08686	504371.98	3635075.90	2.91895
504421.98	3635075.90	2.70678	504471.98	3635075.90	2.51112
504521.98	3635075.90	2.33734	502721.98	3635125.90	1.33603
502771.98	3635125.90	1.41848	502821.98	3635125.90	1.50872
502871.98	3635125.90	1.60806	502921.98	3635125.90	1.71741
502971.98	3635125.90	1.83641	503021.98	3635125.90	1.96636
503071.98	3635125.90	2.10765	503121.98		

3635125.90 2.26157
503171.98 3635125.90 2.42801 503221.98
3635125.90 2.60510
503271.98 3635125.90 2.79434 503321.98
3635125.90 2.99065
503371.98 3635125.90 3.19275 503421.98
3635125.90 3.39808
503471.98 3635125.90 3.59798 503521.98
3635125.90 3.78990
503571.98 3635125.90 3.89622 503621.98
3635125.90 4.07301
503671.98 3635125.90 4.21912 503721.98
3635125.90 4.40524
503771.98 3635125.90 4.49733 503821.98
3635125.90 4.41331
504371.98 3635125.90 2.70450 504421.98
3635125.90 2.52045
504471.98 3635125.90 2.35380 504521.98
3635125.90 2.19867
504571.98 3635125.90 2.05665 502721.98
3635175.90 1.29095
502771.98 3635175.90 1.36740 502821.98
3635175.90 1.45095
502871.98 3635175.90 1.54192 502921.98
3635175.90 1.64233
502971.98 3635175.90 1.75003 503021.98
3635175.90 1.86603
503071.98 3635175.90 1.99144 503121.98
3635175.90 2.12638
503171.98 3635175.90 2.27013 503221.98
3635175.90 2.42060
503271.98 3635175.90 2.57890 503321.98
3635175.90 2.74004
503371.98 3635175.90 2.90424 503421.98
3635175.90 3.07020
503471.98 3635175.90 3.22367 503521.98
3635175.90 3.37531
503571.98 3635175.90 3.45487 503621.98
3635175.90 3.59273
503671.98 3635175.90 3.73765 503721.98
3635175.90 3.88174
503771.98 3635175.90 3.84002 503821.98
3635175.90 3.59462
504371.98 3635175.90 2.50625 504421.98
3635175.90 2.35109
504471.98 3635175.90 2.20660 504521.98
3635175.90 2.07016
504571.98 3635175.90 1.94195 504621.98
3635175.90 1.82883
502721.98 3635225.90 1.24665 502771.98

```
3635225.90        1.31821
         502821.98    3635225.90        1.39550                      502871.98
3635225.90        1.47887
         502921.98    3635225.90        1.56888                      502971.98
3635225.90        1.66596
         503021.98    3635225.90        1.76992                      503071.98
3635225.90        1.88092
         503121.98    3635225.90        1.99879                      503171.98
3635225.90        2.12271
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 274
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503221.98    3635225.90        2.25175                      503271.98
3635225.90        2.38458
         503321.98    3635225.90        2.51916                      503371.98
3635225.90        2.65331
         503421.98    3635225.90        2.78522                      503471.98
3635225.90        2.91170
         503521.98    3635225.90        3.02630                      503571.98
3635225.90        3.09530
         503621.98    3635225.90        3.24022                      503671.98
3635225.90        3.36953
         504371.98    3635225.90        2.32499                      504421.98
3635225.90        2.19525
         504471.98    3635225.90        2.06994                      504521.98
3635225.90        1.95050
         504571.98    3635225.90        1.83672                      504621.98
3635225.90        1.73226
```

```
         502721.98    3635275.90        1.20292                    502771.98
3635275.90        1.26864
         502821.98    3635275.90        1.33959                    502871.98
3635275.90        1.41614
         502921.98    3635275.90        1.49737                    502971.98
3635275.90        1.58464
         503021.98    3635275.90        1.67647                    503071.98
3635275.90        1.77379
         503121.98    3635275.90        1.87594                    503171.98
3635275.90        1.98218
         503221.98    3635275.90        2.09433                    503271.98
3635275.90        2.20536
         503321.98    3635275.90        2.31732                    503371.98
3635275.90        2.42699
         503421.98    3635275.90        2.53533                    503471.98
3635275.90        2.63845
         503521.98    3635275.90        2.73565                    503571.98
3635275.90        2.78479
         503621.98    3635275.90        2.89292                    504371.98
3635275.90        2.15484
         504421.98    3635275.90        2.09779                    504471.98
3635275.90        1.93947
         504521.98    3635275.90        1.83674                    504571.98
3635275.90        1.73797
         504621.98    3635275.90        1.64828                    504671.98
3635275.90        1.55730
         502721.98    3635325.90        1.16017                    502771.98
3635325.90        1.22093
         502821.98    3635325.90        1.28606                    502871.98
3635325.90        1.35549
         502921.98    3635325.90        1.42893                    502971.98
3635325.90        1.50709
         503021.98    3635325.90        1.58857                    503071.98
3635325.90        1.67414
         503121.98    3635325.90        1.76283                    503171.98
3635325.90        1.85416
         503221.98    3635325.90        1.94996                    503271.98
3635325.90        2.04345
         503321.98    3635325.90        2.13660                    503371.98
3635325.90        2.22745
         503421.98    3635325.90        2.31623                    503471.98
3635325.90        2.40091
         503521.98    3635325.90        2.48101                    503571.98
3635325.90        2.54864
         503621.98    3635325.90        2.60376                    504371.98
3635325.90        2.07911
         504421.98    3635325.90        1.96505                    504471.98
3635325.90        1.81924
         504521.98    3635325.90        1.73077                    504571.98
3635325.90        1.64465
```

```
         504621.98    3635325.90        1.56799                       504671.98
3635325.90        1.49921
         504721.98    3635325.90        1.40863                       502721.98
3635375.90        1.10463
         502771.98    3635375.90        1.14061                       502821.98
3635375.90        1.19163
         502871.98    3635375.90        1.24996                       502921.98
3635375.90        1.31856
         502971.98    3635375.90        1.41411                       503021.98
3635375.90        1.46713
         503071.98    3635375.90        1.53562                       503121.98
3635375.90        1.63480
         503171.98    3635375.90        1.72799                       503221.98
3635375.90        1.81790
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 275
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         503271.98    3635375.90        1.89707                       503321.98
3635375.90        1.97508
         503371.98    3635375.90        2.05129                       503421.98
3635375.90        2.12536
         503471.98    3635375.90        2.19579                       503521.98
3635375.90        2.26111
         503571.98    3635375.90        2.31686                       503621.98
3635375.90        2.34352
         503671.98    3635375.90        2.43295                       503721.98
3635375.90        2.53650
         504371.98    3635375.90        1.94197                       504421.98
```

3635375.90 1.81307
504471.98 3635375.90 1.70820 504521.98
3635375.90 1.63107
504571.98 3635375.90 1.55586 504621.98
3635375.90 1.50655
504671.98 3635375.90 1.43861 504721.98
3635375.90 1.35986
502721.98 3635425.90 1.05416 502771.98
3635425.90 1.08825
502821.98 3635425.90 1.13667 502871.98
3635425.90 1.19070
502921.98 3635425.90 1.25015 502971.98
3635425.90 1.31547
503021.98 3635425.90 1.38216 503071.98
3635425.90 1.45186
503121.98 3635425.90 1.54075 503171.98
3635425.90 1.61179
503221.98 3635425.90 1.69580 503271.98
3635425.90 1.73383
503321.98 3635425.90 1.79654 503371.98
3635425.90 1.88615
503421.98 3635425.90 1.95558 503471.98
3635425.90 1.99940
503521.98 3635425.90 2.04442 503571.98
3635425.90 2.09858
503621.98 3635425.90 2.14401 503671.98
3635425.90 2.21687
503721.98 3635425.90 2.27701 503771.98
3635425.90 2.32437
503821.98 3635425.90 2.37011 504371.98
3635425.90 1.83460
504421.98 3635425.90 1.75761 504471.98
3635425.90 1.67554
504521.98 3635425.90 1.53738 504571.98
3635425.90 1.47160
504621.98 3635425.90 1.44900 504671.98
3635425.90 1.38022
504721.98 3635425.90 1.31134 502721.98
3635475.90 1.00345
502771.98 3635475.90 1.04316 502821.98
3635475.90 1.09021
502871.98 3635475.90 1.14075 502921.98
3635475.90 1.19782
502971.98 3635475.90 1.25294 503021.98
3635475.90 1.31321
503071.98 3635475.90 1.37900 503121.98
3635475.90 1.45183
503171.98 3635475.90 1.51019 503221.98
3635475.90 1.56213
503271.98 3635475.90 1.61514 503321.98

3635475.90   1.66915
         503371.98   3635475.90   1.72315   503421.98
3635475.90   1.77782
         503471.98   3635475.90   1.83275   503521.98
3635475.90   1.88483
         503571.98   3635475.90   1.93330   503621.98
3635475.90   1.96829
         503671.98   3635475.90   2.00975   503721.98
3635475.90   2.04313
         503771.98   3635475.90   2.10879   503821.98
3635475.90   2.13194
         503871.98   3635475.90   2.15375   503921.98
3635475.90   2.18750
         504371.98   3635475.90   1.62609   504421.98
3635475.90   1.56734
         504471.98   3635475.90   1.56928   504521.98
3635475.90   1.45060
         504571.98   3635475.90   1.43293   504621.98
3635475.90   1.38491

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         502421.98    3632975.90        0.54365                    502471.98
3632975.90        0.55823
         502521.98    3632975.90        0.57309                    502571.98
3632975.90        0.58827
         502621.98    3632975.90        0.60364                    502671.98
3632975.90        0.61917
         502721.98    3632975.90        0.63482                    502771.98
3632975.90        0.65042
         502821.98    3632975.90        0.54020                    502871.98
3632975.90        0.47698
         502921.98    3632975.90        0.48501                    502971.98
3632975.90        0.35718
         503021.98    3632975.90        0.36076                    503071.98
3632975.90        0.41886
         503121.98    3632975.90        0.48455                    503171.98
3632975.90        0.54058
         503221.98    3632975.90        0.57062                    503271.98
3632975.90        0.58003
         503321.98    3632975.90        0.58132                    503371.98
3632975.90        0.58790
         503421.98    3632975.90        0.56972                    503471.98
3632975.90        0.56395
         503621.98    3632975.90        0.52309                    503671.98
3632975.90        0.50576
         503721.98    3632975.90        0.48837                    503771.98
3632975.90        0.46342
         503821.98    3632975.90        0.40525                    503871.98
3632975.90        0.36061
         503921.98    3632975.90        0.34855                    503971.98
3632975.90        0.34861
         504021.98    3632975.90        0.34551                    504071.98
3632975.90        0.34930
         504121.98    3632975.90        0.34522                    504171.98
3632975.90        0.34777
         504221.98    3632975.90        0.34842                    504271.98
3632975.90        0.34926
         504321.98    3632975.90        0.34887                    504371.98
3632975.90        0.34475
         504421.98    3632975.90        0.34223                    504471.98
3632975.90        0.34062
         504521.98    3632975.90        0.34065                    504571.98
3632975.90        0.34082
         504621.98    3632975.90        0.34110                    504671.98
3632975.90        0.34203
         504721.98    3632975.90        0.34338                    504771.98
3632975.90        0.34488
         504821.98    3632975.90        0.34606                    504871.98
3632975.90        0.34837
         504921.98    3632975.90        0.35085                    504971.98
3632975.90        0.35209
```

```
         505021.98    3632975.90        0.35174                       505071.98
3632975.90        0.35100
         505121.98    3632975.90        0.35104                       505171.98
3632975.90        0.35309
         505221.98    3632975.90        0.35691                       502221.98
3633025.90        0.50134
         502271.98    3633025.90        0.51574                       502321.98
3633025.90        0.52999
         502371.98    3633025.90        0.54484                       502421.98
3633025.90        0.56010
         502471.98    3633025.90        0.57562                       502521.98
3633025.90        0.59161
         502571.98    3633025.90        0.60789                       502621.98
3633025.90        0.62439
         502671.98    3633025.90        0.64118                       502721.98
3633025.90        0.65817
         502771.98    3633025.90        0.67521                       502821.98
3633025.90        0.55405
         502871.98    3633025.90        0.52826                       502921.98
3633025.90        0.50349
         502971.98    3633025.90        0.37223                       503021.98
3633025.90        0.39808
         503071.98    3633025.90        0.47871                       503121.98
3633025.90        0.55327
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 277
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         503171.98    3633025.90        0.58480                       503221.98
```

3633025.90 0.61900
503271.98 3633025.90 0.62081 503321.98
3633025.90 0.62896
503371.98 3633025.90 0.62041 503421.98
3633025.90 0.58191
503471.98 3633025.90 0.59182 503621.98
3633025.90 0.54034
503671.98 3633025.90 0.52932 503721.98
3633025.90 0.52104
503771.98 3633025.90 0.45913 503821.98
3633025.90 0.40179
503871.98 3633025.90 0.36848 503921.98
3633025.90 0.35993
503971.98 3633025.90 0.35971 504021.98
3633025.90 0.36022
504071.98 3633025.90 0.36063 504121.98
3633025.90 0.36192
504171.98 3633025.90 0.36406 504221.98
3633025.90 0.36617
504271.98 3633025.90 0.36658 504321.98
3633025.90 0.36591
504371.98 3633025.90 0.36192 504421.98
3633025.90 0.35918
504471.98 3633025.90 0.35785 504521.98
3633025.90 0.35676
504571.98 3633025.90 0.35694 504621.98
3633025.90 0.35797
504671.98 3633025.90 0.35941 504721.98
3633025.90 0.36119
504771.98 3633025.90 0.36380 504821.98
3633025.90 0.36648
504871.98 3633025.90 0.37003 504921.98
3633025.90 0.37226
504971.98 3633025.90 0.37223 505021.98
3633025.90 0.37042
505071.98 3633025.90 0.36916 505121.98
3633025.90 0.36983
505171.98 3633025.90 0.37359 505221.98
3633025.90 0.38088
502221.98 3633075.90 0.51476 502271.98
3633075.90 0.52993
502321.98 3633075.90 0.54516 502371.98
3633075.90 0.56089
502421.98 3633075.90 0.57711 502471.98
3633075.90 0.59363
502521.98 3633075.90 0.61078 502571.98
3633075.90 0.62834
502621.98 3633075.90 0.64614 502671.98
3633075.90 0.66436
502721.98 3633075.90 0.68268 502771.98

3633075.90   0.70133
         502821.98   3633075.90   0.60840   502871.98
3633075.90   0.58345
         502921.98   3633075.90   0.56108   502971.98
3633075.90   0.50843
         503021.98   3633075.90   0.53805   503071.98
3633075.90   0.55893
         503121.98   3633075.90   0.60288   503171.98
3633075.90   0.63301
         503221.98   3633075.90   0.67690   503271.98
3633075.90   0.66480
         503321.98   3633075.90   0.66000   503371.98
3633075.90   0.64797
         503421.98   3633075.90   0.61313   503471.98
3633075.90   0.62384
         503621.98   3633075.90   0.56080   503671.98
3633075.90   0.54174
         503721.98   3633075.90   0.53043   503771.98
3633075.90   0.46588
         503821.98   3633075.90   0.40624   503871.98
3633075.90   0.37596
         503921.98   3633075.90   0.37572   503971.98
3633075.90   0.38061
         504021.98   3633075.90   0.37912   504071.98
3633075.90   0.38021
         504121.98   3633075.90   0.38212   504171.98
3633075.90   0.38425
         504221.98   3633075.90   0.38589   504271.98
3633075.90   0.38622

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3633075.90	0.38635	504371.98	3633075.90	0.38130
504421.98	3633075.90	0.37920	504471.98	3633075.90	0.37667
504521.98	3633075.90	0.37569	504571.98	3633075.90	0.37636
504621.98	3633075.90	0.37760	504671.98	3633075.90	0.37941
504721.98	3633075.90	0.38188	504771.98	3633075.90	0.38571
504821.98	3633075.90	0.38957	504871.98	3633075.90	0.39333
504921.98	3633075.90	0.39635	504971.98	3633075.90	0.39408
505021.98	3633075.90	0.39109	505071.98	3633075.90	0.38970
505121.98	3633075.90	0.39135	505171.98	3633075.90	0.39686
505221.98	3633075.90	0.40431	502221.98	3633125.90	0.52875
502271.98	3633125.90	0.54449	502321.98	3633125.90	0.56068
502371.98	3633125.90	0.57739	502421.98	3633125.90	0.59470
502471.98	3633125.90	0.61243	502521.98	3633125.90	0.63076
502571.98	3633125.90	0.64963	502621.98	3633125.90	0.66888
502671.98	3633125.90	0.68846	502721.98	3633125.90	0.70847
502771.98	3633125.90	0.72856	502821.98	3633125.90	0.74898
502871.98	3633125.90	0.64058	502921.98	3633125.90	0.63262
502971.98	3633125.90	0.60470	503021.98	3633125.90	0.59729
503071.98	3633125.90	0.62705	503121.98	3633125.90	0.65731
503171.98	3633125.90	0.69423	503221.98	3633125.90	0.72054
503271.98	3633125.90	0.71736	503321.98	3633125.90	0.72226
503371.98	3633125.90	0.69002	503421.98	3633125.90	0.64505
503471.98	3633125.90	0.65693	503621.98	3633125.90	0.57922

```
         503671.98    3633125.90        0.54906                       503721.98
3633125.90        0.53700
         503771.98    3633125.90        0.45955                       503821.98
3633125.90        0.41335
         503871.98    3633125.90        0.39355                       503921.98
3633125.90        0.39632
         503971.98    3633125.90        0.40211                       504021.98
3633125.90        0.39814
         504071.98    3633125.90        0.40214                       504121.98
3633125.90        0.40615
         504171.98    3633125.90        0.40851                       504221.98
3633125.90        0.40950
         504271.98    3633125.90        0.40999                       504321.98
3633125.90        0.40818
         504371.98    3633125.90        0.40481                       504421.98
3633125.90        0.40240
         504471.98    3633125.90        0.39893                       504521.98
3633125.90        0.39787
         504571.98    3633125.90        0.39859                       504621.98
3633125.90        0.40035
         504671.98    3633125.90        0.40290                       504721.98
3633125.90        0.40627
         504771.98    3633125.90        0.41055                       504821.98
3633125.90        0.41438
         504871.98    3633125.90        0.41846                       504921.98
3633125.90        0.42405
         504971.98    3633125.90        0.41988                       505021.98
3633125.90        0.41469
         505071.98    3633125.90        0.41282                       505121.98
3633125.90        0.41592
         505171.98    3633125.90        0.42177                       505221.98
3633125.90        0.42937
         502221.98    3633175.90        0.54278                       502271.98
3633175.90        0.55931
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 279
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502321.98	3633175.90	0.57649	502371.98	3633175.90	0.59455
502421.98	3633175.90	0.61307	502471.98	3633175.90	0.63199
502521.98	3633175.90	0.65162	502571.98	3633175.90	0.67175
502621.98	3633175.90	0.69242	502671.98	3633175.90	0.71353
502721.98	3633175.90	0.73483	502771.98	3633175.90	0.66480
502821.98	3633175.90	0.65689	502871.98	3633175.90	0.69981
502921.98	3633175.90	0.69130	502971.98	3633175.90	0.70362
503021.98	3633175.90	0.69512	503071.98	3633175.90	0.72006
503121.98	3633175.90	0.72366	503171.98	3633175.90	0.76517
503221.98	3633175.90	0.75377	503271.98	3633175.90	0.74840
503321.98	3633175.90	0.75790	503371.98	3633175.90	0.72172
503421.98	3633175.90	0.68747	503471.98	3633175.90	0.68567
503621.98	3633175.90	0.57686	503671.98	3633175.90	0.56995
503721.98	3633175.90	0.52605	503771.98	3633175.90	0.45767
503821.98	3633175.90	0.42300	503871.98	3633175.90	0.41203
503921.98	3633175.90	0.42021	503971.98	3633175.90	0.42632
504021.98	3633175.90	0.42241	504071.98	3633175.90	0.42766
504121.98	3633175.90	0.43368	504171.98	3633175.90	0.43926
504221.98	3633175.90	0.43852	504271.98	3633175.90	0.43688
504321.98	3633175.90	0.43422	504371.98	3633175.90	0.43522
504421.98	3633175.90	0.42891	504471.98		

3633175.90   0.42406
         504521.98   3633175.90   0.42277   504571.98
3633175.90   0.42374
         504621.98   3633175.90   0.42648   504671.98
3633175.90   0.43059
         504721.98   3633175.90   0.43490   504771.98
3633175.90   0.43899
         504821.98   3633175.90   0.44167   504871.98
3633175.90   0.44578
         504921.98   3633175.90   0.45403   504971.98
3633175.90   0.44583
         505021.98   3633175.90   0.43999   505071.98
3633175.90   0.44010
         505121.98   3633175.90   0.44352   505171.98
3633175.90   0.44760
         505221.98   3633175.90   0.45191   502221.98
3633225.90   0.55721
         502271.98   3633225.90   0.57486   502321.98
3633225.90   0.59305
         502371.98   3633225.90   0.61227   502421.98
3633225.90   0.63192
         502471.98   3633225.90   0.65206   502521.98
3633225.90   0.67315
         502571.98   3633225.90   0.69482   502621.98
3633225.90   0.71705
         502671.98   3633225.90   0.73990   502721.98
3633225.90   0.76293
         502771.98   3633225.90   0.78700   502821.98
3633225.90   0.70293
         502871.98   3633225.90   0.71631   502921.98
3633225.90   0.74188
         502971.98   3633225.90   0.76595   503021.98
3633225.90   0.77163
         503071.98   3633225.90   0.79410   503121.98
3633225.90   0.82195
         503171.98   3633225.90   0.82227   503221.98
3633225.90   0.80782
         503271.98   3633225.90   0.80077   503321.98
3633225.90   0.78500

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002

```
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         503371.98    3633225.90        0.74028                       503421.98
3633225.90        0.72749
         503471.98    3633225.90        0.70757                       503621.98
3633225.90        0.60982
         503671.98    3633225.90        0.58425                       503721.98
3633225.90        0.52840
         503771.98    3633225.90        0.47763                       503821.98
3633225.90        0.43980
         503871.98    3633225.90        0.43854                       503921.98
3633225.90        0.44510
         503971.98    3633225.90        0.45345                       504021.98
3633225.90        0.45639
         504071.98    3633225.90        0.46265                       504121.98
3633225.90        0.47037
         504171.98    3633225.90        0.47452                       504221.98
3633225.90        0.46586
         504271.98    3633225.90        0.46410                       504321.98
3633225.90        0.46752
         504371.98    3633225.90        0.46905                       504421.98
3633225.90        0.45910
         504471.98    3633225.90        0.45358                       504521.98
3633225.90        0.45174
         504571.98    3633225.90        0.45305                       504621.98
3633225.90        0.45706
         504671.98    3633225.90        0.46398                       504721.98
3633225.90        0.46938
         504771.98    3633225.90        0.47135                       504821.98
3633225.90        0.47562
         504871.98    3633225.90        0.47792                       504921.98
3633225.90        0.48551
         504971.98    3633225.90        0.47769                       505021.98
3633225.90        0.47242
         505071.98    3633225.90        0.47330                       505121.98
3633225.90        0.47371
         505171.98    3633225.90        0.47158                       505221.98
3633225.90        0.47270
```

```
         502221.98    3633275.90        0.57186                      502271.98
3633275.90        0.59054
         502321.98    3633275.90        0.61013                      502371.98
3633275.90        0.63039
         502421.98    3633275.90        0.65129                      502471.98
3633275.90        0.67300
         502521.98    3633275.90        0.69548                      502571.98
3633275.90        0.71873
         502621.98    3633275.90        0.74268                      502671.98
3633275.90        0.76742
         502721.98    3633275.90        0.79286                      502771.98
3633275.90        0.81861
         502821.98    3633275.90        0.67400                      502871.98
3633275.90        0.74635
         502921.98    3633275.90        0.79085                      502971.98
3633275.90        0.81601
         503021.98    3633275.90        0.82006                      503071.98
3633275.90        0.85446
         503121.98    3633275.90        0.89418                      503171.98
3633275.90        0.90222
         503221.98    3633275.90        0.88455                      503271.98
3633275.90        0.82727
         503321.98    3633275.90        0.82744                      503371.98
3633275.90        0.78778
         503421.98    3633275.90        0.76153                      503471.98
3633275.90        0.59822
         503621.98    3633275.90        0.61180                      503671.98
3633275.90        0.58955
         503721.98    3633275.90        0.53078                      503771.98
3633275.90        0.48742
         503821.98    3633275.90        0.45972                      503871.98
3633275.90        0.46556
         503921.98    3633275.90        0.47944                      503971.98
3633275.90        0.50178
         504021.98    3633275.90        0.50516                      504071.98
3633275.90        0.50514
         504121.98    3633275.90        0.51629                      504171.98
3633275.90        0.50986
         504221.98    3633275.90        0.49999                      504271.98
3633275.90        0.49827
         504321.98    3633275.90        0.50670                      504371.98
3633275.90        0.51409
         504421.98    3633275.90        0.49957                      504471.98
3633275.90        0.48958
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504521.98	3633275.90	0.48587	504571.98	3633275.90	0.48777
504621.98	3633275.90	0.49446	504671.98	3633275.90	0.50434
504721.98	3633275.90	0.50735	504771.98	3633275.90	0.50260
504821.98	3633275.90	0.50723	504871.98	3633275.90	0.51470
504921.98	3633275.90	0.52404	504971.98	3633275.90	0.51810
505021.98	3633275.90	0.51298	505071.98	3633275.90	0.51261
505121.98	3633275.90	0.50760	505171.98	3633275.90	0.49800
505221.98	3633275.90	0.49683	502221.98	3633325.90	0.58687
502271.98	3633325.90	0.60673	502321.98	3633325.90	0.62744
502371.98	3633325.90	0.64892	502421.98	3633325.90	0.67126
502471.98	3633325.90	0.69437	502521.98	3633325.90	0.71860
502571.98	3633325.90	0.74359	502621.98	3633325.90	0.76943
502671.98	3633325.90	0.79619	502721.98	3633325.90	0.82380
502771.98	3633325.90	0.77285	502821.98	3633325.90	0.76348
502871.98	3633325.90	0.91144	502921.98	3633325.90	0.94208
502971.98	3633325.90	0.92883	503021.98		

```
3633325.90        0.88490
         503071.98    3633325.90        0.98951                    503121.98
3633325.90        1.06775
         503171.98    3633325.90        1.09871                    503221.98
3633325.90        0.99292
         503271.98    3633325.90        0.86806                    503321.98
3633325.90        0.86479
         503371.98    3633325.90        0.82094                    503421.98
3633325.90        0.70047
         503471.98    3633325.90        0.56795                    503621.98
3633325.90        0.61407
         503671.98    3633325.90        0.59070                    503721.98
3633325.90        0.52841
         503771.98    3633325.90        0.50981                    503821.98
3633325.90        0.49398
         503871.98    3633325.90        0.49891                    503921.98
3633325.90        0.53061
         503971.98    3633325.90        0.56838                    504021.98
3633325.90        0.56516
         504071.98    3633325.90        0.55703                    504121.98
3633325.90        0.57443
         504171.98    3633325.90        0.55183                    504221.98
3633325.90        0.53758
         504271.98    3633325.90        0.54176                    504321.98
3633325.90        0.56151
         504371.98    3633325.90        0.56951                    504421.98
3633325.90        0.54767
         504471.98    3633325.90        0.53237                    504521.98
3633325.90        0.52600
         504571.98    3633325.90        0.53000                    504621.98
3633325.90        0.53964
         504671.98    3633325.90        0.55190                    504721.98
3633325.90        0.54987
         504771.98    3633325.90        0.54038                    504821.98
3633325.90        0.54179
         504871.98    3633325.90        0.55896                    504921.98
3633325.90        0.57138
         504971.98    3633325.90        0.56594                    505021.98
3633325.90        0.56078
         505071.98    3633325.90        0.55755                    505121.98
3633325.90        0.53987
         505171.98    3633325.90        0.52749                    505221.98
3633325.90        0.52735
         502221.98    3633375.90        0.60229                    502271.98
3633375.90        0.62322
         502321.98    3633375.90        0.64506                    502371.98
3633375.90        0.66786
         502421.98    3633375.90        0.69169                    502471.98
3633375.90        0.71652
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

503921.98 3633375.90 0.60040 503971.98
3633375.90 0.64822
504021.98 3633375.90 0.63241 504071.98
3633375.90 0.61811
504121.98 3633375.90 0.64055 504171.98
3633375.90 0.59799
504221.98 3633375.90 0.59061 504271.98
3633375.90 0.60724
504321.98 3633375.90 0.63319 504371.98
3633375.90 0.63865
504421.98 3633375.90 0.60299 504471.98
3633375.90 0.57983
504521.98 3633375.90 0.57169 504571.98
3633375.90 0.58069
504621.98 3633375.90 0.59330 504671.98
3633375.90 0.60851
504721.98 3633375.90 0.59709 504771.98
3633375.90 0.58382
504821.98 3633375.90 0.58941 504871.98
3633375.90 0.61874
504921.98 3633375.90 0.62553 504971.98
3633375.90 0.62105
505021.98 3633375.90 0.61188 505071.98
3633375.90 0.59211
505121.98 3633375.90 0.57134 505171.98
3633375.90 0.56023
505221.98 3633375.90 0.56278 502221.98
3633425.90 0.61754
502271.98 3633425.90 0.63957 502321.98
3633425.90 0.66259
502371.98 3633425.90 0.68686 502421.98
3633425.90 0.71240
502471.98 3633425.90 0.73946 502521.98
3633425.90 0.76714
502571.98 3633425.90 0.79604 502621.98
3633425.90 0.82614
502671.98 3633425.90 0.85759 502721.98
3633425.90 0.89027
502771.98 3633425.90 0.92415 502821.98
3633425.90 0.95932
502871.98 3633425.90 0.99560 502921.98
3633425.90 1.03274
502971.98 3633425.90 1.07097 503021.98
3633425.90 1.11011
503071.98 3633425.90 1.14955 503121.98
3633425.90 1.18969
503171.98 3633425.90 1.22909 503221.98
3633425.90 1.26790
503271.98 3633425.90 1.23238 503321.98
3633425.90 1.08024

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3633425.90 0.66310
504771.98 3633425.90 0.64902 504821.98
3633425.90 0.64697
504871.98 3633425.90 0.68244 504921.98
3633425.90 0.67936
504971.98 3633425.90 0.66672 505021.98
3633425.90 0.63693
505071.98 3633425.90 0.61677 505121.98
3633425.90 0.60350
505171.98 3633425.90 0.59636 505221.98
3633425.90 0.60138
502221.98 3633475.90 0.63303 502271.98
3633475.90 0.65628
502321.98 3633475.90 0.68078 502371.98
3633475.90 0.70661
502421.98 3633475.90 0.73386 502471.98
3633475.90 0.76283
502521.98 3633475.90 0.79241 502571.98
3633475.90 0.82354
502621.98 3633475.90 0.85614 502671.98
3633475.90 0.89018
504771.98 3633475.90 0.74684 504821.98
3633475.90 0.75071
504871.98 3633475.90 0.74819 504921.98
3633475.90 0.74259
504971.98 3633475.90 0.71332 505021.98
3633475.90 0.67456
505071.98 3633475.90 0.65478 505121.98
3633475.90 0.64209
505171.98 3633475.90 0.63246 505221.98
3633475.90 0.63371
502221.98 3633525.90 0.64892 502271.98
3633525.90 0.67349
502321.98 3633525.90 0.69936 502371.98
3633525.90 0.72708
502421.98 3633525.90 0.75623 502471.98
3633525.90 0.78670
502521.98 3633525.90 0.81830 502571.98
3633525.90 0.85117
502621.98 3633525.90 0.88656 502671.98
3633525.90 0.92353
504771.98 3633525.90 0.81118 504821.98
3633525.90 0.80449
504871.98 3633525.90 0.79820 504921.98
3633525.90 0.79112
504971.98 3633525.90 0.78108 505021.98
3633525.90 0.74377
505071.98 3633525.90 0.70658 505121.98
3633525.90 0.68128
505171.98 3633525.90 0.66863 505221.98

3633525.90   0.66352
         502221.98   3633575.90   0.66534   502271.98
3633575.90   0.69062
         502321.98   3633575.90   0.71799   502371.98
3633575.90   0.74750
         502421.98   3633575.90   0.77835   502471.98
3633575.90   0.81056
         502521.98   3633575.90   0.84440   502571.98
3633575.90   0.88017

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502621.98   3633575.90   0.91808   502671.98
3633575.90   0.95802
         504771.98   3633575.90   0.87211   504821.98
3633575.90   0.86527
         504871.98   3633575.90   0.85762   504921.98
3633575.90   0.84024
         504971.98   3633575.90   0.83633   505021.98
3633575.90   0.81347
         505071.98   3633575.90   0.76694   505121.98
3633575.90   0.72659
         505171.98   3633575.90   0.70688   505221.98
3633575.90   0.70214
         502221.98   3633625.90   0.68098   502271.98
3633625.90   0.70761
         502321.98   3633625.90   0.73698   502371.98
3633625.90   0.76800

```
         502421.98    3633625.90        0.80098                    502471.98
3633625.90        0.83499
         502521.98    3633625.90        0.87192                    502571.98
3633625.90        0.91049
         502621.98    3633625.90        0.95132                    502671.98
3633625.90        0.99424
         504771.98    3633625.90        0.93633                    504821.98
3633625.90        0.94926
         504871.98    3633625.90        0.92305                    504921.98
3633625.90        0.90499
         504971.98    3633625.90        0.89773                    505021.98
3633625.90        0.87423
         505071.98    3633625.90        0.81839                    505121.98
3633625.90        0.77387
         505171.98    3633625.90        0.74547                    505221.98
3633625.90        0.73992
         502221.98    3633675.90        0.69670                    502271.98
3633675.90        0.72449
         502321.98    3633675.90        0.75552                    502371.98
3633675.90        0.78806
         502421.98    3633675.90        0.82339                    502471.98
3633675.90        0.86017
         502521.98    3633675.90        0.89944                    502571.98
3633675.90        0.94083
         502621.98    3633675.90        0.98469                    502671.98
3633675.90        1.03110
         504771.98    3633675.90        1.03166                    504821.98
3633675.90        1.02521
         504871.98    3633675.90        1.01116                    504921.98
3633675.90        0.99224
         504971.98    3633675.90        0.96697                    505021.98
3633675.90        0.93070
         505071.98    3633675.90        0.86460                    505121.98
3633675.90        0.80804
         505171.98    3633675.90        0.77962                    505221.98
3633675.90        0.77163
         502221.98    3633725.90        0.71185                    502271.98
3633725.90        0.74123
         502321.98    3633725.90        0.77424                    502371.98
3633725.90        0.80894
         502421.98    3633725.90        0.84592                    502471.98
3633725.90        0.88523
         502521.98    3633725.90        0.92708                    502571.98
3633725.90        0.97156
         502621.98    3633725.90        1.01883                    502671.98
3633725.90        1.06893
         504771.98    3633725.90        1.17305                    504821.98
3633725.90        1.12406
         504871.98    3633725.90        1.10428                    504921.98
3633725.90        1.06646
```

```
         504971.98    3633725.90        1.02311                       505021.98
3633725.90        0.96773
         505071.98    3633725.90        0.89233                       505121.98
3633725.90        0.83717
         505171.98    3633725.90        0.81552                       505221.98
3633725.90        0.79815
         502221.98    3633775.90        0.72703                       502271.98
3633775.90        0.75793
         502321.98    3633775.90        0.79337                       502371.98
3633775.90        0.82974
         502421.98    3633775.90        0.86901                       502471.98
3633775.90        0.91017
         502521.98    3633775.90        0.95486                       502571.98
3633775.90        1.00253
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 285
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3633775.90        1.05314                       502671.98
3633775.90        1.10725
         504771.98    3633775.90        1.32468                       504821.98
3633775.90        1.26881
         504871.98    3633775.90        1.19485                       504921.98
3633775.90        1.11341
         504971.98    3633775.90        1.06300                       505021.98
3633775.90        0.99578
         505071.98    3633775.90        0.92999                       505121.98
3633775.90        0.87251
         505171.98    3633775.90        0.83881                       505221.98
```

3633775.90 0.81337
502221.98 3633825.90 0.74267 502271.98
3633825.90 0.77495
502321.98 3633825.90 0.81150 502371.98
3633825.90 0.85016
502421.98 3633825.90 0.89127 502471.98
3633825.90 0.93513
502521.98 3633825.90 0.98252 502571.98
3633825.90 1.03350
502621.98 3633825.90 1.08813 502671.98
3633825.90 1.14635
504771.98 3633825.90 1.45794 504821.98
3633825.90 1.36329
504871.98 3633825.90 1.21270 504921.98
3633825.90 1.12615
504971.98 3633825.90 1.07159 505021.98
3633825.90 1.02223
505071.98 3633825.90 0.95574 505121.98
3633825.90 0.88684
505171.98 3633825.90 0.84701 505221.98
3633825.90 0.81700
502221.98 3633875.90 0.75709 502271.98
3633875.90 0.79126
502321.98 3633875.90 0.82989 502371.98
3633875.90 0.86973
502421.98 3633875.90 0.91330 502471.98
3633875.90 0.95933
502521.98 3633875.90 1.00998 502571.98
3633875.90 1.06448
502621.98 3633875.90 1.12291 502671.98
3633875.90 1.18546
504771.98 3633875.90 1.55433 504821.98
3633875.90 1.39179
504871.98 3633875.90 1.24307 504921.98
3633875.90 1.15854
504971.98 3633875.90 1.08600 505021.98
3633875.90 1.01632
505071.98 3633875.90 0.96032 505121.98
3633875.90 0.89341
505171.98 3633875.90 0.85226 505221.98
3633875.90 0.82032
502221.98 3633925.90 0.77135 502271.98
3633925.90 0.80757
502321.98 3633925.90 0.84734 502371.98
3633925.90 0.88888
502421.98 3633925.90 0.93528 502471.98
3633925.90 0.98398
502521.98 3633925.90 1.03728 502571.98
3633925.90 1.09491
502621.98 3633925.90 1.15723 502671.98

```
3633925.90        1.22428
         504771.98    3633925.90        1.60149                       504821.98
3633925.90        1.43561
         504871.98    3633925.90        1.30840                       504921.98
3633925.90        1.18035
         504971.98    3633925.90        1.07796                       505021.98
3633925.90        1.00877
         505071.98    3633925.90        0.94939                       505121.98
3633925.90        0.89996
         505171.98    3633925.90        0.86700                       505221.98
3633925.90        0.83800
         502221.98    3633975.90        0.78547                       502271.98
3633975.90        0.82222
         502321.98    3633975.90        0.86352                       502371.98
3633975.90        0.90836
         502421.98    3633975.90        0.95642                       502471.98
3633975.90        1.00801
         502521.98    3633975.90        1.06427                       502571.98
3633975.90        1.12493
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 286
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3633975.90        1.19120                       502671.98
3633975.90        1.26264
         504771.98    3633975.90        1.60057                       504821.98
3633975.90        1.46753
         504871.98    3633975.90        1.34922                       504921.98
3633975.90        1.20960
```

504971.98 3633975.90 1.07571 505021.98
3633975.90 0.99920
505071.98 3633975.90 0.94562 505121.98
3633975.90 0.92154
505171.98 3633975.90 0.89464 505221.98
3633975.90 0.86443
502221.98 3634025.90 0.79890 502271.98
3634025.90 0.83684
502321.98 3634025.90 0.87959 502371.98
3634025.90 0.92634
502421.98 3634025.90 0.97643 502471.98
3634025.90 1.03065
502521.98 3634025.90 1.08964 502571.98
3634025.90 1.15393
502621.98 3634025.90 1.22432 502671.98
3634025.90 1.30072
504771.98 3634025.90 1.57977 504821.98
3634025.90 1.48044
504871.98 3634025.90 1.32541 504921.98
3634025.90 1.19286
504971.98 3634025.90 1.07433 505021.98
3634025.90 1.01091
505071.98 3634025.90 0.96624 505121.98
3634025.90 0.94728
505171.98 3634025.90 0.92269 505221.98
3634025.90 0.88471
502221.98 3634075.90 0.81052 502271.98
3634075.90 0.85058
502321.98 3634075.90 0.89474 502371.98
3634075.90 0.94253
502421.98 3634075.90 0.99421 502471.98
3634075.90 1.05099
502521.98 3634075.90 1.11336 502571.98
3634075.90 1.18203
502621.98 3634075.90 1.25607 502671.98
3634075.90 1.33787
504771.98 3634075.90 1.58387 504821.98
3634075.90 1.46017
504871.98 3634075.90 1.29975 504921.98
3634075.90 1.19178
504971.98 3634075.90 1.09993 505021.98
3634075.90 1.03443
505071.98 3634075.90 0.98705 505121.98
3634075.90 0.95623
505171.98 3634075.90 0.92769 505221.98
3634075.90 0.88455
502221.98 3634125.90 0.82079 502271.98
3634125.90 0.86373
502321.98 3634125.90 0.90904 502371.98
3634125.90 0.95919

```
         502421.98    3634125.90        1.01297                        502471.98
3634125.90        1.07170
         502521.98    3634125.90        1.13587                        502571.98
3634125.90        1.20642
         502621.98    3634125.90        1.28613                        502671.98
3634125.90        1.37324
         504771.98    3634125.90        1.52528                        504821.98
3634125.90        1.42206
         504871.98    3634125.90        1.31304                        504921.98
3634125.90        1.18884
         504971.98    3634125.90        1.11076                        505021.98
3634125.90        1.03466
         505071.98    3634125.90        0.98157                        505121.98
3634125.90        0.94446
         505171.98    3634125.90        0.90434                        505221.98
3634125.90        0.85858
         502221.98    3634175.90        0.82906                        502271.98
3634175.90        0.87300
         502321.98    3634175.90        0.91960                        502371.98
3634175.90        0.97542
         502421.98    3634175.90        1.03117                        502471.98
3634175.90        1.09203
         502521.98    3634175.90        1.15829                        502571.98
3634175.90        1.23174
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 287
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634175.90        1.31278                        502671.98
```

3634175.90 1.40374
504771.98 3634175.90 1.48684 504821.98
3634175.90 1.36844
504871.98 3634175.90 1.26082 504921.98
3634175.90 1.16445
504971.98 3634175.90 1.07477 505021.98
3634175.90 1.00133
505071.98 3634175.90 0.92768 505121.98
3634175.90 0.89765
505171.98 3634175.90 0.85881 505221.98
3634175.90 0.82666
502221.98 3634225.90 0.83898 502271.98
3634225.90 0.88296
502321.98 3634225.90 0.93384 502371.98
3634225.90 0.98945
502421.98 3634225.90 1.04757 502471.98
3634225.90 1.11065
502521.98 3634225.90 1.17914 502571.98
3634225.90 1.25567
502621.98 3634225.90 1.33980 502671.98
3634225.90 1.43386
504771.98 3634225.90 1.41264 504821.98
3634225.90 1.28098
504871.98 3634225.90 1.18446 504921.98
3634225.90 1.08658
504971.98 3634225.90 1.02374 505021.98
3634225.90 0.94321
505071.98 3634225.90 0.87393 505121.98
3634225.90 0.84290
505171.98 3634225.90 0.79217 505221.98
3634225.90 0.78599
502221.98 3634275.90 0.84800 502271.98
3634275.90 0.89312
502321.98 3634275.90 0.94416 502371.98
3634275.90 1.00184
502421.98 3634275.90 1.06143 502471.98
3634275.90 1.12635
502521.98 3634275.90 1.19795 502571.98
3634275.90 1.27673
502621.98 3634275.90 1.36479 502671.98
3634275.90 1.46264
504771.98 3634275.90 1.29687 504821.98
3634275.90 1.18039
504871.98 3634275.90 1.09279 504921.98
3634275.90 1.02568
504971.98 3634275.90 0.99128 505021.98
3634275.90 0.90494
505071.98 3634275.90 0.84743 505121.98
3634275.90 0.82516
505171.98 3634275.90 0.76466 505221.98

3634275.90   0.76481
         502221.98   3634325.90   0.85649   502271.98
3634325.90   0.90332
         502321.98   3634325.90   0.95391   502371.98
3634325.90   1.00927
         502421.98   3634325.90   1.06970   502471.98
3634325.90   1.13565
         502521.98   3634325.90   1.20877   502571.98
3634325.90   1.28953
         502621.98   3634325.90   1.37917   502671.98
3634325.90   1.48006
         504771.98   3634325.90   1.21728   504821.98
3634325.90   1.14447
         504871.98   3634325.90   1.07751   504921.98
3634325.90   1.03454
         504971.98   3634325.90   0.99492   505021.98
3634325.90   0.89934
         505071.98   3634325.90   0.84667   505121.98
3634325.90   0.83831
         505171.98   3634325.90   0.77827   505221.98
3634325.90   0.75366
         502221.98   3634375.90   0.86468   502271.98
3634375.90   0.91225
         502321.98   3634375.90   0.96233   502371.98
3634375.90   1.01733
         502421.98   3634375.90   1.08070   502471.98
3634375.90   1.15030
         502521.98   3634375.90   1.22775   502571.98
3634375.90   1.31121

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634375.90	1.40112	502671.98	3634375.90	1.49887
504771.98	3634375.90	1.21380	504821.98	3634375.90	1.17699
504871.98	3634375.90	1.11428	504921.98	3634375.90	1.07437
504971.98	3634375.90	1.00896	505021.98	3634375.90	0.90725
505071.98	3634375.90	0.85993	505121.98	3634375.90	0.85852
505171.98	3634375.90	0.79934	505221.98	3634375.90	0.75336
502221.98	3634425.90	0.87245	502271.98	3634425.90	0.92085
502321.98	3634425.90	0.97310	502371.98	3634425.90	1.03029
502421.98	3634425.90	1.09336	502471.98	3634425.90	1.16219
502521.98	3634425.90	1.23907	502571.98	3634425.90	1.32396
502621.98	3634425.90	1.41871	502671.98	3634425.90	1.52442
504771.98	3634425.90	1.21453	504821.98	3634425.90	1.17287
504871.98	3634425.90	1.16643	504921.98	3634425.90	1.15128
504971.98	3634425.90	1.02707	505021.98	3634425.90	0.95310
505071.98	3634425.90	0.92353	505121.98	3634425.90	0.88695
505171.98	3634425.90	0.82116	505221.98	3634425.90	0.76517
502221.98	3634475.90	0.87670	502271.98	3634475.90	0.92532
502321.98	3634475.90	0.97823	502371.98	3634475.90	1.03615
502421.98	3634475.90	1.09973	502471.98	3634475.90	1.16955
502521.98	3634475.90	1.24748	502571.98	3634475.90	1.33364
502621.98	3634475.90	1.42968	502671.98	3634475.90	1.53740
504771.98	3634475.90	1.22521	504821.98	3634475.90	1.15544
504871.98	3634475.90	1.16030	504921.98	3634475.90	1.24261

```
         504971.98    3634475.90        1.13052                        505021.98
3634475.90        1.05500
         505071.98    3634475.90        1.00873                        505121.98
3634475.90        0.93698
         505171.98    3634475.90        0.86108                        505221.98
3634475.90        0.79707
         502221.98    3634525.90        0.87969                        502271.98
3634525.90        0.92829
         502321.98    3634525.90        0.98147                        502371.98
3634525.90        1.03984
         502421.98    3634525.90        1.10376                        502471.98
3634525.90        1.17437
         502521.98    3634525.90        1.25238                        502571.98
3634525.90        1.33944
         502621.98    3634525.90        1.43651                        502671.98
3634525.90        1.54635
         504771.98    3634525.90        1.33713                        504821.98
3634525.90        1.22720
         504871.98    3634525.90        1.22737                        504921.98
3634525.90        1.34433
         504971.98    3634525.90        1.32902                        505021.98
3634525.90        1.21504
         505071.98    3634525.90        1.11781                        505121.98
3634525.90        1.00413
         505171.98    3634525.90        0.90247                        505221.98
3634525.90        0.81974
         502221.98    3634575.90        0.88186                        502271.98
3634575.90        0.92978
         502321.98    3634575.90        0.98283                        502371.98
3634575.90        1.04121
         502421.98    3634575.90        1.10542                        502471.98
3634575.90        1.17632
         502521.98    3634575.90        1.25456                        502571.98
3634575.90        1.34168
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 289
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634575.90	1.43902	502671.98	3634575.90	1.54886
504771.98	3634575.90	1.60481	504821.98	3634575.90	1.45263
504871.98	3634575.90	1.47519	504921.98	3634575.90	1.57179
504971.98	3634575.90	1.45595	505021.98	3634575.90	1.28181
505071.98	3634575.90	1.15515	505121.98	3634575.90	1.04550
505171.98	3634575.90	0.89350	505221.98	3634575.90	0.81919
502221.98	3634625.90	0.88192	502271.98	3634625.90	0.93043
502321.98	3634625.90	0.98239	502371.98	3634625.90	1.04050
502421.98	3634625.90	1.10439	502471.98	3634625.90	1.17502
502521.98	3634625.90	1.25396	502571.98	3634625.90	1.34068
502621.98	3634625.90	1.43761	502671.98	3634625.90	1.54603
504771.98	3634625.90	2.01578	504821.98	3634625.90	1.95963
504871.98	3634625.90	1.81419	504921.98	3634625.90	1.67032
504971.98	3634625.90	1.48697	505021.98	3634625.90	1.30722
505071.98	3634625.90	1.15023	505121.98	3634625.90	1.04514
505171.98	3634625.90	0.88193	505221.98	3634625.90	0.80655
502221.98	3634675.90	0.87989	502271.98	3634675.90	0.92886
502321.98	3634675.90	0.98181	502371.98	3634675.90	1.03938
502421.98	3634675.90	1.10291	502471.98	3634675.90	1.17285
502521.98	3634675.90	1.25010	502571.98	3634675.90	1.33609
502621.98	3634675.90	1.43181	502671.98		

3634675.90   1.53845
         504771.98   3634675.90   2.19798   504821.98
3634675.90   2.02828
         504871.98   3634675.90   1.82092   504921.98
3634675.90   1.68612
         504971.98   3634675.90   1.54353   505021.98
3634675.90   1.32544
         505071.98   3634675.90   1.12616   505121.98
3634675.90   1.03271
         505171.98   3634675.90   0.89911   505221.98
3634675.90   0.81491
         502221.98   3634725.90   0.87669   502271.98
3634725.90   0.92492
         502321.98   3634725.90   0.97650   502371.98
3634725.90   1.03357
         502421.98   3634725.90   1.09698   502471.98
3634725.90   1.16608
         502521.98   3634725.90   1.24190   502571.98
3634725.90   1.32658
         502621.98   3634725.90   1.42034   502671.98
3634725.90   1.52544
         504771.98   3634725.90   2.15068   504821.98
3634725.90   1.99673
         504871.98   3634725.90   1.84924   504921.98
3634725.90   1.68026
         504971.98   3634725.90   1.49781   505021.98
3634725.90   1.25046
         505071.98   3634725.90   1.10028   505121.98
3634725.90   1.00141
         505171.98   3634725.90   0.87561   505221.98
3634725.90   0.81512
         502221.98   3634775.90   0.87266   502271.98
3634775.90   0.92014
         502321.98   3634775.90   0.97029   502371.98
3634775.90   1.02598
         502421.98   3634775.90   1.08716   502471.98
3634775.90   1.15484
         502521.98   3634775.90   1.23056   502571.98
3634775.90   1.31263

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002

```
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634775.90        1.40393                      502671.98
3634775.90        1.50578
         504771.98    3634775.90        2.08884                      504821.98
3634775.90        1.94772
         504871.98    3634775.90        1.81354                      504921.98
3634775.90        1.62786
         504971.98    3634775.90        1.35033                      505021.98
3634775.90        1.14811
         505071.98    3634775.90        1.06541                      505121.98
3634775.90        0.98636
         505171.98    3634775.90        0.86331                      505221.98
3634775.90        0.79694
         502221.98    3634825.90        0.86650                      502271.98
3634825.90        0.91283
         502321.98    3634825.90        0.96286                      502371.98
3634825.90        1.01754
         502421.98    3634825.90        1.07679                      502471.98
3634825.90        1.14139
         502521.98    3634825.90        1.21515                      502571.98
3634825.90        1.29484
         502621.98    3634825.90        1.38281                      502671.98
3634825.90        1.48050
         504771.98    3634825.90        2.01082                      504821.98
3634825.90        1.88810
         504871.98    3634825.90        1.73656                      504921.98
3634825.90        1.50145
         504971.98    3634825.90        1.18324                      505021.98
3634825.90        1.01342
         505071.98    3634825.90        0.96780                      505121.98
3634825.90        0.92121
         505171.98    3634825.90        0.83287                      505221.98
3634825.90        0.77703
         502221.98    3634875.90        0.85809                      502271.98
3634875.90        0.90336
         502321.98    3634875.90        0.95217                      502371.98
3634875.90        1.00544
```

```
         502421.98    3634875.90        1.06343                        502471.98
3634875.90        1.12681
         502521.98    3634875.90        1.19632                        502571.98
3634875.90        1.27277
         502621.98    3634875.90        1.35706                        502671.98
3634875.90        1.45029
         504771.98    3634875.90        1.93131                        504821.98
3634875.90        1.81134
         504871.98    3634875.90        1.67470                        504921.98
3634875.90        1.39370
         504971.98    3634875.90        1.10015                        505021.98
3634875.90        0.94669
         505071.98    3634875.90        0.86686                        505121.98
3634875.90        0.84291
         505171.98    3634875.90        0.79231                        505221.98
3634875.90        0.75744
         502221.98    3634925.90        0.84802                        502271.98
3634925.90        0.89205
         502321.98    3634925.90        0.93941                        502371.98
3634925.90        0.99081
         502421.98    3634925.90        1.04673                        502471.98
3634925.90        1.10764
         502521.98    3634925.90        1.17437                        502571.98
3634925.90        1.24745
         502621.98    3634925.90        1.32778                        502671.98
3634925.90        1.41625
         504771.98    3634925.90        1.85373                        504821.98
3634925.90        1.73931
         504871.98    3634925.90        1.61943                        504921.98
3634925.90        1.37601
         504971.98    3634925.90        1.09230                        505021.98
3634925.90        0.90713
         505071.98    3634925.90        0.81919                        505121.98
3634925.90        0.79423
         505171.98    3634925.90        0.75697                        505221.98
3634925.90        0.73230
         502221.98    3634975.90        0.83641                        502271.98
3634975.90        0.87901
         502321.98    3634975.90        0.92477                        502371.98
3634975.90        0.97425
         502421.98    3634975.90        1.02795                        502471.98
3634975.90        1.08635
         502521.98    3634975.90        1.15002                        502571.98
3634975.90        1.21959
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634975.90	1.29580	502671.98	3634975.90	1.37949
504821.98	3634975.90	1.66849	504871.98	3634975.90	1.56345
504921.98	3634975.90	1.40785	504971.98	3634975.90	1.07501
505021.98	3634975.90	0.90173	505071.98	3634975.90	0.81068
505121.98	3634975.90	0.80384	505171.98	3634975.90	0.76728
505221.98	3634975.90	0.72781	502221.98	3635025.90	0.82350
502271.98	3635025.90	0.86462	502321.98	3635025.90	0.90861
502371.98	3635025.90	0.95613	502421.98	3635025.90	1.00747
502471.98	3635025.90	1.06321	502521.98	3635025.90	1.12375
502571.98	3635025.90	1.18978	502621.98	3635025.90	1.26183
502671.98	3635025.90	1.34075	504871.98	3635025.90	1.50665
504921.98	3635025.90	1.37030	504971.98	3635025.90	1.11257
505021.98	3635025.90	0.90727	505071.98	3635025.90	0.83146
505121.98	3635025.90	0.83653	505171.98	3635025.90	0.80423
505221.98	3635025.90	0.74993	502221.98	3635075.90	0.80980
502271.98	3635075.90	0.84918	502321.98		

```
3635075.90        0.89111
         502371.98    3635075.90        0.93662                    502421.98
3635075.90        0.98553
         502471.98    3635075.90        1.03852                    502521.98
3635075.90        1.09603
         502571.98    3635075.90        1.15857                    502621.98
3635075.90        1.22667
         502671.98    3635075.90        1.30079                    504921.98
3635075.90        1.36118
         504971.98    3635075.90        1.22510                    505021.98
3635075.90        0.96886
         505071.98    3635075.90        0.91041                    505121.98
3635075.90        0.90697
         505171.98    3635075.90        0.90782                    505221.98
3635075.90        0.83825
         502221.98    3635125.90        0.79493                    502271.98
3635125.90        0.83281
         502321.98    3635125.90        0.87287                    502371.98
3635125.90        0.91619
         502421.98    3635125.90        0.96279                    502471.98
3635125.90        1.01300
         502521.98    3635125.90        1.06755                    502571.98
3635125.90        1.12666
         502621.98    3635125.90        1.19072                    502671.98
3635125.90        1.26044
         505021.98    3635125.90        1.13234                    505071.98
3635125.90        1.04506
         505121.98    3635125.90        1.02881                    505171.98
3635125.90        1.00340
         505221.98    3635125.90        0.89531                    502221.98
3635175.90        0.77936
         502271.98    3635175.90        0.81566                    502321.98
3635175.90        0.85388
         502371.98    3635175.90        0.89503                    502421.98
3635175.90        0.93928
         502471.98    3635175.90        0.98691                    502521.98
3635175.90        1.03834
         502571.98    3635175.90        1.09423                    502621.98
3635175.90        1.15474
         502671.98    3635175.90        1.22004                    505121.98
3635175.90        1.03972
         505171.98    3635175.90        0.99122                    505221.98
3635175.90        0.94101
         502221.98    3635225.90        0.76343                    502271.98
3635225.90        0.79790
         502321.98    3635225.90        0.83455                    502371.98
3635225.90        0.87374
         502421.98    3635225.90        0.91575                    502471.98
3635225.90        0.96092
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         502321.98    3635375.90        0.80977                    502371.98
3635375.90        0.83985
         502421.98    3635375.90        0.87142                    502471.98
3635375.90        0.90422
         502521.98    3635375.90        0.93759                    502571.98
3635375.90        0.97424
         502621.98    3635375.90        1.01364                    502671.98
3635375.90        1.05667
         502221.98    3635425.90        0.73239                    502271.98
3635425.90        0.75431
         502321.98    3635425.90        0.78106                    502371.98
3635425.90        0.80895
         502421.98    3635425.90        0.83822                    502471.98
3635425.90        0.86832
         502521.98    3635425.90        0.89988                    502571.98
3635425.90        0.93391
         502621.98    3635425.90        0.97067                    502671.98
3635425.90        1.01114
         504771.98    3635425.90        1.22589                    502221.98
3635475.90        0.70721
         502271.98    3635475.90        0.72983                    502321.98
3635475.90        0.75435
         502371.98    3635475.90        0.77994                    502421.98
3635475.90        0.80629
         502471.98    3635475.90        0.83119                    502521.98
3635475.90        0.86342
         502571.98    3635475.90        0.89585                    502621.98
3635475.90        0.93125
         502671.98    3635475.90        0.96569                    504771.98
3635475.90        1.20788
         504821.98    3635475.90        1.14566                    504871.98
3635475.90        1.09148
         504921.98    3635475.90        1.03853                    502221.98
3635525.90        0.68034
         502271.98    3635525.90        0.70530                    502321.98
3635525.90        0.72771
         502371.98    3635525.90        0.75113                    502421.98
3635525.90        0.77504
         502471.98    3635525.90        0.79947                    502521.98
3635525.90        0.82862
         502571.98    3635525.90        0.85866                    502621.98
3635525.90        0.88994
         502671.98    3635525.90        0.92216                    502721.98
3635525.90        0.95854
         502771.98    3635525.90        1.00024                    502821.98
3635525.90        1.04492
         502871.98    3635525.90        1.09389                    502921.98
3635525.90        1.14364
         502971.98    3635525.90        1.19583                    503021.98
3635525.90        1.24964
```

```
         503071.98    3635525.90        1.30630                      503121.98
3635525.90        1.36817
         503171.98    3635525.90        1.41825                      503221.98
3635525.90        1.45947
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 293
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503271.98    3635525.90        1.50964                      503321.98
3635525.90        1.56200
         503371.98    3635525.90        1.61643                      503421.98
3635525.90        1.67065
         503471.98    3635525.90        1.73667                      503521.98
3635525.90        1.79278
         503571.98    3635525.90        1.81389                      503621.98
3635525.90        1.82236
         503671.98    3635525.90        1.84399                      503721.98
3635525.90        1.87151
         503771.98    3635525.90        1.90316                      503821.98
3635525.90        1.93005
         503871.98    3635525.90        1.93784                      503921.98
3635525.90        1.97770
         503971.98    3635525.90        2.00860                      504021.98
3635525.90        1.95379
         504071.98    3635525.90        1.88559                      504121.98
3635525.90        1.74402
         504171.98    3635525.90        1.78828                      504221.98
3635525.90        1.66495
         504271.98    3635525.90        1.61852                      504321.98
```

```
3635525.90        1.57085
         504371.98    3635525.90        1.52187                    504421.98
3635525.90        1.47169
         504471.98    3635525.90        1.42125                    504521.98
3635525.90        1.37023
         504571.98    3635525.90        1.35998                    504621.98
3635525.90        1.32195
         504671.98    3635525.90        1.27175                    504721.98
3635525.90        1.22600
         504771.98    3635525.90        1.16815                    504821.98
3635525.90        1.11407
         504871.98    3635525.90        1.06124                    504921.98
3635525.90        1.00659
         504971.98    3635525.90        0.96250                    505021.98
3635525.90        0.92216
         505071.98    3635525.90        0.88171                    505121.98
3635525.90        0.84403
         505171.98    3635525.90        0.80880                    505221.98
3635525.90        0.77567
         502221.98    3635575.90        0.65119                    502271.98
3635575.90        0.68038
         502321.98    3635575.90        0.70135                    502371.98
3635575.90        0.72245
         502421.98    3635575.90        0.74402                    502471.98
3635575.90        0.76884
         502521.98    3635575.90        0.79726                    502571.98
3635575.90        0.82609
         502621.98    3635575.90        0.85520                    502671.98
3635575.90        0.88569
         502721.98    3635575.90        0.92043                    502771.98
3635575.90        0.96091
         502821.98    3635575.90        1.00254                    502871.98
3635575.90        1.04626
         502921.98    3635575.90        1.09205                    502971.98
3635575.90        1.13751
         503021.98    3635575.90        1.18470                    503071.98
3635575.90        1.23618
         503121.98    3635575.90        1.29014                    503171.98
3635575.90        1.33367
         503221.98    3635575.90        1.37301                    503271.98
3635575.90        1.42234
         503321.98    3635575.90        1.47167                    503371.98
3635575.90        1.52370
         503421.98    3635575.90        1.57582                    503471.98
3635575.90        1.63135
         503521.98    3635575.90        1.68113                    503571.98
3635575.90        1.70937
         503621.98    3635575.90        1.70575                    503671.98
3635575.90        1.72088
         503721.98    3635575.90        1.74012                    503771.98
```

3635575.90   1.75745
         503821.98   3635575.90   1.77052   503871.98
3635575.90   1.79566
         503921.98   3635575.90   1.82274   503971.98
3635575.90   1.84965
         504021.98   3635575.90   1.75803   504071.98
3635575.90   1.72048
         504121.98   3635575.90   1.71080   504171.98
3635575.90   1.69718

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         504221.98   3635575.90   1.59253   504271.98
3635575.90   1.51117
         504321.98   3635575.90   1.46980   504371.98
3635575.90   1.42694
         504421.98   3635575.90   1.38318   504471.98
3635575.90   1.33944
         504521.98   3635575.90   1.29449   504571.98
3635575.90   1.25005
         504621.98   3635575.90   1.25937   504671.98
3635575.90   1.21388
         504721.98   3635575.90   1.17030   504771.98
3635575.90   1.12575
         504821.98   3635575.90   1.07937   504871.98
3635575.90   1.02786
         504921.98   3635575.90   0.97499   504971.98
3635575.90   0.93586

505021.98 3635575.90 0.89693 505071.98 3635575.90 0.85859
505121.98 3635575.90 0.82432 505171.98 3635575.90 0.78825
505221.98 3635575.90 0.75811 502221.98 3635625.90 0.62026
502271.98 3635625.90 0.64964 502321.98 3635625.90 0.67183
502371.98 3635625.90 0.69499 502421.98 3635625.90 0.70975
502471.98 3635625.90 0.73211 502521.98 3635625.90 0.75795
502571.98 3635625.90 0.79300 502621.98 3635625.90 0.82546
502671.98 3635625.90 0.85344 502721.98 3635625.90 0.88473
502771.98 3635625.90 0.92015 502821.98 3635625.90 0.95685
502871.98 3635625.90 0.99579 502921.98 3635625.90 1.03659
502971.98 3635625.90 1.07843 503021.98 3635625.90 1.12087
503071.98 3635625.90 1.16443 503121.98 3635625.90 1.20835
503171.98 3635625.90 1.25229 503221.98 3635625.90 1.29619
503271.98 3635625.90 1.34151 503321.98 3635625.90 1.38669
503371.98 3635625.90 1.43230 503421.98 3635625.90 1.47938
503471.98 3635625.90 1.52677 503521.98 3635625.90 1.57238
503571.98 3635625.90 1.60509 503621.98 3635625.90 1.61284
503671.98 3635625.90 1.62717 503721.98 3635625.90 1.63979
503771.98 3635625.90 1.65060 503821.98 3635625.90 1.65658
503871.98 3635625.90 1.65201 503921.98 3635625.90 1.68036
503971.98 3635625.90 1.70052 504021.98 3635625.90 1.64024
504071.98 3635625.90 1.61575 504121.98 3635625.90 1.60171
504171.98 3635625.90 1.58175 504221.98 3635625.90 1.56319
504271.98 3635625.90 1.52309 504321.98 3635625.90 1.37798
504371.98 3635625.90 1.34081 504421.98 3635625.90 1.30221

```
         504471.98    3635625.90        1.26368                       504521.98
3635625.90        1.22440
         504571.98    3635625.90        1.18533                       504621.98
3635625.90        1.14557
         504671.98    3635625.90        1.14092                       504721.98
3635625.90        1.11718
         504771.98    3635625.90        1.08376                       504821.98
3635625.90        1.04276
         504871.98    3635625.90        0.99577                       504921.98
3635625.90        0.94554
         504971.98    3635625.90        0.91119                       505021.98
3635625.90        0.86653
         505071.98    3635625.90        0.83018                       505121.98
3635625.90        0.80199
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 295
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         505171.98    3635625.90        0.76861                       505221.98
3635625.90        0.73793
         502221.98    3635675.90        0.58904                       502271.98
3635675.90        0.61923
         502321.98    3635675.90        0.63949                       502371.98
3635675.90        0.66200
         502421.98    3635675.90        0.68136                       502471.98
3635675.90        0.70511
         502521.98    3635675.90        0.73111                       502571.98
3635675.90        0.76164
         502621.98    3635675.90        0.79252                       502671.98
```

3635675.90 0.82262
502721.98 3635675.90 0.85082 502771.98
3635675.90 0.87751
502821.98 3635675.90 0.91176 502871.98
3635675.90 0.94645
502921.98 3635675.90 0.97291 502971.98
3635675.90 1.01720
503021.98 3635675.90 1.05269 503071.98
3635675.90 1.09382
503121.98 3635675.90 1.13229 503171.98
3635675.90 1.17139
503221.98 3635675.90 1.21776 503271.98
3635675.90 1.25965
503321.98 3635675.90 1.29900 503371.98
3635675.90 1.34207
503421.98 3635675.90 1.38940 503471.98
3635675.90 1.42995
503521.98 3635675.90 1.46961 503571.98
3635675.90 1.50648
503621.98 3635675.90 1.51727 503671.98
3635675.90 1.52505
503721.98 3635675.90 1.54339 503771.98
3635675.90 1.55417
503821.98 3635675.90 1.55260 503871.98
3635675.90 1.54921
503921.98 3635675.90 1.57921 503971.98
3635675.90 1.58813
504021.98 3635675.90 1.54171 504071.98
3635675.90 1.52255
504121.98 3635675.90 1.49703 504171.98
3635675.90 1.47760
504221.98 3635675.90 1.45754 504271.98
3635675.90 1.43439
504321.98 3635675.90 1.38101 504371.98
3635675.90 1.26189
504421.98 3635675.90 1.22850 504471.98
3635675.90 1.25823
504521.98 3635675.90 1.23312 504571.98
3635675.90 1.12455
504621.98 3635675.90 1.14841 504671.98
3635675.90 1.10056
504721.98 3635675.90 1.06335 504771.98
3635675.90 1.05719
504821.98 3635675.90 1.00572 504871.98
3635675.90 0.96369
504921.98 3635675.90 0.91758 504971.98
3635675.90 0.88705
505021.98 3635675.90 0.84746 505071.98
3635675.90 0.80905
505121.98 3635675.90 0.78261 505171.98

3635675.90   0.75102
         505221.98   3635675.90   0.72072   502221.98
3635725.90   0.56399
         502271.98   3635725.90   0.59340   502321.98
3635725.90   0.61642
         502371.98   3635725.90   0.64015   502421.98
3635725.90   0.65805
         502471.98   3635725.90   0.68157   502521.98
3635725.90   0.70416
         502571.98   3635725.90   0.73610   502621.98
3635725.90   0.76574
         502671.98   3635725.90   0.79192   502721.98
3635725.90   0.81945
         502771.98   3635725.90   0.84502   502821.98
3635725.90   0.87411
         502871.98   3635725.90   0.90612   502921.98
3635725.90   0.92565
         502971.98   3635725.90   0.96130   503021.98
3635725.90   0.99027

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

503371.98 3635725.90 1.25477 503421.98
3635725.90 1.30477
503471.98 3635725.90 1.34562 503521.98
3635725.90 1.38247
503571.98 3635725.90 1.41109 503621.98
3635725.90 1.43107
503671.98 3635725.90 1.43175 503721.98
3635725.90 1.45011
503771.98 3635725.90 1.45764 503821.98
3635725.90 1.45393
503871.98 3635725.90 1.45263 503921.98
3635725.90 1.47491
503971.98 3635725.90 1.49016 504021.98
3635725.90 1.45513
504071.98 3635725.90 1.44222 504121.98
3635725.90 1.41514
504171.98 3635725.90 1.39806 504221.98
3635725.90 1.40095
504271.98 3635725.90 1.37559 504321.98
3635725.90 1.32068
504371.98 3635725.90 1.28351 504421.98
3635725.90 1.16002
504471.98 3635725.90 1.21451 504521.98
3635725.90 1.18450
504571.98 3635725.90 1.13253 504621.98
3635725.90 1.10005
504671.98 3635725.90 1.06845 504721.98
3635725.90 1.02075
504771.98 3635725.90 0.98692 504821.98
3635725.90 0.96310
504871.98 3635725.90 0.92422 504921.98
3635725.90 0.88928
504971.98 3635725.90 0.86293 505021.98
3635725.90 0.83007
505071.98 3635725.90 0.79162 505121.98
3635725.90 0.76458
505171.98 3635725.90 0.73391 505221.98
3635725.90 0.70465
502221.98 3635775.90 0.54316 502271.98
3635775.90 0.57319
502321.98 3635775.90 0.59479 502371.98
3635775.90 0.61898
502421.98 3635775.90 0.63698 502471.98
3635775.90 0.65871
502521.98 3635775.90 0.68102 502571.98
3635775.90 0.70737
502621.98 3635775.90 0.73374 502671.98
3635775.90 0.75993
502721.98 3635775.90 0.79037 502771.98
3635775.90 0.81838

```
         502821.98    3635775.90        0.84412                        502871.98
3635775.90        0.87063
         502921.98    3635775.90        0.88892                        502971.98
3635775.90        0.92135
         503021.98    3635775.90        0.93956                        503071.98
3635775.90        0.97304
         503121.98    3635775.90        1.00350                        503171.98
3635775.90        1.04133
         503221.98    3635775.90        1.02550                        503271.98
3635775.90        1.03092
         503321.98    3635775.90        1.08183                        503371.98
3635775.90        1.16055
         503421.98    3635775.90        1.22103                        503471.98
3635775.90        1.26300
         503521.98    3635775.90        1.28804                        503571.98
3635775.90        1.33025
         503621.98    3635775.90        1.35469                        503671.98
3635775.90        1.35994
         503721.98    3635775.90        1.35778                        503771.98
3635775.90        1.36827
         503821.98    3635775.90        1.37015                        503871.98
3635775.90        1.38276
         503921.98    3635775.90        1.41185                        503971.98
3635775.90        1.41912
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 297
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         504021.98    3635775.90        1.38304                        504071.98
```

3635775.90 1.39829
504121.98 3635775.90 1.36658 504171.98
3635775.90 1.34965
504221.98 3635775.90 1.34401 504271.98
3635775.90 1.32333
504321.98 3635775.90 1.27169 504371.98
3635775.90 1.22966
504421.98 3635775.90 1.18830 504471.98
3635775.90 1.16705
504521.98 3635775.90 1.13458 504571.98
3635775.90 1.08786
504621.98 3635775.90 1.05835 504671.98
3635775.90 1.02033
504721.98 3635775.90 0.98188 504771.98
3635775.90 0.95246
504821.98 3635775.90 0.92220 504871.98
3635775.90 0.89203
504921.98 3635775.90 0.86127 504971.98
3635775.90 0.83998
505021.98 3635775.90 0.80972 505071.98
3635775.90 0.77272
505121.98 3635775.90 0.74567 505171.98
3635775.90 0.71716
505221.98 3635775.90 0.68977 502221.98
3635825.90 0.52482
502271.98 3635825.90 0.55431 502321.98
3635825.90 0.57587
502371.98 3635825.90 0.59999 502421.98
3635825.90 0.61661
502471.98 3635825.90 0.63792 502521.98
3635825.90 0.65842
502571.98 3635825.90 0.68372 502621.98
3635825.90 0.70891
502671.98 3635825.90 0.73417 502721.98
3635825.90 0.75991
502771.98 3635825.90 0.78792 502821.98
3635825.90 0.81285
502871.98 3635825.90 0.83774 502921.98
3635825.90 0.85421
502971.98 3635825.90 0.88448 503021.98
3635825.90 0.88912
503071.98 3635825.90 0.90904 503121.98
3635825.90 0.94198
503171.98 3635825.90 0.97876 503221.98
3635825.90 0.94751
503271.98 3635825.90 0.96608 503321.98
3635825.90 1.01107
503371.98 3635825.90 1.09408 503421.98
3635825.90 1.14351
503471.98 3635825.90 1.18705 503521.98

3635825.90   1.15716
         503571.98   3635825.90   1.20262   503621.98
3635825.90   1.26125
         503671.98   3635825.90   1.29096   503721.98
3635825.90   1.29278
         503771.98   3635825.90   1.28869   503821.98
3635825.90   1.29578
         503871.98   3635825.90   1.30551   503921.98
3635825.90   1.32488
         503971.98   3635825.90   1.34241   504021.98
3635825.90   1.31660
         504071.98   3635825.90   1.34782   504121.98
3635825.90   1.34345
         504171.98   3635825.90   1.30713   504221.98
3635825.90   1.29204
         504271.98   3635825.90   1.28735   504321.98
3635825.90   1.24242
         504371.98   3635825.90   1.19019   504421.98
3635825.90   1.15030
         504471.98   3635825.90   1.12499   504521.98
3635825.90   1.10027
         504571.98   3635825.90   1.05157   504621.98
3635825.90   1.01887
         504671.98   3635825.90   0.98031   504721.98
3635825.90   0.93989
         504771.98   3635825.90   0.91198   504821.98
3635825.90   0.89045
         504871.98   3635825.90   0.86541   504921.98
3635825.90   0.83589

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504971.98	3635825.90	0.81187	505021.98	3635825.90	0.78452
505071.98	3635825.90	0.75723	505121.98	3635825.90	0.72768
505171.98	3635825.90	0.70173	505221.98	3635825.90	0.67556
502221.98	3635875.90	0.50907	502271.98	3635875.90	0.53816
502321.98	3635875.90	0.56046	502371.98	3635875.90	0.58169
502421.98	3635875.90	0.59785	502471.98	3635875.90	0.61774
502521.98	3635875.90	0.63609	502571.98	3635875.90	0.65998
502621.98	3635875.90	0.68054	502671.98	3635875.90	0.70497
502721.98	3635875.90	0.73147	502771.98	3635875.90	0.75819
502821.98	3635875.90	0.78142	502871.98	3635875.90	0.80555
502921.98	3635875.90	0.81419	502971.98	3635875.90	0.84239
503021.98	3635875.90	0.84340	503071.98	3635875.90	0.86200
503121.98	3635875.90	0.88964	503171.98	3635875.90	0.92354
503221.98	3635875.90	0.93346	503271.98	3635875.90	0.93724
503321.98	3635875.90	0.99548	503371.98	3635875.90	1.03047
503421.98	3635875.90	1.07774	503471.98	3635875.90	1.10613
503521.98	3635875.90	1.02096	503571.98	3635875.90	1.12743
503621.98	3635875.90	1.19344	503671.98	3635875.90	1.21623
503721.98	3635875.90	1.21929	503771.98	3635875.90	1.21964
503821.98	3635875.90	1.22778	503871.98	3635875.90	1.24383
503921.98	3635875.90	1.25328	503971.98	3635875.90	1.26456
504021.98	3635875.90	1.25892	504071.98	3635875.90	1.28013
504121.98	3635875.90	1.27827	504171.98	3635875.90	1.26377

```
         504221.98    3635875.90        1.26111                        504271.98
3635875.90        1.24841
         504321.98    3635875.90        1.20914                        504371.98
3635875.90        1.17116
         504421.98    3635875.90        1.13969                        504471.98
3635875.90        1.09129
         504521.98    3635875.90        1.05547                        504571.98
3635875.90        1.01967
         504621.98    3635875.90        0.98494                        504671.98
3635875.90        0.94885
         504721.98    3635875.90        0.90418                        504771.98
3635875.90        0.87817
         504821.98    3635875.90        0.85817                        504871.98
3635875.90        0.83312
         504921.98    3635875.90        0.80885                        504971.98
3635875.90        0.79063
         505021.98    3635875.90        0.76133                        505071.98
3635875.90        0.73396
         505121.98    3635875.90        0.71046                        505171.98
3635875.90        0.68564
         505221.98    3635875.90        0.66181                        502221.98
3635925.90        0.49306
         502271.98    3635925.90        0.52215                        502321.98
3635925.90        0.54213
         502371.98    3635925.90        0.56464                        502421.98
3635925.90        0.57993
         502471.98    3635925.90        0.59847                        502521.98
3635925.90        0.61387
         502571.98    3635925.90        0.63542                        502621.98
3635925.90        0.65646
         502671.98    3635925.90        0.67968                        502721.98
3635925.90        0.70485
         502771.98    3635925.90        0.73061                        502821.98
3635925.90        0.75172
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 299
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502871.98	3635925.90	0.77491	502921.98	3635925.90	0.78097
502971.98	3635925.90	0.80298	503021.98	3635925.90	0.80444
503071.98	3635925.90	0.81861	503121.98	3635925.90	0.84358
503171.98	3635925.90	0.86738	503221.98	3635925.90	0.88182
503271.98	3635925.90	0.90621	503321.98	3635925.90	0.94406
503371.98	3635925.90	0.98190	503421.98	3635925.90	1.01721
503471.98	3635925.90	1.00285	503521.98	3635925.90	0.96954
503571.98	3635925.90	1.05277	503621.98	3635925.90	1.13466
503671.98	3635925.90	1.14934	503721.98	3635925.90	1.15587
503771.98	3635925.90	1.16108	503821.98	3635925.90	1.16511
503871.98	3635925.90	1.16955	503921.98	3635925.90	1.18058
503971.98	3635925.90	1.19416	504021.98	3635925.90	1.19763
504071.98	3635925.90	1.20787	504121.98	3635925.90	1.21429
504171.98	3635925.90	1.21566	504221.98	3635925.90	1.21671
504271.98	3635925.90	1.19676	504321.98	3635925.90	1.16852
504371.98	3635925.90	1.14595	504421.98	3635925.90	1.11985
504471.98	3635925.90	1.08310	504521.98	3635925.90	1.03859
504571.98	3635925.90	0.99265	504621.98	3635925.90	0.94446
504671.98	3635925.90	0.91916	504721.98	3635925.90	0.88563
504771.98	3635925.90	0.85309	504821.98	3635925.90	0.82243
504871.98	3635925.90	0.80136	504921.98		

3635925.90   0.77962
         504971.98   3635925.90   0.76776   505021.98
3635925.90   0.74674
         505071.98   3635925.90   0.72255   505121.98
3635925.90   0.69446
         505171.98   3635925.90   0.67010   505221.98
3635925.90   0.65173
         502221.98   3635975.90   0.47397   502271.98
3635975.90   0.50256
         502321.98   3635975.90   0.52266   502371.98
3635975.90   0.54600
         502421.98   3635975.90   0.56101   502471.98
3635975.90   0.57919
         502521.98   3635975.90   0.59486   502571.98
3635975.90   0.61776
         502621.98   3635975.90   0.63740   502671.98
3635975.90   0.65704
         502721.98   3635975.90   0.68005   502771.98
3635975.90   0.70312
         502821.98   3635975.90   0.72278   502871.98
3635975.90   0.74575
         502921.98   3635975.90   0.75150   502971.98
3635975.90   0.77152
         503021.98   3635975.90   0.77088   503071.98
3635975.90   0.78874
         503121.98   3635975.90   0.80425   503171.98
3635975.90   0.82425
         503221.98   3635975.90   0.84255   503271.98
3635975.90   0.87217
         503321.98   3635975.90   0.90249   503371.98
3635975.90   0.94602
         503421.98   3635975.90   0.93433   503471.98
3635975.90   0.92842
         503521.98   3635975.90   0.96615   503571.98
3635975.90   1.04555
         503621.98   3635975.90   1.07587   503671.98
3635975.90   1.08844
         503721.98   3635975.90   1.09582   503771.98
3635975.90   1.10049

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002

, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         502421.98    3632475.90        0.40776                        502521.98
3632475.90        0.42303
         502621.98    3632475.90        0.43816                        502721.98
3632475.90        0.40822
         502821.98    3632475.90        0.40892                        502921.98
3632475.90        0.41047
         503021.98    3632475.90        0.40112                        503121.98
3632475.90        0.38847
         503221.98    3632475.90        0.40511                        503321.98
3632475.90        0.38459
         503421.98    3632475.90        0.37421                        503721.98
3632475.90        0.35770
         503821.98    3632475.90        0.33111                        503921.98
3632475.90        0.30567
         504021.98    3632475.90        0.28484                        504121.98
3632475.90        0.27969
         504221.98    3632475.90        0.26255                        504321.98
3632475.90        0.25569
         504421.98    3632475.90        0.27367                        504521.98
3632475.90        0.29213
         504621.98    3632475.90        0.25542                        504721.98
3632475.90        0.24190
         504821.98    3632475.90        0.24256                        504921.98
3632475.90        0.23859
         505021.98    3632475.90        0.23056                        505121.98
3632475.90        0.23282
         505221.98    3632475.90        0.22691                        505321.98
3632475.90        0.22606
         505421.98    3632475.90        0.22769                        505521.98
3632475.90        0.22970
         505621.98    3632475.90        0.23485                        505721.98
3632475.90        0.24414
         501721.98    3632575.90        0.32230                        501821.98
3632575.90        0.33608
         501921.98    3632575.90        0.35049                        502021.98
3632575.90        0.36550
         502121.98    3632575.90        0.38112                        502221.98
3632575.90        0.39737
         502321.98    3632575.90        0.41405                        502421.98
3632575.90        0.43111
         502521.98    3632575.90        0.44843                        502621.98
3632575.90        0.46582
         502721.98    3632575.90        0.48299                        502821.98
3632575.90        0.45611
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502921.98	3632575.90	0.44685	503021.98	3632575.90	0.43845
503121.98	3632575.90	0.43519	503221.98	3632575.90	0.43153
503321.98	3632575.90	0.41677	503421.98	3632575.90	0.39863
503721.98	3632575.90	0.36713	503821.98	3632575.90	0.33773
503921.98	3632575.90	0.27072	504021.98	3632575.90	0.25564
504121.98	3632575.90	0.25459	504221.98	3632575.90	0.25286
504321.98	3632575.90	0.24761	504421.98	3632575.90	0.25636
504521.98	3632575.90	0.28388	504621.98	3632575.90	0.27329
504721.98	3632575.90	0.24947	504821.98	3632575.90	0.25349
504921.98	3632575.90	0.24828	505021.98	3632575.90	0.24097
505121.98	3632575.90	0.24562	505221.98	3632575.90	0.24651
505321.98	3632575.90	0.24666	505421.98	3632575.90	0.24999
505521.98	3632575.90	0.25186	505621.98	3632575.90	0.25864
505721.98	3632575.90	0.26521	501721.98	3632675.90	0.33534
501821.98	3632675.90	0.35038	501921.98	3632675.90	0.36623
502021.98	3632675.90	0.38278	502121.98		

```
3632675.90        0.40012
         502221.98    3632675.90        0.41824                    502321.98
3632675.90        0.43695
         502421.98    3632675.90        0.45626                    502521.98
3632675.90        0.47599
         502621.98    3632675.90        0.49590                    502721.98
3632675.90        0.51583
         502821.98    3632675.90        0.45804                    502921.98
3632675.90        0.43889
         503021.98    3632675.90        0.43297                    503721.98
3632675.90        0.39161
         503821.98    3632675.90        0.36915                    503921.98
3632675.90        0.33399
         504021.98    3632675.90        0.29190                    504121.98
3632675.90        0.27371
         504221.98    3632675.90        0.26614                    504321.98
3632675.90        0.26428
         504421.98    3632675.90        0.26957                    504521.98
3632675.90        0.27649
         504621.98    3632675.90        0.27265                    504721.98
3632675.90        0.26871
         504821.98    3632675.90        0.26999                    504921.98
3632675.90        0.26468
         505021.98    3632675.90        0.26181                    505121.98
3632675.90        0.26532
         505221.98    3632675.90        0.26715                    505321.98
3632675.90        0.26658
         505421.98    3632675.90        0.27148                    505521.98
3632675.90        0.27954
         505621.98    3632675.90        0.28533                    505721.98
3632675.90        0.28134
         502421.98    3632775.90        0.42676                    502521.98
3632775.90        0.42334
         502621.98    3632775.90        0.45141                    502721.98
3632775.90        0.55182
         502821.98    3632775.90        0.46956                    502921.98
3632775.90        0.39683
         503021.98    3632775.90        0.36669                    503121.98
3632775.90        0.40638
         503221.98    3632775.90        0.44510                    503621.98
3632775.90        0.44519
         503721.98    3632775.90        0.42865                    503821.98
3632775.90        0.38012
         503921.98    3632775.90        0.37177                    504021.98
3632775.90        0.35875
         504121.98    3632775.90        0.32436                    504221.98
3632775.90        0.29958
         504321.98    3632775.90        0.28883                    504421.98
3632775.90        0.29007
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

503021.98 3632875.90 0.29803 503121.98
3632875.90 0.37007
503221.98 3632875.90 0.50724 503321.98
3632875.90 0.52849
503421.98 3632875.90 0.52458 503621.98
3632875.90 0.48365
503721.98 3632875.90 0.46140 503821.98
3632875.90 0.40200
503921.98 3632875.90 0.34868 504021.98
3632875.90 0.34362
504121.98 3632875.90 0.33699 504221.98
3632875.90 0.32041
504321.98 3632875.90 0.31635 504421.98
3632875.90 0.31354
504521.98 3632875.90 0.31215 504621.98
3632875.90 0.31190
504721.98 3632875.90 0.31390 504821.98
3632875.90 0.31169
504921.98 3632875.90 0.31410 505021.98
3632875.90 0.31812
505121.98 3632875.90 0.31838 505221.98
3632875.90 0.31935
505321.98 3632875.90 0.32497 505421.98
3632875.90 0.33731
505521.98 3632875.90 0.33942 505621.98
3632875.90 0.34128
505721.98 3632875.90 0.33222 501721.98
3632975.90 0.37743
501821.98 3632975.90 0.39706 501921.98
3632975.90 0.41796
502021.98 3632975.90 0.44021 502121.98
3632975.90 0.46387
505321.98 3632975.90 0.37014 505421.98
3632975.90 0.37425
505521.98 3632975.90 0.37624 505621.98
3632975.90 0.37160
505721.98 3632975.90 0.36001 501721.98
3633075.90 0.39205
501821.98 3633075.90 0.41343 501921.98
3633075.90 0.43647
502021.98 3633075.90 0.46105 502121.98
3633075.90 0.48739
505321.98 3633075.90 0.41115 505421.98
3633075.90 0.41559
505521.98 3633075.90 0.41534 505621.98
3633075.90 0.40646
505721.98 3633075.90 0.38729 501721.98
3633175.90 0.40689
501821.98 3633175.90 0.43023 501921.98
3633175.90 0.45537

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502021.98	3633175.90	0.48259	502121.98	3633175.90	0.51151
505321.98	3633175.90	0.45486	505421.98	3633175.90	0.45226
505521.98	3633175.90	0.45161	505621.98	3633175.90	0.44523
505721.98	3633175.90	0.42010	501721.98	3633275.90	0.42183
501821.98	3633275.90	0.44739	501921.98	3633275.90	0.47491
502021.98	3633275.90	0.50485	502121.98	3633275.90	0.53692
505321.98	3633275.90	0.50595	505421.98	3633275.90	0.49030
505521.98	3633275.90	0.48817	505621.98	3633275.90	0.48236
505721.98	3633275.90	0.45418	501721.98	3633375.90	0.43669
501821.98	3633375.90	0.46434	501921.98	3633375.90	0.49439
502021.98	3633375.90	0.52724	502121.98	3633375.90	0.56310
505321.98	3633375.90	0.56629	505421.98	3633375.90	0.53298
505521.98	3633375.90	0.51641	505621.98		

3633375.90 0.51259
505721.98 3633375.90 0.49175 501721.98
3633475.90 0.45153
501821.98 3633475.90 0.48141 501921.98
3633475.90 0.51431
502021.98 3633475.90 0.55030 502121.98
3633475.90 0.58950
505321.98 3633475.90 0.61994 505421.98
3633475.90 0.57432
505521.98 3633475.90 0.55562 505621.98
3633475.90 0.54000
505721.98 3633475.90 0.52086 501721.98
3633575.90 0.46610
501821.98 3633575.90 0.49830 501921.98
3633575.90 0.53373
502021.98 3633575.90 0.57285 502121.98
3633575.90 0.61667
505321.98 3633575.90 0.66611 505421.98
3633575.90 0.61214
505521.98 3633575.90 0.58656 505621.98
3633575.90 0.56071
505721.98 3633575.90 0.52617 501721.98
3633675.90 0.48037
501821.98 3633675.90 0.51456 501921.98
3633675.90 0.55289
502021.98 3633675.90 0.59560 502121.98
3633675.90 0.64319
505321.98 3633675.90 0.70126 505421.98
3633675.90 0.62573
505521.98 3633675.90 0.58130 505621.98
3633675.90 0.54851
505721.98 3633675.90 0.52958 501721.98
3633775.90 0.49408
501821.98 3633775.90 0.53052 501921.98
3633775.90 0.57137
502021.98 3633775.90 0.61722 502121.98
3633775.90 0.66871
505321.98 3633775.90 0.70890 505421.98
3633775.90 0.63178
505521.98 3633775.90 0.58052 505621.98
3633775.90 0.56040
505721.98 3633775.90 0.55286 501721.98
3633875.90 0.50677
501821.98 3633875.90 0.54576 501921.98
3633875.90 0.58825
502021.98 3633875.90 0.63807 502121.98
3633875.90 0.69346
505321.98 3633875.90 0.71525 505421.98
3633875.90 0.66739
505521.98 3633875.90 0.62273 505621.98

```
3633875.90        0.58446
         505721.98    3633875.90        0.57013                      501721.98
3633975.90        0.51852
         501821.98    3633975.90        0.55927                      501921.98
3633975.90        0.60524
         502021.98    3633975.90        0.65718                      502121.98
3633975.90        0.71698
         505321.98    3633975.90        0.75466                      505421.98
3633975.90        0.69783
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 304
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         505521.98    3633975.90        0.63853                      505621.98
3633975.90        0.58490
         505721.98    3633975.90        0.54928                      501721.98
3634075.90        0.52900
         501821.98    3634075.90        0.57166                      501921.98
3634075.90        0.61990
         502021.98    3634075.90        0.67475                      502121.98
3634075.90        0.73755
         505321.98    3634075.90        0.73637                      505421.98
3634075.90        0.66386
         505521.98    3634075.90        0.61835                      505621.98
3634075.90        0.56819
         505721.98    3634075.90        0.50363                      501721.98
3634175.90        0.53717
         501821.98    3634175.90        0.58213                      501921.98
3634175.90        0.63257
```

```
         502021.98    3634175.90        0.68829                    502121.98
3634175.90        0.75506
         505321.98    3634175.90        0.71282                    505421.98
3634175.90        0.65751
         505521.98    3634175.90        0.61149                    505621.98
3634175.90        0.52927
         505721.98    3634175.90        0.46675                    501721.98
3634275.90        0.54407
         501821.98    3634275.90        0.58936                    501921.98
3634275.90        0.64093
         502021.98    3634275.90        0.69971                    502121.98
3634275.90        0.76811
         505321.98    3634275.90        0.75568                    505421.98
3634275.90        0.70260
         505521.98    3634275.90        0.57568                    505621.98
3634275.90        0.51572
         505721.98    3634275.90        0.45831                    501721.98
3634375.90        0.55056
         501821.98    3634375.90        0.59757                    501921.98
3634375.90        0.64958
         502021.98    3634375.90        0.71007                    502121.98
3634375.90        0.78184
         505321.98    3634375.90        0.77662                    505421.98
3634375.90        0.69624
         505521.98    3634375.90        0.54432                    505621.98
3634375.90        0.47420
         505721.98    3634375.90        0.43146                    501721.98
3634475.90        0.55504
         501821.98    3634475.90        0.60276                    501921.98
3634475.90        0.65696
         502021.98    3634475.90        0.71992                    502121.98
3634475.90        0.79173
         505321.98    3634475.90        0.74590                    505421.98
3634475.90        0.78357
         505521.98    3634475.90        0.61848                    505621.98
3634475.90        0.50576
         505721.98    3634475.90        0.42696                    501721.98
3634575.90        0.55724
         501821.98    3634575.90        0.60471                    501921.98
3634575.90        0.65917
         502021.98    3634575.90        0.72245                    502121.98
3634575.90        0.79603
         505321.98    3634575.90        0.73911                    505421.98
3634575.90        0.82983
         505521.98    3634575.90        0.72619                    505621.98
3634575.90        0.54994
         505721.98    3634575.90        0.45635                    501721.98
3634675.90        0.55775
         501821.98    3634675.90        0.60556                    501921.98
3634675.90        0.65983
```

```
         502021.98    3634675.90        0.72277                       502121.98
3634675.90        0.79378
         505321.98    3634675.90        0.76165                       505421.98
3634675.90        0.84462
         505521.98    3634675.90        0.83385                       505621.98
3634675.90        0.68020
         505721.98    3634675.90        0.52722                       501721.98
3634775.90        0.55569
         501821.98    3634775.90        0.60306                       501921.98
3634775.90        0.65624
         502021.98    3634775.90        0.71838                       502121.98
3634775.90        0.78966
         505321.98    3634775.90        0.78742                       505421.98
3634775.90        0.93905
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         505521.98    3634775.90        0.85786                       505621.98
3634775.90        0.75826
         505721.98    3634775.90        0.64513                       501721.98
3634875.90        0.55119
         501821.98    3634875.90        0.59749                       501921.98
3634875.90        0.64954
         502021.98    3634875.90        0.70905                       502121.98
3634875.90        0.77808
         505321.98    3634875.90        0.86413                       505421.98
3634875.90        0.93682
         505521.98    3634875.90        0.85621                       505621.98
```

3634875.90 0.78511
505721.98 3634875.90 0.71689 501721.98
3634975.90 0.54453
501821.98 3634975.90 0.58852 501921.98
3634975.90 0.63812
502021.98 3634975.90 0.69508 502121.98
3634975.90 0.76080
505321.98 3634975.90 0.89918 505421.98
3634975.90 0.89818
505521.98 3634975.90 0.82622 505621.98
3634975.90 0.76293
505721.98 3634975.90 0.70672 501721.98
3635075.90 0.62797
501821.98 3635075.90 0.61439 501921.98
3635075.90 0.76165
502021.98 3635075.90 0.81146 502121.98
3635075.90 0.73899
505321.98 3635075.90 0.88519 505421.98
3635075.90 0.84626
505521.98 3635075.90 0.78252 505621.98
3635075.90 0.72653
505721.98 3635075.90 0.67563 501721.98
3635175.90 0.63822
501821.98 3635175.90 0.67352 501921.98
3635175.90 0.74667
502021.98 3635175.90 0.78947 502121.98
3635175.90 0.82110
505321.98 3635175.90 0.86681 505421.98
3635175.90 0.79800
505521.98 3635175.90 0.73819 505621.98
3635175.90 0.68612
505721.98 3635175.90 0.64052 501721.98
3635275.90 0.62746
501821.98 3635275.90 0.66291 501921.98
3635275.90 0.70216
502021.98 3635275.90 0.74313 502121.98
3635275.90 0.77501
505621.98 3635275.90 0.65041 505721.98
3635275.90 0.60765
501721.98 3635375.90 0.57987 501821.98
3635375.90 0.61181
501921.98 3635375.90 0.64314 502021.98
3635375.90 0.67596
502121.98 3635375.90 0.71800 505621.98
3635375.90 0.61923
501721.98 3635475.90 0.52316 501821.98
3635475.90 0.55004
501921.98 3635475.90 0.58674 502021.98
3635475.90 0.62546
502121.98 3635475.90 0.66097 505621.98

3635475.90   0.59719
         505721.98   3635475.90   0.55872   501721.98
3635575.90   0.47491
         501821.98   3635575.90   0.50175   501921.98
3635575.90   0.53867
         502021.98   3635575.90   0.57121   502121.98
3635575.90   0.60095
         505321.98   3635575.90   0.70147   505421.98
3635575.90   0.65698
         505521.98   3635575.90   0.61291   505621.98
3635575.90   0.57315
         505721.98   3635575.90   0.53706   501721.98
3635675.90   0.42968
         501821.98   3635675.90   0.46140   501921.98
3635675.90   0.49388
         502021.98   3635675.90   0.52260   502121.98
3635675.90   0.54882
         505321.98   3635675.90   0.66832   505421.98
3635675.90   0.61940

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         502021.98    3635775.90        0.48497                    502121.98
3635775.90        0.51294
         505321.98    3635775.90        0.64007                    505421.98
3635775.90        0.59636
         505521.98    3635775.90        0.55732                    505621.98
3635775.90        0.52165
         505721.98    3635775.90        0.49164                    501721.98
3635875.90        0.35397
         501821.98    3635875.90        0.38959                    501921.98
3635875.90        0.42455
         502021.98    3635875.90        0.44777                    502121.98
3635875.90        0.47581
         505321.98    3635875.90        0.61862                    505421.98
3635875.90        0.57217
         505521.98    3635875.90        0.53550                    505621.98
3635875.90        0.50247
         505721.98    3635875.90        0.47326                    501721.98
3635975.90        0.33075
         501821.98    3635975.90        0.36591                    501921.98
3635975.90        0.39549
         502021.98    3635975.90        0.41507                    502121.98
3635975.90        0.44120
         505321.98    3635975.90        0.59285                    505421.98
3635975.90        0.55101
         505521.98    3635975.90        0.51536                    505621.98
3635975.90        0.48472
         505721.98    3635975.90        0.45585                    501721.98
3636075.90        0.31782
         501821.98    3636075.90        0.34123                    501921.98
3636075.90        0.36700
         502021.98    3636075.90        0.38653                    502121.98
3636075.90        0.41246
         502221.98    3636075.90        0.44602                    502321.98
3636075.90        0.48904
         502421.98    3636075.90        0.52700                    502521.98
3636075.90        0.55945
         502621.98    3636075.90        0.59461                    502721.98
3636075.90        0.63480
         502821.98    3636075.90        0.67202                    502921.98
3636075.90        0.69698
         503021.98    3636075.90        0.72047                    503121.98
3636075.90        0.72195
         503221.98    3636075.90        0.77299                    503321.98
3636075.90        0.83465
         503421.98    3636075.90        0.88577                    503521.98
3636075.90        0.93584
         503621.98    3636075.90        0.96780                    503721.98
3636075.90        0.98354
         503821.98    3636075.90        0.99353                    503921.98
3636075.90        1.00444
```

```
         504021.98    3636075.90        1.02331                        504121.98
3636075.90        1.02978
         504221.98    3636075.90        1.02987                        504321.98
3636075.90        1.02482
         504421.98    3636075.90        0.98090                        504521.98
3636075.90        0.92269
         504621.98    3636075.90        0.88859                        504721.98
3636075.90        0.85814
         504821.98    3636075.90        0.79155                        504921.98
3636075.90        0.72803
         505021.98    3636075.90        0.68758                        505121.98
3636075.90        0.64601
         505221.98    3636075.90        0.60605                        505321.98
3636075.90        0.56956
         505421.98    3636075.90        0.52863                        505521.98
3636075.90        0.49846
         505621.98    3636075.90        0.46820                        505721.98
3636075.90        0.44079
         501721.98    3636175.90        0.29511                        501821.98
3636175.90        0.31739
         501921.98    3636175.90        0.34380                        502021.98
3636175.90        0.36416
         502121.98    3636175.90        0.38952                        502221.98
3636175.90        0.42328
```


```
                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN    ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         502321.98    3636175.90        0.46351                        502421.98
```

3636175.90 0.49913
502521.98 3636175.90 0.52886 502621.98
3636175.90 0.56192
502721.98 3636175.90 0.59134 502821.98
3636175.90 0.61965
502921.98 3636175.90 0.64292 503021.98
3636175.90 0.65610
503121.98 3636175.90 0.62872 503221.98
3636175.90 0.69435
503321.98 3636175.90 0.75887 503421.98
3636175.90 0.80464
503521.98 3636175.90 0.83986 503621.98
3636175.90 0.87031
503721.98 3636175.90 0.88188 503821.98
3636175.90 0.88399
503921.98 3636175.90 0.88826 504021.98
3636175.90 0.89200
504121.98 3636175.90 0.88376 504221.98
3636175.90 0.88991
504321.98 3636175.90 0.83757 504421.98
3636175.90 0.76002
504521.98 3636175.90 0.65279 504621.98
3636175.90 0.69061
504721.98 3636175.90 0.78608 504821.98
3636175.90 0.75125
504921.98 3636175.90 0.71682 505021.98
3636175.90 0.66529
505121.98 3636175.90 0.61367 505221.98
3636175.90 0.58068
505321.98 3636175.90 0.55013 505421.98
3636175.90 0.51725
505521.98 3636175.90 0.48272 505621.98
3636175.90 0.45391
505721.98 3636175.90 0.42752 501721.98
3636275.90 0.28109
501821.98 3636275.90 0.30046 501921.98
3636275.90 0.32448
502021.98 3636275.90 0.34960 502121.98
3636275.90 0.37952
502221.98 3636275.90 0.41130 502321.98
3636275.90 0.44257
502421.98 3636275.90 0.47274 502521.98
3636275.90 0.50219
502621.98 3636275.90 0.52572 502721.98
3636275.90 0.54985
502821.98 3636275.90 0.57107 502921.98
3636275.90 0.58841
503021.98 3636275.90 0.60950 503121.98
3636275.90 0.60922
503221.98 3636275.90 0.61631 503321.98

3636275.90   0.66080
         503421.98   3636275.90   0.71342   503521.98
3636275.90   0.74956
         503621.98   3636275.90   0.77488   503721.98
3636275.90   0.78676
         503821.98   3636275.90   0.78777   503921.98
3636275.90   0.78778
         504021.98   3636275.90   0.77592   504121.98
3636275.90   0.74570
         504221.98   3636275.90   0.67827   504321.98
3636275.90   0.56288
         504421.98   3636275.90   0.54052   504521.98
3636275.90   0.51402
         504621.98   3636275.90   0.54392   504721.98
3636275.90   0.60444
         504821.98   3636275.90   0.54615   504921.98
3636275.90   0.63871
         505021.98   3636275.90   0.63187   505121.98
3636275.90   0.58337
         505221.98   3636275.90   0.55428   505321.98
3636275.90   0.52971
         505421.98   3636275.90   0.50149   505521.98
3636275.90   0.46923
         505621.98   3636275.90   0.44166   505721.98
3636275.90   0.41669
         501721.98   3636375.90   0.26724   501821.98
3636375.90   0.28721
         501921.98   3636375.90   0.31339   502021.98
3636375.90   0.33625

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502121.98	3636375.90	0.36401	502221.98	3636375.90	0.39011
502321.98	3636375.90	0.41571	502421.98	3636375.90	0.44700
502521.98	3636375.90	0.47367	502621.98	3636375.90	0.49812
502721.98	3636375.90	0.51137	502821.98	3636375.90	0.52214
502921.98	3636375.90	0.53278	503021.98	3636375.90	0.54327
503121.98	3636375.90	0.54190	503221.98	3636375.90	0.54072
503321.98	3636375.90	0.57373	503421.98	3636375.90	0.63686
503521.98	3636375.90	0.66514	503621.98	3636375.90	0.68439
503721.98	3636375.90	0.70035	503821.98	3636375.90	0.70482
503921.98	3636375.90	0.68251	504021.98	3636375.90	0.66687
504121.98	3636375.90	0.62201	504221.98	3636375.90	0.54800
504321.98	3636375.90	0.49573	504421.98	3636375.90	0.47604
504521.98	3636375.90	0.46577	504621.98	3636375.90	0.47686
504721.98	3636375.90	0.49876	504821.98	3636375.90	0.45661
504921.98	3636375.90	0.45055	505021.98	3636375.90	0.56579
505121.98	3636375.90	0.56555	505221.98	3636375.90	0.53622
505321.98	3636375.90	0.50989	505421.98	3636375.90	0.48255
505521.98	3636375.90	0.45661	505621.98	3636375.90	0.43072
505721.98	3636375.90	0.40662	501721.98	3636475.90	0.24918
501821.98	3636475.90	0.26977	501921.98	3636475.90	0.30048
502021.98	3636475.90	0.31942	502121.98	3636475.90	0.34135
502221.98	3636475.90	0.36776	502321.98	3636475.90	0.39699
502421.98	3636475.90	0.42590	502521.98	3636475.90	0.44717

```
         502621.98    3636475.90        0.46567                        502721.98
3636475.90        0.47625
         502821.98    3636475.90        0.47512                        502921.98
3636475.90        0.48332
         503021.98    3636475.90        0.48451                        503121.98
3636475.90        0.47783
         503221.98    3636475.90        0.47757                        503321.98
3636475.90        0.51437
         503421.98    3636475.90        0.55625                        503521.98
3636475.90        0.58722
         503621.98    3636475.90        0.60546                        503721.98
3636475.90        0.62355
         503821.98    3636475.90        0.61070                        503921.98
3636475.90        0.59151
         504021.98    3636475.90        0.49397                        504121.98
3636475.90        0.50468
         504221.98    3636475.90        0.50106                        504321.98
3636475.90        0.44791
         504421.98    3636475.90        0.43380                        504521.98
3636475.90        0.42556
         504621.98    3636475.90        0.41910                        504721.98
3636475.90        0.41328
         504821.98    3636475.90        0.40373                        504921.98
3636475.90        0.41993
         505021.98    3636475.90        0.51289                        505121.98
3636475.90        0.54178
         505221.98    3636475.90        0.51351                        505321.98
3636475.90        0.48876
         505421.98    3636475.90        0.46334                        505521.98
3636475.90        0.44072
         505621.98    3636475.90        0.41849                        505721.98
3636475.90        0.39598
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633475.90	1.01923	502771.98	3633475.90	1.06556
502821.98	3633475.90	1.11415	502871.98	3633475.90	1.16519
502921.98	3633475.90	1.21812	502971.98	3633475.90	1.27396
503021.98	3633475.90	1.33219	503071.98	3633475.90	1.39202
503121.98	3633475.90	1.45423	503171.98	3633475.90	1.51783
503221.98	3633475.90	1.57993	503271.98	3633475.90	1.64286
503321.98	3633475.90	1.37269	503371.98	3633475.90	1.01853
503421.98	3633475.90	1.03632	503471.98	3633475.90	1.06837
503521.98	3633475.90	1.12919	503621.98	3633475.90	1.14976
503671.98	3633475.90	1.02133	503721.98	3633475.90	0.93691
503771.98	3633475.90	0.95134	503821.98	3633475.90	0.91107
503871.98	3633475.90	0.91770	503921.98	3633475.90	0.99289
503971.98	3633475.90	1.00228	504021.98	3633475.90	0.95883
504071.98	3633475.90	0.97311	504121.98	3633475.90	1.01238
504171.98	3633475.90	0.96973	504221.98	3633475.90	0.98771
504271.98	3633475.90	1.02226	504321.98	3633475.90	1.02499
504371.98	3633475.90	0.93856	504421.98	3633475.90	0.88512
504471.98	3633475.90	0.85738	504521.98	3633475.90	0.84755
504571.98	3633475.90	0.85985	504621.98	3633475.90	0.88210
504671.98	3633475.90	0.89531	504721.98	3633475.90	0.91904
502721.98	3633525.90	1.05865	502771.98	3633525.90	1.10898
502821.98	3633525.90	1.16230	502871.98		

```
3633525.90        1.21902
         502921.98    3633525.90        1.27819                          502971.98
3633525.90        1.34032
         503021.98    3633525.90        1.40532                          503071.98
3633525.90        1.47315
         503121.98    3633525.90        1.54317                          503171.98
3633525.90        1.61553
         503221.98    3633525.90        1.68915                          503271.98
3633525.90        1.76048
         503321.98    3633525.90        1.83316                          503371.98
3633525.90        1.37633
         503421.98    3633525.90        1.33613                          503471.98
3633525.90        1.34327
         503521.98    3633525.90        1.31866                          503621.98
3633525.90        1.43003
         503671.98    3633525.90        1.33220                          503721.98
3633525.90        1.32448
         503771.98    3633525.90        1.19231                          503821.98
3633525.90        1.07829
         503871.98    3633525.90        1.12408                          503921.98
3633525.90        1.21554
         503971.98    3633525.90        1.17689                          504021.98
3633525.90        1.10743
         504071.98    3633525.90        1.12968                          504121.98
3633525.90        1.18819
         504171.98    3633525.90        1.18681                          504221.98
3633525.90        1.19523
         504271.98    3633525.90        1.16114                          504321.98
3633525.90        1.01968
         504371.98    3633525.90        0.97585                          504421.98
3633525.90        0.94482
         504471.98    3633525.90        0.92949                          504521.98
3633525.90        0.94424
         504571.98    3633525.90        0.97453                          504621.98
3633525.90        1.00105
         504671.98    3633525.90        1.00420                          504721.98
3633525.90        0.99543
```



```
                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
```

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633575.90	1.09901	502771.98	3633575.90	1.15376
502821.98	3633575.90	1.21251	502871.98	3633575.90	1.27497
502921.98	3633575.90	1.34044	502971.98	3633575.90	1.40983
503021.98	3633575.90	1.48289	503071.98	3633575.90	1.55939
503121.98	3633575.90	1.63860	503171.98	3633575.90	1.72149
503221.98	3633575.90	1.80701	503271.98	3633575.90	1.89266
503321.98	3633575.90	1.97630	503371.98	3633575.90	1.73958
503421.98	3633575.90	1.72072	503471.98	3633575.90	1.68023
503521.98	3633575.90	1.77638	503621.98	3633575.90	1.57521
503671.98	3633575.90	1.59712	503721.98	3633575.90	1.62779
503771.98	3633575.90	1.48278	503821.98	3633575.90	1.38515
503871.98	3633575.90	1.47289	503921.98	3633575.90	1.48781
503971.98	3633575.90	1.40464	504021.98	3633575.90	1.38595
504071.98	3633575.90	1.35070	504121.98	3633575.90	1.39440
504171.98	3633575.90	1.40201	504221.98	3633575.90	1.42485
504271.98	3633575.90	1.24794	504321.98	3633575.90	1.10374
504371.98	3633575.90	1.06417	504421.98	3633575.90	1.02657
504471.98	3633575.90	1.02592	504521.98	3633575.90	1.06688
504571.98	3633575.90	1.11771	504621.98	3633575.90	1.10588

```
         504671.98    3633575.90        1.08976                        504721.98
3633575.90        1.07270
         502721.98    3633625.90        1.14103                        502771.98
3633625.90        1.20063
         502821.98    3633625.90        1.26421                        502871.98
3633625.90        1.33236
         502921.98    3633625.90        1.40492                        502971.98
3633625.90        1.48266
         503021.98    3633625.90        1.56518                        503071.98
3633625.90        1.65095
         503121.98    3633625.90        1.74121                        503171.98
3633625.90        1.83666
         503221.98    3633625.90        1.93573                        503271.98
3633625.90        2.03640
         503321.98    3633625.90        2.13649                        503371.98
3633625.90        2.23573
         503421.98    3633625.90        1.97516                        503471.98
3633625.90        1.95186
         503521.98    3633625.90        2.00186                        503621.98
3633625.90        1.85421
         503671.98    3633625.90        1.77231                        503721.98
3633625.90        1.85541
         503771.98    3633625.90        1.66850                        503821.98
3633625.90        1.65504
         503871.98    3633625.90        1.71728                        503921.98
3633625.90        1.68298
         503971.98    3633625.90        1.67065                        504021.98
3633625.90        1.60728
         504071.98    3633625.90        1.56214                        504121.98
3633625.90        1.63517
         504171.98    3633625.90        1.64549                        504221.98
3633625.90        1.60529
         504271.98    3633625.90        1.44073                        504321.98
3633625.90        1.31000
         504371.98    3633625.90        1.20845                        504421.98
3633625.90        1.16028
         504471.98    3633625.90        1.15470                        504521.98
3633625.90        1.23101
         504571.98    3633625.90        1.24566                        504621.98
3633625.90        1.22063
         504671.98    3633625.90        1.21876                        504721.98
3633625.90        1.17504
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 311
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633675.90	1.18382	502771.98	3633675.90	1.24847
502821.98	3633675.90	1.31776	502871.98	3633675.90	1.39239
502921.98	3633675.90	1.47343	502971.98	3633675.90	1.55959
503021.98	3633675.90	1.65161	503071.98	3633675.90	1.74850
503121.98	3633675.90	1.85188	503171.98	3633675.90	1.96132
503221.98	3633675.90	2.07643	503271.98	3633675.90	2.19556
503321.98	3633675.90	2.31575	503371.98	3633675.90	2.43772
503421.98	3633675.90	2.55739	503471.98	3633675.90	2.67012
503521.98	3633675.90	2.45107	503571.98	3633675.90	2.05594
503671.98	3633675.90	2.01900	503721.98	3633675.90	2.07097
503771.98	3633675.90	2.05765	503821.98	3633675.90	2.00350
503871.98	3633675.90	1.96487	503921.98	3633675.90	1.96694
503971.98	3633675.90	1.92323	504021.98	3633675.90	1.87010
504071.98	3633675.90	1.86747	504121.98	3633675.90	1.90377
504171.98	3633675.90	1.92097	504221.98	3633675.90	1.89090
504271.98	3633675.90	1.73523	504321.98	3633675.90	1.52961
504371.98	3633675.90	1.38465	504421.98		

```
3633675.90        1.33357
         504471.98    3633675.90        1.37329                        504521.98
3633675.90        1.41418
         504571.98    3633675.90        1.38665                        504621.98
3633675.90        1.36019
         504671.98    3633675.90        1.32808                        504721.98
3633675.90        1.29553
         502721.98    3633725.90        1.22723                        502771.98
3633725.90        1.29764
         502821.98    3633725.90        1.37302                        502871.98
3633725.90        1.45533
         502921.98    3633725.90        1.54544                        502971.98
3633725.90        1.64077
         503021.98    3633725.90        1.74177                        503071.98
3633725.90        1.85264
         503121.98    3633725.90        1.97050                        503171.98
3633725.90        2.09626
         503221.98    3633725.90        2.23014                        503271.98
3633725.90        2.37007
         503321.98    3633725.90        2.51551                        503371.98
3633725.90        2.66349
         503421.98    3633725.90        2.81166                        503471.98
3633725.90        2.95070
         503521.98    3633725.90        3.08588                        503571.98
3633725.90        2.79659
         503721.98    3633725.90        2.52713                        503771.98
3633725.90        2.40060
         503821.98    3633725.90        2.38921                        503871.98
3633725.90        2.31493
         503921.98    3633725.90        2.29192                        503971.98
3633725.90        2.19648
         504021.98    3633725.90        2.15808                        504071.98
3633725.90        2.16241
         504121.98    3633725.90        2.25510                        504171.98
3633725.90        2.22886
         504221.98    3633725.90        2.16793                        504271.98
3633725.90        2.15498
         504321.98    3633725.90        1.83258                        504371.98
3633725.90        1.64366
         504421.98    3633725.90        1.59081                        504471.98
3633725.90        1.61566
         504521.98    3633725.90        1.59802                        504571.98
3633725.90        1.54806
         504621.98    3633725.90        1.56254                        504671.98
3633725.90        1.50058
         504721.98    3633725.90        1.42150                        502721.98
3633775.90        1.27061
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502771.98	3633775.90	1.34702	502821.98	3633775.90	1.42965
502871.98	3633775.90	1.51944	502921.98	3633775.90	1.61839
502971.98	3633775.90	1.72518	503021.98	3633775.90	1.83951
503071.98	3633775.90	1.96341	503121.98	3633775.90	2.09741
503171.98	3633775.90	2.24210	503221.98	3633775.90	2.39710
503271.98	3633775.90	2.56254	503321.98	3633775.90	2.73600
503371.98	3633775.90	2.91554	503421.98	3633775.90	3.09842
503471.98	3633775.90	3.27956	503771.98	3633775.90	2.83391
503821.98	3633775.90	2.79834	503871.98	3633775.90	2.77890
503921.98	3633775.90	2.63925	503971.98	3633775.90	2.53281
504021.98	3633775.90	2.51480	504071.98	3633775.90	2.74213
504121.98	3633775.90	2.69698	504171.98	3633775.90	2.67866
504221.98	3633775.90	2.59850	504271.98	3633775.90	2.47653
504321.98	3633775.90	2.18296	504371.98	3633775.90	2.01482

504421.98 3633775.90 1.94949 504471.98 3633775.90 1.84558
504521.98 3633775.90 1.88885 504571.98 3633775.90 1.93443
504621.98 3633775.90 1.82960 504671.98 3633775.90 1.70365
504721.98 3633775.90 1.59114 502721.98 3633825.90 1.31428
502771.98 3633825.90 1.39665 502821.98 3633825.90 1.48679
502871.98 3633825.90 1.58503 502921.98 3633825.90 1.69418
502971.98 3633825.90 1.81207 503021.98 3633825.90 1.94007
503071.98 3633825.90 2.08012 503121.98 3633825.90 2.23298
503171.98 3633825.90 2.39995 503221.98 3633825.90 2.58084
503271.98 3633825.90 2.77593 503771.98 3633825.90 3.54052
503821.98 3633825.90 3.52742 503871.98 3633825.90 3.32834
503921.98 3633825.90 3.08155 503971.98 3633825.90 3.01715
504021.98 3633825.90 3.29887 504071.98 3633825.90 3.22299
504121.98 3633825.90 3.20034 504171.98 3633825.90 3.23501
504221.98 3633825.90 3.12793 504271.98 3633825.90 3.02174
504321.98 3633825.90 2.87979 504371.98 3633825.90 2.68236
504421.98 3633825.90 2.45608 504471.98 3633825.90 2.32611
504521.98 3633825.90 2.27340 504571.98 3633825.90 2.25987
504621.98 3633825.90 2.06930 504671.98 3633825.90 1.89929
504721.98 3633825.90 1.79784 502721.98 3633875.90 1.35704
502771.98 3633875.90 1.44598 502821.98 3633875.90 1.54344
502871.98 3633875.90 1.65035 502921.98 3633875.90 1.77102
502971.98 3633875.90 1.90099 503021.98 3633875.90 2.04437
503071.98 3633875.90 2.20302 503121.98 3633875.90 2.37627
503171.98 3633875.90 2.56821 503221.98 3633875.90 2.77915

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                   INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3633925.90 1.98972
503021.98 3633925.90 2.14962 503071.98
3633925.90 2.32824
503121.98 3633925.90 2.52616 503171.98
3633925.90 2.74627
503221.98 3633925.90 2.99060 503271.98
3633925.90 3.26293
503821.98 3633925.90 5.22808 503871.98
3633925.90 5.01048
503921.98 3633925.90 5.02624 503971.98
3633925.90 5.26398
504021.98 3633925.90 4.91854 504071.98
3633925.90 4.80500
504121.98 3633925.90 4.64298 504171.98
3633925.90 4.58810
504221.98 3633925.90 4.48460 504271.98
3633925.90 4.26639
504321.98 3633925.90 4.07718 504371.98
3633925.90 3.76412
504421.98 3633925.90 3.55903 504471.98
3633925.90 3.30358
504521.98 3633925.90 3.02914 504571.98
3633925.90 2.66986
504621.98 3633925.90 2.39151 504671.98
3633925.90 2.17514
504721.98 3633925.90 1.98016 502721.98
3633975.90 1.43934
502771.98 3633975.90 1.54016 502821.98
3633975.90 1.65223
502871.98 3633975.90 1.78002 502921.98
3633975.90 1.92188
502971.98 3633975.90 2.07819 503021.98
3633975.90 2.25530
503071.98 3633975.90 2.45440 503121.98
3633975.90 2.67887
503171.98 3633975.90 2.93149 503221.98
3633975.90 3.21640
503271.98 3633975.90 3.53782 503821.98
3633975.90 6.59899
503871.98 3633975.90 6.49689 503921.98
3633975.90 7.38317
503971.98 3633975.90 6.54763 504021.98
3633975.90 6.14972
504071.98 3633975.90 5.85686 504121.98
3633975.90 5.74745
504171.98 3633975.90 5.57551 504221.98
3633975.90 5.27685
504271.98 3633975.90 4.99622 504321.98
3633975.90 4.74900
504371.98 3633975.90 4.31485 504421.98

```
3633975.90        3.99963
         504471.98    3633975.90        3.47535                      504521.98
3633975.90        2.96580
         504571.98    3633975.90        2.67060                      504621.98
3633975.90        2.39952
         504671.98    3633975.90        2.13432                      504721.98
3633975.90        1.87532
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 314
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502721.98    3634025.90        1.47988                      502771.98
3634025.90        1.58793
         502821.98    3634025.90        1.70706                      502871.98
3634025.90        1.84159
         502921.98    3634025.90        1.99275                      502971.98
3634025.90        2.16456
         503021.98    3634025.90        2.36066                      503071.98
3634025.90        2.58033
         503121.98    3634025.90        2.83243                      503171.98
3634025.90        3.12104
         503221.98    3634025.90        3.45098                      503271.98
3634025.90        3.82890
         503871.98    3634025.90        9.34318                      503921.98
3634025.90        9.02299
         503971.98    3634025.90        7.98627                      504021.98
3634025.90        7.65029
         504071.98    3634025.90        7.29168                      504121.98
3634025.90        7.02233
```

504171.98 3634025.90 6.62626 504221.98 3634025.90 6.26583
504271.98 3634025.90 5.80886 504321.98 3634025.90 5.37294
504371.98 3634025.90 4.78391 504421.98 3634025.90 3.97101
504471.98 3634025.90 3.42220 504521.98 3634025.90 3.03047
504571.98 3634025.90 2.65768 504621.98 3634025.90 2.28045
504671.98 3634025.90 2.01713 504721.98 3634025.90 1.81035
502721.98 3634075.90 1.51693 502771.98 3634075.90 1.62824
502821.98 3634075.90 1.75524 502871.98 3634075.90 1.90013
502921.98 3634075.90 2.06272 502971.98 3634075.90 2.24741
503021.98 3634075.90 2.46095 503071.98 3634075.90 2.70437
503121.98 3634075.90 2.98495 503171.98 3634075.90 3.31089
503221.98 3634075.90 3.68919 503271.98 3634075.90 4.13180
503871.98 3634075.90 11.86393 503921.98 3634075.90 11.30053
503971.98 3634075.90 10.55669 504021.98 3634075.90 9.52436
504071.98 3634075.90 9.03100 504121.98 3634075.90 8.57192
504171.98 3634075.90 8.01996 504221.98 3634075.90 7.40310
504271.98 3634075.90 6.74919 504321.98 3634075.90 5.91910
504371.98 3634075.90 4.88631 504421.98 3634075.90 4.11063
504471.98 3634075.90 3.45086 504521.98 3634075.90 2.89173
504571.98 3634075.90 2.47178 504621.98 3634075.90 2.11380
504671.98 3634075.90 1.92279 504721.98 3634075.90 1.78096
502721.98 3634125.90 1.55067 502771.98 3634125.90 1.66649
502821.98 3634125.90 1.80062 502871.98 3634125.90 1.95448
502921.98 3634125.90 2.12680 502971.98 3634125.90 2.32507
503021.98 3634125.90 2.55579 503071.98 3634125.90 2.82109

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3634125.90	6.37034	504371.98	3634125.90	5.24654
504421.98	3634125.90	4.21379	504471.98	3634125.90	3.25766
504521.98	3634125.90	2.77704	504571.98	3634125.90	2.36430
504621.98	3634125.90	2.05979	504671.98	3634125.90	1.87811
504721.98	3634125.90	1.68954	502721.98	3634175.90	1.57698
502771.98	3634175.90	1.70066	502821.98	3634175.90	1.84205
502871.98	3634175.90	2.00341	502921.98		

3634175.90 2.18524
502971.98 3634175.90 2.39587 503021.98
3634175.90 2.64306
503071.98 3634175.90 2.92856 503121.98
3634175.90 3.26582
503171.98 3634175.90 3.66515 503221.98
3634175.90 4.13993
503271.98 3634175.90 4.72356 503971.98
3634175.90 17.57477
504021.98 3634175.90 15.62360 504071.98
3634175.90 13.70500
504121.98 3634175.90 11.86298 504171.98
3634175.90 10.26084
504221.98 3634175.90 9.47986 504271.98
3634175.90 8.15164
504321.98 3634175.90 6.91270 504371.98
3634175.90 4.93608
504421.98 3634175.90 3.51983 504471.98
3634175.90 3.04289
504521.98 3634175.90 2.62715 504571.98
3634175.90 2.16709
504621.98 3634175.90 1.85891 504671.98
3634175.90 1.64809
504721.98 3634175.90 1.44568 502721.98
3634225.90 1.60176
502771.98 3634225.90 1.73171 502821.98
3634225.90 1.87940
502871.98 3634225.90 2.04690 502921.98
3634225.90 2.23665
502971.98 3634225.90 2.45817 503021.98
3634225.90 2.71949
503071.98 3634225.90 3.02410 503121.98
3634225.90 3.38614
503171.98 3634225.90 3.81917 503221.98
3634225.90 4.34610
503271.98 3634225.90 4.99993 504071.98
3634225.90 16.65458
504121.98 3634225.90 13.71304 504171.98
3634225.90 11.32854
504221.98 3634225.90 9.46835 504271.98
3634225.90 8.39939
504321.98 3634225.90 6.99593 504371.98
3634225.90 4.62840
504421.98 3634225.90 3.27817 504471.98
3634225.90 2.81800
504521.98 3634225.90 2.40852 504571.98
3634225.90 1.99912
504621.98 3634225.90 1.69680 504671.98
3634225.90 1.47805
504721.98 3634225.90 1.31047 502721.98

```
3634275.90        1.62337
         502771.98    3634275.90        1.75547                      502821.98
3634275.90        1.90803
         502871.98    3634275.90        2.08488                      502921.98
3634275.90        2.28057
         502971.98    3634275.90        2.50914                      503021.98
3634275.90        2.78388
         503071.98    3634275.90        3.10448                      503121.98
3634275.90        3.48760
         503171.98    3634275.90        3.95315                      503221.98
3634275.90        4.52423
         503271.98    3634275.90        5.24458                      504121.98
3634275.90       15.01338
         504171.98    3634275.90       11.98270                      504221.98
3634275.90        9.98436
         504271.98    3634275.90        8.21226                      504321.98
3634275.90        6.60466
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 316
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         504371.98    3634275.90        4.72497                      504421.98
3634275.90        3.36646
         504471.98    3634275.90        2.67998                      504521.98
3634275.90        2.20965
         504571.98    3634275.90        1.85148                      504621.98
3634275.90        1.60901
         504671.98    3634275.90        1.41753                      504721.98
3634275.90        1.28239
```

```
         502721.98    3634325.90        1.62916                    502771.98
3634325.90        1.76555
         502821.98    3634325.90        1.91926                    502871.98
3634325.90        2.11374
         502971.98    3634325.90        2.54934                    503021.98
3634325.90        2.83196
         503071.98    3634325.90        3.16677                    503121.98
3634325.90        3.56677
         503171.98    3634325.90        4.05611                    503221.98
3634325.90        4.66291
         503271.98    3634325.90        5.43350                    504171.98
3634325.90       12.01898
         504221.98    3634325.90        9.40420                    504271.98
3634325.90        7.87137
         504321.98    3634325.90        6.44245                    504371.98
3634325.90        4.99046
         504421.98    3634325.90        3.48585                    504471.98
3634325.90        2.71457
         504521.98    3634325.90        2.17674                    504571.98
3634325.90        1.80768
         504621.98    3634325.90        1.55893                    504671.98
3634325.90        1.38450
         504721.98    3634325.90        1.26498                    502721.98
3634375.90        1.63465
         502771.98    3634375.90        1.77356                    502821.98
3634375.90        1.92797
         503021.98    3634375.90        2.85581                    503071.98
3634375.90        3.20458
         503121.98    3634375.90        3.61544                    503171.98
3634375.90        4.11626
         503221.98    3634375.90        4.74580                    503271.98
3634375.90        5.54683
         504221.98    3634375.90        9.39988                    504271.98
3634375.90        7.73674
         504321.98    3634375.90        6.53486                    504371.98
3634375.90        4.82310
         504421.98    3634375.90        3.15385                    504471.98
3634375.90        2.44352
         504521.98    3634375.90        2.04702                    504571.98
3634375.90        1.76990
         504621.98    3634375.90        1.56587                    504671.98
3634375.90        1.40646
         504721.98    3634375.90        1.28088                    502721.98
3634425.90        1.64408
         502771.98    3634425.90        1.78029                    502821.98
3634425.90        1.93540
         504271.98    3634425.90        7.61850                    504321.98
3634425.90        6.46600
         504371.98    3634425.90        5.14392                    504421.98
3634425.90        3.51397
```

```
         504471.98    3634425.90        2.61653                      504521.98
3634425.90        2.17135
         504571.98    3634425.90        1.92396                      504621.98
3634425.90        1.72909
         504671.98    3634425.90        1.54005                      504721.98
3634425.90        1.37386
         502721.98    3634475.90        1.65259                      502771.98
3634475.90        1.79286
         502821.98    3634475.90        1.95050                      504321.98
3634475.90        6.23544
         504371.98    3634475.90        5.39933                      504421.98
3634475.90        4.51175
         504471.98    3634475.90        3.30918                      504521.98
3634475.90        2.65399
         504571.98    3634475.90        2.31302                      504621.98
3634475.90        2.05883
         504671.98    3634475.90        1.74355                      504721.98
3634475.90        1.50136
         502721.98    3634525.90        1.64998                      502771.98
3634525.90        1.78516
         504371.98    3634525.90        5.16319                      504421.98
3634525.90        4.50183
🏠 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 317
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         504471.98    3634525.90        4.03058                      504521.98
3634525.90        3.49904
         504571.98    3634525.90        3.02932                      504621.98
```

```
3634525.90        2.55678
         504671.98    3634525.90        2.01879                   504721.98
3634525.90        1.67408
         502721.98    3634575.90        1.63654                   502771.98
3634575.90        1.76989
         504421.98    3634575.90        4.34403                   504471.98
3634575.90        3.83814
         504521.98    3634575.90        3.42037                   504571.98
3634575.90        3.14760
         504621.98    3634575.90        2.79130                   504671.98
3634575.90        2.35492
         504721.98    3634575.90        1.96495                   502721.98
3634625.90        1.61664
         502771.98    3634625.90        1.74497                   502821.98
3634625.90        1.89233
         502871.98    3634625.90        2.05768                   502921.98
3634625.90        2.24614
         502971.98    3634625.90        2.46401                   503021.98
3634625.90        2.71685
         503071.98    3634625.90        3.01212                   503121.98
3634625.90        3.35868
         504471.98    3634625.90        3.68647                   504521.98
3634625.90        3.30048
         504571.98    3634625.90        2.97412                   504621.98
3634625.90        2.75155
         504671.98    3634625.90        2.51997                   504721.98
3634625.90        2.25877
         502721.98    3634675.90        1.59062                   502771.98
3634675.90        1.71420
         502821.98    3634675.90        1.85428                   502871.98
3634675.90        2.01145
         502921.98    3634675.90        2.18973                   502971.98
3634675.90        2.39487
         503021.98    3634675.90        2.62879                   503071.98
3634675.90        2.90005
         503121.98    3634675.90        3.22043                   503171.98
3634675.90        3.59321
         503221.98    3634675.90        4.03595                   503271.98
3634675.90        4.55612
         503321.98    3634675.90        5.19080                   503371.98
3634675.90        5.96265
         503421.98    3634675.90        6.90028                   503471.98
3634675.90        8.02599
         503521.98    3634675.90        9.32980                   504521.98
3634675.90        3.16621
         504571.98    3634675.90        2.86736                   504621.98
3634675.90        2.60517
         504671.98    3634675.90        2.38126                   504721.98
3634675.90        2.22955
         502721.98    3634725.90        1.55859                   502771.98
```

3634725.90   1.67594
         502821.98   3634725.90   1.80750   502871.98
3634725.90   1.95632
         502921.98   3634725.90   2.12329   502971.98
3634725.90   2.31308
         503021.98   3634725.90   2.52970   503071.98
3634725.90   2.77743
         503121.98   3634725.90   3.06686   503171.98
3634725.90   3.40101
         503221.98   3634725.90   3.79254   503271.98
3634725.90   4.24746
         503321.98   3634725.90   4.79042   503371.98
3634725.90   5.43102
         503421.98   3634725.90   6.17800   503471.98
3634725.90   7.02533
         503521.98   3634725.90   7.98962   503571.98
3634725.90   9.04582
         503621.98   3634725.90   10.03894   504571.98
3634725.90   2.74622
         504621.98   3634725.90   2.50679   504671.98
3634725.90   2.29984
         504721.98   3634725.90   2.11720   502721.98
3634775.90   1.52175
         502771.98   3634775.90   1.63200   502821.98
3634775.90   1.75600
         502871.98   3634775.90   1.89455   502921.98
3634775.90   2.04975

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         502721.98    3634875.90        1.43770                       502771.98
3634875.90        1.53539
         502821.98    3634875.90        1.64302                       502871.98
3634875.90        1.76165
         502921.98    3634875.90        1.89448                       502971.98
3634875.90        2.04203
         503021.98    3634875.90        2.20692                       503071.98
3634875.90        2.39188
         503121.98    3634875.90        2.59903                       503171.98
3634875.90        2.82832
         503221.98    3634875.90        3.08767                       503271.98
3634875.90        3.37609
         503321.98    3634875.90        3.68916                       503371.98
3634875.90        4.03042
         503421.98    3634875.90        4.39174                       503471.98
3634875.90        4.76303
         503521.98    3634875.90        5.14007                       503571.98
3634875.90        5.50421
         503621.98    3634875.90        5.84044                       503671.98
3634875.90        6.12321
         503721.98    3634875.90        6.32882                       503771.98
3634875.90        6.44780
         503821.98    3634875.90        6.46658                       503871.98
3634875.90        6.39146
         503921.98    3634875.90        6.54018                       504721.98
3634875.90        1.88778
         502721.98    3634925.90        1.39332                       502771.98
3634925.90        1.48413
         502821.98    3634925.90        1.58442                       502871.98
3634925.90        1.69414
         502921.98    3634925.90        1.81663                       502971.98
3634925.90        1.95167
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 319
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                   INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503021.98	3634925.90	2.10137	503071.98	3634925.90	2.26736
503121.98	3634925.90	2.45105	503171.98	3634925.90	2.65365
503221.98	3634925.90	2.87554	503271.98	3634925.90	3.11647
503321.98	3634925.90	3.37555	503371.98	3634925.90	3.64965
503421.98	3634925.90	3.93311	503471.98	3634925.90	4.21989
503521.98	3634925.90	4.50258	503571.98	3634925.90	4.77215
503621.98	3634925.90	5.01682	503671.98	3634925.90	5.21880
503721.98	3634925.90	5.35116	503771.98	3634925.90	5.40430
503821.98	3634925.90	5.54339	503871.98	3634925.90	5.69455
502721.98	3634975.90	1.34853	502771.98	3634975.90	1.43286
502821.98	3634975.90	1.52589	502871.98	3634975.90	1.62818
502921.98	3634975.90	1.74014	502971.98	3634975.90	1.86255
503021.98	3634975.90	1.99816	503071.98	3634975.90	2.14677
503121.98	3634975.90	2.30861	503171.98	3634975.90	2.48237
503221.98	3634975.90	2.67187	503271.98	3634975.90	2.87678
503321.98	3634975.90	3.09157	503371.98	3634975.90	3.31360
503421.98	3634975.90	3.53520	503471.98	3634975.90	3.75934
503521.98	3634975.90	3.97427	503571.98	3634975.90	4.17821
503621.98	3634975.90	4.36113	503671.98	3634975.90	4.51023
503721.98	3634975.90	4.56026	503771.98	3634975.90	4.76034
503821.98	3634975.90	4.85320	503871.98	3634975.90	4.84888
502721.98	3635025.90	1.30389	502771.98		

```
3635025.90        1.38312
         502821.98    3635025.90        1.46923                        502871.98
3635025.90        1.56318
         502921.98    3635025.90        1.66569                        502971.98
3635025.90        1.77740
         503021.98    3635025.90        1.89889                        503071.98
3635025.90        2.03030
         503121.98    3635025.90        2.17215                        503171.98
3635025.90        2.32464
         503221.98    3635025.90        2.48656                        503271.98
3635025.90        2.65671
         503321.98    3635025.90        2.83288                        503371.98
3635025.90        3.01189
         503421.98    3635025.90        3.18955                        503471.98
3635025.90        3.36574
         503521.98    3635025.90        3.53406                        503571.98
3635025.90        3.69005
         503621.98    3635025.90        3.82720                        503671.98
3635025.90        3.93514
         503721.98    3635025.90        4.05755                        503771.98
3635025.90        4.16689
         503821.98    3635025.90        4.26041                        504371.98
3635025.90        2.60812
         502721.98    3635075.90        1.26008                        502771.98
3635075.90        1.33343
         502821.98    3635075.90        1.41302                        502871.98
3635075.90        1.49959
         502921.98    3635075.90        1.59299                        502971.98
3635075.90        1.69375
         503021.98    3635075.90        1.80253                        503071.98
3635075.90        1.91872
         503121.98    3635075.90        2.04281                        503171.98
3635075.90        2.17445
         503221.98    3635075.90        2.31203                        503271.98
3635075.90        2.45452
         503321.98    3635075.90        2.59977                        503371.98
3635075.90        2.74574
```

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503421.98	3635075.90	2.89014	503471.98	3635075.90	3.03040
503521.98	3635075.90	3.16339	503571.98	3635075.90	3.28531
503621.98	3635075.90	3.39124	503671.98	3635075.90	3.47182
503721.98	3635075.90	3.54517	503771.98	3635075.90	3.67148
503821.98	3635075.90	3.70964	504371.98	3635075.90	2.41482
504421.98	3635075.90	2.27542	504471.98	3635075.90	2.14137
504521.98	3635075.90	2.01732	502721.98	3635125.90	1.21675
502771.98	3635125.90	1.28475	502821.98	3635125.90	1.35805
502871.98	3635125.90	1.43721	502921.98	3635125.90	1.52239
502971.98	3635125.90	1.61317	503021.98	3635125.90	1.70990
503071.98	3635125.90	1.81225	503121.98	3635125.90	1.92042
503171.98	3635125.90	2.03365	503221.98	3635125.90	2.15016
503271.98	3635125.90	2.27005	503321.98	3635125.90	2.39020
503371.98	3635125.90	2.50993	503421.98	3635125.90	2.62823
503471.98	3635125.90	2.74114	503521.98	3635125.90	2.84743
503571.98	3635125.90	2.94017	503621.98	3635125.90	3.02475
503671.98	3635125.90	3.06471	503721.98	3635125.90	3.21528
503771.98	3635125.90	3.29768	503821.98	3635125.90	3.30067
504371.98	3635125.90	2.23959	504421.98	3635125.90	2.11946

```
         504471.98    3635125.90        2.00619                        504521.98
3635125.90        1.89684
         504571.98    3635125.90        1.79329                        502721.98
3635175.90        1.17434
         502771.98    3635175.90        1.23702                        502821.98
3635175.90        1.30431
         502871.98    3635175.90        1.37619                        502921.98
3635175.90        1.45366
         502971.98    3635175.90        1.53510                        503021.98
3635175.90        1.62082
         503071.98    3635175.90        1.71109                        503121.98
3635175.90        1.80547
         503171.98    3635175.90        1.90303                        503221.98
3635175.90        2.00212
         503271.98    3635175.90        2.10300                        503321.98
3635175.90        2.20292
         503371.98    3635175.90        2.30217                        503421.98
3635175.90        2.40023
         503471.98    3635175.90        2.49015                        503521.98
3635175.90        2.57702
         503571.98    3635175.90        2.65049                        503621.98
3635175.90        2.70135
         503671.98    3635175.90        2.77347                        503721.98
3635175.90        2.91500
         503771.98    3635175.90        2.93521                        503821.98
3635175.90        2.79914
         504371.98    3635175.90        2.07941                        504421.98
3635175.90        1.97813
         504471.98    3635175.90        1.88052                        504521.98
3635175.90        1.78525
         504571.98    3635175.90        1.69283                        504621.98
3635175.90        1.60832
         502721.98    3635225.90        1.13279                        502771.98
3635225.90        1.19088
         502821.98    3635225.90        1.25257                        502871.98
3635225.90        1.31789
         502921.98    3635225.90        1.38701                        502971.98
3635225.90        1.45995
         503021.98    3635225.90        1.53632                        503071.98
3635225.90        1.61586
         503121.98    3635225.90        1.69809                        503171.98
3635225.90        1.78218
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44

                                  PAGE 321
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503221.98	3635225.90	1.86735	503271.98	3635225.90	1.95270
503321.98	3635225.90	2.03724	503371.98	3635225.90	2.12008
503421.98	3635225.90	2.20033	503471.98	3635225.90	2.27633
503521.98	3635225.90	2.34456	503571.98	3635225.90	2.38997
503621.98	3635225.90	2.46542	503671.98	3635225.90	2.56664
504371.98	3635225.90	1.93412	504421.98	3635225.90	1.84900
504471.98	3635225.90	1.76454	504521.98	3635225.90	1.68165
504571.98	3635225.90	1.60034	504621.98	3635225.90	1.52338
502721.98	3635275.90	1.09190	502771.98	3635275.90	1.14491
502821.98	3635275.90	1.20113	502871.98	3635275.90	1.26068
502921.98	3635275.90	1.32276	502971.98	3635275.90	1.38804
503021.98	3635275.90	1.45533	503071.98	3635275.90	1.52496
503121.98	3635275.90	1.59628	503171.98	3635275.90	1.66865
503221.98	3635275.90	1.74297	503271.98	3635275.90	1.81528
503321.98	3635275.90	1.88686	503371.98	3635275.90	1.95616
503421.98	3635275.90	2.02364	503471.98	3635275.90	2.08719
503521.98	3635275.90	2.14621	503571.98		

```
3635275.90        2.19457
         503621.98    3635275.90        2.23283                     504371.98
3635275.90        1.79949
         504421.98    3635275.90        1.72684                     504471.98
3635275.90        1.65528
         504521.98    3635275.90        1.58405                     504571.98
3635275.90        1.51380
         504621.98    3635275.90        1.44500                     504671.98
3635275.90        1.38007
         502721.98    3635325.90        1.05199                     502771.98
3635325.90        1.10066
         502821.98    3635325.90        1.15198                     502871.98
3635325.90        1.20576
         502921.98    3635325.90        1.26164                     502971.98
3635325.90        1.31992
         503021.98    3635325.90        1.37949                     503071.98
3635325.90        1.44068
         503121.98    3635325.90        1.50272                     503171.98
3635325.90        1.56527
         503221.98    3635325.90        1.62935                     503271.98
3635325.90        1.69109
         503321.98    3635325.90        1.75179                     503371.98
3635325.90        1.81045
         503421.98    3635325.90        1.86711                     503471.98
3635325.90        1.92055
         503521.98    3635325.90        1.97031                     503571.98
3635325.90        2.01221
         503621.98    3635325.90        2.03524                     504371.98
3635325.90        1.67893
         504421.98    3635325.90        1.61714                     504471.98
3635325.90        1.55514
         504521.98    3635325.90        1.49363                     504571.98
3635325.90        1.43248
         504621.98    3635325.90        1.37153                     504671.98
3635325.90        1.31214
         504721.98    3635325.90        1.25697                     502721.98
3635375.90        1.01292
         502771.98    3635375.90        1.02776                     502821.98
3635375.90        1.07211
         502871.98    3635375.90        1.12087                     502921.98
3635375.90        1.17603
         502971.98    3635375.90        1.25504                     503021.98
3635375.90        1.28820
         503071.98    3635375.90        1.33681                     503121.98
3635375.90        1.41558
         503171.98    3635375.90        1.47020                     503221.98
3635375.90        1.52560
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503271.98	3635375.90	1.57867	503321.98	3635375.90	1.63047
503371.98	3635375.90	1.68064	503421.98	3635375.90	1.72891
503471.98	3635375.90	1.77429	503521.98	3635375.90	1.81587
503571.98	3635375.90	1.85119	503621.98	3635375.90	1.88052
503671.98	3635375.90	1.91585	503721.98	3635375.90	2.00843
504371.98	3635375.90	1.56994	504421.98	3635375.90	1.51668
504471.98	3635375.90	1.46316	504521.98	3635375.90	1.40926
504571.98	3635375.90	1.35577	504621.98	3635375.90	1.30190
504671.98	3635375.90	1.24937	504721.98	3635375.90	1.19858
502721.98	3635425.90	0.95677	502771.98	3635425.90	0.98512
502821.98	3635425.90	1.02604	502871.98	3635425.90	1.07027
502921.98	3635425.90	1.11736	502971.98	3635425.90	1.16693
503021.98	3635425.90	1.21549	503071.98	3635425.90	1.26401
503121.98	3635425.90	1.33555	503171.98	3635425.90	1.38289

503221.98 3635425.90 1.42996 503271.98 3635425.90 1.47493
503321.98 3635425.90 1.51990 503371.98 3635425.90 1.56343
503421.98 3635425.90 1.60484 503471.98 3635425.90 1.64303
503521.98 3635425.90 1.67768 503571.98 3635425.90 1.70805
503621.98 3635425.90 1.73339 503671.98 3635425.90 1.76556
503721.98 3635425.90 1.81044 503771.98 3635425.90 1.85024
503821.98 3635425.90 1.88693 504371.98 3635425.90 1.47049
504421.98 3635425.90 1.42399 504471.98 3635425.90 1.37721
504521.98 3635425.90 1.33058 504571.98 3635425.90 1.28359
504621.98 3635425.90 1.23622 504671.98 3635425.90 1.18975
504721.98 3635425.90 1.14418 502721.98 3635475.90 0.91302
502771.98 3635475.90 0.94674 502821.98 3635475.90 0.98556
502871.98 3635475.90 1.02623 502921.98 3635475.90 1.07027
502971.98 3635475.90 1.11166 503021.98 3635475.90 1.15460
503071.98 3635475.90 1.19997 503121.98 3635475.90 1.26133
503171.98 3635475.90 1.30263 503221.98 3635475.90 1.34303
503271.98 3635475.90 1.38250 503321.98 3635475.90 1.42129
503371.98 3635475.90 1.45895 503421.98 3635475.90 1.49457
503471.98 3635475.90 1.52735 503521.98 3635475.90 1.55699
503571.98 3635475.90 1.57593 503621.98 3635475.90 1.59645
503671.98 3635475.90 1.61832 503721.98 3635475.90 1.64029
503771.98 3635475.90 1.69109 503821.98 3635475.90 1.70548
503871.98 3635475.90 1.71656 503921.98 3635475.90 1.73997
504371.98 3635475.90 1.38117 504421.98 3635475.90 1.34045
504471.98 3635475.90 1.29895 504521.98 3635475.90 1.25798

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504671.98	3635475.90	1.13319	504721.98	3635475.90	1.13482
502221.98	3632975.90	0.52159	502271.98	3632975.90	0.53676
502321.98	3632975.90	0.55248	502371.98	3632975.90	0.56877
502421.98	3632975.90	0.58557	502471.98	3632975.90	0.60288
502521.98	3632975.90	0.62049	502571.98	3632975.90	0.63876
502621.98	3632975.90	0.65752	502671.98	3632975.90	0.67650
502721.98	3632975.90	0.69573	502771.98	3632975.90	0.71508
502821.98	3632975.90	0.61459	502871.98	3632975.90	0.53565
502921.98	3632975.90	0.54667	502971.98	3632975.90	0.39581
503021.98	3632975.90	0.40115	503071.98	3632975.90	0.47077
503121.98	3632975.90	0.55083	503171.98	3632975.90	0.62028
503221.98	3632975.90	0.65681	503271.98		

3632975.90 0.66779
503321.98 3632975.90 0.66885 503371.98
3632975.90 0.67699
503421.98 3632975.90 0.65398 503471.98
3632975.90 0.64814
503621.98 3632975.90 0.59994 503671.98
3632975.90 0.57848
503721.98 3632975.90 0.55730 503771.98
3632975.90 0.52729
503821.98 3632975.90 0.45864 503871.98
3632975.90 0.40833
503921.98 3632975.90 0.39618 503971.98
3632975.90 0.39731
504021.98 3632975.90 0.39495 504071.98
3632975.90 0.39947
504121.98 3632975.90 0.39576 504171.98
3632975.90 0.39834
504221.98 3632975.90 0.39865 504271.98
3632975.90 0.39901
504321.98 3632975.90 0.39800 504371.98
3632975.90 0.39314
504421.98 3632975.90 0.39046 504471.98
3632975.90 0.38970
504521.98 3632975.90 0.39101 504571.98
3632975.90 0.39226
504621.98 3632975.90 0.39313 504671.98
3632975.90 0.39462
504721.98 3632975.90 0.39731 504771.98
3632975.90 0.40064
504821.98 3632975.90 0.40263 504871.98
3632975.90 0.40384
504921.98 3632975.90 0.40410 504971.98
3632975.90 0.40317
505021.98 3632975.90 0.40159 505071.98
3632975.90 0.40132
505121.98 3632975.90 0.40362 505171.98
3632975.90 0.40831
505221.98 3632975.90 0.41295 502221.98
3633025.90 0.53475
502271.98 3633025.90 0.55152 502321.98
3633025.90 0.56806
502371.98 3633025.90 0.58544 502421.98
3633025.90 0.60341
502471.98 3633025.90 0.62175 502521.98
3633025.90 0.64081
502571.98 3633025.90 0.66046 502621.98
3633025.90 0.68062
502671.98 3633025.90 0.70109 502721.98
3633025.90 0.72197
502771.98 3633025.90 0.74313 502821.98

```
3633025.90        0.63093
         502871.98    3633025.90        0.59696                      502921.98
3633025.90        0.56797
         502971.98    3633025.90        0.41291                      503021.98
3633025.90        0.44461
         503071.98    3633025.90        0.54239                      503121.98
3633025.90        0.63580
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***       02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44

                                  PAGE 324
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503171.98    3633025.90        0.67500                      503221.98
3633025.90        0.71847
         503271.98    3633025.90        0.71956                      503321.98
3633025.90        0.72901
         503371.98    3633025.90        0.71768                      503421.98
3633025.90        0.66882
         503471.98    3633025.90        0.68265                      503621.98
3633025.90        0.62169
         503671.98    3633025.90        0.60787                      503721.98
3633025.90        0.59773
         503771.98    3633025.90        0.52303                      503821.98
3633025.90        0.45615
         503871.98    3633025.90        0.41962                      503921.98
3633025.90        0.41173
         503971.98    3633025.90        0.41281                      504021.98
3633025.90        0.41439
         504071.98    3633025.90        0.41559                      504121.98
3633025.90        0.41735
```

504171.98 3633025.90 0.41944 504221.98 3633025.90 0.42108
504271.98 3633025.90 0.42091 504321.98 3633025.90 0.41940
504371.98 3633025.90 0.41477 504421.98 3633025.90 0.41235
504471.98 3633025.90 0.41228 504521.98 3633025.90 0.41264
504571.98 3633025.90 0.41377 504621.98 3633025.90 0.41538
504671.98 3633025.90 0.41793 504721.98 3633025.90 0.42162
504771.98 3633025.90 0.42553 504821.98 3633025.90 0.42757
504871.98 3633025.90 0.42887 504921.98 3633025.90 0.42860
504971.98 3633025.90 0.42700 505021.98 3633025.90 0.42547
505071.98 3633025.90 0.42649 505121.98 3633025.90 0.42994
505171.98 3633025.90 0.43457 505221.98 3633025.90 0.43967
502221.98 3633075.90 0.54899 502271.98 3633075.90 0.56661
502321.98 3633075.90 0.58433 502371.98 3633075.90 0.60272
502421.98 3633075.90 0.62182 502471.98 3633075.90 0.64131
502521.98 3633075.90 0.66175 502571.98 3633075.90 0.68297
502621.98 3633075.90 0.70470 502671.98 3633075.90 0.72691
502721.98 3633075.90 0.74950 502771.98 3633075.90 0.77265
502821.98 3633075.90 0.69421 502871.98 3633075.90 0.66632
502921.98 3633075.90 0.63703 502971.98 3633075.90 0.57411
503021.98 3633075.90 0.61241 503071.98 3633075.90 0.64044
503121.98 3633075.90 0.69653 503171.98 3633075.90 0.73595
503221.98 3633075.90 0.79357 503271.98 3633075.90 0.77593
503321.98 3633075.90 0.76827 503371.98 3633075.90 0.75236
503421.98 3633075.90 0.70767 503471.98 3633075.90 0.72256
503621.98 3633075.90 0.64751 503671.98 3633075.90 0.62373

```
         503721.98    3633075.90        0.60990                      503771.98
3633075.90        0.53223
         503821.98    3633075.90        0.46336                      503871.98
3633075.90        0.43123
         503921.98    3633075.90        0.43256                      503971.98
3633075.90        0.43910
         504021.98    3633075.90        0.43876                      504071.98
3633075.90        0.44071
         504121.98    3633075.90        0.44303                      504171.98
3633075.90        0.44500
         504221.98    3633075.90        0.44609                      504271.98
3633075.90        0.44566
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 325
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         504321.98    3633075.90        0.44474                      504371.98
3633075.90        0.43936
         504421.98    3633075.90        0.43812                      504471.98
3633075.90        0.43726
         504521.98    3633075.90        0.43770                      504571.98
3633075.90        0.43918
         504621.98    3633075.90        0.44139                      504671.98
3633075.90        0.44504
         504721.98    3633075.90        0.44931                      504771.98
3633075.90        0.45307
         504821.98    3633075.90        0.45482                      504871.98
3633075.90        0.45575
         504921.98    3633075.90        0.45675                      504971.98
```

3633075.90 0.45448
505021.98 3633075.90 0.45376 505071.98
3633075.90 0.45535
505121.98 3633075.90 0.45796 505171.98
3633075.90 0.46100
505221.98 3633075.90 0.46378 502221.98
3633125.90 0.56380
502271.98 3633125.90 0.58204 502321.98
3633125.90 0.60087
502371.98 3633125.90 0.62041 502421.98
3633125.90 0.64078
502471.98 3633125.90 0.66173 502521.98
3633125.90 0.68358
502571.98 3633125.90 0.70623 502621.98
3633125.90 0.72964
502671.98 3633125.90 0.75379 502721.98
3633125.90 0.77842
502771.98 3633125.90 0.80343 502821.98
3633125.90 0.82907
502871.98 3633125.90 0.73463 502921.98
3633125.90 0.72756
502971.98 3633125.90 0.69112 503021.98
3633125.90 0.68380
503071.98 3633125.90 0.72347 503121.98
3633125.90 0.76438
503171.98 3633125.90 0.81421 503221.98
3633125.90 0.84996
503271.98 3633125.90 0.84412 503321.98
3633125.90 0.84908
503371.98 3633125.90 0.80575 503421.98
3633125.90 0.74773
503471.98 3633125.90 0.76409 503621.98
3633125.90 0.67099
503671.98 3633125.90 0.63353 503721.98
3633125.90 0.61885
503771.98 3633125.90 0.52640 503821.98
3633125.90 0.47428
503871.98 3633125.90 0.45436 503921.98
3633125.90 0.45910
503971.98 3633125.90 0.46673 504021.98
3633125.90 0.46411
504071.98 3633125.90 0.46895 504121.98
3633125.90 0.47323
504171.98 3633125.90 0.47529 504221.98
3633125.90 0.47562
504271.98 3633125.90 0.47508 504321.98
3633125.90 0.47224
504371.98 3633125.90 0.46899 504421.98
3633125.90 0.46802
504471.98 3633125.90 0.46644 504521.98

3633125.90   0.46671
         504571.98   3633125.90   0.46841   504621.98
3633125.90   0.47186
         504671.98   3633125.90   0.47656   504721.98
3633125.90   0.48060
         504771.98   3633125.90   0.48310   504821.98
3633125.90   0.48388
         504871.98   3633125.90   0.48544   504921.98
3633125.90   0.49064
         504971.98   3633125.90   0.48860   505021.98
3633125.90   0.48659
         505071.98   3633125.90   0.48585   505121.98
3633125.90   0.48624
         505171.98   3633125.90   0.48686   505221.98
3633125.90   0.48954
         502221.98   3633175.90   0.57850   502271.98
3633175.90   0.59762

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                  INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

502721.98	3633175.90	0.80805	502771.98	3633175.90	0.83521
502821.98	3633175.90	0.75166	502871.98	3633175.90	0.89228
502921.98	3633175.90	0.79699	502971.98	3633175.90	0.81434
503021.98	3633175.90	0.80729	503071.98	3633175.90	0.84108
503121.98	3633175.90	0.84869	503171.98	3633175.90	0.90303
503221.98	3633175.90	0.89191	503271.98	3633175.90	0.88357
503321.98	3633175.90	0.89497	503371.98	3633175.90	0.84640
503421.98	3633175.90	0.80150	503471.98	3633175.90	0.80040
503621.98	3633175.90	0.66886	503671.98	3633175.90	0.66028
503721.98	3633175.90	0.60684	503771.98	3633175.90	0.52661
503821.98	3633175.90	0.48897	503871.98	3633175.90	0.47925
503921.98	3633175.90	0.48988	503971.98	3633175.90	0.49802
504021.98	3633175.90	0.49560	504071.98	3633175.90	0.50164
504121.98	3633175.90	0.50779	504171.98	3633175.90	0.51289
504221.98	3633175.90	0.51129	504271.98	3633175.90	0.50841
504321.98	3633175.90	0.50495	504371.98	3633175.90	0.50670
504421.98	3633175.90	0.50233	504471.98	3633175.90	0.49942
504521.98	3633175.90	0.49948	504571.98	3633175.90	0.50203
504621.98	3633175.90	0.50711	504671.98	3633175.90	0.51260
504721.98	3633175.90	0.51568	504771.98	3633175.90	0.51660
504821.98	3633175.90	0.51632	504871.98	3633175.90	0.51953
504921.98	3633175.90	0.52996	504971.98	3633175.90	0.52490
505021.98	3633175.90	0.52026	505071.98	3633175.90	0.51748
505121.98	3633175.90	0.51514	505171.98	3633175.90	0.51368
505221.98	3633175.90	0.51451	502221.98	3633225.90	0.59356

```
         502271.98    3633225.90        0.61400                      502321.98
3633225.90        0.63513
         502371.98    3633225.90        0.65770                      502421.98
3633225.90        0.68085
         502471.98    3633225.90        0.70459                      502521.98
3633225.90        0.72979
         502571.98    3633225.90        0.75591                      502621.98
3633225.90        0.78308
         502671.98    3633225.90        0.81101                      502721.98
3633225.90        0.83951
         502771.98    3633225.90        0.86943                      502821.98
3633225.90        0.89983
         502871.98    3633225.90        0.85384                      502921.98
3633225.90        0.89693
         502971.98    3633225.90        0.93983                      503021.98
3633225.90        0.89842
         503071.98    3633225.90        0.92880                      503121.98
3633225.90        0.96580
         503171.98    3633225.90        0.97245                      503221.98
3633225.90        0.96111
         503271.98    3633225.90        0.95211                      503321.98
3633225.90        0.92980
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 327
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         503371.98    3633225.90        0.87032                      503421.98
3633225.90        0.85275
         503471.98    3633225.90        0.82803                      503621.98
```

3633225.90 0.71082
503671.98 3633225.90 0.67921 503721.98
3633225.90 0.61156
503771.98 3633225.90 0.55281 503821.98
3633225.90 0.51247
503871.98 3633225.90 0.51341 503921.98
3633225.90 0.52271
503971.98 3633225.90 0.53333 504021.98
3633225.90 0.53772
504071.98 3633225.90 0.54478 504121.98
3633225.90 0.55264
504171.98 3633225.90 0.55625 504221.98
3633225.90 0.54628
504271.98 3633225.90 0.54312 504321.98
3633225.90 0.54631
504371.98 3633225.90 0.54950 504421.98
3633225.90 0.54158
504471.98 3633225.90 0.53787 504521.98
3633225.90 0.53781
504571.98 3633225.90 0.54157 504621.98
3633225.90 0.54765
504671.98 3633225.90 0.55399 504721.98
3633225.90 0.55629
504771.98 3633225.90 0.55483 504821.98
3633225.90 0.55770
504871.98 3633225.90 0.56186 504921.98
3633225.90 0.57322
504971.98 3633225.90 0.56644 505021.98
3633225.90 0.55788
505071.98 3633225.90 0.55245 505121.98
3633225.90 0.54676
505171.98 3633225.90 0.54061 505221.98
3633225.90 0.53939
502221.98 3633275.90 0.60871 502271.98
3633275.90 0.63031
502321.98 3633275.90 0.65314 502371.98
3633275.90 0.67688
502421.98 3633275.90 0.70144 502471.98
3633275.90 0.72715
502521.98 3633275.90 0.75405 502571.98
3633275.90 0.78208
502621.98 3633275.90 0.81129 502671.98
3633275.90 0.84151
502721.98 3633275.90 0.87286 502771.98
3633275.90 0.90503
502821.98 3633275.90 0.77262 502871.98
3633275.90 0.88028
502921.98 3633275.90 1.00913 502971.98
3633275.90 1.04575
503021.98 3633275.90 0.98000 503071.98

3633275.90   1.12037
         503121.98   3633275.90   1.15854   503171.98
3633275.90   1.19577
         503221.98   3633275.90   1.05528   503271.98
3633275.90   0.98529
         503321.98   3633275.90   0.98528   503371.98
3633275.90   0.93242
         503421.98   3633275.90   0.89681   503471.98
3633275.90   0.68949
         503621.98   3633275.90   0.71462   503671.98
3633275.90   0.68750
         503721.98   3633275.90   0.61706   503771.98
3633275.90   0.56834
         503821.98   3633275.90   0.54046   503871.98
3633275.90   0.54929
         503921.98   3633275.90   0.56648   503971.98
3633275.90   0.59200
         504021.98   3633275.90   0.59671   504071.98
3633275.90   0.59721
         504121.98   3633275.90   0.60877   504171.98
3633275.90   0.60094
         504221.98   3633275.90   0.58917   504271.98
3633275.90   0.58616
         504321.98   3633275.90   0.59560   504371.98
3633275.90   0.60575
         504421.98   3633275.90   0.59276   504471.98
3633275.90   0.58442

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         503971.98    3633325.90        0.67287                        504021.98
3633325.90        0.67010
         504071.98    3633325.90        0.66146                        504121.98
3633325.90        0.68012
         504171.98    3633325.90        0.65392                        504221.98
3633325.90        0.63705
         504271.98    3633325.90        0.64077                        504321.98
3633325.90        0.66366
         504371.98    3633325.90        0.67518                        504421.98
3633325.90        0.65396
         504471.98    3633325.90        0.64028                        504521.98
3633325.90        0.63699
         504571.98    3633325.90        0.64257                        504621.98
3633325.90        0.65009
         504671.98    3633325.90        0.65834                        504721.98
3633325.90        0.65342
         504771.98    3633325.90        0.64482                        504821.98
3633325.90        0.64985
         504871.98    3633325.90        0.66936                        504921.98
3633325.90        0.67877
         504971.98    3633325.90        0.66522                        505021.98
3633325.90        0.65229
         505071.98    3633325.90        0.64400                        505121.98
3633325.90        0.62213
         505171.98    3633325.90        0.60587                        505221.98
3633325.90        0.60114
         502221.98    3633375.90        0.63993                        502271.98
3633375.90        0.66407
         502321.98    3633375.90        0.68940                        502371.98
3633375.90        0.71600
         502421.98    3633375.90        0.74401                        502471.98
3633375.90        0.77338
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 329
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3633375.90	0.80434	502571.98	3633375.90	0.83682
502621.98	3633375.90	0.87084	502671.98	3633375.90	0.90626
502721.98	3633375.90	0.94324	502771.98	3633375.90	0.98186
502821.98	3633375.90	1.02219	502871.98	3633375.90	1.06431
502921.98	3633375.90	1.10785	502971.98	3633375.90	1.15286
503021.98	3633375.90	1.19910	503071.98	3633375.90	1.24672
503121.98	3633375.90	1.29498	503171.98	3633375.90	1.34343
503221.98	3633375.90	1.39124	503271.98	3633375.90	1.43856
503321.98	3633375.90	1.23439	503371.98	3633375.90	1.04970
503421.98	3633375.90	0.78525	503471.98	3633375.90	0.77782
503621.98	3633375.90	0.79368	503671.98	3633375.90	0.74312
503721.98	3633375.90	0.67799	503771.98	3633375.90	0.66509
503821.98	3633375.90	0.67514	503871.98	3633375.90	0.66892
503921.98	3633375.90	0.71555	503971.98	3633375.90	0.77219
504021.98	3633375.90	0.75431	504071.98	3633375.90	0.73814
504121.98	3633375.90	0.76283	504171.98	3633375.90	0.71289
504221.98	3633375.90	0.70307	504271.98	3633375.90	0.72153
504321.98	3633375.90	0.75318	504371.98	3633375.90	0.76250
504421.98	3633375.90	0.72559	504471.98	3633375.90	0.70395
504521.98	3633375.90	0.69803	504571.98	3633375.90	0.70594
504621.98	3633375.90	0.71446	504671.98	3633375.90	0.72684
504721.98	3633375.90	0.71524	504771.98		

3633375.90   0.70505
         504821.98   3633375.90   0.71253   504871.98
3633375.90   0.73955
         504921.98   3633375.90   0.73849   504971.98
3633375.90   0.72535
         505021.98   3633375.90   0.70974   505071.98
3633375.90   0.68469
         505121.98   3633375.90   0.65851   505171.98
3633375.90   0.64137
         505221.98   3633375.90   0.63739   502221.98
3633425.90   0.65529
         502271.98   3633425.90   0.68059   502321.98
3633425.90   0.70720
         502371.98   3633425.90   0.73546   502421.98
3633425.90   0.76545
         502471.98   3633425.90   0.79764   502521.98
3633425.90   0.83065
         502571.98   3633425.90   0.86540   502621.98
3633425.90   0.90207
         502671.98   3633425.90   0.94045   502721.98
3633425.90   0.98079
         502771.98   3633425.90   1.02302   502821.98
3633425.90   1.06728
         502871.98   3633425.90   1.11351   502921.98
3633425.90   1.16153
         502971.98   3633425.90   1.21158   503021.98
3633425.90   1.26351
         503071.98   3633425.90   1.31673   503121.98
3633425.90   1.37160
         503171.98   3633425.90   1.42653   503221.98
3633425.90   1.48151
         503271.98   3633425.90   1.53594   503321.98
3633425.90   1.32222
         503371.98   3633425.90   1.02258   503421.98
3633425.90   0.88391
         503471.98   3633425.90   0.90538   503621.98
3633425.90   0.95286

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                  INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503671.98	3633425.90	0.86145	503721.98	3633425.90	0.76916
503771.98	3633425.90	0.74707	503821.98	3633425.90	0.76096
503871.98	3633425.90	0.77699	503921.98	3633425.90	0.84682
503971.98	3633425.90	0.87451	504021.98	3633425.90	0.84839
504071.98	3633425.90	0.83370	504121.98	3633425.90	0.86239
504171.98	3633425.90	0.80848	504221.98	3633425.90	0.81330
504271.98	3633425.90	0.84860	504321.98	3633425.90	0.88907
504371.98	3633425.90	0.85003	504421.98	3633425.90	0.80657
504471.98	3633425.90	0.78113	504521.98	3633425.90	0.76942
504571.98	3633425.90	0.77883	504621.98	3633425.90	0.79504
504671.98	3633425.90	0.80414	504721.98	3633425.90	0.80194
504771.98	3633425.90	0.78854	504821.98	3633425.90	0.78155
504871.98	3633425.90	0.81065	504921.98	3633425.90	0.79804
504971.98	3633425.90	0.77764	505021.98	3633425.90	0.74073
505071.98	3633425.90	0.71397	505121.98	3633425.90	0.69310
505171.98	3633425.90	0.67758	505221.98	3633425.90	0.67459
502221.98	3633475.90	0.67078	502271.98	3633475.90	0.69739
502321.98	3633475.90	0.72563	502371.98	3633475.90	0.75566
502421.98	3633475.90	0.78759	502471.98	3633475.90	0.82212

```
         502521.98    3633475.90        0.85705                      502571.98
3633475.90        0.89435
         502621.98    3633475.90        0.93397                      502671.98
3633475.90        0.97548
         504771.98    3633475.90        0.90381                      504821.98
3633475.90        0.89753
         504871.98    3633475.90        0.88435                      504921.98
3633475.90        0.87050
         504971.98    3633475.90        0.83203                      505021.98
3633475.90        0.78361
         505071.98    3633475.90        0.75403                      505121.98
3633475.90        0.73092
         505171.98    3633475.90        0.71107                      505221.98
3633475.90        0.70405
         502221.98    3633525.90        0.68663                      502271.98
3633525.90        0.71464
         502321.98    3633525.90        0.74435                      502371.98
3633525.90        0.77652
         502421.98    3633525.90        0.81064                      502471.98
3633525.90        0.84689
         502521.98    3633525.90        0.88395                      502571.98
3633525.90        0.92307
         502621.98    3633525.90        0.96585                      502671.98
3633525.90        1.01089
         504771.98    3633525.90        0.97842                      504821.98
3633525.90        0.95902
         504871.98    3633525.90        0.94297                      504921.98
3633525.90        0.92723
         504971.98    3633525.90        0.90709                      505021.98
3633525.90        0.85599
         505071.98    3633525.90        0.80479                      505121.98
3633525.90        0.76686
         505171.98    3633525.90        0.74442                      505221.98
3633525.90        0.73256
         502221.98    3633575.90        0.70308                      502271.98
3633575.90        0.73159
         502321.98    3633575.90        0.76287                      502371.98
3633575.90        0.79701
         502421.98    3633575.90        0.83293                      502471.98
3633575.90        0.87064
         502521.98    3633575.90        0.91058                      502571.98
3633575.90        0.95319
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 331
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633575.90	0.99885	502671.98	3633575.90	1.04741
504771.98	3633575.90	1.04911	504821.98	3633575.90	1.03055
504871.98	3633575.90	1.01193	504921.98	3633575.90	0.98111
504971.98	3633575.90	0.96342	505021.98	3633575.90	0.92513
505071.98	3633575.90	0.86314	505121.98	3633575.90	0.81025
505171.98	3633575.90	0.78237	505221.98	3633575.90	0.77125
502221.98	3633625.90	0.71877	502271.98	3633625.90	0.74815
502321.98	3633625.90	0.78167	502371.98	3633625.90	0.81732
502421.98	3633625.90	0.85558	502471.98	3633625.90	0.89514
502521.98	3633625.90	0.93875	502571.98	3633625.90	0.98458
502621.98	3633625.90	1.03361	502671.98	3633625.90	1.08560
504771.98	3633625.90	1.12546	504821.98	3633625.90	1.12675
504871.98	3633625.90	1.08253	504921.98	3633625.90	1.04618
504971.98	3633625.90	1.02248	505021.98	3633625.90	0.98385
505071.98	3633625.90	0.91321	505121.98	3633625.90	0.85698
505171.98	3633625.90	0.81803	505221.98	3633625.90	0.80073
502221.98	3633675.90	0.73342	502271.98		

```
3633675.90        0.76441
         502321.98    3633675.90        0.79963                        502371.98
3633675.90        0.83676
         502421.98    3633675.90        0.87758                        502471.98
3633675.90        0.92028
         502521.98    3633675.90        0.96637                        502571.98
3633675.90        1.01534
         502621.98    3633675.90        1.06774                        502671.98
3633675.90        1.12375
         504771.98    3633675.90        1.23395                        504821.98
3633675.90        1.20715
         504871.98    3633675.90        1.17129                        504921.98
3633675.90        1.13227
         504971.98    3633675.90        1.08992                        505021.98
3633675.90        1.03838
         505071.98    3633675.90        0.95543                        505121.98
3633675.90        0.88165
         505171.98    3633675.90        0.83530                        505221.98
3633675.90        0.80914
         502221.98    3633725.90        0.74766                        502271.98
3633725.90        0.78034
         502321.98    3633725.90        0.81764                        502371.98
3633725.90        0.85706
         502421.98    3633725.90        0.89944                        502471.98
3633725.90        0.94486
         502521.98    3633725.90        0.99366                        502571.98
3633725.90        1.04601
         502621.98    3633725.90        1.10221                        502671.98
3633725.90        1.16236
         504771.98    3633725.90        1.38530                        504821.98
3633725.90        1.30568
         504871.98    3633725.90        1.26256                        504921.98
3633725.90        1.20348
         504971.98    3633725.90        1.14026                        505021.98
3633725.90        1.06341
         505071.98    3633725.90        0.96326                        505121.98
3633725.90        0.88387
         505171.98    3633725.90        0.84162                        505221.98
3633725.90        0.80968
         502221.98    3633775.90        0.76184                        502271.98
3633775.90        0.79604
         502321.98    3633775.90        0.83601                        502371.98
3633775.90        0.87705
         502421.98    3633775.90        0.92182                        502471.98
3633775.90        0.96890
         502521.98    3633775.90        1.02068                        502571.98
3633775.90        1.07645
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633775.90	1.13616	502671.98	3633775.90	1.20073
504771.98	3633775.90	1.54145	504821.98	3633775.90	1.45213
504871.98	3633775.90	1.34720	504921.98	3633775.90	1.23599
504971.98	3633775.90	1.15748	505021.98	3633775.90	1.06020
505071.98	3633775.90	0.96665	505121.98	3633775.90	0.88833
505171.98	3633775.90	0.84479	505221.98	3633775.90	0.81913
502221.98	3633825.90	0.77653	502271.98	3633825.90	0.81200
502321.98	3633825.90	0.85285	502371.98	3633825.90	0.89629
502421.98	3633825.90	0.94274	502471.98	3633825.90	0.99263
502521.98	3633825.90	1.04712	502571.98	3633825.90	1.10633
502621.98	3633825.90	1.17044	502671.98	3633825.90	1.23937
504771.98	3633825.90	1.66921	504821.98	3633825.90	1.53130
504871.98	3633825.90	1.33514	504921.98	3633825.90	1.21023
504971.98	3633825.90	1.12327	505021.98	3633825.90	1.04995

505071.98 3633825.90 0.96871 505121.98 3633825.90 0.89573
505171.98 3633825.90 0.86221 505221.98 3633825.90 0.84165
502221.98 3633875.90 0.78945 502271.98 3633875.90 0.82689
502321.98 3633875.90 0.86987 502371.98 3633875.90 0.91416
502421.98 3633875.90 0.96310 502471.98 3633875.90 1.01501
502521.98 3633875.90 1.07286 502571.98 3633875.90 1.13573
502621.98 3633875.90 1.20372 502671.98 3633875.90 1.27714
504771.98 3633875.90 1.73364 504821.98 3633875.90 1.51351
504871.98 3633875.90 1.31592 504921.98 3633875.90 1.19834
504971.98 3633875.90 1.10780 505021.98 3633875.90 1.03370
505071.98 3633875.90 0.98361 505121.98 3633875.90 0.92543
505171.98 3633875.90 0.89250 505221.98 3633875.90 0.86406
502221.98 3633925.90 0.80212 502271.98 3633925.90 0.84165
502321.98 3633925.90 0.88549 502371.98 3633925.90 0.93128
502421.98 3633925.90 0.98316 502471.98 3633925.90 1.03769
502521.98 3633925.90 1.09803 502571.98 3633925.90 1.16384
502621.98 3633925.90 1.23571 502671.98 3633925.90 1.31368
504771.98 3633925.90 1.72048 504821.98 3633925.90 1.50533
504871.98 3633925.90 1.34991 504921.98 3633925.90 1.21013
504971.98 3633925.90 1.11067 505021.98 3633925.90 1.05080
505071.98 3633925.90 0.99834 505121.98 3633925.90 0.94985
505171.98 3633925.90 0.91122 505221.98 3633925.90 0.87145
502221.98 3633975.90 0.81453 502271.98 3633975.90 0.85420
502321.98 3633975.90 0.89933 502371.98 3633975.90 0.94869
502421.98 3633975.90 1.00188 502471.98 3633975.90 1.05926

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                   INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3634025.90 1.54953
504871.98 3634025.90 1.38913 504921.98
3634025.90 1.24484
504971.98 3634025.90 1.10570 505021.98
3634025.90 1.01688
505071.98 3634025.90 0.94656 505121.98
3634025.90 0.90601
505171.98 3634025.90 0.86480 505221.98
3634025.90 0.81428
502221.98 3634075.90 0.83508 502271.98
3634075.90 0.87785
502321.98 3634075.90 0.92532 502371.98
3634075.90 0.97693
502421.98 3634075.90 1.03300 502471.98
3634075.90 1.09504
502521.98 3634075.90 1.16372 502571.98
3634075.90 1.24005
502621.98 3634075.90 1.32274 502671.98
3634075.90 1.41510
504771.98 3634075.90 1.64740 504821.98
3634075.90 1.49936
504871.98 3634075.90 1.30797 504921.98
3634075.90 1.16538
504971.98 3634075.90 1.04124 505021.98
3634075.90 0.95075
505071.98 3634075.90 0.88698 505121.98
3634075.90 0.85009
505171.98 3634075.90 0.82256 505221.98
3634075.90 0.78298
502221.98 3634125.90 0.84247 502271.98
3634125.90 0.88818
502321.98 3634125.90 0.93646 502371.98
3634125.90 0.99026
502421.98 3634125.90 1.04811 502471.98
3634125.90 1.11162
502521.98 3634125.90 1.18140 502571.98
3634125.90 1.25863
502621.98 3634125.90 1.34697 502671.98
3634125.90 1.44431
504771.98 3634125.90 1.48892 504821.98
3634125.90 1.34578
504871.98 3634125.90 1.20359 504921.98
3634125.90 1.05488
504971.98 3634125.90 0.96749 505021.98
3634125.90 0.89153
505071.98 3634125.90 0.84765 505121.98
3634125.90 0.82625
505171.98 3634125.90 0.80250 505221.98
3634125.90 0.77227
502221.98 3634175.90 0.84745 502271.98

```
3634175.90        0.89378
         502321.98    3634175.90        0.94300                      502371.98
3634175.90        1.00283
         502421.98    3634175.90        1.06226                      502471.98
3634175.90        1.12741
         502521.98    3634175.90        1.19861                      502571.98
3634175.90        1.27808
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 334
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                            *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634175.90        1.36634                      502671.98
3634175.90        1.46633
         504771.98    3634175.90        1.30621                      504821.98
3634175.90        1.18003
         504871.98    3634175.90        1.07825                      504921.98
3634175.90        0.99744
         504971.98    3634175.90        0.92876                      505021.98
3634175.90        0.87921
         505071.98    3634175.90        0.82869                      505121.98
3634175.90        0.82140
         505171.98    3634175.90        0.80101                      505221.98
3634175.90        0.78380
         502221.98    3634225.90        0.85427                      502271.98
3634225.90        0.90014
         502321.98    3634225.90        0.95368                      502371.98
3634225.90        1.01254
         502421.98    3634225.90        1.07398                      502471.98
3634225.90        1.14081
```

```
         502521.98    3634225.90        1.21353                    502571.98
3634225.90        1.29537
         502621.98    3634225.90        1.38573                    502671.98
3634225.90        1.48750
         504771.98    3634225.90        1.20523                    504821.98
3634225.90        1.10688
         504871.98    3634225.90        1.04589                    504921.98
3634225.90        0.97998
         504971.98    3634225.90        0.94580                    505021.98
3634225.90        0.88739
         505071.98    3634225.90        0.83557                    505121.98
3634225.90        0.81775
         505171.98    3634225.90        0.77661                    505221.98
3634225.90        0.77703
         502221.98    3634275.90        0.86008                    502271.98
3634275.90        0.90673
         502321.98    3634275.90        0.95981                    502371.98
3634275.90        1.02029
         502421.98    3634275.90        1.08254                    502471.98
3634275.90        1.15051
         502521.98    3634275.90        1.22575                    502571.98
3634275.90        1.30882
         502621.98    3634275.90        1.40222                    502671.98
3634275.90        1.50650
         504771.98    3634275.90        1.18029                    504821.98
3634275.90        1.09779
         504871.98    3634275.90        1.03678                    504921.98
3634275.90        0.98925
         504971.98    3634275.90        0.96847                    505021.98
3634275.90        0.88992
         505071.98    3634275.90        0.83745                    505121.98
3634275.90        0.81898
         505171.98    3634275.90        0.75938                    505221.98
3634275.90        0.76192
         502221.98    3634325.90        0.86542                    502271.98
3634325.90        0.91347
         502321.98    3634325.90        0.96543                    502371.98
3634325.90        1.02240
         502421.98    3634325.90        1.08471                    502471.98
3634325.90        1.15282
         502521.98    3634325.90        1.22858                    502571.98
3634325.90        1.31247
         502621.98    3634325.90        1.40590                    502671.98
3634325.90        1.51154
         504771.98    3634325.90        1.17677                    504821.98
3634325.90        1.11744
         504871.98    3634325.90        1.05878                    504921.98
3634325.90        1.02176
         504971.98    3634325.90        0.98623                    505021.98
3634325.90        0.88856
```

```
         505071.98    3634325.90        0.83616                      505121.98
3634325.90        0.83170
         505171.98    3634325.90        0.77011                      505221.98
3634325.90        0.74715
         502221.98    3634375.90        0.87053                      502271.98
3634375.90        0.91890
         502321.98    3634375.90        0.96968                      502371.98
3634375.90        1.02554
         502421.98    3634375.90        1.09034                      502471.98
3634375.90        1.16163
         502521.98    3634375.90        1.24127                      502571.98
3634375.90        1.32687
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 335
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634375.90        1.41876                      502671.98
3634375.90        1.51868
         504771.98    3634375.90        1.21251                      504821.98
3634375.90        1.18073
         504871.98    3634375.90        1.11976                      504921.98
3634375.90        1.08335
         504971.98    3634375.90        1.01789                      505021.98
3634375.90        0.91157
         505071.98    3634375.90        0.86510                      505121.98
3634375.90        0.86890
         505171.98    3634375.90        0.80845                      505221.98
3634375.90        0.76226
         502221.98    3634425.90        0.87527                      502271.98
```

3634425.90 0.92411
502321.98 3634425.90 0.97676 502371.98
3634425.90 1.03441
502421.98 3634425.90 1.09809 502471.98
3634425.90 1.16749
502521.98 3634425.90 1.24521 502571.98
3634425.90 1.33099
502621.98 3634425.90 1.42685 502671.98
3634425.90 1.53381
504771.98 3634425.90 1.27603 504821.98
3634425.90 1.23224
504871.98 3634425.90 1.22632 504921.98
3634425.90 1.21177
504971.98 3634425.90 1.07981 505021.98
3634425.90 1.00192
505071.98 3634425.90 0.97133 505121.98
3634425.90 0.93318
505171.98 3634425.90 0.86380 505221.98
3634425.90 0.80490
502221.98 3634475.90 0.87601 502271.98
3634475.90 0.92458
502321.98 3634475.90 0.97739 502371.98
3634475.90 1.03519
502421.98 3634475.90 1.09859 502471.98
3634475.90 1.16815
502521.98 3634475.90 1.24589 502571.98
3634475.90 1.33171
502621.98 3634475.90 1.42732 502671.98
3634475.90 1.53450
504771.98 3634475.90 1.34269 504821.98
3634475.90 1.26273
504871.98 3634475.90 1.25944 504921.98
3634475.90 1.34137
504971.98 3634475.90 1.21986 505021.98
3634475.90 1.13730
505071.98 3634475.90 1.08593 505121.98
3634475.90 1.00801
505171.98 3634475.90 0.92594 505221.98
3634475.90 0.85665
502221.98 3634525.90 0.87535 502271.98
3634525.90 0.92338
502321.98 3634525.90 0.97590 502371.98
3634525.90 1.03350
502421.98 3634525.90 1.09646 502471.98
3634525.90 1.16595
502521.98 3634525.90 1.24259 502571.98
3634525.90 1.32805
502621.98 3634525.90 1.42313 502671.98
3634525.90 1.53074
504771.98 3634525.90 1.44928 504821.98

3634525.90   1.32936
         504871.98   3634525.90   1.32353   504921.98
3634525.90   1.44334
         504971.98   3634525.90   1.42077   505021.98
3634525.90   1.30037
         505071.98   3634525.90   1.19670   505121.98
3634525.90   1.07562
         505171.98   3634525.90   0.96636   505221.98
3634525.90   0.87702
         502221.98   3634575.90   0.87383   502271.98
3634575.90   0.92055
         502321.98   3634575.90   0.97232   502371.98
3634575.90   1.02922
         502421.98   3634575.90   1.09171   502471.98
3634575.90   1.16056
         502521.98   3634575.90   1.23630   502571.98
3634575.90   1.32041

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                  INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

505071.98 3634575.90 1.21765 505121.98 3634575.90 1.10338
505171.98 3634575.90 0.94226 505221.98 3634575.90 0.86301
502221.98 3634625.90 0.86995 502271.98 3634625.90 0.91687
502321.98 3634625.90 0.96678 502371.98 3634625.90 1.02270
502421.98 3634625.90 1.08400 502471.98 3634625.90 1.15158
502521.98 3634625.90 1.22701 502571.98 3634625.90 1.30928
502621.98 3634625.90 1.40085 502671.98 3634625.90 1.50262
504771.98 3634625.90 2.01128 504821.98 3634625.90 1.94573
504871.98 3634625.90 1.81083 504921.98 3634625.90 1.67914
504971.98 3634625.90 1.51599 505021.98 3634625.90 1.34768
505071.98 3634625.90 1.19345 505121.98 3634625.90 1.08715
505171.98 3634625.90 0.91745 505221.98 3634625.90 0.83914
502221.98 3634675.90 0.86374 502271.98 3634675.90 0.91072
502321.98 3634675.90 0.96125 502371.98 3634675.90 1.01586
502421.98 3634675.90 1.07599 502471.98 3634675.90 1.14186
502521.98 3634675.90 1.21422 502571.98 3634675.90 1.29438
502621.98 3634675.90 1.38300 502671.98 3634675.90 1.48081
504771.98 3634675.90 2.06885 504821.98 3634675.90 1.92081
504871.98 3634675.90 1.76383 504921.98 3634675.90 1.64674
504971.98 3634675.90 1.52326 505021.98 3634675.90 1.33153
505071.98 3634675.90 1.14329 505121.98 3634675.90 1.05382
505171.98 3634675.90 0.92040 505221.98 3634675.90 0.83648
502221.98 3634725.90 0.85629 502271.98 3634725.90 0.90194
502321.98 3634725.90 0.95032 502371.98 3634725.90 1.00375
502421.98 3634725.90 1.06303 502471.98 3634725.90 1.12712

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                  INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502621.98   3634775.90   1.33216   502671.98
3634775.90   1.42232
         504771.98   3634775.90   1.89820   504821.98

3634775.90 1.78067
504871.98 3634775.90 1.66205 504921.98 3634775.90 1.49757
504971.98 3634775.90 1.25378 505021.98 3634775.90 1.07277
505071.98 3634775.90 1.00425 505121.98 3634775.90 0.93761
505171.98 3634775.90 0.82352 505221.98 3634775.90 0.76594
502221.98 3634825.90 0.83781 502271.98 3634825.90 0.88061
502321.98 3634825.90 0.92639 502371.98 3634825.90 0.97622
502421.98 3634825.90 1.02972 502471.98 3634825.90 1.08762
502521.98 3634825.90 1.15401 502571.98 3634825.90 1.22486
502621.98 3634825.90 1.30221 502671.98 3634825.90 1.38711
504771.98 3634825.90 1.82803 504821.98 3634825.90 1.70532
504871.98 3634825.90 1.57030 504921.98 3634825.90 1.36037
504971.98 3634825.90 1.07436 505021.98 3634825.90 0.91712
505071.98 3634825.90 0.88220 505121.98 3634825.90 0.84612
505171.98 3634825.90 0.76672 505221.98 3634825.90 0.71980
502221.98 3634875.90 0.82616 502271.98 3634875.90 0.86692
502321.98 3634875.90 0.91118 502371.98 3634875.90 0.95929
502421.98 3634875.90 1.01128 502471.98 3634875.90 1.06768
502521.98 3634875.90 1.12908 502571.98 3634875.90 1.19614
502621.98 3634875.90 1.26953 502671.98 3634875.90 1.34997
504771.98 3634875.90 1.75986 504821.98 3634875.90 1.63521
504871.98 3634875.90 1.51698 504921.98 3634875.90 1.26717
504971.98 3634875.90 0.99875 505021.98 3634875.90 0.85286
505071.98 3634875.90 0.77831 505121.98 3634875.90 0.76064
505171.98 3634875.90 0.71619 505221.98 3634875.90 0.68797
502221.98 3634925.90 0.81277 502271.98

3634925.90   0.85220
         502321.98   3634925.90   0.89484   502371.98
3634925.90   0.94078
         502421.98   3634925.90   0.99052   502471.98
3634925.90   1.04401
         502521.98   3634925.90   1.10257   502571.98
3634925.90   1.16606
         502621.98   3634925.90   1.23512   502671.98
3634925.90   1.31104
         504771.98   3634925.90   1.69136   504821.98
3634925.90   1.57175
         504871.98   3634925.90   1.47422   504921.98
3634925.90   1.26339
         504971.98   3634925.90   1.00569   505021.98
3634925.90   0.82740
         505071.98   3634925.90   0.74203   505121.98
3634925.90   0.71974
         505171.98   3634925.90   0.68541   505221.98
3634925.90   0.66412
         502221.98   3634975.90   0.79846   502271.98
3634975.90   0.83658
         502321.98   3634975.90   0.87717   502371.98
3634975.90   0.92113
         502421.98   3634975.90   0.96849   502471.98
3634975.90   1.01950
         502521.98   3634975.90   1.07500   502571.98
3634975.90   1.13488

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         502321.98    3635125.90        0.82079                       502371.98
3635125.90        0.85876
         502421.98    3635125.90        0.89940                       502471.98
3635125.90        0.94295
         502521.98    3635125.90        0.98993                       502571.98
3635125.90        1.04050
         502621.98    3635125.90        1.09493                       502671.98
3635125.90        1.15360
         505021.98    3635125.90        1.05667                       505071.98
3635125.90        0.98095
         505121.98    3635125.90        0.96492                       505171.98
3635125.90        0.93932
         505221.98    3635125.90        0.84561                       502221.98
3635175.90        0.73562
         502271.98    3635175.90        0.76765                       502321.98
3635175.90        0.80131
         502371.98    3635175.90        0.83736                       502421.98
3635175.90        0.87592
         502471.98    3635175.90        0.91721                       502521.98
3635175.90        0.96152
         502571.98    3635175.90        1.00930                       502621.98
3635175.90        1.06060
         502671.98    3635175.90        1.11547                       505121.98
3635175.90        0.96381
         505171.98    3635175.90        0.92211                       505221.98
3635175.90        0.88047
         502221.98    3635225.90        0.71931                       502271.98
3635225.90        0.74973
         502321.98    3635225.90        0.78197                       502371.98
3635225.90        0.81629
         502421.98    3635225.90        0.85291                       502471.98
3635225.90        0.89205
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 339
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3635225.90	0.93400	502571.98	3635225.90	0.97890
502621.98	3635225.90	1.02681	502671.98	3635225.90	1.07810
502221.98	3635275.90	0.70276	502271.98	3635275.90	0.73207
502321.98	3635275.90	0.76259	502371.98	3635275.90	0.79520
502421.98	3635275.90	0.83003	502471.98	3635275.90	0.86707
502521.98	3635275.90	0.90632	502571.98	3635275.90	0.94875
502621.98	3635275.90	0.99361	502671.98	3635275.90	1.04120
502221.98	3635325.90	0.70917	502271.98	3635325.90	0.71454
502321.98	3635325.90	0.74365	502371.98	3635325.90	0.77455
502421.98	3635325.90	0.81387	502471.98	3635325.90	0.84468
502521.98	3635325.90	0.87773	502571.98	3635325.90	0.91927
502621.98	3635325.90	0.96102	502671.98	3635325.90	1.00508
502221.98	3635375.90	0.68869	502271.98	3635375.90	0.69732
502321.98	3635375.90	0.73033	502371.98	3635375.90	0.76049
502421.98	3635375.90	0.78677	502471.98	3635375.90	0.81428
502521.98	3635375.90	0.84731	502571.98	3635375.90	0.88778
502621.98	3635375.90	0.92912	502671.98	3635375.90	0.96997
502221.98	3635425.90	0.66770	502271.98	3635425.90	0.68338
502321.98	3635425.90	0.71047	502371.98	3635425.90	0.73409
502421.98	3635425.90	0.75880	502471.98	3635425.90	0.78447
502521.98	3635425.90	0.81400	502571.98	3635425.90	0.84670
502621.98	3635425.90	0.88130	502671.98		

3635425.90   0.91870
         504771.98   3635425.90   1.10044   502221.98
3635475.90   0.64582
         502271.98   3635475.90   0.66552   502321.98
3635475.90   0.68655
         502371.98   3635475.90   0.70866   502421.98
3635475.90   0.73189
         502471.98   3635475.90   0.75414   502521.98
3635475.90   0.78561
         502571.98   3635475.90   0.81677   502621.98
3635475.90   0.84988
         502671.98   3635475.90   0.88015   504771.98
3635475.90   1.09113
         504821.98   3635475.90   1.04307   504871.98
3635475.90   1.00258
         504921.98   3635475.90   0.95774   502221.98
3635525.90   0.62303
         502271.98   3635525.90   0.64354   502321.98
3635525.90   0.66340
         502371.98   3635525.90   0.68510   502421.98
3635525.90   0.70718
         502471.98   3635525.90   0.73039   502521.98
3635525.90   0.75851
         502571.98   3635525.90   0.78667   502621.98
3635525.90   0.81503
         502671.98   3635525.90   0.84344   502721.98
3635525.90   0.87459
         502771.98   3635525.90   0.90932   502821.98
3635525.90   0.94574
         502871.98   3635525.90   0.98429   502921.98
3635525.90   1.02224
         502971.98   3635525.90   1.06035   503021.98
3635525.90   1.09819
         503071.98   3635525.90   1.13750   503121.98
3635525.90   1.19255
         503171.98   3635525.90   1.22881   503221.98
3635525.90   1.24273

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                  INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503271.98	3635525.90	1.27881	503321.98	3635525.90	1.31587
503371.98	3635525.90	1.35459	503421.98	3635525.90	1.39205
503471.98	3635525.90	1.44031	503521.98	3635525.90	1.47807
503571.98	3635525.90	1.48259	503621.98	3635525.90	1.48539
503671.98	3635525.90	1.49928	503721.98	3635525.90	1.51749
503771.98	3635525.90	1.53891	503821.98	3635525.90	1.55700
503871.98	3635525.90	1.55810	503921.98	3635525.90	1.58545
503971.98	3635525.90	1.61052	504021.98	3635525.90	1.56839
504071.98	3635525.90	1.46923	504121.98	3635525.90	1.44789
504171.98	3635525.90	1.42286	504221.98	3635525.90	1.39599
504271.98	3635525.90	1.36492	504321.98	3635525.90	1.33244
504371.98	3635525.90	1.29853	504421.98	3635525.90	1.26333
504471.98	3635525.90	1.22752	504521.98	3635525.90	1.19094
504571.98	3635525.90	1.15348	504621.98	3635525.90	1.11647
504671.98	3635525.90	1.07965	504721.98	3635525.90	1.09066
504771.98	3635525.90	1.05069	504821.98	3635525.90	1.01401
504871.98	3635525.90	0.97512	504921.98	3635525.90	0.92652
504971.98	3635525.90	0.89226	505021.98	3635525.90	0.86058
505071.98	3635525.90	0.82382	505121.98	3635525.90	0.78890

```
         505171.98    3635525.90        0.75614                        505221.98
3635525.90        0.72533
         502221.98    3635575.90        0.59765                        502271.98
3635575.90        0.62217
         502321.98    3635575.90        0.64207                        502371.98
3635575.90        0.66207
         502421.98    3635575.90        0.68301                        502471.98
3635575.90        0.70697
         502521.98    3635575.90        0.73367                        502571.98
3635575.90        0.75988
         502621.98    3635575.90        0.78554                        502671.98
3635575.90        0.81188
         502721.98    3635575.90        0.84125                        502771.98
3635575.90        0.87464
         502821.98    3635575.90        0.90824                        502871.98
3635575.90        0.94239
         502921.98    3635575.90        0.97669                        502971.98
3635575.90        1.01008
         503021.98    3635575.90        1.04363                        503071.98
3635575.90        1.07818
         503121.98    3635575.90        1.12884                        503171.98
3635575.90        1.16086
         503221.98    3635575.90        1.17796                        503271.98
3635575.90        1.21560
         503321.98    3635575.90        1.25149                        503371.98
3635575.90        1.29107
         503421.98    3635575.90        1.32874                        503471.98
3635575.90        1.37255
         503521.98    3635575.90        1.40589                        503571.98
3635575.90        1.41363
         503621.98    3635575.90        1.40036                        503671.98
3635575.90        1.41001
         503721.98    3635575.90        1.42243                        503771.98
3635575.90        1.43377
         503821.98    3635575.90        1.44129                        503871.98
3635575.90        1.45725
         503921.98    3635575.90        1.47509                        503971.98
3635575.90        1.49615
         504021.98    3635575.90        1.38625                        504071.98
3635575.90        1.37093
         504121.98    3635575.90        1.35227                        504171.98
3635575.90        1.33080
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 341
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504221.98	3635575.90	1.30706	504271.98	3635575.90	1.28140
504321.98	3635575.90	1.25293	504371.98	3635575.90	1.22298
504421.98	3635575.90	1.19198	504471.98	3635575.90	1.16060
504521.98	3635575.90	1.12809	504571.98	3635575.90	1.09561
504621.98	3635575.90	1.06217	504671.98	3635575.90	1.02940
504721.98	3635575.90	1.01633	504771.98	3635575.90	1.00693
504821.98	3635575.90	0.97772	504871.98	3635575.90	0.93913
504921.98	3635575.90	0.88439	504971.98	3635575.90	0.86706
505021.98	3635575.90	0.83688	505071.98	3635575.90	0.80368
505121.98	3635575.90	0.77747	505171.98	3635575.90	0.73855
505221.98	3635575.90	0.71273	502221.98	3635625.90	0.57199
502271.98	3635625.90	0.59752	502321.98	3635625.90	0.61859
502371.98	3635625.90	0.64086	502421.98	3635625.90	0.65594
502471.98	3635625.90	0.67714	502521.98	3635625.90	0.70072
502571.98	3635625.90	0.73153	502621.98	3635625.90	0.75929
502671.98	3635625.90	0.78327	502721.98	3635625.90	0.80966
502771.98	3635625.90	0.83901	502821.98		

```
3635625.90        0.86873
         502871.98    3635625.90        0.89921                        502921.98
3635625.90        0.93016
         502971.98    3635625.90        0.96137                        503021.98
3635625.90        0.99300
         503071.98    3635625.90        1.02520                        503121.98
3635625.90        1.05786
         503171.98    3635625.90        1.09105                        503221.98
3635625.90        1.12456
         503271.98    3635625.90        1.15745                        503321.98
3635625.90        1.19101
         503371.98    3635625.90        1.22380                        503421.98
3635625.90        1.25841
         503471.98    3635625.90        1.29984                        503521.98
3635625.90        1.33300
         503571.98    3635625.90        1.34289                        503621.98
3635625.90        1.33740
         503671.98    3635625.90        1.34437                        503721.98
3635625.90        1.35166
         503771.98    3635625.90        1.35849                        503821.98
3635625.90        1.36055
         503871.98    3635625.90        1.35229                        503921.98
3635625.90        1.37131
         503971.98    3635625.90        1.38589                        504021.98
3635625.90        1.29533
         504071.98    3635625.90        1.28235                        504121.98
3635625.90        1.26631
         504171.98    3635625.90        1.24782                        504221.98
3635625.90        1.22686
         504271.98    3635625.90        1.20421                        504321.98
3635625.90        1.18031
         504371.98    3635625.90        1.15409                        504421.98
3635625.90        1.12652
         504471.98    3635625.90        1.09863                        504521.98
3635625.90        1.06994
         504571.98    3635625.90        1.04114                        504621.98
3635625.90        1.01164
         504671.98    3635625.90        0.98231                        504721.98
3635625.90        0.95280
         504771.98    3635625.90        0.96541                        504821.98
3635625.90        0.93911
         504871.98    3635625.90        0.90476                        504921.98
3635625.90        0.85101
         504971.98    3635625.90        0.84277                        505021.98
3635625.90        0.79457
         505071.98    3635625.90        0.76584                        505121.98
3635625.90        0.75296
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505171.98	3635625.90	0.72141	505221.98	3635625.90	0.69272
502221.98	3635675.90	0.54687	502271.98	3635675.90	0.57338
502321.98	3635675.90	0.59280	502371.98	3635675.90	0.61432
502421.98	3635675.90	0.63273	502471.98	3635675.90	0.65438
502521.98	3635675.90	0.67738	502571.98	3635675.90	0.70384
502621.98	3635675.90	0.73028	502671.98	3635675.90	0.75577
502721.98	3635675.90	0.77947	502771.98	3635675.90	0.80311
502821.98	3635675.90	0.83129	502871.98	3635675.90	0.85935
502921.98	3635675.90	0.88297	502971.98	3635675.90	0.91531
503021.98	3635675.90	0.94304	503071.98	3635675.90	0.97373
503121.98	3635675.90	1.00326	503171.98	3635675.90	1.03303
503221.98	3635675.90	1.06626	503271.98	3635675.90	1.09723
503321.98	3635675.90	1.12796	503371.98	3635675.90	1.16136
503421.98	3635675.90	1.19521	503471.98	3635675.90	1.22778

503521.98 3635675.90 1.25769 503571.98
3635675.90 1.27213
503621.98 3635675.90 1.27113 503671.98
3635675.90 1.27154
503721.98 3635675.90 1.28543 503771.98
3635675.90 1.29239
503821.98 3635675.90 1.28604 503871.98
3635675.90 1.27855
503921.98 3635675.90 1.30091 503971.98
3635675.90 1.30526
504021.98 3635675.90 1.26765 504071.98
3635675.90 1.20218
504121.98 3635675.90 1.18865 504171.98
3635675.90 1.17268
504221.98 3635675.90 1.15459 504271.98
3635675.90 1.13457
504321.98 3635675.90 1.11327 504371.98
3635675.90 1.09072
504421.98 3635675.90 1.06664 504471.98
3635675.90 1.04135
504521.98 3635675.90 1.01554 504571.98
3635675.90 0.99013
504621.98 3635675.90 0.96355 504671.98
3635675.90 0.93758
504721.98 3635675.90 0.91132 504771.98
3635675.90 0.94303
504821.98 3635675.90 0.90153 504871.98
3635675.90 0.87108
504921.98 3635675.90 0.82126 504971.98
3635675.90 0.81751
505021.98 3635675.90 0.78512 505071.98
3635675.90 0.74574
505121.98 3635675.90 0.73494 505171.98
3635675.90 0.70672
505221.98 3635675.90 0.67796 502221.98
3635725.90 0.52571
502271.98 3635725.90 0.55319 502321.98
3635725.90 0.57454
502371.98 3635725.90 0.59639 502421.98
3635725.90 0.61303
502471.98 3635725.90 0.63386 502521.98
3635725.90 0.65385
502571.98 3635725.90 0.68085 502621.98
3635725.90 0.70618
502671.98 3635725.90 0.72832 502721.98
3635725.90 0.75150
502771.98 3635725.90 0.77421 502821.98
3635725.90 0.79878
502871.98 3635725.90 0.82447 502921.98
3635725.90 0.84306

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                   INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3635725.90 1.17124
504271.98 3635725.90 1.15555 504321.98
3635725.90 1.05213
504371.98 3635725.90 1.03199 504421.98
3635725.90 1.01093
504471.98 3635725.90 0.98835 504521.98
3635725.90 1.00385
504571.98 3635725.90 0.94248 504621.98
3635725.90 0.91887
504671.98 3635725.90 0.92686 504721.98
3635725.90 0.87185
504771.98 3635725.90 0.84822 504821.98
3635725.90 0.85295
504871.98 3635725.90 0.80715 504921.98
3635725.90 0.79199
504971.98 3635725.90 0.79161 505021.98
3635725.90 0.76889
505071.98 3635725.90 0.73532 505121.98
3635725.90 0.71746
505171.98 3635725.90 0.69095 505221.98
3635725.90 0.66405
502221.98 3635775.90 0.50831 502271.98
3635775.90 0.53685
502321.98 3635775.90 0.55669 502371.98
3635775.90 0.57822
502421.98 3635775.90 0.59459 502471.98
3635775.90 0.61369
502521.98 3635775.90 0.63324 502571.98
3635775.90 0.65584
502621.98 3635775.90 0.67840 502671.98
3635775.90 0.70088
502721.98 3635775.90 0.72549 502771.98
3635775.90 0.74858
502821.98 3635775.90 0.77051 502871.98
3635775.90 0.79262
502921.98 3635775.90 0.80978 502971.98
3635775.90 0.83432
503021.98 3635775.90 0.84954 503071.98
3635775.90 0.87540
503121.98 3635775.90 0.89925 503171.98
3635775.90 0.92772
503221.98 3635775.90 0.91681 503271.98
3635775.90 0.92088
503321.98 3635775.90 0.96220 503371.98
3635775.90 1.02426
503421.98 3635775.90 1.06862 503471.98
3635775.90 1.09909
503521.98 3635775.90 1.12035 503571.98
3635775.90 1.14526
503621.98 3635775.90 1.15934 503671.98

3635775.90   1.15315
         503721.98   3635775.90   1.14701   503771.98
3635775.90   1.15457
         503821.98   3635775.90   1.15350   503871.98
3635775.90   1.16177
         503921.98   3635775.90   1.18633   503971.98
3635775.90   1.18979

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                  INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         504021.98   3635775.90   1.15127   504071.98
3635775.90   1.16688
         504121.98   3635775.90   1.14063   504171.98
3635775.90   1.12985
         504221.98   3635775.90   1.12973   504271.98
3635775.90   1.11737
         504321.98   3635775.90   1.07805   504371.98
3635775.90   1.01451
         504421.98   3635775.90   0.95933   504471.98
3635775.90   0.98874
         504521.98   3635775.90   0.98791   504571.98
3635775.90   0.89824
         504621.98   3635775.90   0.91961   504671.98
3635775.90   0.87768
         504721.98   3635775.90   0.83458   504771.98
3635775.90   0.81313
         504821.98   3635775.90   0.79176   504871.98
3635775.90   0.77047

504921.98 3635775.90 0.76376 504971.98 3635775.90 0.76744
505021.98 3635775.90 0.74698 505071.98 3635775.90 0.71573
505121.98 3635775.90 0.69708 505171.98 3635775.90 0.67415
505221.98 3635775.90 0.65069 502221.98 3635825.90 0.49289
502271.98 3635825.90 0.52085 502321.98 3635825.90 0.54040
502371.98 3635825.90 0.56145 502421.98 3635825.90 0.57641
502471.98 3635825.90 0.59505 502521.98 3635825.90 0.61320
502571.98 3635825.90 0.63493 502621.98 3635825.90 0.65647
502671.98 3635825.90 0.67787 502721.98 3635825.90 0.69930
502771.98 3635825.90 0.72149 502821.98 3635825.90 0.74218
502871.98 3635825.90 0.76274 502921.98 3635825.90 0.77820
502971.98 3635825.90 0.80116 503021.98 3635825.90 0.80658
503071.98 3635825.90 0.82262 503121.98 3635825.90 0.84843
503171.98 3635825.90 0.87648 503221.98 3635825.90 0.85201
503271.98 3635825.90 0.86680 503321.98 3635825.90 0.90442
503371.98 3635825.90 0.97084 503421.98 3635825.90 1.00897
503471.98 3635825.90 1.04043 503521.98 3635825.90 1.02342
503571.98 3635825.90 1.05698 503621.98 3635825.90 1.09679
503671.98 3635825.90 1.10795 503721.98 3635825.90 1.10175
503771.98 3635825.90 1.09414 503821.98 3635825.90 1.09863
503871.98 3635825.90 1.10484 503921.98 3635825.90 1.12037
503971.98 3635825.90 1.13523 504021.98 3635825.90 1.10553
504071.98 3635825.90 1.13871 504121.98 3635825.90 1.13627
504171.98 3635825.90 1.10339 504221.98 3635825.90 1.09421
504271.98 3635825.90 1.09742 504321.98 3635825.90 1.05995

```
         504371.98    3635825.90        1.01854                      504421.98
3635825.90        0.98984
         504471.98    3635825.90        0.97514                      504521.98
3635825.90        0.96082
         504571.98    3635825.90        0.92210                      504621.98
3635825.90        0.89764
         504671.98    3635825.90        0.85197                      504721.98
3635825.90        0.79958
         504771.98    3635825.90        0.78012                      504821.98
3635825.90        0.78090
         504871.98    3635825.90        0.77532                      504921.98
3635825.90        0.74704
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 345
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         504971.98    3635825.90        0.73745                      505021.98
3635825.90        0.71894
         505071.98    3635825.90        0.70025                      505121.98
3635825.90        0.67747
         505171.98    3635825.90        0.65828                      505221.98
3635825.90        0.63697
         502221.98    3635875.90        0.47947                      502271.98
3635875.90        0.50651
         502321.98    3635875.90        0.52653                      502371.98
3635875.90        0.54501
         502421.98    3635875.90        0.55954                      502471.98
3635875.90        0.57706
         502521.98    3635875.90        0.59360                      502571.98
```

3635875.90 0.61422
502621.98 3635875.90 0.63253 502671.98
3635875.90 0.65321
502721.98 3635875.90 0.67459 502771.98
3635875.90 0.69543
502821.98 3635875.90 0.71456 502871.98
3635875.90 0.73397
502921.98 3635875.90 0.74361 502971.98
3635875.90 0.76530
503021.98 3635875.90 0.76731 503071.98
3635875.90 0.78237
503121.98 3635875.90 0.80411 503171.98
3635875.90 0.83025
503221.98 3635875.90 0.83812 503271.98
3635875.90 0.84195
503321.98 3635875.90 0.88991 503371.98
3635875.90 0.91949
503421.98 3635875.90 0.95643 503471.98
3635875.90 0.97887
503521.98 3635875.90 0.91337 503571.98
3635875.90 0.99640
503621.98 3635875.90 1.04151 503671.98
3635875.90 1.04863
503721.98 3635875.90 1.04533 503771.98
3635875.90 1.04256
503821.98 3635875.90 1.04847 503871.98
3635875.90 1.06240
503921.98 3635875.90 1.06789 503971.98
3635875.90 1.07633
504021.98 3635875.90 1.06790 504071.98
3635875.90 1.09042
504121.98 3635875.90 1.08991 504171.98
3635875.90 1.07790
504221.98 3635875.90 1.08094 504271.98
3635875.90 1.07490
504321.98 3635875.90 1.04126 504371.98
3635875.90 1.01093
504421.98 3635875.90 0.98856 504471.98
3635875.90 0.94878
504521.98 3635875.90 0.92295 504571.98
3635875.90 0.89648
504621.98 3635875.90 0.86989 504671.98
3635875.90 0.84064
504721.98 3635875.90 0.76648 504771.98
3635875.90 0.74877
504821.98 3635875.90 0.75562 504871.98
3635875.90 0.73971
504921.98 3635875.90 0.72764 504971.98
3635875.90 0.71698
505021.98 3635875.90 0.69442 505071.98

3635875.90   0.67416
         505121.98   3635875.90   0.65867   505171.98
3635875.90   0.64058
         505221.98   3635875.90   0.62273   502221.98
3635925.90   0.46559
         502271.98   3635925.90   0.49175   502321.98
3635925.90   0.51002
         502371.98   3635925.90   0.52957   502421.98
3635925.90   0.54344
         502471.98   3635925.90   0.55992   502521.98
3635925.90   0.57395
         502571.98   3635925.90   0.59299   502621.98
3635925.90   0.61138
         502671.98   3635925.90   0.63095   502721.98
3635925.90   0.65110
         502771.98   3635925.90   0.67085   502821.98
3635925.90   0.68832

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                  INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

503271.98 3635925.90 0.81540 503321.98
3635925.90 0.84750
503371.98 3635925.90 0.87912 503421.98
3635925.90 0.90740
503471.98 3635925.90 0.89791 503521.98
3635925.90 0.87010
503571.98 3635925.90 0.93597 503621.98
3635925.90 0.99126
503671.98 3635925.90 0.99651 503721.98
3635925.90 0.99884
503771.98 3635925.90 1.00164 503821.98
3635925.90 1.00266
503871.98 3635925.90 1.00321 503921.98
3635925.90 1.01121
503971.98 3635925.90 1.02263 504021.98
3635925.90 1.02397
504071.98 3635925.90 1.03448 504121.98
3635925.90 1.04234
504171.98 3635925.90 1.04641 504221.98
3635925.90 1.05216
504271.98 3635925.90 1.03727 504321.98
3635925.90 1.01441
504371.98 3635925.90 0.99947 504421.98
3635925.90 0.98197
504471.98 3635925.90 0.95259 504521.98
3635925.90 0.91500
504571.98 3635925.90 0.87529 504621.98
3635925.90 0.83501
504671.98 3635925.90 0.81637 504721.98
3635925.90 0.78850
504771.98 3635925.90 0.76088 504821.98
3635925.90 0.70938
504871.98 3635925.90 0.70574 504921.98
3635925.90 0.69502
504971.98 3635925.90 0.69518 505021.98
3635925.90 0.68087
505071.98 3635925.90 0.66358 505121.98
3635925.90 0.64149
505171.98 3635925.90 0.62344 505221.98
3635925.90 0.61372
502221.98 3635975.90 0.44884 502271.98
3635975.90 0.47379
502321.98 3635975.90 0.49187 502371.98
3635975.90 0.51301
502421.98 3635975.90 0.52651 502471.98
3635975.90 0.54277
502521.98 3635975.90 0.55687 502571.98
3635975.90 0.57682
502621.98 3635975.90 0.59380 502671.98
3635975.90 0.61048

```
         502721.98    3635975.90        0.62889                      502771.98
3635975.90        0.64687
         502821.98    3635975.90        0.66294                      502871.98
3635975.90        0.68074
         502921.98    3635975.90        0.68745                      502971.98
3635975.90        0.70377
         503021.98    3635975.90        0.70414                      503071.98
3635975.90        0.71849
         503121.98    3635975.90        0.73055                      503171.98
3635975.90        0.74620
         503221.98    3635975.90        0.76128                      503271.98
3635975.90        0.78651
         503321.98    3635975.90        0.81273                      503371.98
3635975.90        0.84799
         503421.98    3635975.90        0.84122                      503471.98
3635975.90        0.83641
         503521.98    3635975.90        0.86592                      503571.98
3635975.90        0.92477
         503621.98    3635975.90        0.94295                      503671.98
3635975.90        0.95024
         503721.98    3635975.90        0.95392                      503771.98
3635975.90        0.95631
```



```
                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         503821.98    3635975.90        0.95641                      503871.98
3635975.90        0.95414
         503921.98    3635975.90        0.96045                      503971.98
```

3635975.90 0.97044
504021.98 3635975.90 0.98204 504071.98
3635975.90 0.99407
504121.98 3635975.90 1.00316 504171.98
3635975.90 1.00989
504221.98 3635975.90 1.01148 504271.98
3635975.90 1.00174
504321.98 3635975.90 0.99152 504371.98
3635975.90 0.98300
504421.98 3635975.90 0.96623 504471.98
3635975.90 0.93850
504521.98 3635975.90 0.91480 504571.98
3635975.90 0.88635
504621.98 3635975.90 0.86252 504671.98
3635975.90 0.82288
504721.98 3635975.90 0.79316 504771.98
3635975.90 0.75876
504821.98 3635975.90 0.72416 504871.98
3635975.90 0.69905
504921.98 3635975.90 0.67829 504971.98
3635975.90 0.67287
505021.98 3635975.90 0.65972 505071.98
3635975.90 0.64466
505121.98 3635975.90 0.62656 505171.98
3635975.90 0.60991
505221.98 3635975.90 0.59073 501721.98
3632475.90 0.32536
501821.98 3632475.90 0.33949 501921.98
3632475.90 0.35427
502021.98 3632475.90 0.36974 502121.98
3632475.90 0.38579
502221.98 3632475.90 0.40248 502321.98
3632475.90 0.41975
502421.98 3632475.90 0.43742 502521.98
3632475.90 0.45541
502621.98 3632475.90 0.47344 502721.98
3632475.90 0.49139
502821.98 3632475.90 0.50912 502921.98
3632475.90 0.46251
503021.98 3632475.90 0.45394 503121.98
3632475.90 0.43599
503221.98 3632475.90 0.45596 503321.98
3632475.90 0.42978
503421.98 3632475.90 0.41782 503721.98
3632475.90 0.39815
503821.98 3632475.90 0.36690 503921.98
3632475.90 0.33737
504021.98 3632475.90 0.31371 504121.98
3632475.90 0.30803
504221.98 3632475.90 0.28891 504321.98

3632475.90   0.28106
         504421.98   3632475.90   0.30051   504521.98
3632475.90   0.32091
         504621.98   3632475.90   0.27946   504721.98
3632475.90   0.26574
         504821.98   3632475.90   0.26742   504921.98
3632475.90   0.26332
         505021.98   3632475.90   0.25525   505121.98
3632475.90   0.25955
         505221.98   3632475.90   0.25330   505321.98
3632475.90   0.25052
         505421.98   3632475.90   0.25054   505521.98
3632475.90   0.25249
         505621.98   3632475.90   0.26092   505721.98
3632475.90   0.27210
         501721.98   3632575.90   0.33850   501821.98
3632575.90   0.35391
         501921.98   3632575.90   0.37014   502021.98
3632575.90   0.38720
         502121.98   3632575.90   0.40504   502221.98
3632575.90   0.42368
         502321.98   3632575.90   0.44303   502421.98
3632575.90   0.46300
         502521.98   3632575.90   0.48346   502621.98
3632575.90   0.50423
         502721.98   3632575.90   0.52494   502821.98
3632575.90   0.54562

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         504421.98    3632675.90        0.29993                       504521.98
3632675.90        0.30632
         504621.98    3632675.90        0.30328                       504721.98
3632675.90        0.30059
         504821.98    3632675.90        0.30212                       504921.98
3632675.90        0.29790
         505021.98    3632675.90        0.29712                       505121.98
3632675.90        0.29894
         505221.98    3632675.90        0.29820                       505321.98
3632675.90        0.29674
         505421.98    3632675.90        0.30493                       505521.98
3632675.90        0.31546
         505621.98    3632675.90        0.31732                       505721.98
3632675.90        0.30853
         502421.98    3632775.90        0.51962                       502521.98
3632775.90        0.47257
         502621.98    3632775.90        0.50573                       502721.98
3632775.90        0.60235
         502821.98    3632775.90        0.53129                       502921.98
3632775.90        0.44345
         503021.98    3632775.90        0.40851                       503121.98
3632775.90        0.45588
         503221.98    3632775.90        0.50129                       503621.98
3632775.90        0.50368
         503721.98    3632775.90        0.48366                       503821.98
3632775.90        0.42604
         503921.98    3632775.90        0.41650                       504021.98
3632775.90        0.40177
         504121.98    3632775.90        0.36312                       504221.98
3632775.90        0.33617
         504321.98    3632775.90        0.32446                       504421.98
3632775.90        0.32491
```



```
                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504521.98	3632775.90	0.32561	504621.98	3632775.90	0.32498
504721.98	3632775.90	0.32667	504821.98	3632775.90	0.32514
504921.98	3632775.90	0.32692	505021.98	3632775.90	0.32756
505121.98	3632775.90	0.32703	505221.98	3632775.90	0.32523
505321.98	3632775.90	0.33012	505421.98	3632775.90	0.34046
505521.98	3632775.90	0.34637	505621.98	3632775.90	0.34579
505721.98	3632775.90	0.33782	501721.98	3632875.90	0.38078
501821.98	3632875.90	0.40083	501921.98	3632875.90	0.42222
502021.98	3632875.90	0.44499	502121.98	3632875.90	0.46933
502221.98	3632875.90	0.49503	502321.98	3632875.90	0.52253
502421.98	3632875.90	0.55176	502521.98	3632875.90	0.58233
502621.98	3632875.90	0.61417	502721.98	3632875.90	0.64685
502821.98	3632875.90	0.57426	502921.98	3632875.90	0.44401
503021.98	3632875.90	0.32851	503121.98	3632875.90	0.41282
503221.98	3632875.90	0.57812	503321.98	3632875.90	0.60338
503421.98	3632875.90	0.59863	503621.98	3632875.90	0.55090
503721.98	3632875.90	0.52373	503821.98	3632875.90	0.45295
503921.98	3632875.90	0.39199	504021.98	3632875.90	0.38732
504121.98	3632875.90	0.38058	504221.98	3632875.90	0.36287
504321.98	3632875.90	0.35806	504421.98	3632875.90	0.35405
504521.98	3632875.90	0.35344	504621.98	3632875.90	0.35518
504721.98	3632875.90	0.35784	504821.98		

3632875.90   0.35827
         504921.98   3632875.90   0.36161   505021.98
3632875.90   0.36209
         505121.98   3632875.90   0.36004   505221.98
3632875.90   0.36403
         505321.98   3632875.90   0.37270   505421.98
3632875.90   0.38007
         505521.98   3632875.90   0.37650   505621.98
3632875.90   0.37695
         505721.98   3632875.90   0.36569   501721.98
3632975.90   0.39545
         501821.98   3632975.90   0.41737   501921.98
3632975.90   0.44087
         502021.98   3632975.90   0.46609   502121.98
3632975.90   0.49304
         505321.98   3632975.90   0.42034   505421.98
3632975.90   0.41805
         505521.98   3632975.90   0.41818   505621.98
3632975.90   0.41067
         505721.98   3632975.90   0.39470   501721.98
3633075.90   0.41018
         501821.98   3633075.90   0.43399   501921.98
3633075.90   0.45987
         502021.98   3633075.90   0.48767   502121.98
3633075.90   0.51774
         505321.98   3633075.90   0.46321   505421.98
3633075.90   0.46524
         505521.98   3633075.90   0.46120   505621.98
3633075.90   0.44679
         505721.98   3633075.90   0.42115   501721.98
3633175.90   0.42499
         501821.98   3633175.90   0.45089   501921.98
3633175.90   0.47902
         502021.98   3633175.90   0.50976   502121.98
3633175.90   0.54262
         505321.98   3633175.90   0.51393   505421.98
3633175.90   0.50568

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                  INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633175.90	0.49801	505621.98	3633175.90	0.48371
505721.98	3633175.90	0.45113	501721.98	3633275.90	0.43974
501821.98	3633275.90	0.46801	501921.98	3633275.90	0.49867
502021.98	3633275.90	0.53234	502121.98	3633275.90	0.56868
505321.98	3633275.90	0.56914	505421.98	3633275.90	0.54279
505521.98	3633275.90	0.53106	505621.98	3633275.90	0.51965
505721.98	3633275.90	0.48820	501721.98	3633375.90	0.45426
501821.98	3633375.90	0.48463	501921.98	3633375.90	0.51791
502021.98	3633375.90	0.55464	502121.98	3633375.90	0.59516
505321.98	3633375.90	0.62746	505421.98	3633375.90	0.58142
505521.98	3633375.90	0.55933	505621.98	3633375.90	0.55087
505721.98	3633375.90	0.51781	501721.98	3633475.90	0.46863
501821.98	3633475.90	0.50125	501921.98	3633475.90	0.53748
502021.98	3633475.90	0.57746	502121.98	3633475.90	0.62137
505321.98	3633475.90	0.67873	505421.98	3633475.90	0.62370
505521.98	3633475.90	0.59082	505621.98	3633475.90	0.55522
505721.98	3633475.90	0.52121	501721.98	3633575.90	0.48253
501821.98	3633575.90	0.51748	501921.98	3633575.90	0.55620
502021.98	3633575.90	0.59929	502121.98	3633575.90	0.64871

```
         505321.98    3633575.90        0.71624                        505421.98
3633575.90        0.63453
         505521.98    3633575.90        0.58780                        505621.98
3633575.90        0.55774
         505721.98    3633575.90        0.53058                        501721.98
3633675.90        0.49591
         501821.98    3633675.90        0.53273                        501921.98
3633675.90        0.57434
         502021.98    3633675.90        0.62110                        502121.98
3633675.90        0.67425
         505321.98    3633675.90        0.70706                        505421.98
3633675.90        0.62249
         505521.98    3633675.90        0.58946                        505621.98
3633675.90        0.56994
         505721.98    3633675.90        0.55611                        501721.98
3633775.90        0.50851
         501821.98    3633775.90        0.54747                        501921.98
3633775.90        0.59143
         502021.98    3633775.90        0.64115                        502121.98
3633775.90        0.69743
         505321.98    3633775.90        0.72602                        505421.98
3633775.90        0.66304
         505521.98    3633775.90        0.61405                        505621.98
3633775.90        0.58460
         505721.98    3633775.90        0.56292                        501721.98
3633875.90        0.51982
         501821.98    3633875.90        0.56123                        501921.98
3633875.90        0.60639
         502021.98    3633875.90        0.66002                        502121.98
3633875.90        0.71991
         505321.98    3633875.90        0.75178                        505421.98
3633875.90        0.68281
         505521.98    3633875.90        0.61433                        505621.98
3633875.90        0.55668
         505721.98    3633875.90        0.53159                        501721.98
3633975.90        0.52993
         501821.98    3633975.90        0.57280                        501921.98
3633975.90        0.62139
         502021.98    3633975.90        0.67656                        502121.98
3633975.90        0.74061
         505321.98    3633975.90        0.70778                        505421.98
3633975.90        0.63343
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 351
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633975.90	0.56943	505621.98	3633975.90	0.52064
505721.98	3633975.90	0.49535	501721.98	3634075.90	0.53835
501821.98	3634075.90	0.58285	501921.98	3634075.90	0.63336
502021.98	3634075.90	0.69103	502121.98	3634075.90	0.75739
505321.98	3634075.90	0.64488	505421.98	3634075.90	0.59536
505521.98	3634075.90	0.57179	505621.98	3634075.90	0.53879
505721.98	3634075.90	0.48764	501721.98	3634175.90	0.54403
501821.98	3634175.90	0.59050	501921.98	3634175.90	0.64275
502021.98	3634175.90	0.70041	502121.98	3634175.90	0.77014
505321.98	3634175.90	0.69233	505421.98	3634175.90	0.65022
505521.98	3634175.90	0.61123	505621.98	3634175.90	0.53267
505721.98	3634175.90	0.47056	501721.98	3634275.90	0.54851
501821.98	3634275.90	0.59468	501921.98	3634275.90	0.64736
502021.98	3634275.90	0.70752	502121.98	3634275.90	0.77775
505321.98	3634275.90	0.75491	505421.98	3634275.90	0.70123
505521.98	3634275.90	0.57028	505621.98	3634275.90	0.50851
505721.98	3634275.90	0.44928	501721.98		

```
3634375.90        0.55278
         501821.98    3634375.90        0.60029                        501921.98
3634375.90        0.65270
         502021.98    3634375.90        0.71379                        502121.98
3634375.90        0.78655
         505321.98    3634375.90        0.79324                        505421.98
3634375.90        0.71174
         505521.98    3634375.90        0.55329                        505621.98
3634375.90        0.48225
         505721.98    3634375.90        0.43992                        501721.98
3634475.90        0.55487
         501821.98    3634475.90        0.60259                        501921.98
3634475.90        0.65675
         502021.98    3634475.90        0.71973                        502121.98
3634475.90        0.79127
         505321.98    3634475.90        0.79967                        505421.98
3634475.90        0.83441
         505521.98    3634475.90        0.66086                        505621.98
3634475.90        0.54077
         505721.98    3634475.90        0.45780                        501721.98
3634575.90        0.55439
         501821.98    3634575.90        0.60126                        501921.98
3634575.90        0.65496
         502021.98    3634575.90        0.71733                        502121.98
3634575.90        0.78972
         505321.98    3634575.90        0.77779                        505421.98
3634575.90        0.87065
         505521.98    3634575.90        0.76294                        505621.98
3634575.90        0.57635
         505721.98    3634575.90        0.47747                        501721.98
3634675.90        0.55211
         501821.98    3634675.90        0.59883                        501921.98
3634675.90        0.65161
         502021.98    3634675.90        0.71271                        502121.98
3634675.90        0.78089
         505321.98    3634675.90        0.78606                        505421.98
3634675.90        0.87016
         505521.98    3634675.90        0.85024                        505621.98
3634675.90        0.70408
         505721.98    3634675.90        0.54614                        501721.98
3634775.90        0.54705
         501821.98    3634775.90        0.59274                        501921.98
3634775.90        0.64357
         502021.98    3634775.90        0.70295                        502121.98
3634775.90        0.77031
         505321.98    3634775.90        0.77445                        505421.98
3634775.90        0.92281
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3634775.90	0.84860	505621.98	3634775.90	0.76130
505721.98	3634775.90	0.65719	501721.98	3634875.90	0.53936
501821.98	3634875.90	0.58336	501921.98	3634875.90	0.63264
502021.98	3634875.90	0.68842	502121.98	3634875.90	0.75248
505321.98	3634875.90	0.80623	505421.98	3634875.90	0.88538
505521.98	3634875.90	0.81680	505621.98	3634875.90	0.75560
505721.98	3634875.90	0.69674	501721.98	3634975.90	0.52972
501821.98	3634975.90	0.57108	501921.98	3634975.90	0.61724
502021.98	3634975.90	0.66981	502121.98	3634975.90	0.72992
505321.98	3634975.90	0.82769	505421.98	3634975.90	0.83382
505521.98	3634975.90	0.77203	505621.98	3634975.90	0.71735
505721.98	3634975.90	0.66883	501721.98	3635075.90	0.51699
501821.98	3635075.90	0.55607	501921.98	3635075.90	0.70978
502021.98	3635075.90	0.75130	502121.98	3635075.90	0.70460

505321.98 3635075.90 0.82626 505421.98
3635075.90 0.78779
505521.98 3635075.90 0.72935 505621.98
3635075.90 0.67735
505721.98 3635075.90 0.63294 501721.98
3635175.90 0.59357
501821.98 3635175.90 0.62334 501921.98
3635175.90 0.68028
502021.98 3635175.90 0.71126 502121.98
3635175.90 0.67742
505321.98 3635175.90 0.81028 505421.98
3635175.90 0.74894
505521.98 3635175.90 0.69357 505621.98
3635175.90 0.64491
505721.98 3635175.90 0.60205 501721.98
3635275.90 0.57161
501821.98 3635275.90 0.60055 501921.98
3635275.90 0.63017
502021.98 3635275.90 0.66247 502121.98
3635275.90 0.69339
505621.98 3635275.90 0.61321 505721.98
3635275.90 0.57420
501721.98 3635375.90 0.51994 501821.98
3635375.90 0.54962
501921.98 3635375.90 0.57791 502021.98
3635375.90 0.60980
502121.98 3635375.90 0.64984 505621.98
3635375.90 0.59154
501721.98 3635475.90 0.47064 501821.98
3635475.90 0.49744
501921.98 3635475.90 0.53700 502021.98
3635475.90 0.57553
502121.98 3635475.90 0.60856 505621.98
3635475.90 0.56724
505721.98 3635475.90 0.53231 501721.98
3635575.90 0.43334
501821.98 3635575.90 0.46108 501921.98
3635575.90 0.50051
502021.98 3635575.90 0.53060 502121.98
3635575.90 0.55641
505321.98 3635575.90 0.65976 505421.98
3635575.90 0.61813
505521.98 3635575.90 0.57914 505621.98
3635575.90 0.54343
505721.98 3635575.90 0.51103 501721.98
3635675.90 0.39774
501821.98 3635675.90 0.42958 501921.98
3635675.90 0.46075
502021.98 3635675.90 0.48662 502121.98
3635675.90 0.51002

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3635675.90	0.55266	505621.98	3635675.90	0.52024
505721.98	3635675.90	0.49040	501721.98	3635775.90	0.36559
501821.98	3635775.90	0.39895	501921.98	3635775.90	0.42897
502021.98	3635775.90	0.45355	502121.98	3635775.90	0.47946
505321.98	3635775.90	0.60639	505421.98	3635775.90	0.56618
505521.98	3635775.90	0.52913	505621.98	3635775.90	0.49499
505721.98	3635775.90	0.46754	501721.98	3635875.90	0.33562
501821.98	3635875.90	0.36871	501921.98	3635875.90	0.40023
502021.98	3635875.90	0.42186	502121.98	3635875.90	0.44831
505321.98	3635875.90	0.59124	505421.98	3635875.90	0.54396
505521.98	3635875.90	0.51010	505621.98	3635875.90	0.47867
505721.98	3635875.90	0.45156	501721.98		

3635975.90 0.31521
501821.98 3635975.90 0.34760 501921.98
3635975.90 0.37485
502021.98 3635975.90 0.39371 502121.98
3635975.90 0.41864
505321.98 3635975.90 0.56161 505421.98
3635975.90 0.52413
505521.98 3635975.90 0.49151 505621.98
3635975.90 0.46379
505721.98 3635975.90 0.43536 501721.98
3636075.90 0.30352
501821.98 3636075.90 0.32542 501921.98
3636075.90 0.34989
502021.98 3636075.90 0.36892 502121.98
3636075.90 0.39333
502221.98 3636075.90 0.42366 502321.98
3636075.90 0.46152
502421.98 3636075.90 0.49577 502521.98
3636075.90 0.52525
502621.98 3636075.90 0.55600 502721.98
3636075.90 0.58796
502821.98 3636075.90 0.61727 502921.98
3636075.90 0.63903
503021.98 3636075.90 0.65881 503121.98
3636075.90 0.65946
503221.98 3636075.90 0.70208 503321.98
3636075.90 0.75494
503421.98 3636075.90 0.79652 503521.98
3636075.90 0.83363
503621.98 3636075.90 0.85679 503721.98
3636075.90 0.86847
503821.98 3636075.90 0.87428 503921.98
3636075.90 0.88475
504021.98 3636075.90 0.89959 504121.98
3636075.90 0.90800
504221.98 3636075.90 0.91187 504321.98
3636075.90 0.91306
504421.98 3636075.90 0.88767 504521.98
3636075.90 0.84754
504621.98 3636075.90 0.82099 504721.98
3636075.90 0.78612
504821.98 3636075.90 0.72158 504921.98
3636075.90 0.66020
505021.98 3636075.90 0.62598 505121.98
3636075.90 0.59192
505221.98 3636075.90 0.56142 505321.98
3636075.90 0.53498
505421.98 3636075.90 0.49969 505521.98
3636075.90 0.47621
505621.98 3636075.90 0.44876 505721.98

3636075.90   0.42256
         501721.98   3636175.90   0.28261   501821.98
3636175.90   0.30406
         501921.98   3636175.90   0.32952   502021.98
3636175.90   0.34903
         502121.98   3636175.90   0.37231   502221.98
3636175.90   0.40258

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                  INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502321.98   3636175.90   0.43876   502421.98
3636175.90   0.47082
         502521.98   3636175.90   0.49765   502621.98
3636175.90   0.52511
         502721.98   3636175.90   0.54865   502821.98
3636175.90   0.57174
         502921.98   3636175.90   0.59177   503021.98
3636175.90   0.60277
         503121.98   3636175.90   0.57840   503221.98
3636175.90   0.63564
         503321.98   3636175.90   0.69124   503421.98
3636175.90   0.72832
         503521.98   3636175.90   0.75565   503621.98
3636175.90   0.77870
         503721.98   3636175.90   0.78770   503821.98
3636175.90   0.78942
         503921.98   3636175.90   0.79360   504021.98
3636175.90   0.79855

504121.98 3636175.90 0.79292 504221.98
3636175.90 0.79872
504321.98 3636175.90 0.76005 504421.98
3636175.90 0.69853
504521.98 3636175.90 0.60452 504621.98
3636175.90 0.64762
504721.98 3636175.90 0.73168 504821.98
3636175.90 0.70046
504921.98 3636175.90 0.66507 505021.98
3636175.90 0.61319
505121.98 3636175.90 0.56182 505221.98
3636175.90 0.53568
505321.98 3636175.90 0.51436 505421.98
3636175.90 0.48991
505521.98 3636175.90 0.45990 505621.98
3636175.90 0.43545
505721.98 3636175.90 0.41122 501721.98
3636275.90 0.27013
501821.98 3636275.90 0.28914 501921.98
3636275.90 0.31218
502021.98 3636275.90 0.33540 502121.98
3636275.90 0.36233
502221.98 3636275.90 0.39127 502321.98
3636275.90 0.42021
502421.98 3636275.90 0.44749 502521.98
3636275.90 0.47255
502621.98 3636275.90 0.49195 502721.98
3636275.90 0.51109
502821.98 3636275.90 0.52923 502921.98
3636275.90 0.54424
503021.98 3636275.90 0.56112 503121.98
3636275.90 0.56079
503221.98 3636275.90 0.56889 503321.98
3636275.90 0.60870
503421.98 3636275.90 0.65201 503521.98
3636275.90 0.68078
503621.98 3636275.90 0.70102 503721.98
3636275.90 0.71028
503821.98 3636275.90 0.71075 503921.98
3636275.90 0.71109
504021.98 3636275.90 0.70316 504121.98
3636275.90 0.67808
504221.98 3636275.90 0.61758 504321.98
3636275.90 0.50860
504421.98 3636275.90 0.49112 504521.98
3636275.90 0.47081
504621.98 3636275.90 0.50654 504721.98
3636275.90 0.57091
504821.98 3636275.90 0.51759 504921.98
3636275.90 0.60376

```
         505021.98    3636275.90        0.58460                      505121.98
3636275.90        0.53557
         505221.98    3636275.90        0.51088                      505321.98
3636275.90        0.49380
         505421.98    3636275.90        0.47321                      505521.98
3636275.90        0.44565
         505621.98    3636275.90        0.42334                      505721.98
3636275.90        0.40199
         501721.98    3636375.90        0.25788                      501821.98
3636375.90        0.27725
         501921.98    3636375.90        0.30173                      502021.98
3636375.90        0.32244
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 355
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502121.98    3636375.90        0.34780                      502221.98
3636375.90        0.37262
         502321.98    3636375.90        0.39721                      502421.98
3636375.90        0.42450
         502521.98    3636375.90        0.44604                      502621.98
3636375.90        0.46519
         502721.98    3636375.90        0.47659                      502821.98
3636375.90        0.48647
         502921.98    3636375.90        0.49533                      503021.98
3636375.90        0.50323
         503121.98    3636375.90        0.50211                      503221.98
3636375.90        0.50278
         503321.98    3636375.90        0.53243                      503421.98
```

3636375.90 0.58601
503521.98 3636375.90 0.60922 503621.98
3636375.90 0.62518
503721.98 3636375.90 0.63805 503821.98
3636375.90 0.64119
503921.98 3636375.90 0.62252 504021.98
3636375.90 0.61036
504121.98 3636375.90 0.57075 504221.98
3636375.90 0.49982
504321.98 3636375.90 0.44819 504421.98
3636375.90 0.43149
504521.98 3636375.90 0.42615 504621.98
3636375.90 0.44229
504721.98 3636375.90 0.46895 504821.98
3636375.90 0.43096
504921.98 3636375.90 0.42751 505021.98
3636375.90 0.53769
505121.98 3636375.90 0.52457 505221.98
3636375.90 0.49781
505321.98 3636375.90 0.47544 505421.98
3636375.90 0.45276
505521.98 3636375.90 0.43257 505621.98
3636375.90 0.41191
505721.98 3636375.90 0.39200 501721.98
3636475.90 0.24117
501821.98 3636475.90 0.26072 501921.98
3636475.90 0.28915
502021.98 3636475.90 0.30643 502121.98
3636475.90 0.32742
502221.98 3636475.90 0.35327 502321.98
3636475.90 0.38021
502421.98 3636475.90 0.40404 502521.98
3636475.90 0.42065
502621.98 3636475.90 0.43566 502721.98
3636475.90 0.44532
502821.98 3636475.90 0.44478 502921.98
3636475.90 0.45109
503021.98 3636475.90 0.45097 503121.98
3636475.90 0.44540
503221.98 3636475.90 0.44639 503321.98
3636475.90 0.47920
503421.98 3636475.90 0.51511 503521.98
3636475.90 0.54164
503621.98 3636475.90 0.55721 503721.98
3636475.90 0.57238
503821.98 3636475.90 0.56081 503921.98
3636475.90 0.54357
504021.98 3636475.90 0.45441 504121.98
3636475.90 0.46478
504221.98 3636475.90 0.45942 504321.98

```
3636475.90        0.40617
         504421.98    3636475.90        0.39361                      504521.98
3636475.90        0.38921
         504621.98    3636475.90        0.38703                      504721.98
3636475.90        0.38566
         504821.98    3636475.90        0.38004                      504921.98
3636475.90        0.39870
         505021.98    3636475.90        0.48960                      505121.98
3636475.90        0.50468
         505221.98    3636475.90        0.47857                      505321.98
3636475.90        0.45622
         505421.98    3636475.90        0.43347                      505521.98
3636475.90        0.41528
         505621.98    3636475.90        0.39811                      505721.98
3636475.90        0.37999
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 356
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502721.98    3633475.90        0.97269                      502771.98
3633475.90        1.01425
         502821.98    3633475.90        1.05766                      502871.98
3633475.90        1.10291
         502921.98    3633475.90        1.14951                      502971.98
3633475.90        1.19836
```

503021.98 3633475.90 1.24888 503071.98 3633475.90 1.30027
503121.98 3633475.90 1.35327 503171.98 3633475.90 1.40699
503221.98 3633475.90 1.45862 503271.98 3633475.90 1.49209
503321.98 3633475.90 1.27297 503371.98 3633475.90 0.94813
503421.98 3633475.90 0.96583 503471.98 3633475.90 0.99366
503521.98 3633475.90 1.04280 503621.98 3633475.90 1.05229
503671.98 3633475.90 0.93899 503721.98 3633475.90 0.86311
503771.98 3633475.90 0.87409 503821.98 3633475.90 0.83595
503871.98 3633475.90 0.83906 503921.98 3633475.90 0.90426
503971.98 3633475.90 0.91252 504021.98 3633475.90 0.87289
504071.98 3633475.90 0.88530 504121.98 3633475.90 0.92120
504171.98 3633475.90 0.88561 504221.98 3633475.90 0.90613
504271.98 3633475.90 0.94020 504321.98 3633475.90 0.94238
504371.98 3633475.90 0.85906 504421.98 3633475.90 0.80466
504471.98 3633475.90 0.77494 504521.98 3633475.90 0.76590
504571.98 3633475.90 0.78153 504621.98 3633475.90 0.80565
504671.98 3633475.90 0.81747 504721.98 3633475.90 0.83795
502721.98 3633525.90 1.01115 502771.98 3633525.90 1.05646
502821.98 3633525.90 1.10415 502871.98 3633525.90 1.15434
502921.98 3633525.90 1.20644 502971.98 3633525.90 1.26084
503021.98 3633525.90 1.31725 503071.98 3633525.90 1.37556
503121.98 3633525.90 1.43538 503171.98 3633525.90 1.49622
503221.98 3633525.90 1.55737 503271.98 3633525.90 1.59847
503321.98 3633525.90 1.62616 503371.98 3633525.90 1.27326
503421.98 3633525.90 1.23678 503471.98 3633525.90 1.24151

```
         503521.98    3633525.90        1.21300                      503621.98
3633525.90        1.30062
         503671.98    3633525.90        1.21384                      503721.98
3633525.90        1.20754
         503771.98    3633525.90        1.08771                      503821.98
3633525.90        0.98315
         503871.98    3633525.90        1.02068                      503921.98
3633525.90        1.10007
         503971.98    3633525.90        1.06600                      504021.98
3633525.90        1.00350
         504071.98    3633525.90        1.02265                      504121.98
3633525.90        1.07575
         504171.98    3633525.90        1.07891                      504221.98
3633525.90        1.09202
         504271.98    3633525.90        1.06361                      504321.98
3633525.90        0.93101
         504371.98    3633525.90        0.88511                      504421.98
3633525.90        0.85112
         504471.98    3633525.90        0.83568                      504521.98
3633525.90        0.85347
         504571.98    3633525.90        0.88569                      504621.98
3633525.90        0.91027
         504671.98    3633525.90        0.91154                      504721.98
3633525.90        0.90406
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 357
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
```

Y-COORD (M) CONC

- - - -

3633625.90   1.54181
         503121.98   3633625.90   1.61885   503171.98
3633625.90   1.69900
         503221.98   3633625.90   1.78099   503271.98
3633625.90   1.86313
         503321.98   3633625.90   1.94383   503371.98
3633625.90   1.94856
         503421.98   3633625.90   1.80056   503471.98
3633625.90   1.77651
         503521.98   3633625.90   1.81490   503621.98
3633625.90   1.66864
         503671.98   3633625.90   1.59344   503721.98
3633625.90   1.66580
         503771.98   3633625.90   1.50099   503821.98
3633625.90   1.48454
         503871.98   3633625.90   1.53431   503921.98
3633625.90   1.50238
         503971.98   3633625.90   1.49216   504021.98
3633625.90   1.43570
         504071.98   3633625.90   1.39545   504121.98
3633625.90   1.46436
         504171.98   3633625.90   1.48302   504221.98
3633625.90   1.45282
         504271.98   3633625.90   1.30291   504321.98
3633625.90   1.17721
         504371.98   3633625.90   1.07941   504421.98
3633625.90   1.03597
         504471.98   3633625.90   1.03468   504521.98
3633625.90   1.10700
         504571.98   3633625.90   1.11974   504621.98
3633625.90   1.09830
         504671.98   3633625.90   1.10187   504721.98
3633625.90   1.06766

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                L0000959   , L0000960   , L0000961   , L0000962   , L0000963

, L0000964   , L0000965   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633675.90	1.13465	502771.98	3633675.90	1.19323
502821.98	3633675.90	1.25564	502871.98	3633675.90	1.32237
502921.98	3633675.90	1.39417	502971.98	3633675.90	1.46991
503021.98	3633675.90	1.55001	503071.98	3633675.90	1.63376
503121.98	3633675.90	1.72195	503171.98	3633675.90	1.81401
503221.98	3633675.90	1.90928	503271.98	3633675.90	2.00625
503321.98	3633675.90	2.10288	503371.98	3633675.90	2.19975
503421.98	3633675.90	2.29347	503471.98	3633675.90	2.27330
503521.98	3633675.90	2.22088	503571.98	3633675.90	1.85218
503671.98	3633675.90	1.80290	503721.98	3633675.90	1.84693
503771.98	3633675.90	1.83371	503821.98	3633675.90	1.78190
503871.98	3633675.90	1.74257	503921.98	3633675.90	1.74225
503971.98	3633675.90	1.70409	504021.98	3633675.90	1.65614
504071.98	3633675.90	1.65537	504121.98	3633675.90	1.69665
504171.98	3633675.90	1.72237	504221.98	3633675.90	1.69731
504271.98	3633675.90	1.55324	504321.98	3633675.90	1.36365
504371.98	3633675.90	1.23202	504421.98	3633675.90	1.18873
504471.98	3633675.90	1.22660	504521.98	3633675.90	1.26405
504571.98	3633675.90	1.24145	504621.98	3633675.90	1.22315

```
         504671.98    3633675.90        1.20104                        504721.98
3633675.90        1.17889
         502721.98    3633725.90        1.17819                        502771.98
3633725.90        1.24217
         502821.98    3633725.90        1.31030                        502871.98
3633725.90        1.38406
         502921.98    3633725.90        1.46398                        502971.98
3633725.90        1.54806
         503021.98    3633725.90        1.63661                        503071.98
3633725.90        1.73240
         503121.98    3633725.90        1.83315                        503171.98
3633725.90        1.93917
         503221.98    3633725.90        2.05012                        503271.98
3633725.90        2.16432
         503321.98    3633725.90        2.28081                        503371.98
3633725.90        2.39768
         503421.98    3633725.90        2.51294                        503471.98
3633725.90        2.61515
         503521.98    3633725.90        2.66055                        503571.98
3633725.90        2.48356
         503721.98    3633725.90        2.22941                        503771.98
3633725.90        2.12072
         503821.98    3633725.90        2.10604                        503871.98
3633725.90        2.03551
         503921.98    3633725.90        2.01277                        503971.98
3633725.90        1.92906
         504021.98    3633725.90        1.89428                        504071.98
3633725.90        1.90450
         504121.98    3633725.90        1.99827                        504171.98
3633725.90        1.98448
         504221.98    3633725.90        1.92688                        504271.98
3633725.90        1.90492
         504321.98    3633725.90        1.62170                        504371.98
3633725.90        1.45689
         504421.98    3633725.90        1.41113                        504471.98
3633725.90        1.43449
         504521.98    3633725.90        1.42244                        504571.98
3633725.90        1.38409
         504621.98    3633725.90        1.40631                        504671.98
3633725.90        1.35967
         504721.98    3633725.90        1.29787                        502721.98
3633775.90        1.22224
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 359
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502771.98	3633775.90	1.29195	502821.98	3633775.90	1.36686
502871.98	3633775.90	1.44767	502921.98	3633775.90	1.53583
502971.98	3633775.90	1.63014	503021.98	3633775.90	1.73048
503071.98	3633775.90	1.83806	503121.98	3633775.90	1.95299
503171.98	3633775.90	2.07532	503221.98	3633775.90	2.20430
503271.98	3633775.90	2.33935	503321.98	3633775.90	2.47838
503371.98	3633775.90	2.61959	503421.98	3633775.90	2.76061
503471.98	3633775.90	2.89774	503771.98	3633775.90	2.47723
503821.98	3633775.90	2.44307	503871.98	3633775.90	2.41961
503921.98	3633775.90	2.29600	503971.98	3633775.90	2.20184
504021.98	3633775.90	2.18747	504071.98	3633775.90	2.39313
504121.98	3633775.90	2.37210	504171.98	3633775.90	2.35899
504221.98	3633775.90	2.27972	504271.98	3633775.90	2.16620
504321.98	3633775.90	1.91533	504371.98	3633775.90	1.77245
504421.98	3633775.90	1.71776	504471.98		

3633775.90 1.63103
504521.98 3633775.90 1.67814 504571.98
3633775.90 1.72875
504621.98 3633775.90 1.64881 504671.98
3633775.90 1.55029
504721.98 3633775.90 1.46265 502721.98
3633825.90 1.26703
502771.98 3633825.90 1.34258 502821.98
3633825.90 1.42466
502871.98 3633825.90 1.51348 502921.98
3633825.90 1.61108
502971.98 3633825.90 1.71573 503021.98
3633825.90 1.82851
503071.98 3633825.90 1.95053 503121.98
3633825.90 2.08209
503171.98 3633825.90 2.22364 503221.98
3633825.90 2.37453
503271.98 3633825.90 2.53411 503771.98
3633825.90 3.05299
503821.98 3633825.90 3.03921 503871.98
3633825.90 2.86505
503921.98 3633825.90 2.65078 503971.98
3633825.90 2.59165
504021.98 3633825.90 2.83470 504071.98
3633825.90 2.79377
504121.98 3633825.90 2.78894 504171.98
3633825.90 2.81195
504221.98 3633825.90 2.70661 504271.98
3633825.90 2.60883
504321.98 3633825.90 2.49041 504371.98
3633825.90 2.33023
504421.98 3633825.90 2.14727 504471.98
3633825.90 2.04695
504521.98 3633825.90 2.01517 504571.98
3633825.90 2.02043
504621.98 3633825.90 1.87290 504671.98
3633825.90 1.74001
504721.98 3633825.90 1.66488 502721.98
3633875.90 1.31155
502771.98 3633875.90 1.39359 502821.98
3633875.90 1.48290
502871.98 3633875.90 1.58016 502921.98
3633875.90 1.68845
502971.98 3633875.90 1.80460 503021.98
3633875.90 1.93143
503071.98 3633875.90 2.06998 503121.98
3633875.90 2.22015
503171.98 3633875.90 2.38369 503221.98
3633875.90 2.56035
503271.98 3633875.90 2.74966 503821.98

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***

INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
L0000951   , L0000952   , L0000953   , L0000954   , L0000955 , L0000956   , L0000957   , L0000958   ,
L0000959   , L0000960   , L0000961   , L0000962   , L0000963 , L0000964   , L0000965   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503871.98	3633875.90	3.32437	503921.98	3633875.90	3.21867
503971.98	3633875.90	3.47872	504021.98	3633875.90	3.42626
504071.98	3633875.90	3.28647	504121.98	3633875.90	3.34524
504171.98	3633875.90	3.24913	504221.98	3633875.90	3.15421
504271.98	3633875.90	3.03018	504321.98	3633875.90	2.83229
504371.98	3633875.90	2.68750	504421.98	3633875.90	2.50459
504471.98	3633875.90	2.41385	504521.98	3633875.90	2.41371
504571.98	3633875.90	2.31968	504621.98	3633875.90	2.15848
504671.98	3633875.90	1.87807	504721.98	3633875.90	1.80380
502721.98	3633925.90	1.35565	502771.98	3633925.90	1.44390

```
         502821.98    3633925.90        1.54099                    502871.98
3633925.90        1.64831
         502921.98    3633925.90        1.76679                    502971.98
3633925.90        1.89533
         503021.98    3633925.90        2.03765                    503071.98
3633925.90        2.19451
         503121.98    3633925.90        2.36664                    503171.98
3633925.90        2.55558
         503221.98    3633925.90        2.76213                    503271.98
3633925.90        2.98736
         503821.98    3633925.90        4.36799                    503871.98
3633925.90        4.18427
         503921.98    3633925.90        4.18328                    503971.98
3633925.90        4.38888
         504021.98    3633925.90        4.14370                    504071.98
3633925.90        4.07698
         504121.98    3633925.90        3.93759                    504171.98
3633925.90        3.87030
         504221.98    3633925.90        3.76831                    504271.98
3633925.90        3.59096
         504321.98    3633925.90        3.45111                    504371.98
3633925.90        3.21915
         504421.98    3633925.90        3.07975                    504471.98
3633925.90        2.90158
         504521.98    3633925.90        2.70504                    504571.98
3633925.90        2.42731
         504621.98    3633925.90        2.21083                    504671.98
3633925.90        2.04404
         504721.98    3633925.90        1.89191                    502721.98
3633975.90        1.39922
         502771.98    3633975.90        1.49367                    502821.98
3633975.90        1.59800
         502871.98    3633975.90        1.71579                    502921.98
3633975.90        1.84549
         502971.98    3633975.90        1.98760                    503021.98
3633975.90        2.14666
         503071.98    3633975.90        2.32343                    503121.98
3633975.90        2.52007
         503171.98    3633975.90        2.73851                    503221.98
3633975.90        2.98097
         503271.98    3633975.90        3.24914                    503821.98
3633975.90        5.40032
         503871.98    3633975.90        5.30846                    503921.98
3633975.90        5.84589
         503971.98    3633975.90        5.38863                    504021.98
3633975.90        5.11367
         504071.98    3633975.90        4.89635                    504121.98
3633975.90        4.79117
         504171.98    3633975.90        4.62352                    504221.98
3633975.90        4.36845
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3634025.90	1.44309	502771.98	3634025.90	1.54499
502821.98	3634025.90	1.65693	502871.98	3634025.90	1.78240
502921.98	3634025.90	1.92237	502971.98	3634025.90	2.07997
503021.98	3634025.90	2.25772	503071.98	3634025.90	2.45541
503121.98	3634025.90	2.67900	503171.98	3634025.90	2.93114
503221.98	3634025.90	3.21499	503271.98		

3634025.90 3.53418
503871.98 3634025.90 7.20376 503921.98
3634025.90 7.14819
503971.98 3634025.90 6.54442 504021.98
3634025.90 6.28844
504071.98 3634025.90 5.99166 504121.98
3634025.90 5.74205
504171.98 3634025.90 5.38980 504221.98
3634025.90 5.11894
504271.98 3634025.90 4.80705 504321.98
3634025.90 4.52938
504371.98 3634025.90 4.12844 504421.98
3634025.90 3.52439
504471.98 3634025.90 3.11829 504521.98
3634025.90 2.83077
504571.98 3634025.90 2.54013 504621.98
3634025.90 2.22267
504671.98 3634025.90 1.99229 504721.98
3634025.90 1.80041
502721.98 3634075.90 1.48435 502771.98
3634075.90 1.59061
502821.98 3634075.90 1.71098 502871.98
3634075.90 1.84732
502921.98 3634075.90 1.99951 502971.98
3634075.90 2.17112
503021.98 3634075.90 2.36741 503071.98
3634075.90 2.58912
503121.98 3634075.90 2.84171 503171.98
3634075.90 3.13091
503221.98 3634075.90 3.46160 503271.98
3634075.90 3.84106
503871.98 3634075.90 9.08169 503921.98
3634075.90 8.77885
503971.98 3634075.90 8.35753 504021.98
3634075.90 7.70083
504071.98 3634075.90 7.26160 504121.98
3634075.90 6.85147
504171.98 3634075.90 6.41911 504221.98
3634075.90 6.01189
504271.98 3634075.90 5.60995 504321.98
3634075.90 5.06868
504371.98 3634075.90 4.33080 504421.98
3634075.90 3.76498
504471.98 3634075.90 3.25464 504521.98
3634075.90 2.79334
504571.98 3634075.90 2.42755 504621.98
3634075.90 2.09661
504671.98 3634075.90 1.91274 504721.98
3634075.90 1.77406
502721.98 3634125.90 1.52307 502771.98

```
3634125.90        1.63477
         502821.98    3634125.90        1.76314                      502871.98
3634125.90        1.90947
         502921.98    3634125.90        2.07282                      502971.98
3634125.90        2.25946
         503021.98    3634125.90        2.47473                      503071.98
3634125.90        2.72034
         503121.98    3634125.90        3.00444                      503171.98
3634125.90        3.33437
         503221.98    3634125.90        3.71516                      503271.98
3634125.90        4.16529
         503921.98    3634125.90       11.07757                      503971.98
3634125.90       10.41155
         504021.98    3634125.90        9.65239                      504071.98
3634125.90        8.93666
         504121.98    3634125.90        8.26636                      504171.98
3634125.90        7.64020
         504221.98    3634125.90        7.04086                      504271.98
3634125.90        6.39752
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 362
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         504321.98    3634125.90        5.64361                      504371.98
3634125.90        4.83128
```

504421.98 3634125.90 4.00614 504471.98
3634125.90 3.17116
504521.98 3634125.90 2.73880 504571.98
3634125.90 2.35106
504621.98 3634125.90 2.06142 504671.98
3634125.90 1.89347
504721.98 3634125.90 1.72016 502721.98
3634175.90 1.55570
502771.98 3634175.90 1.67571 502821.98
3634175.90 1.81233
502871.98 3634175.90 1.96762 502921.98
3634175.90 2.14222
502971.98 3634175.90 2.34335 503021.98
3634175.90 2.57763
503071.98 3634175.90 2.84677 503121.98
3634175.90 3.16190
503171.98 3634175.90 3.53141 503221.98
3634175.90 3.96569
503271.98 3634175.90 4.49049 503971.98
3634175.90 13.31791
504021.98 3634175.90 12.06981 504071.98
3634175.90 10.79803
504121.98 3634175.90 9.70068 504171.98
3634175.90 8.62248
504221.98 3634175.90 8.04171 504271.98
3634175.90 7.22235
504321.98 3634175.90 6.38443 504371.98
3634175.90 4.74225
504421.98 3634175.90 3.46198 504471.98
3634175.90 3.03612
504521.98 3634175.90 2.65662 504571.98
3634175.90 2.22741
504621.98 3634175.90 1.94487 504671.98
3634175.90 1.75348
504721.98 3634175.90 1.56614 502721.98
3634225.90 1.58704
502771.98 3634225.90 1.71418 502821.98
3634225.90 1.85834
502871.98 3634225.90 2.02156 502921.98
3634225.90 2.20631
502971.98 3634225.90 2.42103 503021.98
3634225.90 2.67297
503071.98 3634225.90 2.96560 503121.98
3634225.90 3.31135
503171.98 3634225.90 3.72207 503221.98
3634225.90 4.21718
503271.98 3634225.90 4.82392 504071.98
3634225.90 13.17276
504121.98 3634225.90 11.35568 504171.98
3634225.90 9.89656

```
         504221.98    3634225.90        8.60384                        504271.98
3634225.90        7.86955
         504321.98    3634225.90        6.81143                        504371.98
3634225.90        4.65475
         504421.98    3634225.90        3.38280                        504471.98
3634225.90        2.96355
         504521.98    3634225.90        2.57790                        504571.98
3634225.90        2.18552
         504621.98    3634225.90        1.88817                        504671.98
3634225.90        1.66405
         504721.98    3634225.90        1.48405                        502721.98
3634275.90        1.61571
         502771.98    3634275.90        1.74646                        502821.98
3634275.90        1.89705
         502871.98    3634275.90        2.07102                        502921.98
3634275.90        2.26446
         502971.98    3634275.90        2.48976                        503021.98
3634275.90        2.75922
         503071.98    3634275.90        3.07344                        503121.98
3634275.90        3.44787
         503171.98    3634275.90        3.90095                        503221.98
3634275.90        4.45409
         503271.98    3634275.90        5.14650                        504121.98
3634275.90       13.16621
         504171.98    3634275.90       11.02620                        504221.98
3634275.90        9.71821
         504271.98    3634275.90        8.29217                        504321.98
3634275.90        6.89595
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 363
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504371.98	3634275.90	5.06008	504421.98	3634275.90	3.66313
504471.98	3634275.90	2.95885	504521.98	3634275.90	2.46951
504571.98	3634275.90	2.08789	504621.98	3634275.90	1.81466
504671.98	3634275.90	1.59156	504721.98	3634275.90	1.42498
502721.98	3634325.90	1.62998	502771.98	3634325.90	1.76636
502821.98	3634325.90	1.92017	502871.98	3634325.90	2.11238
502971.98	3634325.90	2.54956	503021.98	3634325.90	2.83207
503071.98	3634325.90	3.16691	503121.98	3634325.90	3.56735
503171.98	3634325.90	4.05701	503221.98	3634325.90	4.66403
503271.98	3634325.90	5.43401	504171.98	3634325.90	12.22103
504221.98	3634325.90	10.08776	504271.98	3634325.90	8.53537
504321.98	3634325.90	7.08508	504371.98	3634325.90	5.54160
504421.98	3634325.90	3.84739	504471.98	3634325.90	2.99569
504521.98	3634325.90	2.41058	504571.98	3634325.90	1.99912
504621.98	3634325.90	1.71086	504671.98	3634325.90	1.50270
504721.98	3634325.90	1.35542	502721.98	3634375.90	1.64352
502771.98	3634375.90	1.78395	502821.98	3634375.90	1.94047
503021.98	3634375.90	2.88336	503071.98	3634375.90	3.23906
503121.98	3634375.90	3.66075	503171.98	3634375.90	4.17709
503221.98	3634375.90	4.82854	503271.98	3634375.90	5.66241
504221.98	3634375.90	10.56326	504271.98	3634375.90	8.64911
504321.98	3634375.90	7.24047	504371.98		

3634375.90   5.30538
         504421.98   3634375.90   3.41448   504471.98
3634375.90   2.64580
         504521.98   3634375.90   2.19977   504571.98
3634375.90   1.88369
         504621.98   3634375.90   1.65081   504671.98
3634375.90   1.47096
         504721.98   3634375.90   1.33093   502721.98
3634425.90   1.66058
         502771.98   3634425.90   1.80003   502821.98
3634425.90   1.95922
         504271.98   3634425.90   8.48842   504321.98
3634425.90   7.13459
         504371.98   3634425.90   5.49381   504421.98
3634425.90   3.61637
         504471.98   3634425.90   2.67458   504521.98
3634425.90   2.20816
         504571.98   3634425.90   1.94685   504621.98
3634425.90   1.74309
         504671.98   3634425.90   1.54888   504721.98
3634425.90   1.37922
         502721.98   3634475.90   1.67646   502771.98
3634475.90   1.82116
         502821.98   3634475.90   1.98462   504321.98
3634475.90   6.86826
         504371.98   3634475.90   5.84440   504421.98
3634475.90   4.68708
         504471.98   3634475.90   3.31209   504521.98
3634475.90   2.63731
         504571.98   3634475.90   2.29083   504621.98
3634475.90   2.03367
         504671.98   3634475.90   1.71775   504721.98
3634475.90   1.47478
         502721.98   3634525.90   1.68147   502771.98
3634525.90   1.82293
         504371.98   3634525.90   5.64685   504421.98
3634525.90   4.87637

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                 L0000943   , L0000944   , L0000945   , L0000946   , L0000947

```
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         504471.98    3634525.90        4.25356                      504521.98
3634525.90        3.59847
         504571.98    3634525.90        3.06517                      504621.98
3634525.90        2.54989
         504671.98    3634525.90        1.99347                      504721.98
3634525.90        1.64812
         502721.98    3634575.90        1.67607                      502771.98
3634575.90        1.81705
         504421.98    3634575.90        4.73192                      504471.98
3634575.90        4.13736
         504521.98    3634575.90        3.67355                      504571.98
3634575.90        3.31326
         504621.98    3634575.90        2.87844                      504671.98
3634575.90        2.38123
         504721.98    3634575.90        1.96578                      502721.98
3634625.90        1.66411
         502771.98    3634625.90        1.80159                      502821.98
3634625.90        1.96007
         502871.98    3634625.90        2.13987                      502921.98
3634625.90        2.34700
         502971.98    3634625.90        2.58886                      503021.98
3634625.90        2.87318
         503071.98    3634625.90        3.21051                      503121.98
3634625.90        3.61448
         504471.98    3634625.90        4.00277                      504521.98
3634625.90        3.55151
         504571.98    3634625.90        3.18663                      504621.98
3634625.90        2.91571
         504671.98    3634625.90        2.65305                      504721.98
3634625.90        2.33969
         502721.98    3634675.90        1.64576                      502771.98
3634675.90        1.77966
         502821.98    3634675.90        1.93225                      502871.98
3634675.90        2.10552
```

```
         502921.98    3634675.90        2.30447                        502971.98
3634675.90        2.53541
         503021.98    3634675.90        2.80414                        503071.98
3634675.90        3.12064
         503121.98    3634675.90        3.49936                        503171.98
3634675.90        3.95079
         503221.98    3634675.90        4.50396                        503271.98
3634675.90        5.18490
         503321.98    3634675.90        6.04154                        503371.98
3634675.90        7.13593
         503421.98    3634675.90        8.55234                        503471.98
3634675.90       10.38506
         503521.98    3634675.90       12.83786                        504521.98
3634675.90        3.42847
         504571.98    3634675.90        3.07815                        504621.98
3634675.90        2.79335
         504671.98    3634675.90        2.55126                        504721.98
3634675.90        2.35457
         502721.98    3634725.90        1.62073                        502771.98
3634725.90        1.74933
         502821.98    3634725.90        1.89472                        502871.98
3634725.90        2.06004
         502921.98    3634725.90        2.24876                        502971.98
3634725.90        2.46590
         503021.98    3634725.90        2.71757                        503071.98
3634725.90        3.01111
         503121.98    3634725.90        3.35805                        503171.98
3634725.90        3.76855
         503221.98    3634725.90        4.26401                        503271.98
3634725.90        4.86204
         503321.98    3634725.90        5.59636                        503371.98
3634725.90        6.50143
         503421.98    3634725.90        7.62183                        503471.98
3634725.90        8.98710
         503521.98    3634725.90       10.69231                        503571.98
3634725.90       12.78782
         503621.98    3634725.90       15.03931                        504571.98
3634725.90        2.96549
         504621.98    3634725.90        2.69149                        504671.98
3634725.90        2.45779
         504721.98    3634725.90        2.26714                        502721.98
3634775.90        1.58965
         502771.98    3634775.90        1.71181                        502821.98
3634775.90        1.84990
         502871.98    3634775.90        2.00554                        502921.98
3634775.90        2.18249
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502971.98	3634775.90	2.38492	503021.98	3634775.90	2.61756
503071.98	3634775.90	2.88707	503121.98	3634775.90	3.20112
503171.98	3634775.90	3.56941	503221.98	3634775.90	4.00459
503271.98	3634775.90	4.52093	503321.98	3634775.90	5.13808
503371.98	3634775.90	5.87624	503421.98	3634775.90	6.75704
503471.98	3634775.90	7.77801	503521.98	3634775.90	8.97709
503571.98	3634775.90	10.31142	503621.98	3634775.90	11.69376
503671.98	3634775.90	12.97706	503721.98	3634775.90	14.03949
503771.98	3634775.90	14.72205	503821.98	3634775.90	14.83007
504621.98	3634775.90	2.58733	504671.98	3634775.90	2.37076
504721.98	3634775.90	2.18676	502721.98	3634825.90	1.55314
502771.98	3634825.90	1.66914	502821.98	3634825.90	1.79872
502871.98	3634825.90	1.94448	502921.98		

```
3634825.90        2.10874
         502971.98    3634825.90        2.29595                    503021.98
3634825.90        2.50917
         503071.98    3634825.90        2.75439                    503121.98
3634825.90        3.03650
         503171.98    3634825.90        3.36274                    503221.98
3634825.90        3.74174
         503271.98    3634825.90        4.18337                    503321.98
3634825.90        4.69858
         503371.98    3634825.90        5.29090                    503421.98
3634825.90        5.96805
         503471.98    3634825.90        6.73292                    503521.98
3634825.90        7.57995
         503571.98    3634825.90        8.48167                    503621.98
3634825.90        9.35636
         503671.98    3634825.90       10.14136                    503721.98
3634825.90       10.75964
         503771.98    3634825.90       11.14280                    503821.98
3634825.90       11.22132
         503871.98    3634825.90       10.98598                    503921.98
3634825.90       10.48381
         504671.98    3634825.90        2.27686                    504721.98
3634825.90        2.10316
         502721.98    3634875.90        1.51258                    502771.98
3634875.90        1.62170
         502821.98    3634875.90        1.74307                    502871.98
3634875.90        1.87869
         502921.98    3634875.90        2.03105                    502971.98
3634875.90        2.20287
         503021.98    3634875.90        2.39726                    503071.98
3634875.90        2.61848
         503121.98    3634875.90        2.87022                    503171.98
3634875.90        3.15694
         503221.98    3634875.90        3.48580                    503271.98
3634875.90        3.85950
         503321.98    3634875.90        4.28134                    503371.98
3634875.90        4.75935
         503421.98    3634875.90        5.28762                    503471.98
3634875.90        5.85682
         503521.98    3634875.90        6.46547                    503571.98
3634875.90        7.08052
         503621.98    3634875.90        7.66815                    503671.98
3634875.90        8.17352
         503721.98    3634875.90        8.54174                    503771.98
3634875.90        8.76213
         503821.98    3634875.90        8.83288                    503871.98
3634875.90        8.73002
         503921.98    3634875.90        8.63263                    504721.98
3634875.90        2.01978
         502721.98    3634925.90        1.46941                    502771.98
```

```
3634925.90        1.57143
         502821.98    3634925.90        1.68473                      502871.98
3634925.90        1.81044
         502921.98    3634925.90        1.95114                      502971.98
3634925.90        2.10839
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 366
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503021.98    3634925.90        2.28486                      503071.98
3634925.90        2.48339
         503121.98    3634925.90        2.70672                      503171.98
3634925.90        2.95824
         503221.98    3634925.90        3.24003                      503271.98
3634925.90        3.55456
         503321.98    3634925.90        3.90330                      503371.98
3634925.90        4.28522
         503421.98    3634925.90        4.69562                      503471.98
3634925.90        5.12836
         503521.98    3634925.90        5.57223                      503571.98
3634925.90        6.00928
         503621.98    3634925.90        6.41462                      503671.98
3634925.90        6.75414
         503721.98    3634925.90        6.94807                      503771.98
3634925.90        7.14990
```

503821.98 3634925.90 7.32874 503871.98 3634925.90 7.38977
502721.98 3634975.90 1.42460 502771.98 3634975.90 1.51970
502821.98 3634975.90 1.62505 502871.98 3634975.90 1.74160
502921.98 3634975.90 1.87039 502971.98 3634975.90 2.01391
503021.98 3634975.90 2.17359 503071.98 3634975.90 2.35111
503121.98 3634975.90 2.54820 503171.98 3634975.90 2.76661
503221.98 3634975.90 3.00827 503271.98 3634975.90 3.27451
503321.98 3634975.90 3.56240 503371.98 3634975.90 3.86958
503421.98 3634975.90 4.18665 503471.98 3634975.90 4.51920
503521.98 3634975.90 4.84721 503571.98 3634975.90 5.16532
503621.98 3634975.90 5.45459 503671.98 3634975.90 5.69302
503721.98 3634975.90 5.80278 503771.98 3634975.90 6.06868
503821.98 3634975.90 6.21122 503871.98 3634975.90 5.98292
502721.98 3635025.90 1.37900 502771.98 3635025.90 1.46789
502821.98 3635025.90 1.56544 502871.98 3635025.90 1.67272
502921.98 3635025.90 1.79103 502971.98 3635025.90 1.92135
503021.98 3635025.90 2.06491 503071.98 3635025.90 2.22260
503121.98 3635025.90 2.39601 503171.98 3635025.90 2.58653
503221.98 3635025.90 2.79271 503271.98 3635025.90 3.01445
503321.98 3635025.90 3.25018 503371.98 3635025.90 3.49654
503421.98 3635025.90 3.74800 503471.98 3635025.90 4.00443
503521.98 3635025.90 4.25436 503571.98 3635025.90 4.48891
503621.98 3635025.90 4.69680 503671.98 3635025.90 4.84393
503721.98 3635025.90 5.00840 503771.98 3635025.90 5.18892
503821.98 3635025.90 5.28230 504371.98 3635025.90 2.94727

```
         502721.98    3635075.90        1.33326                       502771.98
3635075.90        1.41572
         502821.98    3635075.90        1.50589                       502871.98
3635075.90        1.60492
         502921.98    3635075.90        1.71278                       502971.98
3635075.90        1.83059
         503021.98    3635075.90        1.95965                       503071.98
3635075.90        2.09958
         503121.98    3635075.90        2.25162                       503171.98
3635075.90        2.41603
         503221.98    3635075.90        2.59109                       503271.98
3635075.90        2.77647
         503321.98    3635075.90        2.96994                       503371.98
3635075.90        3.16925
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 367
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         503421.98    3635075.90        3.37119                       503471.98
3635075.90        3.57122
         503521.98    3635075.90        3.76332                       503571.98
3635075.90        3.94074
         503621.98    3635075.90        4.09582                       503671.98
3635075.90        4.18999
         503721.98    3635075.90        4.32344                       503771.98
```

3635075.90 4.49582
503821.98 3635075.90 4.47714 504371.98
3635075.90 2.72065
504421.98 3635075.90 2.54076 504471.98
3635075.90 2.37158
504521.98 3635075.90 2.21834 502721.98
3635125.90 1.28775
502771.98 3635125.90 1.36424 502821.98
3635125.90 1.44737
502871.98 3635125.90 1.53809 502921.98
3635125.90 1.63690
502971.98 3635125.90 1.74342 503021.98
3635125.90 1.85846
503071.98 3635125.90 1.98199 503121.98
3635125.90 2.11465
503171.98 3635125.90 2.25594 503221.98
3635125.90 2.40392
503271.98 3635125.90 2.55942 503321.98
3635125.90 2.71850
503371.98 3635125.90 2.88045 503421.98
3635125.90 3.04357
503471.98 3635125.90 3.20120 503521.98
3635125.90 3.35074
503571.98 3635125.90 3.46541 503621.98
3635125.90 3.58970
503671.98 3635125.90 3.65911 503721.98
3635125.90 3.83561
503771.98 3635125.90 3.94741 503821.98
3635125.90 3.92417
504371.98 3635125.90 2.51600 504421.98
3635125.90 2.36220
504471.98 3635125.90 2.21814 504521.98
3635125.90 2.08280
504571.98 3635125.90 1.95689 502721.98
3635175.90 1.24298
502771.98 3635175.90 1.31358 502821.98
3635175.90 1.39009
502871.98 3635175.90 1.47269 502921.98
3635175.90 1.56287
502971.98 3635175.90 1.65871 503021.98
3635175.90 1.76086
503071.98 3635175.90 1.86994 503121.98
3635175.90 1.98574
503171.98 3635175.90 2.10735 503221.98
3635175.90 2.23292
503271.98 3635175.90 2.36323 503321.98
3635175.90 2.49459
503371.98 3635175.90 2.62740 503421.98
3635175.90 2.76064
503471.98 3635175.90 2.88325 503521.98

3635175.90   3.00268
         503571.98   3635175.90   3.07898   503621.98
3635175.90   3.16905
         503671.98   3635175.90   3.26473   503721.98
3635175.90   3.41552
         503771.98   3635175.90   3.42680   503821.98
3635175.90   3.25345
         504371.98   3635175.90   2.32914   504421.98
3635175.90   2.19983
         504471.98   3635175.90   2.07573   504521.98
3635175.90   1.95764
         504571.98   3635175.90   1.84388   504621.98
3635175.90   1.74386
         502721.98   3635225.90   1.19907   502771.98
3635225.90   1.26474
         502821.98   3635225.90   1.33513   502871.98
3635225.90   1.41043
         502921.98   3635225.90   1.49098   502971.98
3635225.90   1.57700
         503021.98   3635225.90   1.66814   503071.98
3635225.90   1.76430
         503121.98   3635225.90   1.86514   503171.98
3635225.90   1.96981

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         503021.98    3635325.90        1.49242                        503071.98
3635325.90        1.56646
         503121.98    3635325.90        1.64243                        503171.98
3635325.90        1.72007
         503221.98    3635325.90        1.80284                        503271.98
3635325.90        1.88113
         503321.98    3635325.90        1.95885                        503371.98
3635325.90        2.03438
         503421.98    3635325.90        2.10767                        503471.98
3635325.90        2.17692
         503521.98    3635325.90        2.24168                        503571.98
3635325.90        2.29616
         503621.98    3635325.90        2.32288                        504371.98
3635325.90        1.88067
         504421.98    3635325.90        1.79535                        504471.98
3635325.90        1.71453
         504521.98    3635325.90        1.63295                        504571.98
3635325.90        1.55663
         504621.98    3635325.90        1.48587                        504671.98
3635325.90        1.41593
         504721.98    3635325.90        1.34767                        502721.98
3635375.90        1.07024
         502771.98    3635375.90        1.09764                        502821.98
3635375.90        1.14630
         502871.98    3635375.90        1.20042                        502921.98
3635375.90        1.26240
         502971.98    3635375.90        1.34923                        503021.98
3635375.90        1.39217
         503071.98    3635375.90        1.45016                        503121.98
3635375.90        1.54007
         503171.98    3635375.90        1.61133                        503221.98
3635375.90        1.68332
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 369
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503271.98	3635375.90	1.75007	503321.98	3635375.90	1.81567
503371.98	3635375.90	1.87948	503421.98	3635375.90	1.94102
503471.98	3635375.90	1.99899	503521.98	3635375.90	2.05229
503571.98	3635375.90	2.09765	503621.98	3635375.90	2.12802
503671.98	3635375.90	2.17764	503721.98	3635375.90	2.27759
504371.98	3635375.90	1.75114	504421.98	3635375.90	1.68011
504471.98	3635375.90	1.60833	504521.98	3635375.90	1.53959
504571.98	3635375.90	1.47163	504621.98	3635375.90	1.41146
504671.98	3635375.90	1.35109	504721.98	3635375.90	1.28772
502721.98	3635425.90	1.01602	502771.98	3635425.90	1.04914
502821.98	3635425.90	1.09427	502871.98	3635425.90	1.14365
502921.98	3635425.90	1.19692	502971.98	3635425.90	1.25398
503021.98	3635425.90	1.31080	503071.98	3635425.90	1.36919
503121.98	3635425.90	1.45201	503171.98	3635425.90	1.51184
503221.98	3635425.90	1.57101	503271.98	3635425.90	1.61895
503321.98	3635425.90	1.67770	503371.98	3635425.90	1.73494
503421.98	3635425.90	1.78790	503471.98	3635425.90	1.83516
503521.98	3635425.90	1.87574	503571.98	3635425.90	1.91232
503621.98	3635425.90	1.94559	503671.98	3635425.90	1.99355
503721.98	3635425.90	2.04590	503771.98		

3635425.90   2.09665
         503821.98   3635425.90   2.14662   504371.98
3635425.90   1.64648
         504421.98   3635425.90   1.58964   504471.98
3635425.90   1.52520
         504521.98   3635425.90   1.45534   504571.98
3635425.90   1.39626
         504621.98   3635425.90   1.34456   504671.98
3635425.90   1.28895
         504721.98   3635425.90   1.23328   502721.98
3635475.90   0.96882
         502771.98   3635475.90   1.00605   502821.98
3635475.90   1.04925
         502871.98   3635475.90   1.09490   502921.98
3635475.90   1.14526
         502971.98   3635475.90   1.19266   503021.98
3635475.90   1.24349
         503071.98   3635475.90   1.29939   503121.98
3635475.90   1.36928
         503171.98   3635475.90   1.42007   503221.98
3635475.90   1.46572
         503271.98   3635475.90   1.50913   503321.98
3635475.90   1.55675
         503371.98   3635475.90   1.60737   503421.98
3635475.90   1.65285
         503471.98   3635475.90   1.69310   503521.98
3635475.90   1.72932
         503571.98   3635475.90   1.76073   503621.98
3635475.90   1.78960
         503671.98   3635475.90   1.81768   503721.98
3635475.90   1.84595
         503771.98   3635475.90   1.90551   503821.98
3635475.90   1.92932
         503871.98   3635475.90   1.94142   503921.98
3635475.90   1.95861
         504371.98   3635475.90   1.51767   504421.98
3635475.90   1.47559
         504471.98   3635475.90   1.43121   504521.98
3635475.90   1.37298
         504571.98   3635475.90   1.32486   504621.98
3635475.90   1.27941

VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939
, L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947
, L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955
, L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963
, L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504671.98	3635475.90	1.23163	504721.98	3635475.90	1.20051
502221.98	3632975.90	0.50462	502271.98	3632975.90	0.51871
502321.98	3632975.90	0.53327	502371.98	3632975.90	0.54831
502421.98	3632975.90	0.56377	502471.98	3632975.90	0.57963
502521.98	3632975.90	0.59577	502571.98	3632975.90	0.61240
502621.98	3632975.90	0.62935	502671.98	3632975.90	0.64649
502721.98	3632975.90	0.66378	502771.98	3632975.90	0.67371
502821.98	3632975.90	0.59069	502871.98	3632975.90	0.51485
502921.98	3632975.90	0.52412	502971.98	3632975.90	0.37799
503021.98	3632975.90	0.38250	503071.98	3632975.90	0.44815
503121.98	3632975.90	0.52468	503171.98	3632975.90	0.59116
503221.98	3632975.90	0.62614	503271.98	3632975.90	0.63611
503321.98	3632975.90	0.63594	503371.98	3632975.90	0.64204
503421.98	3632975.90	0.61852	503471.98	3632975.90	0.61093
503621.98	3632975.90	0.56616	503671.98	3632975.90	0.54594

503721.98 3632975.90 0.52544 503771.98
3632975.90 0.49702
503821.98 3632975.90 0.43287 503871.98
3632975.90 0.38513
503921.98 3632975.90 0.37240 503971.98
3632975.90 0.37243
504021.98 3632975.90 0.36936 504071.98
3632975.90 0.37342
504121.98 3632975.90 0.36923 504171.98
3632975.90 0.37149
504221.98 3632975.90 0.37200 504271.98
3632975.90 0.37284
504321.98 3632975.90 0.37240 504371.98
3632975.90 0.36845
504421.98 3632975.90 0.36685 504471.98
3632975.90 0.36651
504521.98 3632975.90 0.36721 504571.98
3632975.90 0.36735
504621.98 3632975.90 0.36752 504671.98
3632975.90 0.36890
504721.98 3632975.90 0.37123 504771.98
3632975.90 0.37338
504821.98 3632975.90 0.37399 504871.98
3632975.90 0.37475
504921.98 3632975.90 0.37578 504971.98
3632975.90 0.37650
505021.98 3632975.90 0.37665 505071.98
3632975.90 0.37725
505121.98 3632975.90 0.37894 505171.98
3632975.90 0.38187
505221.98 3632975.90 0.38495 502221.98
3633025.90 0.51754
502271.98 3633025.90 0.53305 502321.98
3633025.90 0.54840
502371.98 3633025.90 0.56444 502421.98
3633025.90 0.58097
502471.98 3633025.90 0.59782 502521.98
3633025.90 0.61525
502571.98 3633025.90 0.63311 502621.98
3633025.90 0.65133
502671.98 3633025.90 0.66984 502721.98
3633025.90 0.68862
502771.98 3633025.90 0.70755 502821.98
3633025.90 0.60621
502871.98 3633025.90 0.57393 502921.98
3633025.90 0.54448
502971.98 3633025.90 0.39418 503021.98
3633025.90 0.42343
503071.98 3633025.90 0.51604 503121.98
3633025.90 0.60473

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503171.98	3633025.90	0.64223	503221.98	3633025.90	0.68336
503271.98	3633025.90	0.68427	503321.98	3633025.90	0.69222
503371.98	3633025.90	0.67974	503421.98	3633025.90	0.63185
503471.98	3633025.90	0.64247	503621.98	3633025.90	0.58563
503671.98	3633025.90	0.57270	503721.98	3633025.90	0.56241
503771.98	3633025.90	0.49251	503821.98	3633025.90	0.43003
503871.98	3633025.90	0.39478	503921.98	3633025.90	0.38579
503971.98	3633025.90	0.38555	504021.98	3633025.90	0.38627
504071.98	3633025.90	0.38691	504121.98	3633025.90	0.38812
504171.98	3633025.90	0.38996	504221.98	3633025.90	0.39196
504271.98	3633025.90	0.39234	504321.98		

3633025.90 0.39168
504371.98 3633025.90 0.38824 504421.98
3633025.90 0.38680
504471.98 3633025.90 0.38667 504521.98
3633025.90 0.38594
504571.98 3633025.90 0.38600 504621.98
3633025.90 0.38722
504671.98 3633025.90 0.38952 504721.98
3633025.90 0.39219
504771.98 3633025.90 0.39463 504821.98
3633025.90 0.39584
504871.98 3633025.90 0.39768 504921.98
3633025.90 0.39908
504971.98 3633025.90 0.39945 505021.98
3633025.90 0.39900
505071.98 3633025.90 0.39947 505121.98
3633025.90 0.40112
505171.98 3633025.90 0.40413 505221.98
3633025.90 0.40907
502221.98 3633075.90 0.53143 502271.98
3633075.90 0.54775
502321.98 3633075.90 0.56417 502371.98
3633075.90 0.58117
502421.98 3633075.90 0.59875 502471.98
3633075.90 0.61668
502521.98 3633075.90 0.63537 502571.98
3633075.90 0.65465
502621.98 3633075.90 0.67431 502671.98
3633075.90 0.69439
502721.98 3633075.90 0.71470 502771.98
3633075.90 0.73542
502821.98 3633075.90 0.66647 502871.98
3633075.90 0.63917
502921.98 3633075.90 0.61090 502971.98
3633075.90 0.54855
503021.98 3633075.90 0.58365 503071.98
3633075.90 0.60899
503121.98 3633075.90 0.66159 503171.98
3633075.90 0.69872
503221.98 3633075.90 0.75194 503271.98
3633075.90 0.73618
503321.98 3633075.90 0.72846 503371.98
3633075.90 0.71173
503421.98 3633075.90 0.66784 503471.98
3633075.90 0.67904
503621.98 3633075.90 0.60874 503671.98
3633075.90 0.58684
503721.98 3633075.90 0.57309 503771.98
3633075.90 0.50044
503821.98 3633075.90 0.43603 503871.98

3633075.90   0.40434
         503921.98   3633075.90   0.40402   503971.98
3633075.90   0.40900
         504021.98   3633075.90   0.40771   504071.98
3633075.90   0.40904
         504121.98   3633075.90   0.41080   504171.98
3633075.90   0.41266
         504221.98   3633075.90   0.41418   504271.98
3633075.90   0.41447

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         504321.98   3633075.90   0.41482   504371.98
3633075.90   0.41079
         504421.98   3633075.90   0.41022   504471.98
3633075.90   0.40865
         504521.98   3633075.90   0.40776   504571.98
3633075.90   0.40845
         504621.98   3633075.90   0.41034   504671.98
3633075.90   0.41315
         504721.98   3633075.90   0.41586   504771.98
3633075.90   0.41845
         504821.98   3633075.90   0.42038   504871.98
3633075.90   0.42295

504921.98 3633075.90 0.42619 504971.98 3633075.90 0.42531
505021.98 3633075.90 0.42415 505071.98 3633075.90 0.42384
505121.98 3633075.90 0.42471 505171.98 3633075.90 0.42769
505221.98 3633075.90 0.43222 502221.98 3633125.90 0.54589
502271.98 3633125.90 0.56283 502321.98 3633125.90 0.58028
502371.98 3633125.90 0.59834 502421.98 3633125.90 0.61711
502471.98 3633125.90 0.63637 502521.98 3633125.90 0.65637
502571.98 3633125.90 0.67700 502621.98 3633125.90 0.69823
502671.98 3633125.90 0.71996 502721.98 3633125.90 0.74213
502771.98 3633125.90 0.76450 502821.98 3633125.90 0.78375
502871.98 3633125.90 0.70373 502921.98 3633125.90 0.69583
502971.98 3633125.90 0.66082 503021.98 3633125.90 0.65164
503071.98 3633125.90 0.68766 503121.98 3633125.90 0.72494
503171.98 3633125.90 0.77059 503221.98 3633125.90 0.80300
503271.98 3633125.90 0.79845 503321.98 3633125.90 0.80276
503371.98 3633125.90 0.76107 503421.98 3633125.90 0.70484
503471.98 3633125.90 0.71702 503621.98 3633125.90 0.62950
503671.98 3633125.90 0.59528 503721.98 3633125.90 0.58074
503771.98 3633125.90 0.49429 503821.98 3633125.90 0.44519
503871.98 3633125.90 0.42476 503921.98 3633125.90 0.42751
503971.98 3633125.90 0.43337 504021.98 3633125.90 0.42964
504071.98 3633125.90 0.43386 504121.98 3633125.90 0.43769
504171.98 3633125.90 0.43977 504221.98 3633125.90 0.44062
504271.98 3633125.90 0.44115 504321.98 3633125.90 0.43995
504371.98 3633125.90 0.43808 504421.98 3633125.90 0.43721

```
         504471.98    3633125.90        0.43435                        504521.98
3633125.90        0.43331
         504571.98    3633125.90        0.43443                        504621.98
3633125.90        0.43716
         504671.98    3633125.90        0.44031                        504721.98
3633125.90        0.44280
         504771.98    3633125.90        0.44506                        504821.98
3633125.90        0.44729
         504871.98    3633125.90        0.45131                        504921.98
3633125.90        0.45832
         504971.98    3633125.90        0.45609                        505021.98
3633125.90        0.45208
         505071.98    3633125.90        0.44941                        505121.98
3633125.90        0.44977
         505171.98    3633125.90        0.45241                        505221.98
3633125.90        0.45794
         502221.98    3633175.90        0.56034                        502271.98
3633175.90        0.57812
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 373
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                 L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                 L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                 L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502321.98    3633175.90        0.59665                        502371.98
3633175.90        0.61620
         502421.98    3633175.90        0.63629                        502471.98
```

3633175.90 0.65686
502521.98 3633175.90 0.67829 502571.98
3633175.90 0.70045
502621.98 3633175.90 0.72325 502671.98
3633175.90 0.74658
502721.98 3633175.90 0.77024 502771.98
3633175.90 0.76987
502821.98 3633175.90 0.72105 502871.98
3633175.90 0.80463
502921.98 3633175.90 0.76153 502971.98
3633175.90 0.77647
503021.98 3633175.90 0.76803 503071.98
3633175.90 0.79766
503121.98 3633175.90 0.80297 503171.98
3633175.90 0.85208
503221.98 3633175.90 0.84126 503271.98
3633175.90 0.83440
503321.98 3633175.90 0.84469 503371.98
3633175.90 0.79828
503421.98 3633175.90 0.75449 503471.98
3633175.90 0.74999
503621.98 3633175.90 0.62651 503671.98
3633175.90 0.61924
503721.98 3633175.90 0.56890 503771.98
3633175.90 0.49347
503821.98 3633175.90 0.45746 503871.98
3633175.90 0.44652
503921.98 3633175.90 0.45473 503971.98
3633175.90 0.46089
504021.98 3633175.90 0.45726 504071.98
3633175.90 0.46270
504121.98 3633175.90 0.46851 504171.98
3633175.90 0.47381
504221.98 3633175.90 0.47291 504271.98
3633175.90 0.47155
504321.98 3633175.90 0.47004 504371.98
3633175.90 0.47290
504421.98 3633175.90 0.46790 504471.98
3633175.90 0.46337
504521.98 3633175.90 0.46231 504571.98
3633175.90 0.46409
504621.98 3633175.90 0.46768 504671.98
3633175.90 0.47136
504721.98 3633175.90 0.47370 504771.98
3633175.90 0.47578
504821.98 3633175.90 0.47802 504871.98
3633175.90 0.48346
504921.98 3633175.90 0.49387 504971.98
3633175.90 0.48695
505021.98 3633175.90 0.48028 505071.98

```
3633175.90        0.47742
         505121.98    3633175.90        0.47730                        505171.98
3633175.90        0.47906
         505221.98    3633175.90        0.48259                        502221.98
3633225.90        0.57519
         502271.98    3633225.90        0.59419                        502321.98
3633225.90        0.61380
         502371.98    3633225.90        0.63461                        502421.98
3633225.90        0.65594
         502471.98    3633225.90        0.67783                        502521.98
3633225.90        0.70088
         502571.98    3633225.90        0.72468                        502621.98
3633225.90        0.74928
         502671.98    3633225.90        0.77454                        502721.98
3633225.90        0.79894
         502771.98    3633225.90        0.81928                        502821.98
3633225.90        0.80888
         502871.98    3633225.90        0.80528                        502921.98
3633225.90        0.84351
         502971.98    3633225.90        0.87516                        503021.98
3633225.90        0.85395
         503071.98    3633225.90        0.88036                        503121.98
3633225.90        0.91435
         503171.98    3633225.90        0.91639                        503221.98
3633225.90        0.90403
         503271.98    3633225.90        0.89628                        503321.98
3633225.90        0.87626
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955 , L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963 , L0000964   , L0000965   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
```
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503371.98	3633225.90	0.82008	503421.98	3633225.90	0.80160
503471.98	3633225.90	0.77497	503621.98	3633225.90	0.66386
503671.98	3633225.90	0.63583	503721.98	3633225.90	0.57233
503771.98	3633225.90	0.51669	503821.98	3633225.90	0.47773
503871.98	3633225.90	0.47694	503921.98	3633225.90	0.48344
503971.98	3633225.90	0.49184	504021.98	3633225.90	0.49511
504071.98	3633225.90	0.50156	504121.98	3633225.90	0.50908
504171.98	3633225.90	0.51291	504221.98	3633225.90	0.50408
504271.98	3633225.90	0.50304	504321.98	3633225.90	0.50825
504371.98	3633225.90	0.51181	504421.98	3633225.90	0.50274
504471.98	3633225.90	0.49748	504521.98	3633225.90	0.49627
504571.98	3633225.90	0.49852	504621.98	3633225.90	0.50256
504671.98	3633225.90	0.50772	504721.98	3633225.90	0.51078
504771.98	3633225.90	0.51184	504821.98	3633225.90	0.51727
504871.98	3633225.90	0.52178	504921.98	3633225.90	0.53104
504971.98	3633225.90	0.52231	505021.98	3633225.90	0.51379
505071.98	3633225.90	0.51076	505121.98	3633225.90	0.50854
505171.98	3633225.90	0.50544	505221.98	3633225.90	0.50624
502221.98	3633275.90	0.59020	502271.98	3633275.90	0.61030
502321.98	3633275.90	0.63145	502371.98	3633275.90	0.65339
502421.98	3633275.90	0.67606	502471.98	3633275.90	0.69970
502521.98	3633275.90	0.72432	502571.98	3633275.90	0.74988

```
         502621.98    3633275.90        0.77636                       502671.98
3633275.90        0.80371
         502721.98    3633275.90        0.83195                       502771.98
3633275.90        0.85272
         502821.98    3633275.90        0.74118                       502871.98
3633275.90        0.83729
         502921.98    3633275.90        0.92355                       502971.98
3633275.90        0.95480
         503021.98    3633275.90        0.92403                       503071.98
3633275.90        0.99118
         503121.98    3633275.90        1.05235                       503171.98
3633275.90        1.04424
         503221.98    3633275.90        0.99062                       503271.98
3633275.90        0.92617
         503321.98    3633275.90        0.92637                       503371.98
3633275.90        0.87660
         503421.98    3633275.90        0.84187                       503471.98
3633275.90        0.64690
         503621.98    3633275.90        0.66590                       503671.98
3633275.90        0.64240
         503721.98    3633275.90        0.57618                       503771.98
3633275.90        0.52942
         503821.98    3633275.90        0.50184                       503871.98
3633275.90        0.50848
         503921.98    3633275.90        0.52231                       503971.98
3633275.90        0.54520
         504021.98    3633275.90        0.54890                       504071.98
3633275.90        0.54882
         504121.98    3633275.90        0.55994                       504171.98
3633275.90        0.55269
         504221.98    3633275.90        0.54284                       504271.98
3633275.90        0.54249
         504321.98    3633275.90        0.55343                       504371.98
3633275.90        0.56299
         504421.98    3633275.90        0.54869                       504471.98
3633275.90        0.53905
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 375
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                 L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
```

```
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         504521.98    3633275.90        0.53625                       504571.98
3633275.90        0.53856
         504621.98    3633275.90        0.54388                       504671.98
3633275.90        0.55121
         504721.98    3633275.90        0.55277                       504771.98
3633275.90        0.54886
         504821.98    3633275.90        0.55577                       504871.98
3633275.90        0.56503
         504921.98    3633275.90        0.57396                       504971.98
3633275.90        0.56435
         505021.98    3633275.90        0.55477                       505071.98
3633275.90        0.55144
         505121.98    3633275.90        0.54526                       505171.98
3633275.90        0.53505
         505221.98    3633275.90        0.53269                       502221.98
3633325.90        0.60555
         502271.98    3633325.90        0.62693                       502321.98
3633325.90        0.64928
         502371.98    3633325.90        0.67253                       502421.98
3633325.90        0.69678
         502471.98    3633325.90        0.72194                       502521.98
3633325.90        0.74844
         502571.98    3633325.90        0.77597                       502621.98
3633325.90        0.80456
         502671.98    3633325.90        0.83417                       502721.98
3633325.90        0.86485
         502771.98    3633325.90        0.88212                       502821.98
3633325.90        0.87977
         502871.98    3633325.90        0.96175                       502921.98
3633325.90        0.98871
         502971.98    3633325.90        1.01796                       503021.98
3633325.90        1.04078
         503071.98    3633325.90        1.08962                       503121.98
3633325.90        1.13034
         503171.98    3633325.90        1.16375                       503221.98
```

```
3633325.90        1.17557
         503271.98    3633325.90        0.97329                        503321.98
3633325.90        0.96998
         503371.98    3633325.90        0.91583                        503421.98
3633325.90        0.76958
         503471.98    3633325.90        0.61390                        503621.98
3633325.90        0.66839
         503671.98    3633325.90        0.64449                        503721.98
3633325.90        0.57544
         503771.98    3633325.90        0.55623                        503821.98
3633325.90        0.54139
         503871.98    3633325.90        0.54712                        503921.98
3633325.90        0.57928
         503971.98    3633325.90        0.61896                        504021.98
3633325.90        0.61574
         504071.98    3633325.90        0.60683                        504121.98
3633325.90        0.62464
         504171.98    3633325.90        0.60008                        504221.98
3633325.90        0.58614
         504271.98    3633325.90        0.59263                        504321.98
3633325.90        0.61584
         504371.98    3633325.90        0.62593                        504421.98
3633325.90        0.60367
         504471.98    3633325.90        0.58859                        504521.98
3633325.90        0.58282
         504571.98    3633325.90        0.58593                        504621.98
3633325.90        0.59299
         504671.98    3633325.90        0.60331                        504721.98
3633325.90        0.60167
         504771.98    3633325.90        0.59437                        504821.98
3633325.90        0.59765
         504871.98    3633325.90        0.61455                        504921.98
3633325.90        0.62379
         504971.98    3633325.90        0.61330                        505021.98
3633325.90        0.60457
         505071.98    3633325.90        0.59989                        505121.98
3633325.90        0.58106
         505171.98    3633325.90        0.56700                        505221.98
3633325.90        0.56427
         502221.98    3633375.90        0.62128                        502271.98
3633375.90        0.64379
         502321.98    3633375.90        0.66735                        502371.98
3633375.90        0.69202
         502421.98    3633375.90        0.71790                        502471.98
3633375.90        0.74495
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3633375.90	0.77333	502571.98	3633375.90	0.80296
502621.98	3633375.90	0.83384	502671.98	3633375.90	0.86593
502721.98	3633375.90	0.89927	502771.98	3633375.90	0.93392
502821.98	3633375.90	0.96988	502871.98	3633375.90	1.00723
502921.98	3633375.90	1.04555	502971.98	3633375.90	1.08488
503021.98	3633375.90	1.11465	503071.98	3633375.90	1.16595
503121.98	3633375.90	1.20717	503171.98	3633375.90	1.24822
503221.98	3633375.90	1.27007	503271.98	3633375.90	1.28879
503321.98	3633375.90	1.14941	503371.98	3633375.90	0.98213
503421.98	3633375.90	0.73773	503471.98	3633375.90	0.72852
503621.98	3633375.90	0.73459	503671.98	3633375.90	0.69038
503721.98	3633375.90	0.62933	503771.98	3633375.90	0.61594
503821.98	3633375.90	0.62472	503871.98	3633375.90	0.61619

503921.98 3633375.90 0.65701 503971.98
3633375.90 0.70858
504021.98 3633375.90 0.69161 504071.98
3633375.90 0.67566
504121.98 3633375.90 0.69896 504171.98
3633375.90 0.65283
504221.98 3633375.90 0.64672 504271.98
3633375.90 0.66712
504321.98 3633375.90 0.69738 504371.98
3633375.90 0.70495
504421.98 3633375.90 0.66762 504471.98
3633375.90 0.64389
504521.98 3633375.90 0.63511 504571.98
3633375.90 0.64169
504621.98 3633375.90 0.65188 504671.98
3633375.90 0.66744
504721.98 3633375.90 0.65779 504771.98
3633375.90 0.64628
504821.98 3633375.90 0.65134 504871.98
3633375.90 0.67787
504921.98 3633375.90 0.67970 504971.98
3633375.90 0.67112
505021.98 3633375.90 0.65978 505071.98
3633375.90 0.63828
505121.98 3633375.90 0.61506 505171.98
3633375.90 0.60066
505221.98 3633375.90 0.59963 502221.98
3633425.90 0.63674
502271.98 3633425.90 0.66041 502321.98
3633425.90 0.68523
502371.98 3633425.90 0.71147 502421.98
3633425.90 0.73921
502471.98 3633425.90 0.76875 502521.98
3633425.90 0.79906
502571.98 3633425.90 0.83084 502621.98
3633425.90 0.86416
502671.98 3633425.90 0.89899 502721.98
3633425.90 0.93539
502771.98 3633425.90 0.97330 502821.98
3633425.90 1.01281
502871.98 3633425.90 1.05382 502921.98
3633425.90 1.09608
502971.98 3633425.90 1.13982 503021.98
3633425.90 1.18486
503071.98 3633425.90 1.23060 503121.98
3633425.90 1.27740
503171.98 3633425.90 1.32379 503221.98
3633425.90 1.36787
503271.98 3633425.90 1.39480 503321.98
3633425.90 1.22798

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         503671.98   3633425.90   0.79662   503721.98
3633425.90   0.71186
         503771.98   3633425.90   0.68996   503821.98
3633425.90   0.70184
         503871.98   3633425.90   0.71391   503921.98
3633425.90   0.77500
         503971.98   3633425.90   0.79956   504021.98
3633425.90   0.77539
         504071.98   3633425.90   0.76105   504121.98
3633425.90   0.78773
         504171.98   3633425.90   0.73993   504221.98
3633425.90   0.74825
         504271.98   3633425.90   0.78321   504321.98
3633425.90   0.82083
         504371.98   3633425.90   0.78257   504421.98
3633425.90   0.73849
         504471.98   3633425.90   0.71047   504521.98

3633425.90 0.69692
504571.98 3633425.90 0.70743 504621.98
3633425.90 0.72681
504671.98 3633425.90 0.73778 504721.98
3633425.90 0.73450
504771.98 3633425.90 0.71929 504821.98
3633425.90 0.71280
504871.98 3633425.90 0.74410 504921.98
3633425.90 0.73645
504971.98 3633425.90 0.72100 505021.98
3633425.90 0.68853
505071.98 3633425.90 0.66528 505121.98
3633425.90 0.64791
505171.98 3633425.90 0.63641 505221.98
3633425.90 0.63775
502221.98 3633475.90 0.65240 502271.98
3633475.90 0.67736
502321.98 3633475.90 0.70374 502371.98
3633475.90 0.73167
502421.98 3633475.90 0.76125 502471.98
3633475.90 0.79294
502521.98 3633475.90 0.82518 502571.98
3633475.90 0.85935
502621.98 3633475.90 0.89542 502671.98
3633475.90 0.93313
504771.98 3633475.90 0.82397 504821.98
3633475.90 0.82152
504871.98 3633475.90 0.81379 504921.98
3633475.90 0.80508
504971.98 3633475.90 0.77214 505021.98
3633475.90 0.72868
505071.98 3633475.90 0.70375 505121.98
3633475.90 0.68589
505171.98 3633475.90 0.67174 505221.98
3633475.90 0.66974
502221.98 3633525.90 0.66844 502271.98
3633525.90 0.69478
502321.98 3633525.90 0.72260 502371.98
3633525.90 0.75256
502421.98 3633525.90 0.78420 502471.98
3633525.90 0.81756
502521.98 3633525.90 0.85191 502571.98
3633525.90 0.88794
502621.98 3633525.90 0.92699 502671.98
3633525.90 0.96795
504771.98 3633525.90 0.89194 504821.98
3633525.90 0.87891
504871.98 3633525.90 0.86875 504921.98
3633525.90 0.85818
504971.98 3633525.90 0.84328 505021.98

```
3633525.90        0.79911
         505071.98    3633525.90        0.75516                       505121.98
3633525.90        0.72441
         505171.98    3633525.90        0.70789                       505221.98
3633525.90        0.70009
         502221.98    3633575.90        0.68501                       502271.98
3633575.90        0.71203
         502321.98    3633575.90        0.74142                       502371.98
3633575.90        0.77329
         502421.98    3633575.90        0.80671                       502471.98
3633575.90        0.84173
         502521.98    3633575.90        0.87867                       502571.98
3633575.90        0.91790
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 378
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3633575.90        0.95971                       502671.98
3633575.90        1.00396
         504771.98    3633575.90        0.95728                       504821.98
3633575.90        0.94556
         504871.98    3633575.90        0.93329                       504921.98
3633575.90        0.90951
         504971.98    3633575.90        0.89889                       505021.98
3633575.90        0.86902
```

505071.98 3633575.90 0.81583 505121.98 3633575.90 0.77018
505171.98 3633575.90 0.74686 505221.98 3633575.90 0.73878
502221.98 3633625.90 0.70090 502271.98 3633625.90 0.72903
502321.98 3633625.90 0.76056 502371.98 3633625.90 0.79398
502421.98 3633625.90 0.82967 502471.98 3633625.90 0.86657
502521.98 3633625.90 0.90690 502571.98 3633625.90 0.94918
502621.98 3633625.90 0.99418 502671.98 3633625.90 1.04172
504771.98 3633625.90 1.02787 504821.98 3633625.90 1.03580
504871.98 3633625.90 1.00118 504921.98 3633625.90 0.97456
504971.98 3633625.90 0.96003 505021.98 3633625.90 0.93008
505071.98 3633625.90 0.86770 505121.98 3633625.90 0.81745
505171.98 3633625.90 0.78350 505221.98 3633625.90 0.77175
502221.98 3633675.90 0.71629 502271.98 3633675.90 0.74586
502321.98 3633675.90 0.77909 502371.98 3633675.90 0.81406
502421.98 3633675.90 0.85224 502471.98 3633675.90 0.89212
502521.98 3633675.90 0.93493 502571.98 3633675.90 0.98025
502621.98 3633675.90 1.02852 502671.98 3633675.90 1.07988
504771.98 3633675.90 1.12990 504821.98 3633675.90 1.11409
504871.98 3633675.90 1.09009 504921.98 3633675.90 1.06230
504971.98 3633675.90 1.02949 505021.98 3633675.90 0.98609
505071.98 3633675.90 0.91164 505121.98 3633675.90 0.84635
505171.98 3633675.90 0.80910 505221.98 3633675.90 0.79272
502221.98 3633725.90 0.73124 502271.98 3633725.90 0.76246
502321.98 3633725.90 0.79775 502371.98 3633725.90 0.83497
502421.98 3633725.90 0.87483 502471.98 3633725.90 0.91738

```
         502521.98    3633725.90        0.96290                      502571.98
3633725.90        1.01151
         502621.98    3633725.90        1.06347                      502671.98
3633725.90        1.11883
         504771.98    3633725.90        1.27634                      504821.98
3633725.90        1.21356
         504871.98    3633725.90        1.18328                      504921.98
3633725.90        1.13570
         504971.98    3633725.90        1.08284                      505021.98
3633725.90        1.01698
         505071.98    3633725.90        0.92974                      505121.98
3633725.90        0.86338
         505171.98    3633725.90        0.83300                      505221.98
3633725.90        0.81026
         502221.98    3633775.90        0.74616                      502271.98
3633775.90        0.77893
         502321.98    3633775.90        0.81678                      502371.98
3633775.90        0.85571
         502421.98    3633775.90        0.89794                      502471.98
3633775.90        0.94234
         502521.98    3633775.90        0.99084                      502571.98
3633775.90        1.04284
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 379
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- -
502621.98 3633775.90 1.09833 502671.98
3633775.90 1.15802
504771.98 3633775.90 1.43074 504821.98
3633775.90 1.35955
504871.98 3633775.90 1.27119 504921.98
3633775.90 1.17571
504971.98 3633775.90 1.11230 505021.98
3633775.90 1.03158
505071.98 3633775.90 0.95394 505121.98
3633775.90 0.88827
505171.98 3633775.90 0.85189 505221.98
3633775.90 0.82806
502221.98 3633825.90 0.76155 502271.98
3633825.90 0.79568
502321.98 3633825.90 0.83460 502371.98
3633825.90 0.87590
502421.98 3633825.90 0.91997 502471.98
3633825.90 0.96718
502521.98 3633825.90 1.01847 502571.98
3633825.90 1.07394
502621.98 3633825.90 1.13373 502671.98
3633825.90 1.19780
504771.98 3633825.90 1.56164 504821.98
3633825.90 1.44728
504871.98 3633825.90 1.27586 504921.98
3633825.90 1.17258
504971.98 3633825.90 1.10453 505021.98
3633825.90 1.04583
505071.98 3633825.90 0.97450 505121.98
3633825.90 0.90552
505171.98 3633825.90 0.86973 505221.98
3633825.90 0.84405
502221.98 3633875.90 0.77549 502271.98
3633875.90 0.81158
502321.98 3633875.90 0.85262 502371.98
3633875.90 0.89503
502421.98 3633875.90 0.94163 502471.98
3633875.90 0.99102
502521.98 3633875.90 1.04569 502571.98
3633875.90 1.10486
502621.98 3633875.90 1.16861 502671.98
3633875.90 1.23724
504771.98 3633875.90 1.64526 504821.98
3633875.90 1.45762
504871.98 3633875.90 1.28843 504921.98
3633875.90 1.19087
504971.98 3633875.90 1.11208 505021.98
3633875.90 1.04208
505071.98 3633875.90 0.98977 505121.98

```
3633875.90        0.92674
         505171.98    3633875.90        0.88777                          505221.98
3633875.90        0.85484
         502221.98    3633925.90        0.78923                          502271.98
3633925.90        0.82741
         502321.98    3633925.90        0.86952                          502371.98
3633925.90        0.91358
         502421.98    3633925.90        0.96310                          502471.98
3633925.90        1.01522
         502521.98    3633925.90        1.07257                          502571.98
3633925.90        1.13489
         502621.98    3633925.90        1.20268                          502671.98
3633925.90        1.27600
         504771.98    3633925.90        1.67170                          504821.98
3633925.90        1.48549
         504871.98    3633925.90        1.34740                          504921.98
3633925.90        1.21578
         504971.98    3633925.90        1.11556                          505021.98
3633925.90        1.05002
         505071.98    3633925.90        0.99161                          505121.98
3633925.90        0.93924
         505171.98    3633925.90        0.89994                          505221.98
3633925.90        0.86264
         502221.98    3633975.90        0.80276                          502271.98
3633975.90        0.84133
         502321.98    3633975.90        0.88492                          502371.98
3633975.90        0.93242
         502421.98    3633975.90        0.98353                          502471.98
3633975.90        1.03857
         502521.98    3633975.90        1.09891                          502571.98
3633975.90        1.16426
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 380
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633975.90	1.23607	502671.98	3633975.90	1.31390
504771.98	3633975.90	1.65818	504821.98	3633975.90	1.51856
504871.98	3633975.90	1.39951	504921.98	3633975.90	1.26044
504971.98	3633975.90	1.12513	505021.98	3633975.90	1.04247
505071.98	3633975.90	0.97893	505121.98	3633975.90	0.94310
505171.98	3633975.90	0.90468	505221.98	3633975.90	0.86426
502221.98	3634025.90	0.81547	502271.98	3634025.90	0.85518
502321.98	3634025.90	0.90014	502371.98	3634025.90	0.94951
502421.98	3634025.90	1.00256	502471.98	3634025.90	1.06023
502521.98	3634025.90	1.12324	502571.98	3634025.90	1.19226
502621.98	3634025.90	1.26824	502671.98	3634025.90	1.35116
504771.98	3634025.90	1.64419	504821.98	3634025.90	1.54207
504871.98	3634025.90	1.38110	504921.98	3634025.90	1.23820
504971.98	3634025.90	1.10463	505021.98	3634025.90	1.02490
505071.98	3634025.90	0.96547	505121.98	3634025.90	0.93543
505171.98	3634025.90	0.90305	505221.98	3634025.90	0.85961
502221.98	3634075.90	0.82614	502271.98	3634075.90	0.86798
502321.98	3634075.90	0.91427	502371.98	3634075.90	0.96452
502421.98	3634075.90	1.01904	502471.98	3634075.90	1.07918
502521.98	3634075.90	1.14556	502571.98	3634075.90	1.21903

```
         502621.98    3634075.90        1.29859                        502671.98
3634075.90        1.38704
         504771.98    3634075.90        1.64513                        504821.98
3634075.90        1.50449
         504871.98    3634075.90        1.32348                        504921.98
3634075.90        1.19448
         504971.98    3634075.90        1.08453                        505021.98
3634075.90        1.00637
         505071.98    3634075.90        0.95166                        505121.98
3634075.90        0.91885
         505171.98    3634075.90        0.89157                        505221.98
3634075.90        0.85060
         502221.98    3634125.90        0.83526                        502271.98
3634125.90        0.88003
         502321.98    3634125.90        0.92736                        502371.98
3634125.90        0.97993
         502421.98    3634125.90        1.03647                        502471.98
3634125.90        1.09842
         502521.98    3634125.90        1.16638                        502571.98
3634125.90        1.24142
         502621.98    3634125.90        1.32677                        502671.98
3634125.90        1.42056
         504771.98    3634125.90        1.53640                        504821.98
3634125.90        1.40936
         504871.98    3634125.90        1.28180                        504921.98
3634125.90        1.14476
         504971.98    3634125.90        1.06253                        505021.98
3634125.90        0.98701
         505071.98    3634125.90        0.93872                        505121.98
3634125.90        0.90888
         505171.98    3634125.90        0.87587                        505221.98
3634125.90        0.83651
         502221.98    3634175.90        0.84217                        502271.98
3634175.90        0.88780
         502321.98    3634175.90        0.93628                        502371.98
3634175.90        0.99472
         502421.98    3634175.90        1.05310                        502471.98
3634175.90        1.11703
         502521.98    3634175.90        1.18687                        502571.98
3634175.90        1.26462
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 381
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
```

INCLUDING SOURCE(S): L0000938 , L0000939
, L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947
, L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955
, L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963
, L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634175.90	1.35082	502671.98	3634175.90	1.44813
504771.98	3634175.90	1.43494	504821.98	3634175.90	1.31102
504871.98	3634175.90	1.20540	504921.98	3634175.90	1.11579
504971.98	3634175.90	1.03511	505021.98	3634175.90	0.97158
505071.98	3634175.90	0.90690	505121.98	3634175.90	0.88518
505171.98	3634175.90	0.85260	505221.98	3634175.90	0.82521
502221.98	3634225.90	0.85079	502271.98	3634225.90	0.89625
502321.98	3634225.90	0.94907	502371.98	3634225.90	1.00699
502421.98	3634225.90	1.06761	502471.98	3634225.90	1.13357
502521.98	3634225.90	1.20539	502571.98	3634225.90	1.28600
502621.98	3634225.90	1.37497	502671.98	3634225.90	1.47496
504771.98	3634225.90	1.36048	504821.98	3634225.90	1.24160
504871.98	3634225.90	1.15862	504921.98	3634225.90	1.07211
504971.98	3634225.90	1.01901	505021.98	3634225.90	0.94478
505071.98	3634225.90	0.87976	505121.98	3634225.90	0.85148
505171.98	3634225.90	0.80211	505221.98		

```
3634225.90        0.79674
         502221.98    3634275.90        0.85844                      502271.98
3634275.90        0.90490
         502321.98    3634275.90        0.95761                      502371.98
3634275.90        1.01743
         502421.98    3634275.90        1.07926                      502471.98
3634275.90        1.14680
         502521.98    3634275.90        1.22151                      502571.98
3634275.90        1.30399
         502621.98    3634275.90        1.39659                      502671.98
3634275.90        1.49993
         504771.98    3634275.90        1.29393                      504821.98
3634275.90        1.18629
         504871.98    3634275.90        1.10442                      504921.98
3634275.90        1.04049
         504971.98    3634275.90        1.00748                      505021.98
3634275.90        0.91993
         505071.98    3634275.90        0.86094                      505121.98
3634275.90        0.83771
         505171.98    3634275.90        0.77495                      505221.98
3634275.90        0.77484
         502221.98    3634325.90        0.86556                      502271.98
3634325.90        0.91361
         502321.98    3634325.90        0.96559                      502371.98
3634325.90        1.02258
         502421.98    3634325.90        1.08493                      502471.98
3634325.90        1.15312
         502521.98    3634325.90        1.22894                      502571.98
3634325.90        1.31293
         502621.98    3634325.90        1.40647                      502671.98
3634325.90        1.51218
         504771.98    3634325.90        1.24565                      504821.98
3634325.90        1.17015
         504871.98    3634325.90        1.09996                      504921.98
3634325.90        1.05446
         504971.98    3634325.90        1.01262                      505021.98
3634325.90        0.91213
         505071.98    3634325.90        0.85693                      505121.98
3634325.90        0.84883
         505171.98    3634325.90        0.78623                      505221.98
3634325.90        0.76130
         502221.98    3634375.90        0.87239                      502271.98
3634375.90        0.92100
         502321.98    3634375.90        0.97218                      502371.98
3634375.90        1.02848
         502421.98    3634375.90        1.09359                      502471.98
3634375.90        1.16525
         502521.98    3634375.90        1.24522                      502571.98
3634375.90        1.33151
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

504771.98 3634425.90 1.27819 504821.98 3634425.90 1.23124
504871.98 3634425.90 1.22187 504921.98 3634425.90 1.20453
504971.98 3634425.90 1.07309 505021.98 3634425.90 0.99478
505071.98 3634425.90 0.96299 505121.98 3634425.90 0.92411
505171.98 3634425.90 0.85487 505221.98 3634425.90 0.79603
502221.98 3634475.90 0.88142 502271.98 3634475.90 0.93069
502321.98 3634475.90 0.98433 502371.98 3634475.90 1.04312
502421.98 3634475.90 1.10771 502471.98 3634475.90 1.17871
502521.98 3634475.90 1.25809 502571.98 3634475.90 1.34597
502621.98 3634475.90 1.44408 502671.98 3634475.90 1.55433
504771.98 3634475.90 1.31588 504821.98 3634475.90 1.23615
504871.98 3634475.90 1.23355 504921.98 3634475.90 1.31480
504971.98 3634475.90 1.19438 505021.98 3634475.90 1.11281
505071.98 3634475.90 1.06228 505121.98 3634475.90 0.98543
505171.98 3634475.90 0.90457 505221.98 3634475.90 0.83642
502221.98 3634525.90 0.88271 502271.98 3634525.90 0.93171
502321.98 3634525.90 0.98536 502371.98 3634525.90 1.04429
502421.98 3634525.90 1.10884 502471.98 3634525.90 1.18021
502521.98 3634525.90 1.25911 502571.98 3634525.90 1.34727
502621.98 3634525.90 1.44565 502671.98 3634525.90 1.55716
504771.98 3634525.90 1.42301 504821.98 3634525.90 1.30335
504871.98 3634525.90 1.29784 504921.98 3634525.90 1.41728
504971.98 3634525.90 1.39737 505021.98 3634525.90 1.27662
505071.98 3634525.90 1.17332 505121.98 3634525.90 1.05297
505171.98 3634525.90 0.94512 505221.98 3634525.90 0.85734

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502221.98	3634575.90	0.88312	502271.98	3634575.90	0.93115
502321.98	3634575.90	0.98437	502371.98	3634575.90	1.04295
502421.98	3634575.90	1.10742	502471.98	3634575.90	1.17860
502521.98	3634575.90	1.25716	502571.98	3634575.90	1.34465
502621.98	3634575.90	1.44245	502671.98	3634575.90	1.55287
504771.98	3634575.90	1.67722	504821.98	3634575.90	1.51779
504871.98	3634575.90	1.54100	504921.98	3634575.90	1.63267
504971.98	3634575.90	1.51243	505021.98	3634575.90	1.33501
505071.98	3634575.90	1.20340	505121.98	3634575.90	1.08861
505171.98	3634575.90	0.92879	505221.98	3634575.90	0.85051
502221.98	3634625.90	0.88128	502271.98		

3634625.90 0.92968
502321.98 3634625.90 0.98144 502371.98
3634625.90 1.03939
502421.98 3634625.90 1.10308 502471.98
3634625.90 1.17347
502521.98 3634625.90 1.25217 502571.98
3634625.90 1.33849
502621.98 3634625.90 1.43494 502671.98
3634625.90 1.54272
504771.98 3634625.90 2.06028 504821.98
3634625.90 1.99561
504871.98 3634625.90 1.84966 504921.98
3634625.90 1.70697
504971.98 3634625.90 1.52825 505021.98
3634625.90 1.34914
505071.98 3634625.90 1.18932 505121.98
3634625.90 1.08097
505171.98 3634625.90 0.91132 505221.98
3634625.90 0.83301
502221.98 3634675.90 0.87719 502271.98
3634675.90 0.92582
502321.98 3634675.90 0.97833 502371.98
3634675.90 1.03533
502421.98 3634675.90 1.09822 502471.98
3634675.90 1.16737
502521.98 3634675.90 1.24365 502571.98
3634675.90 1.32847
502621.98 3634675.90 1.42274 502671.98
3634675.90 1.52752
504771.98 3634675.90 2.17377 504821.98
3634675.90 2.00849
504871.98 3634675.90 1.82945 504921.98
3634675.90 1.69886
504971.98 3634675.90 1.56155 505021.98
3634675.90 1.35088
505071.98 3634675.90 1.15190 505121.98
3634675.90 1.05812
505171.98 3634675.90 0.92197 505221.98
3634675.90 0.83635
502221.98 3634725.90 0.87184 502271.98
3634725.90 0.91942
502321.98 3634725.90 0.97017 502371.98
3634725.90 1.02629
502421.98 3634725.90 1.08863 502471.98
3634725.90 1.15640
502521.98 3634725.90 1.23059 502571.98
3634725.90 1.31335
502621.98 3634725.90 1.40475 502671.98
3634725.90 1.50697
504771.98 3634725.90 2.10512 504821.98

3634725.90   1.96076
         504871.98   3634725.90   1.82488   504921.98
3634725.90   1.66738
         504971.98   3634725.90   1.49388   505021.98
3634725.90   1.25376
         505071.98   3634725.90   1.10646   505121.98
3634725.90   1.00991
         505171.98   3634725.90   0.88453   505221.98
3634725.90   0.82566
         502221.98   3634775.90   0.86562   502271.98
3634775.90   0.91218
         502321.98   3634775.90   0.96113   502371.98
3634775.90   1.01549
         502421.98   3634775.90   1.07511   502471.98
3634775.90   1.14097
         502521.98   3634775.90   1.21460   502571.98
3634775.90   1.29408

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502621.98   3634775.90   1.38228   502671.98
3634775.90   1.48045
         504771.98   3634775.90   2.02796   504821.98
3634775.90   1.89577

```
         504871.98    3634775.90        1.77086                    504921.98
3634775.90        1.59504
         504971.98    3634775.90        1.32687                    505021.98
3634775.90        1.12970
         505071.98    3634775.90        1.05169                    505121.98
3634775.90        0.97675
         505171.98    3634775.90        0.85581                    505221.98
3634775.90        0.79239
         502221.98    3634825.90        0.85728                    502271.98
3634825.90        0.90242
         502321.98    3634825.90        0.95105                    502371.98
3634825.90        1.00410
         502421.98    3634825.90        1.06142                    502471.98
3634825.90        1.12376
         502521.98    3634825.90        1.19499                    502571.98
3634825.90        1.27170
         502621.98    3634825.90        1.35606                    502671.98
3634825.90        1.44936
         504771.98    3634825.90        1.94890                    504821.98
3634825.90        1.83116
         504871.98    3634825.90        1.68820                    504921.98
3634825.90        1.46151
         504971.98    3634825.90        1.15085                    505021.98
3634825.90        0.98342
         505071.98    3634825.90        0.94132                    505121.98
3634825.90        0.89835
         505171.98    3634825.90        0.81259                    505221.98
3634825.90        0.75984
         502221.98    3634875.90        0.84714                    502271.98
3634875.90        0.89069
         502321.98    3634875.90        0.93788                    502371.98
3634875.90        0.98931
         502421.98    3634875.90        1.04515                    502471.98
3634875.90        1.10603
         502521.98    3634875.90        1.17262                    502571.98
3634875.90        1.24571
         502621.98    3634875.90        1.32612                    502671.98
3634875.90        1.41480
         504771.98    3634875.90        1.87656                    504821.98
3634875.90        1.75007
         504871.98    3634875.90        1.62797                    504921.98
3634875.90        1.35880
         504971.98    3634875.90        1.07020                    505021.98
3634875.90        0.91724
         505071.98    3634875.90        0.83812                    505121.98
3634875.90        0.81602
         505171.98    3634875.90        0.76710                    505221.98
3634875.90        0.73441
         502221.98    3634925.90        0.83527                    502271.98
3634925.90        0.87751
```

```
         502321.98    3634925.90        0.92311                       502371.98
3634925.90        0.97248
         502421.98    3634925.90        1.02610                       502471.98
3634925.90        1.08419
         502521.98    3634925.90        1.14788                       502571.98
3634925.90        1.21738
         502621.98    3634925.90        1.29347                       502671.98
3634925.90        1.37736
         504771.98    3634925.90        1.80436                       504821.98
3634925.90        1.68061
         504871.98    3634925.90        1.57445                       504921.98
3634925.90        1.34662
         504971.98    3634925.90        1.06893                       505021.98
3634925.90        0.88345
         505071.98    3634925.90        0.79505                       505121.98
3634925.90        0.77041
         505171.98    3634925.90        0.73353                       505221.98
3634925.90        0.70966
         502221.98    3634975.90        0.82214                       502271.98
3634975.90        0.86298
         502321.98    3634975.90        0.90670                       502371.98
3634975.90        0.95406
         502421.98    3634975.90        1.00532                       502471.98
3634975.90        1.06084
         502521.98    3634975.90        1.12139                       502571.98
3634975.90        1.18721
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 385
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634975.90	1.25919	502671.98	3634975.90	1.33807
504821.98	3634975.90	1.61131	504871.98	3634975.90	1.51786
504921.98	3634975.90	1.37856	504971.98	3634975.90	1.05732
505021.98	3634975.90	0.88399	505071.98	3634975.90	0.79233
505121.98	3634975.90	0.78544	505171.98	3634975.90	0.74859
505221.98	3634975.90	0.70896	502221.98	3635025.90	0.80797
502271.98	3635025.90	0.84728	502321.98	3635025.90	0.88928
502371.98	3635025.90	0.93452	502421.98	3635025.90	0.98346
502471.98	3635025.90	1.03637	502521.98	3635025.90	1.09375
502571.98	3635025.90	1.15606	502621.98	3635025.90	1.22393
502671.98	3635025.90	1.29795	504871.98	3635025.90	1.45947
504921.98	3635025.90	1.34077	504971.98	3635025.90	1.09630
505021.98	3635025.90	0.89321	505071.98	3635025.90	0.81756
505121.98	3635025.90	0.82285	505171.98	3635025.90	0.79022
505221.98	3635025.90	0.73552	502221.98	3635075.90	0.79320
502271.98	3635075.90	0.83074	502321.98	3635075.90	0.87081
502371.98	3635075.90	0.91409	502421.98	3635075.90	0.96056
502471.98	3635075.90	1.01077	502521.98	3635075.90	1.06513
502571.98	3635075.90	1.12409	502621.98	3635075.90	1.18805
502671.98	3635075.90	1.25756	504921.98	3635075.90	1.32284
504971.98	3635075.90	1.20172	505021.98	3635075.90	0.95539
505071.98	3635075.90	0.89834	505121.98	3635075.90	0.89503
505171.98	3635075.90	0.89496	505221.98		

```
3635075.90        0.82625
         502221.98    3635125.90        0.77753                          502271.98
3635125.90        0.81359
         502321.98    3635125.90        0.85177                          502371.98
3635125.90        0.89292
         502421.98    3635125.90        0.93711                          502471.98
3635125.90        0.98464
         502521.98    3635125.90        1.03614                          502571.98
3635125.90        1.09181
         502621.98    3635125.90        1.15199                          502671.98
3635125.90        1.21722
         505021.98    3635125.90        1.11030                          505071.98
3635125.90        1.02734
         505121.98    3635125.90        1.01018                          505171.98
3635125.90        0.98272
         505221.98    3635125.90        0.88188                          502221.98
3635175.90        0.76139
         502271.98    3635175.90        0.79592                          502321.98
3635175.90        0.83228
         502371.98    3635175.90        0.87134                          502421.98
3635175.90        0.91328
         502471.98    3635175.90        0.95833                          502521.98
3635175.90        1.00686
         502571.98    3635175.90        1.05943                          502621.98
3635175.90        1.11615
         502671.98    3635175.90        1.17713                          505121.98
3635175.90        1.00976
         505171.98    3635175.90        0.96443                          505221.98
3635175.90        0.91929
         502221.98    3635225.90        0.74507                          502271.98
3635225.90        0.77786
         502321.98    3635225.90        0.81270                          502371.98
3635225.90        0.84988
         502421.98    3635225.90        0.88967                          502471.98
3635225.90        0.93237
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 386
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
```

```
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         502521.98    3635225.90        0.97829                       502571.98
3635225.90        1.02768
         502621.98    3635225.90        1.08065                       502671.98
3635225.90        1.13774
         502221.98    3635275.90        0.75079                       502271.98
3635275.90        0.75989
         502321.98    3635275.90        0.79995                       502371.98
3635275.90        0.83672
         502421.98    3635275.90        0.87272                       502471.98
3635275.90        0.91240
         502521.98    3635275.90        0.96111                       502571.98
3635275.90        0.99813
         502621.98    3635275.90        1.04573                       502671.98
3635275.90        1.09881
         502221.98    3635325.90        0.74371                       502271.98
3635325.90        0.74772
         502321.98    3635325.90        0.78690                       502371.98
3635325.90        0.82238
         502421.98    3635325.90        0.85801                       502471.98
3635325.90        0.89242
         502521.98    3635325.90        0.92826                       502571.98
3635325.90        0.97076
         502621.98    3635325.90        1.01366                       502671.98
3635325.90        1.06182
         502221.98    3635375.90        0.71987                       502271.98
3635375.90        0.73569
         502321.98    3635375.90        0.76729                       502371.98
3635375.90        0.80121
         502421.98    3635375.90        0.83132                       502471.98
3635375.90        0.86271
         502521.98    3635375.90        0.89505                       502571.98
3635375.90        0.93410
         502621.98    3635375.90        0.97595                       502671.98
3635375.90        1.02042
         502221.98    3635425.90        0.70067                       502271.98
3635425.90        0.71691
```

```
         502321.98    3635425.90        0.74537                        502371.98
3635425.90        0.77333
         502421.98    3635425.90        0.80155                        502471.98
3635425.90        0.83101
         502521.98    3635425.90        0.86279                        502571.98
3635425.90        0.89743
         502621.98    3635425.90        0.93443                        502671.98
3635425.90        0.97501
         504771.98    3635425.90        1.17521                        502221.98
3635475.90        0.67729
         502271.98    3635475.90        0.69871                        502321.98
3635475.90        0.72232
         502371.98    3635475.90        0.74724                        502421.98
3635475.90        0.77339
         502471.98    3635475.90        0.79892                        502521.98
3635475.90        0.83129
         502571.98    3635475.90        0.86404                        502621.98
3635475.90        0.89911
         502671.98    3635475.90        0.93272                        504771.98
3635475.90        1.14992
         504821.98    3635475.90        1.09393                        504871.98
3635475.90        1.05010
         504921.98    3635475.90        1.00183                        502221.98
3635525.90        0.65395
         502271.98    3635525.90        0.67644                        502321.98
3635525.90        0.69851
         502371.98    3635525.90        0.72205                        502421.98
3635525.90        0.74639
         502471.98    3635525.90        0.77152                        502521.98
3635525.90        0.80090
         502571.98    3635525.90        0.83079                        502621.98
3635525.90        0.86128
         502671.98    3635525.90        0.89214                        502721.98
3635525.90        0.92617
         502771.98    3635525.90        0.96461                        502821.98
3635525.90        1.00525
         502871.98    3635525.90        1.04885                        502921.98
3635525.90        1.09210
         502971.98    3635525.90        1.13649                        503021.98
3635525.90        1.18190
         503071.98    3635525.90        1.23062                        503121.98
3635525.90        1.29191
         503171.98    3635525.90        1.33631                        503221.98
3635525.90        1.36118
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503271.98	3635525.90	1.40402	503321.98	3635525.90	1.44826
503371.98	3635525.90	1.49326	503421.98	3635525.90	1.53560
503471.98	3635525.90	1.58563	503521.98	3635525.90	1.62837
503571.98	3635525.90	1.64459	503621.98	3635525.90	1.65531
503671.98	3635525.90	1.67514	503721.98	3635525.90	1.69824
503771.98	3635525.90	1.72584	503821.98	3635525.90	1.75066
503871.98	3635525.90	1.75118	503921.98	3635525.90	1.77615
503971.98	3635525.90	1.79567	504021.98	3635525.90	1.74536
504071.98	3635525.90	1.66045	504121.98	3635525.90	1.62256
504171.98	3635525.90	1.59405	504221.98	3635525.90	1.54259
504271.98	3635525.90	1.51640	504321.98	3635525.90	1.47515
504371.98	3635525.90	1.42613	504421.98	3635525.90	1.38055
504471.98	3635525.90	1.33614	504521.98	3635525.90	1.29197
504571.98	3635525.90	1.25549	504621.98		

3635525.90 1.21752
504671.98 3635525.90 1.17748 504721.98
3635525.90 1.15581
504771.98 3635525.90 1.10787 504821.98
3635525.90 1.06395
504871.98 3635525.90 1.01950 504921.98
3635525.90 0.96817
504971.98 3635525.90 0.93026 505021.98
3635525.90 0.89547
505071.98 3635525.90 0.85677 505121.98
3635525.90 0.82003
505171.98 3635525.90 0.78558 505221.98
3635525.90 0.75326
502221.98 3635575.90 0.62733 502271.98
3635575.90 0.65427
502321.98 3635575.90 0.67556 502371.98
3635575.90 0.69721
502421.98 3635575.90 0.71961 502471.98
3635575.90 0.74471
502521.98 3635575.90 0.77270 502571.98
3635575.90 0.80070
502621.98 3635575.90 0.82852 502671.98
3635575.90 0.85711
502721.98 3635575.90 0.88924 502771.98
3635575.90 0.92639
502821.98 3635575.90 0.96386 502871.98
3635575.90 1.00227
502921.98 3635575.90 1.04158 502971.98
3635575.90 1.08021
503021.98 3635575.90 1.12041 503071.98
3635575.90 1.16469
503121.98 3635575.90 1.22034 503171.98
3635575.90 1.25928
503221.98 3635575.90 1.28209 503271.98
3635575.90 1.32485
503321.98 3635575.90 1.36732 503371.98
3635575.90 1.41186
503421.98 3635575.90 1.45313 503471.98
3635575.90 1.49993
503521.98 3635575.90 1.53900 503571.98
3635575.90 1.55553
503621.98 3635575.90 1.55191 503671.98
3635575.90 1.56572
503721.98 3635575.90 1.58217 503771.98
3635575.90 1.59878
503821.98 3635575.90 1.61117 503871.98
3635575.90 1.62917
503921.98 3635575.90 1.64421 503971.98
3635575.90 1.66052
504021.98 3635575.90 1.56184 504071.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         504221.98   3635575.90   1.45489   504271.98
3635575.90   1.40695
         504321.98   3635575.90   1.37641   504371.98
3635575.90   1.34529
         504421.98   3635575.90   1.30663   504471.98
3635575.90   1.26041
         504521.98   3635575.90   1.22455   504571.98
3635575.90   1.18261
         504621.98   3635575.90   1.15805   504671.98
3635575.90   1.12236
         504721.98   3635575.90   1.08938   504771.98
3635575.90   1.06335
         504821.98   3635575.90   1.02670   504871.98
3635575.90   0.98276
         504921.98   3635575.90   0.92803   504971.98
3635575.90   0.90287
         505021.98   3635575.90   0.86953   505071.98
3635575.90   0.83436

505121.98 3635575.90 0.80566 505171.98 3635575.90 0.76616
505221.98 3635575.90 0.73863 502221.98 3635625.90 0.59932
502271.98 3635625.90 0.62795 502321.98 3635625.90 0.65037
502371.98 3635625.90 0.67349 502421.98 3635625.90 0.68905
502471.98 3635625.90 0.71099 502521.98 3635625.90 0.73584
502571.98 3635625.90 0.76942 502621.98 3635625.90 0.79978
502671.98 3635625.90 0.82575 502721.98 3635625.90 0.85445
502771.98 3635625.90 0.88665 502821.98 3635625.90 0.91924
502871.98 3635625.90 0.95303 502921.98 3635625.90 0.98798
502971.98 3635625.90 1.02395 503021.98 3635625.90 1.06099
503071.98 3635625.90 1.09925 503121.98 3635625.90 1.13773
503171.98 3635625.90 1.17615 503221.98 3635625.90 1.21497
503271.98 3635625.90 1.25437 503321.98 3635625.90 1.29416
503371.98 3635625.90 1.33183 503421.98 3635625.90 1.36946
503471.98 3635625.90 1.41396 503521.98 3635625.90 1.45127
503571.98 3635625.90 1.47008 503621.98 3635625.90 1.47150
503671.98 3635625.90 1.48259 503721.98 3635625.90 1.49322
503771.98 3635625.90 1.50540 503821.98 3635625.90 1.51301
503871.98 3635625.90 1.50418 503921.98 3635625.90 1.52165
503971.98 3635625.90 1.53227 504021.98 3635625.90 1.46857
504071.98 3635625.90 1.43458 504121.98 3635625.90 1.41754
504171.98 3635625.90 1.39687 504221.98 3635625.90 1.38290
504271.98 3635625.90 1.34633 504321.98 3635625.90 1.28855
504371.98 3635625.90 1.26067 504421.98 3635625.90 1.23534
504471.98 3635625.90 1.19744 504521.98 3635625.90 1.16236

```
         504571.98    3635625.90        1.12198                      504621.98
3635625.90        1.09301
         504671.98    3635625.90        1.05909                      504721.98
3635625.90        1.03555
         504771.98    3635625.90        1.02081                      504821.98
3635625.90        0.98782
         504871.98    3635625.90        0.94796                      504921.98
3635625.90        0.89590
         504971.98    3635625.90        0.87694                      505021.98
3635625.90        0.82986
         505071.98    3635625.90        0.79830                      505121.98
3635625.90        0.78005
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 389
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         505171.98    3635625.90        0.74727                      505221.98
3635625.90        0.71738
         502221.98    3635675.90        0.57158                      502271.98
3635675.90        0.60049
         502321.98    3635675.90        0.62087                      502371.98
3635675.90        0.64345
         502421.98    3635675.90        0.66228                      502471.98
3635675.90        0.68510
         502521.98    3635675.90        0.70977                      502571.98
```

3635675.90 0.73878
502621.98 3635675.90 0.76782 502671.98
3635675.90 0.79571
502721.98 3635675.90 0.82120 502771.98
3635675.90 0.84577
502821.98 3635675.90 0.87650 502871.98
3635675.90 0.90745
502921.98 3635675.90 0.93250 502971.98
3635675.90 0.97022
503021.98 3635675.90 1.00174 503071.98
3635675.90 1.03796
503121.98 3635675.90 1.07227 503171.98
3635675.90 1.10682
503221.98 3635675.90 1.14665 503271.98
3635675.90 1.18381
503321.98 3635675.90 1.22016 503371.98
3635675.90 1.25824
503421.98 3635675.90 1.29522 503471.98
3635675.90 1.33031
503521.98 3635675.90 1.36351 503571.98
3635675.90 1.38586
503621.98 3635675.90 1.39148 503671.98
3635675.90 1.39472
503721.98 3635675.90 1.41144 503771.98
3635675.90 1.42360
503821.98 3635675.90 1.42287 503871.98
3635675.90 1.41595
503921.98 3635675.90 1.43710 503971.98
3635675.90 1.43679
504021.98 3635675.90 1.39278 504071.98
3635675.90 1.36568
504121.98 3635675.90 1.33003 504171.98
3635675.90 1.30931
504221.98 3635675.90 1.29028 504271.98
3635675.90 1.27256
504321.98 3635675.90 1.23044 504371.98
3635675.90 1.18978
504421.98 3635675.90 1.16043 504471.98
3635675.90 1.13759
504521.98 3635675.90 1.12164 504571.98
3635675.90 1.07174
504621.98 3635675.90 1.05521 504671.98
3635675.90 1.01408
504721.98 3635675.90 0.98335 504771.98
3635675.90 0.99639
504821.98 3635675.90 0.94978 504871.98
3635675.90 0.91399
504921.98 3635675.90 0.86586 504971.98
3635675.90 0.85086
505021.98 3635675.90 0.81569 505071.98

```
3635675.90        0.77616
         505121.98    3635675.90        0.76036                       505171.98
3635675.90        0.73081
         505221.98    3635675.90        0.70102                       502221.98
3635725.90        0.54801
         502271.98    3635725.90        0.57743                       502321.98
3635725.90        0.59983
         502371.98    3635725.90        0.62298                       502421.98
3635725.90        0.64014
         502471.98    3635725.90        0.66241                       502521.98
3635725.90        0.68380
         502571.98    3635725.90        0.71383                       502621.98
3635725.90        0.74171
         502671.98    3635725.90        0.76558                       502721.98
3635725.90        0.79038
         502771.98    3635725.90        0.81413                       502821.98
3635725.90        0.84075
         502871.98    3635725.90        0.86914                       502921.98
3635725.90        0.88779
         502971.98    3635725.90        0.91880                       503021.98
3635725.90        0.94510
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 390
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
```

503071.98 3635725.90 0.98132 503121.98 3635725.90 1.00884
503171.98 3635725.90 1.04075 503221.98 3635725.90 1.08301
503271.98 3635725.90 1.11620 503321.98 3635725.90 1.14813
503371.98 3635725.90 1.18276 503421.98 3635725.90 1.22197
503471.98 3635725.90 1.25405 503521.98 3635725.90 1.28411
503571.98 3635725.90 1.30103 503621.98 3635725.90 1.31703
503671.98 3635725.90 1.31417 503721.98 3635725.90 1.33110
503771.98 3635725.90 1.34001 503821.98 3635725.90 1.33677
503871.98 3635725.90 1.33263 503921.98 3635725.90 1.34728
503971.98 3635725.90 1.35415 504021.98 3635725.90 1.31761
504071.98 3635725.90 1.30520 504121.98 3635725.90 1.27183
504171.98 3635725.90 1.24956 504221.98 3635725.90 1.27162
504271.98 3635725.90 1.25096 504321.98 3635725.90 1.17806
504371.98 3635725.90 1.14351 504421.98 3635725.90 1.10444
504471.98 3635725.90 1.09650 504521.98 3635725.90 1.08144
504571.98 3635725.90 1.03344 504621.98 3635725.90 1.00872
504671.98 3635725.90 0.98847 504721.98 3635725.90 0.94256
504771.98 3635725.90 0.91459 504821.98 3635725.90 0.90086
504871.98 3635725.90 0.86507 504921.98 3635725.90 0.83633
504971.98 3635725.90 0.82469 505021.98 3635725.90 0.79798
505071.98 3635725.90 0.76252 505121.98 3635725.90 0.74156
505171.98 3635725.90 0.71356 505221.98 3635725.90 0.68560
502221.98 3635775.90 0.52868 502271.98 3635775.90 0.55899
502321.98 3635775.90 0.57976 502371.98 3635775.90 0.60268
502421.98 3635775.90 0.61990 502471.98 3635775.90 0.64044

```
         502521.98    3635775.90        0.66155                        502571.98
3635775.90        0.68611
         502621.98    3635775.90        0.71059                        502671.98
3635775.90        0.73475
         502721.98    3635775.90        0.76184                        502771.98
3635775.90        0.78679
         502821.98    3635775.90        0.81054                        502871.98
3635775.90        0.83470
         502921.98    3635775.90        0.85201                        502971.98
3635775.90        0.88064
         503021.98    3635775.90        0.89829                        503071.98
3635775.90        0.92860
         503121.98    3635775.90        0.95596                        503171.98
3635775.90        0.98877
         503221.98    3635775.90        0.97695                        503271.98
3635775.90        0.98364
         503321.98    3635775.90        1.03221                        503371.98
3635775.90        1.10175
         503421.98    3635775.90        1.14989                        503471.98
3635775.90        1.18258
         503521.98    3635775.90        1.20476                        503571.98
3635775.90        1.23638
         503621.98    3635775.90        1.25500                        503671.98
3635775.90        1.25302
         503721.98    3635775.90        1.24926                        503771.98
3635775.90        1.26119
         503821.98    3635775.90        1.26481                        503871.98
3635775.90        1.27582
         503921.98    3635775.90        1.30024                        503971.98
3635775.90        1.29903
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 391
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504021.98	3635775.90	1.25540	504071.98	3635775.90	1.26918
504121.98	3635775.90	1.23985	504171.98	3635775.90	1.22592
504221.98	3635775.90	1.22338	504271.98	3635775.90	1.20699
504321.98	3635775.90	1.16090	504371.98	3635775.90	1.10738
504421.98	3635775.90	1.06774	504471.98	3635775.90	1.06145
504521.98	3635775.90	1.04914	504571.98	3635775.90	0.99242
504621.98	3635775.90	0.97872	504671.98	3635775.90	0.94158
504721.98	3635775.90	0.90707	504771.98	3635775.90	0.88217
504821.98	3635775.90	0.85675	504871.98	3635775.90	0.83297
504921.98	3635775.90	0.80770	504971.98	3635775.90	0.80034
505021.98	3635775.90	0.77587	505071.98	3635775.90	0.74229
505121.98	3635775.90	0.72054	505171.98	3635775.90	0.69573
505221.98	3635775.90	0.67092	502221.98	3635825.90	0.51162
502271.98	3635825.90	0.54127	502321.98	3635825.90	0.56186
502371.98	3635825.90	0.58437	502421.98	3635825.90	0.60038
502471.98	3635825.90	0.62048	502521.98	3635825.90	0.64002
502571.98	3635825.90	0.66345	502621.98	3635825.90	0.68664
502671.98	3635825.90	0.70967	502721.98	3635825.90	0.73286
502771.98	3635825.90	0.75739	502821.98	3635825.90	0.78008
502871.98	3635825.90	0.80266	502921.98	3635825.90	0.81852
502971.98	3635825.90	0.84559	503021.98		

3635825.90   0.85203
         503071.98   3635825.90   0.87071   503121.98
3635825.90   0.89985
         503171.98   3635825.90   0.93195   503221.98
3635825.90   0.90552
         503271.98   3635825.90   0.92435   503321.98
3635825.90   0.96795
         503371.98   3635825.90   1.04121   503421.98
3635825.90   1.08155
         503471.98   3635825.90   1.11537   503521.98
3635825.90   1.09274
         503571.98   3635825.90   1.13137   503621.98
3635825.90   1.17915
         503671.98   3635825.90   1.19731   503721.98
3635825.90   1.19439
         503771.98   3635825.90   1.19073   503821.98
3635825.90   1.19994
         503871.98   3635825.90   1.20882   503921.98
3635825.90   1.22371
         503971.98   3635825.90   1.23593   504021.98
3635825.90   1.20064
         504071.98   3635825.90   1.23349   504121.98
3635825.90   1.22919
         504171.98   3635825.90   1.19274   504221.98
3635825.90   1.18099
         504271.98   3635825.90   1.18164   504321.98
3635825.90   1.13899
         504371.98   3635825.90   1.09139   504421.98
3635825.90   1.05718
         504471.98   3635825.90   1.03838   504521.98
3635825.90   1.02054
         504571.98   3635825.90   0.97799   504621.98
3635825.90   0.95103
         504671.98   3635825.90   0.90613   504721.98
3635825.90   0.86771
         504771.98   3635825.90   0.84479   504821.98
3635825.90   0.82930
         504871.98   3635825.90   0.81364   504921.98
3635825.90   0.78646

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):   L0000938   , L0000939

```
, L0000940    , L0000941    , L0000942    ,
                L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         504971.98    3635825.90        0.77068                       505021.98
3635825.90        0.74833
         505071.98    3635825.90        0.72610                       505121.98
3635825.90        0.70068
         505171.98    3635825.90        0.67915                       505221.98
3635825.90        0.65622
         502221.98    3635875.90        0.49690                       502271.98
3635875.90        0.52569
         502321.98    3635875.90        0.54692                       502371.98
3635875.90        0.56676
         502421.98    3635875.90        0.58238                       502471.98
3635875.90        0.60121
         502521.98    3635875.90        0.61885                       502571.98
3635875.90        0.64097
         502621.98    3635875.90        0.66038                       502671.98
3635875.90        0.68255
         502721.98    3635875.90        0.70587                       502771.98
3635875.90        0.72911
         502821.98    3635875.90        0.75012                       502871.98
3635875.90        0.77175
         502921.98    3635875.90        0.78129                       502971.98
3635875.90        0.80689
         503021.98    3635875.90        0.80976                       503071.98
3635875.90        0.82682
         503121.98    3635875.90        0.85116                       503171.98
3635875.90        0.88116
         503221.98    3635875.90        0.89140                       503271.98
3635875.90        0.89758
         503321.98    3635875.90        0.95165                       503371.98
3635875.90        0.98312
         503421.98    3635875.90        1.02189                       503471.98
3635875.90        1.04491
```

```
         503521.98    3635875.90        0.96954                      503571.98
3635875.90        1.06366
         503621.98    3635875.90        1.11738                      503671.98
3635875.90        1.13010
         503721.98    3635875.90        1.12959                      503771.98
3635875.90        1.13023
         503821.98    3635875.90        1.14044                      503871.98
3635875.90        1.15693
         503921.98    3635875.90        1.16195                      503971.98
3635875.90        1.16822
         504021.98    3635875.90        1.15570                      504071.98
3635875.90        1.17886
         504121.98    3635875.90        1.17645                      504171.98
3635875.90        1.16140
         504221.98    3635875.90        1.16288                      504271.98
3635875.90        1.15413
         504321.98    3635875.90        1.11593                      504371.98
3635875.90        1.08075
         504421.98    3635875.90        1.05372                      504471.98
3635875.90        1.00897
         504521.98    3635875.90        0.97896                      504571.98
3635875.90        0.94902
         504621.98    3635875.90        0.91971                      504671.98
3635875.90        0.88820
         504721.98    3635875.90        0.83352                      504771.98
3635875.90        0.81211
         504821.98    3635875.90        0.79976                      504871.98
3635875.90        0.78059
         504921.98    3635875.90        0.76169                      504971.98
3635875.90        0.74966
         505021.98    3635875.90        0.72397                      505071.98
3635875.90        0.70062
         505121.98    3635875.90        0.68187                      505171.98
3635875.90        0.66125
         505221.98    3635875.90        0.64141                      502221.98
3635925.90        0.48190
         502271.98    3635925.90        0.50990                      502321.98
3635925.90        0.52936
         502371.98    3635925.90        0.55038                      502421.98
3635925.90        0.56517
         502471.98    3635925.90        0.58279                      502521.98
3635925.90        0.59767
         502571.98    3635925.90        0.61788                      502621.98
3635925.90        0.63736
         502671.98    3635925.90        0.65829                      502721.98
3635925.90        0.68035
         502771.98    3635925.90        0.70262                      502821.98
3635925.90        0.72172
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502871.98	3635925.90	0.74248	502921.98	3635925.90	0.75005
502971.98	3635925.90	0.77059	503021.98	3635925.90	0.77327
503071.98	3635925.90	0.78607	503121.98	3635925.90	0.80799
503171.98	3635925.90	0.82948	503221.98	3635925.90	0.84407
503271.98	3635925.90	0.86862	503321.98	3635925.90	0.90425
503371.98	3635925.90	0.93743	503421.98	3635925.90	0.96646
503471.98	3635925.90	0.95324	503521.98	3635925.90	0.92198
503571.98	3635925.90	0.99632	503621.98	3635925.90	1.06221
503671.98	3635925.90	1.07079	503721.98	3635925.90	1.07553
503771.98	3635925.90	1.08176	503821.98	3635925.90	1.08652
503871.98	3635925.90	1.08926	503921.98	3635925.90	1.09697
503971.98	3635925.90	1.10666	504021.98		

3635925.90 1.10584
504071.98 3635925.90 1.11562 504121.98
3635925.90 1.12296
504171.98 3635925.90 1.12582 504221.98
3635925.90 1.13001
504271.98 3635925.90 1.11174 504321.98
3635925.90 1.08479
504371.98 3635925.90 1.06592 504421.98
3635925.90 1.04422
504471.98 3635925.90 1.01060 504521.98
3635925.90 0.96880
504571.98 3635925.90 0.92533 504621.98
3635925.90 0.88143
504671.98 3635925.90 0.86073 504721.98
3635925.90 0.83102
504771.98 3635925.90 0.80030 504821.98
3635925.90 0.76405
504871.98 3635925.90 0.74716 504921.98
3635925.90 0.73035
504971.98 3635925.90 0.72724 505021.98
3635925.90 0.70992
505071.98 3635925.90 0.68958 505121.98
3635925.90 0.66474
505171.98 3635925.90 0.64415 505221.98
3635925.90 0.63160
502221.98 3635975.90 0.46391 502271.98
3635975.90 0.49064
502321.98 3635975.90 0.51008 502371.98
3635975.90 0.53269
502421.98 3635975.90 0.54709 502471.98
3635975.90 0.56437
502521.98 3635975.90 0.57924 502571.98
3635975.90 0.60041
502621.98 3635975.90 0.61838 502671.98
3635975.90 0.63612
502721.98 3635975.90 0.65630 502771.98
3635975.90 0.67647
502821.98 3635975.90 0.69419 502871.98
3635975.90 0.71489
502921.98 3635975.90 0.72229 502971.98
3635975.90 0.74098
503021.98 3635975.90 0.74146 503071.98
3635975.90 0.75724
503121.98 3635975.90 0.77094 503171.98
3635975.90 0.78949
503221.98 3635975.90 0.80788 503271.98
3635975.90 0.83686
503321.98 3635975.90 0.86525 503371.98
3635975.90 0.90223
503421.98 3635975.90 0.89195 503471.98

3635975.90   0.88479
         503521.98   3635975.90   0.91785   503571.98
3635975.90   0.98578
         503621.98   3635975.90   1.00850   503671.98
3635975.90   1.01784
         503721.98   3635975.90   1.02390   503771.98
3635975.90   1.02950

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

504521.98 3635975.90 0.96685 504571.98
3635975.90 0.93481
504621.98 3635975.90 0.90811 504671.98
3635975.90 0.86551
504721.98 3635975.90 0.83344 504771.98
3635975.90 0.79733
504821.98 3635975.90 0.76086 504871.98
3635975.90 0.73423
504921.98 3635975.90 0.70951 504971.98
3635975.90 0.70405
505021.98 3635975.90 0.68846 505071.98
3635975.90 0.67073
505121.98 3635975.90 0.64991 505171.98
3635975.90 0.63071
505221.98 3635975.90 0.60935 501721.98
3632475.90 0.31709
501821.98 3632475.90 0.33041 501921.98
3632475.90 0.34432
502021.98 3632475.90 0.35880 502121.98
3632475.90 0.37380
502221.98 3632475.90 0.38933 502321.98
3632475.90 0.40534
502421.98 3632475.90 0.42163 502521.98
3632475.90 0.43814
502621.98 3632475.90 0.45459 502721.98
3632475.90 0.46166
502821.98 3632475.90 0.46265 502921.98
3632475.90 0.44569
503021.98 3632475.90 0.43706 503121.98
3632475.90 0.42078
503221.98 3632475.90 0.43882 503321.98
3632475.90 0.41254
503421.98 3632475.90 0.39985 503721.98
3632475.90 0.38020
503821.98 3632475.90 0.35027 503921.98
3632475.90 0.32181
504021.98 3632475.90 0.29947 504121.98
3632475.90 0.29410
504221.98 3632475.90 0.27565 504321.98
3632475.90 0.26788
504421.98 3632475.90 0.28708 504521.98
3632475.90 0.30638
504621.98 3632475.90 0.26760 504721.98
3632475.90 0.25456
504821.98 3632475.90 0.25534 504921.98
3632475.90 0.25086
505021.98 3632475.90 0.24332 505121.98
3632475.90 0.24657
505221.98 3632475.90 0.23943 505321.98
3632475.90 0.23752

```
         505421.98    3632475.90        0.23886                      505521.98
3632475.90        0.24172
         505621.98    3632475.90        0.24885                      505721.98
3632475.90        0.25795
         501721.98    3632575.90        0.32994                      501821.98
3632575.90        0.34449
         501921.98    3632575.90        0.35975                      502021.98
3632575.90        0.37574
         502121.98    3632575.90        0.39240                      502221.98
3632575.90        0.40976
         502321.98    3632575.90        0.42768                      502421.98
3632575.90        0.44608
         502521.98    3632575.90        0.46484                      502621.98
3632575.90        0.48377
         502721.98    3632575.90        0.49720                      502821.98
3632575.90        0.51264
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 395
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                 L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                 L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                 L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502921.98    3632575.90        0.49900                      503021.98
3632575.90        0.47846
         503121.98    3632575.90        0.47511                      503221.98
3632575.90        0.46837
         503321.98    3632575.90        0.44858                      503421.98
```

3632575.90 0.42636
503721.98 3632575.90 0.39033 503821.98 3632575.90 0.35737
503921.98 3632575.90 0.28469 504021.98 3632575.90 0.26897
504121.98 3632575.90 0.26810 504221.98 3632575.90 0.26603
504321.98 3632575.90 0.26019 504421.98 3632575.90 0.26947
504521.98 3632575.90 0.29788 504621.98 3632575.90 0.28766
504721.98 3632575.90 0.26376 504821.98 3632575.90 0.26757
504921.98 3632575.90 0.26238 505021.98 3632575.90 0.25641
505121.98 3632575.90 0.26046 505221.98 3632575.90 0.25982
505321.98 3632575.90 0.25951 505421.98 3632575.90 0.26365
505521.98 3632575.90 0.26765 505621.98 3632575.90 0.27421
505721.98 3632575.90 0.27815 501721.98 3632675.90 0.34330
501821.98 3632675.90 0.35918 501921.98 3632675.90 0.37594
502021.98 3632675.90 0.39359 502121.98 3632675.90 0.41208
502221.98 3632675.90 0.43142 502321.98 3632675.90 0.45157
502421.98 3632675.90 0.47242 502521.98 3632675.90 0.49382
502621.98 3632675.90 0.51553 502721.98 3632675.90 0.53737
502821.98 3632675.90 0.49747 502921.98 3632675.90 0.47840
503021.98 3632675.90 0.47124 503721.98 3632675.90 0.41733
503821.98 3632675.90 0.39189 503921.98 3632675.90 0.35292
504021.98 3632675.90 0.30801 504121.98 3632675.90 0.28910
504221.98 3632675.90 0.28090 504321.98 3632675.90 0.27881
504421.98 3632675.90 0.28423 504521.98 3632675.90 0.29140
504621.98 3632675.90 0.28892 504721.98 3632675.90 0.28503
504821.98 3632675.90 0.28605 504921.98 3632675.90 0.28198
505021.98 3632675.90 0.27938 505121.98

3632675.90   0.28101
         505221.98   3632675.90   0.28203   505321.98
3632675.90   0.28220
         505421.98   3632675.90   0.28942   505521.98
3632675.90   0.29735
         505621.98   3632675.90   0.30010   505721.98
3632675.90   0.29455
         502421.98   3632775.90   0.48681   502521.98
3632775.90   0.45833
         502621.98   3632775.90   0.49104   502721.98
3632775.90   0.57557
         502821.98   3632775.90   0.51136   502921.98
3632775.90   0.42567
         503021.98   3632775.90   0.39122   503121.98
3632775.90   0.43709
         503221.98   3632775.90   0.48078   503621.98
3632775.90   0.47844
         503721.98   3632775.90   0.45856   503821.98
3632775.90   0.40400
         503921.98   3632775.90   0.39437   504021.98
3632775.90   0.38034
         504121.98   3632775.90   0.34356   504221.98
3632775.90   0.31685
         504321.98   3632775.90   0.30584   504421.98
3632775.90   0.30690

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                               INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504521.98	3632775.90	0.30895	504621.98	3632775.90	0.30782
504721.98	3632775.90	0.30815	504821.98	3632775.90	0.30677
504921.98	3632775.90	0.30707	505021.98	3632775.90	0.30648
505121.98	3632775.90	0.30766	505221.98	3632775.90	0.30803
505321.98	3632775.90	0.31226	505421.98	3632775.90	0.31976
505521.98	3632775.90	0.32661	505621.98	3632775.90	0.32941
505721.98	3632775.90	0.32313	501721.98	3632875.90	0.37157
501821.98	3632875.90	0.39051	501921.98	3632875.90	0.41066
502021.98	3632875.90	0.43206	502121.98	3632875.90	0.45482
502221.98	3632875.90	0.47880	502321.98	3632875.90	0.50429
502421.98	3632875.90	0.53117	502521.98	3632875.90	0.55914
502621.98	3632875.90	0.58811	502721.98	3632875.90	0.61759
502821.98	3632875.90	0.55238	502921.98	3632875.90	0.42553
503021.98	3632875.90	0.31427	503121.98	3632875.90	0.39425
503221.98	3632875.90	0.55273	503321.98	3632875.90	0.57501
503421.98	3632875.90	0.56756	503621.98	3632875.90	0.52168
503721.98	3632875.90	0.49515	503821.98	3632875.90	0.42836
503921.98	3632875.90	0.37046	504021.98	3632875.90	0.36511
504121.98	3632875.90	0.35821	504221.98	3632875.90	0.34033
504321.98	3632875.90	0.33628	504421.98	3632875.90	0.33349
504521.98	3632875.90	0.33401	504621.98	3632875.90	0.33416
504721.98	3632875.90	0.33622	504821.98	3632875.90	0.33572
504921.98	3632875.90	0.33698	505021.98	3632875.90	0.33874

```
         505121.98    3632875.90        0.33947                        505221.98
3632875.90        0.34317
         505321.98    3632875.90        0.34878                        505421.98
3632875.90        0.35720
         505521.98    3632875.90        0.35753                        505621.98
3632875.90        0.35962
         505721.98    3632875.90        0.34927                        501721.98
3632975.90        0.38618
         501821.98    3632975.90        0.40690                        501921.98
3632975.90        0.42905
         502021.98    3632975.90        0.45272                        502121.98
3632975.90        0.47795
         505321.98    3632975.90        0.39359                        505421.98
3632975.90        0.39568
         505521.98    3632975.90        0.39772                        505621.98
3632975.90        0.39145
         505721.98    3632975.90        0.37748                        501721.98
3633075.90        0.40094
         501821.98    3633075.90        0.42350                        501921.98
3633075.90        0.44791
         502021.98    3633075.90        0.47404                        502121.98
3633075.90        0.50216
         505321.98    3633075.90        0.43665                        505421.98
3633075.90        0.44092
         505521.98    3633075.90        0.43852                        505621.98
3633075.90        0.42668
         505721.98    3633075.90        0.40431                        501721.98
3633175.90        0.41586
         501821.98    3633175.90        0.44046                        501921.98
3633175.90        0.46707
         502021.98    3633175.90        0.49600                        502121.98
3633175.90        0.52684
         505321.98    3633175.90        0.48484                        505421.98
3633175.90        0.47908
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 397
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
```

L0000959 , L0000960 , L0000961 , L0000962 , L0000963
, L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633175.90	0.47476	505621.98	3633175.90	0.46475
505721.98	3633175.90	0.43663	501721.98	3633275.90	0.43081
501821.98	3633275.90	0.45771	501921.98	3633275.90	0.48680
502021.98	3633275.90	0.51858	502121.98	3633275.90	0.55277
505321.98	3633275.90	0.53742	505421.98	3633275.90	0.51641
505521.98	3633275.90	0.51033	505621.98	3633275.90	0.50271
505721.98	3633275.90	0.47304	501721.98	3633375.90	0.44560
501821.98	3633375.90	0.47463	501921.98	3633375.90	0.50633
502021.98	3633375.90	0.54112	502121.98	3633375.90	0.57932
505321.98	3633375.90	0.59705	505421.98	3633375.90	0.55867
505521.98	3633375.90	0.54000	505621.98	3633375.90	0.53314
505721.98	3633375.90	0.50529	501721.98	3633475.90	0.46032
501821.98	3633475.90	0.49162	501921.98	3633475.90	0.52623
502021.98	3633475.90	0.56426	502121.98	3633475.90	0.60589
505321.98	3633475.90	0.65150	505421.98	3633475.90	0.60091
505521.98	3633475.90	0.57405	505621.98	3633475.90	0.54861
505721.98	3633475.90	0.52385	501721.98	3633575.90	0.47468
501821.98	3633575.90	0.50833	501921.98	3633575.90	0.54549
502021.98	3633575.90	0.58669	502121.98		

```
3633575.90        0.63340
         505321.98    3633575.90        0.69242                        505421.98
3633575.90        0.62468
         505521.98    3633575.90        0.59088                        505621.98
3633575.90        0.56552
         505721.98    3633575.90        0.53556                        501721.98
3633675.90        0.48865
         501821.98    3633675.90        0.52426                        501921.98
3633675.90        0.56434
         502021.98    3633675.90        0.60921                        502121.98
3633675.90        0.65975
         505321.98    3633675.90        0.70934                        505421.98
3633675.90        0.63258
         505521.98    3633675.90        0.59505                        505621.98
3633675.90        0.56712
         505721.98    3633675.90        0.54810                        501721.98
3633775.90        0.50195
         501821.98    3633775.90        0.53979                        501921.98
3633775.90        0.58236
         502021.98    3633775.90        0.63035                        502121.98
3633775.90        0.68449
         505321.98    3633775.90        0.73033                        505421.98
3633775.90        0.65750
         505521.98    3633775.90        0.60332                        505621.98
3633775.90        0.57573
         505721.98    3633775.90        0.56018                        501721.98
3633875.90        0.51411
         501821.98    3633875.90        0.55448                        501921.98
3633875.90        0.59855
         502021.98    3633875.90        0.65052                        502121.98
3633875.90        0.70850
         505321.98    3633875.90        0.74053                        505421.98
3633875.90        0.67876
         505521.98    3633875.90        0.62148                        505621.98
3633875.90        0.57422
         505721.98    3633875.90        0.55562                        501721.98
3633975.90        0.52521
         501821.98    3633975.90        0.56723                        501921.98
3633975.90        0.61477
         502021.98    3633975.90        0.66867                        502121.98
3633975.90        0.73101
         505321.98    3633975.90        0.73749                        505421.98
3633975.90        0.67355
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 398
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633975.90	0.61309	505621.98	3633975.90	0.56228
505721.98	3633975.90	0.53151	501721.98	3634075.90	0.53483
501821.98	3634075.90	0.57866	501921.98	3634075.90	0.62835
502021.98	3634075.90	0.68502	502121.98	3634075.90	0.75012
505321.98	3634075.90	0.70738	505421.98	3634075.90	0.64471
505521.98	3634075.90	0.60785	505621.98	3634075.90	0.56395
505721.98	3634075.90	0.50374	501721.98	3634175.90	0.54194
501821.98	3634175.90	0.58793	501921.98	3634175.90	0.63963
502021.98	3634175.90	0.69683	502121.98	3634175.90	0.76569
505321.98	3634175.90	0.71737	505421.98	3634175.90	0.66486
505521.98	3634175.90	0.61967	505621.98	3634175.90	0.53668
505721.98	3634175.90	0.47271	501721.98	3634275.90	0.54777
501821.98	3634275.90	0.59383	501921.98	3634275.90	0.64637
502021.98	3634275.90	0.70639	502121.98	3634275.90	0.77641

505321.98 3634275.90 0.76511 505421.98 3634275.90 0.71014
505521.98 3634275.90 0.57876 505621.98 3634275.90 0.51698
505721.98 3634275.90 0.45798 501721.98 3634375.90 0.55326
501821.98 3634375.90 0.60087 501921.98 3634375.90 0.65355
502021.98 3634375.90 0.71493 502121.98 3634375.90 0.78796
505321.98 3634375.90 0.79582 505421.98 3634375.90 0.71302
505521.98 3634375.90 0.55554 505621.98 3634375.90 0.48383
505721.98 3634375.90 0.44042 501721.98 3634475.90 0.55665
501821.98 3634475.90 0.60474 501921.98 3634475.90 0.65940
502021.98 3634475.90 0.72297 502121.98 3634475.90 0.79548
505321.98 3634475.90 0.78083 505421.98 3634475.90 0.81757
505521.98 3634475.90 0.64508 505621.98 3634475.90 0.52705
505721.98 3634475.90 0.44519 501721.98 3634575.90 0.55763
501821.98 3634575.90 0.60519 501921.98 3634575.90 0.65977
502021.98 3634575.90 0.72323 502121.98 3634575.90 0.79704
505321.98 3634575.90 0.76606 505421.98 3634575.90 0.85917
505521.98 3634575.90 0.75154 505621.98 3634575.90 0.56733
505721.98 3634575.90 0.46997 501721.98 3634675.90 0.55683
501821.98 3634675.90 0.60448 501921.98 3634675.90 0.65851
502021.98 3634675.90 0.72116 502121.98 3634675.90 0.79164
505321.98 3634675.90 0.78295 505421.98 3634675.90 0.86765
505521.98 3634675.90 0.85127 505621.98 3634675.90 0.69920
505721.98 3634675.90 0.54132 501721.98 3634775.90 0.55332
501821.98 3634775.90 0.60022 501921.98 3634775.90 0.65273
502021.98 3634775.90 0.71406 502121.98 3634775.90 0.78418

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3634775.90	0.86251	505621.98	3634775.90	0.76797
505721.98	3634775.90	0.65781	501721.98	3634875.90	0.54722
501821.98	3634875.90	0.59271	501921.98	3634875.90	0.64385
502021.98	3634875.90	0.70208	502121.98	3634875.90	0.76936
505321.98	3634875.90	0.84732	505421.98	3634875.90	0.92093
505521.98	3634875.90	0.84477	505621.98	3634875.90	0.77759
505721.98	3634875.90	0.71385	501721.98	3634975.90	0.53900
501821.98	3634975.90	0.58204	501921.98	3634975.90	0.63035
502021.98	3634975.90	0.68565	502121.98	3634975.90	0.74922
505321.98	3634975.90	0.87645	505421.98		

3634975.90 0.87457
505521.98 3634975.90 0.80597 505621.98
3634975.90 0.74627
505721.98 3634975.90 0.69322 501721.98
3635075.90 0.56872
501821.98 3635075.90 0.58166 501921.98
3635075.90 0.72686
502021.98 3635075.90 0.77132 502121.98
3635075.90 0.72537
505321.98 3635075.90 0.86715 505421.98
3635075.90 0.82441
505521.98 3635075.90 0.76169 505621.98
3635075.90 0.70792
505721.98 3635075.90 0.65834 501721.98
3635175.90 0.60848
501821.98 3635175.90 0.64021 501921.98
3635175.90 0.70738
502021.98 3635175.90 0.74369 502121.98
3635175.90 0.73145
505321.98 3635175.90 0.84352 505421.98
3635175.90 0.77816
505521.98 3635175.90 0.71989 505621.98
3635175.90 0.66906
505721.98 3635175.90 0.62457 501721.98
3635275.90 0.59668
501821.98 3635275.90 0.62850 501921.98
3635275.90 0.66384
502021.98 3635275.90 0.70167 502121.98
3635275.90 0.73066
505621.98 3635275.90 0.63403 505721.98
3635275.90 0.59292
501721.98 3635375.90 0.54873 501821.98
3635375.90 0.58024
501921.98 3635375.90 0.61104 502021.98
3635375.90 0.64452
502121.98 3635375.90 0.68443 505621.98
3635375.90 0.60801
501721.98 3635475.90 0.49713 501821.98
3635475.90 0.52431
501921.98 3635475.90 0.56334 502021.98
3635475.90 0.60199
502121.98 3635475.90 0.63655 505621.98
3635475.90 0.58505
505721.98 3635475.90 0.54798 501721.98
3635575.90 0.45496
501821.98 3635575.90 0.48226 501921.98
3635575.90 0.52097
502021.98 3635575.90 0.55233 502121.98
3635575.90 0.58067
505321.98 3635575.90 0.68296 505421.98

3635575.90   0.64093
         505521.98   3635575.90   0.59894   505621.98
3635575.90   0.56081
         505721.98   3635575.90   0.52625   501721.98
3635675.90   0.41513
         501821.98   3635675.90   0.44655   501921.98
3635675.90   0.47827
         502021.98   3635675.90   0.50602   502121.98
3635675.90   0.53141
         505321.98   3635675.90   0.65086   505421.98
3635675.90   0.60550

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         505521.98   3635675.90   0.57163   505621.98
3635675.90   0.53683
         505721.98   3635675.90   0.50509   501721.98
3635775.90   0.37920
         501821.98   3635775.90   0.41302   501921.98
3635775.90   0.44439
         502021.98   3635775.90   0.47079   502121.98
3635775.90   0.49844
         505321.98   3635775.90   0.62464   505421.98
3635775.90   0.58283

505521.98 3635775.90 0.54448 505621.98 3635775.90 0.50904
505721.98 3635775.90 0.48027 501721.98 3635875.90 0.34622
501821.98 3635875.90 0.38049 501921.98 3635875.90 0.41387
502021.98 3635875.90 0.43673 502121.98 3635875.90 0.46444
505321.98 3635875.90 0.60664 505421.98 3635875.90 0.55884
505521.98 3635875.90 0.52380 505621.98 3635875.90 0.49141
505721.98 3635875.90 0.46321 501721.98 3635975.90 0.32420
501821.98 3635975.90 0.35811 501921.98 3635975.90 0.38679
502021.98 3635975.90 0.40641 502121.98 3635975.90 0.43226
505321.98 3635975.90 0.57644 505421.98 3635975.90 0.53744
505521.98 3635975.90 0.50378 505621.98 3635975.90 0.47508
505721.98 3635975.90 0.44608 501721.98 3636075.90 0.31186
501821.98 3636075.90 0.33477 501921.98 3636075.90 0.36018
502021.98 3636075.90 0.37969 502121.98 3636075.90 0.40498
502221.98 3636075.90 0.43706 502321.98 3636075.90 0.47772
502421.98 3636075.90 0.51414 502521.98 3636075.90 0.54491
502621.98 3636075.90 0.57700 502721.98 3636075.90 0.61232
502821.98 3636075.90 0.64615 502921.98 3636075.90 0.67085
503021.98 3636075.90 0.69249 503121.98 3636075.90 0.69408
503221.98 3636075.90 0.74366 503321.98 3636075.90 0.80029
503421.98 3636075.90 0.84274 503521.98 3636075.90 0.88479
503621.98 3636075.90 0.91182 503721.98 3636075.90 0.92653
503821.98 3636075.90 0.93841 503921.98 3636075.90 0.94896
504021.98 3636075.90 0.96349 504121.98 3636075.90 0.97250
504221.98 3636075.90 0.97304 504321.98 3636075.90 0.96930

```
         504421.98    3636075.90        0.93633                        504521.98
3636075.90        0.88926
         504621.98    3636075.90        0.85971                        504721.98
3636075.90        0.82341
         504821.98    3636075.90        0.75452                        504921.98
3636075.90        0.69030
         505021.98    3636075.90        0.65325                        505121.98
3636075.90        0.61530
         505221.98    3636075.90        0.58045                        505321.98
3636075.90        0.55014
         505421.98    3636075.90        0.51252                        505521.98
3636075.90        0.48704
         505621.98    3636075.90        0.45872                        505721.98
3636075.90        0.43204
         501721.98    3636175.90        0.29011                        501821.98
3636175.90        0.31225
         501921.98    3636175.90        0.33836                        502021.98
3636175.90        0.35835
         502121.98    3636175.90        0.38268                        502221.98
3636175.90        0.41502
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 401
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         502321.98    3636175.90        0.45358                        502421.98
```

3636175.90 0.48716
502521.98 3636175.90 0.51488 502621.98
3636175.90 0.54436
502721.98 3636175.90 0.57102 502821.98
3636175.90 0.59783
502921.98 3636175.90 0.61994 503021.98
3636175.90 0.63180
503121.98 3636175.90 0.60701 503221.98
3636175.90 0.67121
503321.98 3636175.90 0.72931 503421.98
3636175.90 0.76755
503521.98 3636175.90 0.79871 503621.98
3636175.90 0.82479
503721.98 3636175.90 0.83608 503821.98
3636175.90 0.84271
503921.98 3636175.90 0.84593 504021.98
3636175.90 0.84919
504121.98 3636175.90 0.84469 504221.98
3636175.90 0.84878
504321.98 3636175.90 0.80153 504421.98
3636175.90 0.73191
504521.98 3636175.90 0.63190 504621.98
3636175.90 0.67376
504721.98 3636175.90 0.76325 504821.98
3636175.90 0.72975
504921.98 3636175.90 0.69259 505021.98
3636175.90 0.63817
505121.98 3636175.90 0.58429 505221.98
3636175.90 0.55490
505321.98 3636175.90 0.52976 505421.98
3636175.90 0.50204
505521.98 3636175.90 0.47018 505621.98
3636175.90 0.44436
505721.98 3636175.90 0.41954 501721.98
3636275.90 0.27692
501821.98 3636275.90 0.29628 501921.98
3636275.90 0.31983
502021.98 3636275.90 0.34399 502121.98
3636275.90 0.37258
502221.98 3636275.90 0.40335 502321.98
3636275.90 0.43362
502421.98 3636275.90 0.46175 502521.98
3636275.90 0.48821
502621.98 3636275.90 0.50953 502721.98
3636275.90 0.53211
502821.98 3636275.90 0.55259 502921.98
3636275.90 0.56854
503021.98 3636275.90 0.58734 503121.98
3636275.90 0.58893
503221.98 3636275.90 0.59845 503321.98

3636275.90   0.63825
         503421.98   3636275.90   0.68377   503521.98
3636275.90   0.71680
         503621.98   3636275.90   0.73888   503721.98
3636275.90   0.75030
         503821.98   3636275.90   0.75548   503921.98
3636275.90   0.75433
         504021.98   3636275.90   0.74291   504121.98
3636275.90   0.71817
         504221.98   3636275.90   0.65312   504321.98
3636275.90   0.53770
         504421.98   3636275.90   0.51719   504521.98
3636275.90   0.49473
         504621.98   3636275.90   0.52828   504721.98
3636275.90   0.59199
         504821.98   3636275.90   0.53613   504921.98
3636275.90   0.62574
         505021.98   3636275.90   0.60733   505121.98
3636275.90   0.55629
         505221.98   3636275.90   0.52952   505321.98
3636275.90   0.50957
         505421.98   3636275.90   0.48585   505521.98
3636275.90   0.45584
         505621.98   3636275.90   0.43173   505721.98
3636275.90   0.40937
         501721.98   3636375.90   0.26381   501821.98
3636375.90   0.28352
         501921.98   3636375.90   0.30883   502021.98
3636375.90   0.33070

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502121.98	3636375.90	0.35763	502221.98	3636375.90	0.38356
502321.98	3636375.90	0.40854	502421.98	3636375.90	0.43683
502521.98	3636375.90	0.46033	502621.98	3636375.90	0.48257
502721.98	3636375.90	0.49604	502821.98	3636375.90	0.50669
502921.98	3636375.90	0.51597	503021.98	3636375.90	0.52541
503121.98	3636375.90	0.52621	503221.98	3636375.90	0.52667
503321.98	3636375.90	0.55531	503421.98	3636375.90	0.61252
503521.98	3636375.90	0.63929	503621.98	3636375.90	0.65589
503721.98	3636375.90	0.67106	503821.98	3636375.90	0.67904
503921.98	3636375.90	0.65718	504021.98	3636375.90	0.64105
504121.98	3636375.90	0.60154	504221.98	3636375.90	0.52877
504321.98	3636375.90	0.47417	504421.98	3636375.90	0.45484
504521.98	3636375.90	0.44773	504621.98	3636375.90	0.46200
504721.98	3636375.90	0.48686	504821.98	3636375.90	0.44701
504921.98	3636375.90	0.44239	505021.98	3636375.90	0.55567
505121.98	3636375.90	0.54355	505221.98	3636375.90	0.51544
505321.98	3636375.90	0.49111	505421.98	3636375.90	0.46596
505521.98	3636375.90	0.44320	505621.98	3636375.90	0.42038
505721.98	3636375.90	0.39904	501721.98	3636475.90	0.24623
501821.98	3636475.90	0.26630	501921.98	3636475.90	0.29595
502021.98	3636475.90	0.31434	502121.98	3636475.90	0.33632

```
         502221.98    3636475.90        0.36264                        502321.98
3636475.90        0.39006
         502421.98    3636475.90        0.41551                        502521.98
3636475.90        0.43455
         502621.98    3636475.90        0.45212                        502721.98
3636475.90        0.46288
         502821.98    3636475.90        0.46199                        502921.98
3636475.90        0.46880
         503021.98    3636475.90        0.47004                        503121.98
3636475.90        0.46576
         503221.98    3636475.90        0.46570                        503321.98
3636475.90        0.49807
         503421.98    3636475.90        0.53687                        503521.98
3636475.90        0.56670
         503621.98    3636475.90        0.58232                        503721.98
3636475.90        0.59974
         503821.98    3636475.90        0.59163                        503921.98
3636475.90        0.57175
         504021.98    3636475.90        0.47519                        504121.98
3636475.90        0.48853
         504221.98    3636475.90        0.48489                        504321.98
3636475.90        0.42951
         504421.98    3636475.90        0.41479                        504521.98
3636475.90        0.40873
         504621.98    3636475.90        0.40504                        504721.98
3636475.90        0.40170
         504821.98    3636475.90        0.39447                        504921.98
3636475.90        0.41221
         505021.98    3636475.90        0.50483                        505121.98
3636475.90        0.52217
         505221.98    3636475.90        0.49477                        505321.98
3636475.90        0.47120
         505421.98    3636475.90        0.44674                        505521.98
3636475.90        0.42644
         505621.98    3636475.90        0.40712                        505721.98
3636475.90        0.38722
```



```
                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                 L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
```

```
                 L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                 L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502721.98    3633475.90        0.43440                      502771.98
3633475.90        0.44844
         502821.98    3633475.90        0.46302                      502871.98
3633475.90        0.47844
         502921.98    3633475.90        0.49481                      502971.98
3633475.90        0.51150
         503021.98    3633475.90        0.52888                      503071.98
3633475.90        0.54729
         503121.98    3633475.90        0.56619                      503171.98
3633475.90        0.58565
         503221.98    3633475.90        0.60730                      503271.98
3633475.90        0.62902
         503321.98    3633475.90        0.61105                      503371.98
3633475.90        0.44076
         503421.98    3633475.90        0.44968                      503471.98
3633475.90        0.46375
         503521.98    3633475.90        0.48904                      503621.98
3633475.90        0.49661
         503671.98    3633475.90        0.44815                      503721.98
3633475.90        0.41718
         503771.98    3633475.90        0.42485                      503821.98
3633475.90        0.40918
         503871.98    3633475.90        0.41290                      503921.98
3633475.90        0.44896
         503971.98    3633475.90        0.45755                      504021.98
3633475.90        0.44148
         504071.98    3633475.90        0.45525                      504121.98
3633475.90        0.48442
         504171.98    3633475.90        0.47309                      504221.98
3633475.90        0.49468
         504271.98    3633475.90        0.52423                      504321.98
3633475.90        0.53362
         504371.98    3633475.90        0.48506                      504421.98
3633475.90        0.44858
         504471.98    3633475.90        0.42651                      504521.98
```

```
3633475.90        0.42041
         504571.98    3633475.90        0.43648                        504621.98
3633475.90        0.46006
         504671.98    3633475.90        0.47407                        504721.98
3633475.90        0.49780
         502721.98    3633525.90        0.44360                        502771.98
3633525.90        0.45829
         502821.98    3633525.90        0.47376                        502871.98
3633525.90        0.49023
         502921.98    3633525.90        0.50745                        502971.98
3633525.90        0.52521
         503021.98    3633525.90        0.54391                        503071.98
3633525.90        0.56344
         503121.98    3633525.90        0.58351                        503171.98
3633525.90        0.60507
         503221.98    3633525.90        0.62802                        503271.98
3633525.90        0.65241
         503321.98    3633525.90        0.67706                        503371.98
3633525.90        0.59861
         503421.98    3633525.90        0.57662                        503471.98
3633525.90        0.57828
         503521.98    3633525.90        0.55813                        503621.98
3633525.90        0.60972
         503671.98    3633525.90        0.56154                        503721.98
3633525.90        0.56130
         503771.98    3633525.90        0.51084                        503821.98
3633525.90        0.46857
         503871.98    3633525.90        0.49029                        503921.98
3633525.90        0.53309
         503971.98    3633525.90        0.52357                        504021.98
3633525.90        0.49945
         504071.98    3633525.90        0.51880                        504121.98
3633525.90        0.55833
         504171.98    3633525.90        0.57209                        504221.98
3633525.90        0.59097
         504271.98    3633525.90        0.58542                        504321.98
3633525.90        0.51067
         504371.98    3633525.90        0.48309                        504421.98
3633525.90        0.45987
         504471.98    3633525.90        0.44918                        504521.98
3633525.90        0.46721
         504571.98    3633525.90        0.49756                        504621.98
3633525.90        0.52264
         504671.98    3633525.90        0.53043                        504721.98
3633525.90        0.53253
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633575.90	0.45277	502771.98	3633575.90	0.46821
502821.98	3633575.90	0.48470	502871.98	3633575.90	0.50213
502921.98	3633575.90	0.52015	502971.98	3633575.90	0.53921
503021.98	3633575.90	0.55948	503071.98	3633575.90	0.58040
503121.98	3633575.90	0.60198	503171.98	3633575.90	0.62526
503221.98	3633575.90	0.65019	503271.98	3633575.90	0.67643
503321.98	3633575.90	0.70385	503371.98	3633575.90	0.73184
503421.98	3633575.90	0.71009	503471.98	3633575.90	0.70158
503521.98	3633575.90	0.74031	503621.98	3633575.90	0.64961
503671.98	3633575.90	0.66046	503721.98	3633575.90	0.67718
503771.98	3633575.90	0.61228	503821.98	3633575.90	0.57703
503871.98	3633575.90	0.61814	503921.98	3633575.90	0.63184
503971.98	3633575.90	0.60659	504021.98	3633575.90	0.60945

504071.98 3633575.90 0.60632 504121.98
3633575.90 0.64126
504171.98 3633575.90 0.66289 504221.98
3633575.90 0.69095
504271.98 3633575.90 0.61473 504321.98
3633575.90 0.53566
504371.98 3633575.90 0.50994 504421.98
3633575.90 0.48307
504471.98 3633575.90 0.48800 504521.98
3633575.90 0.52760
504571.98 3633575.90 0.57158 504621.98
3633575.90 0.56938
504671.98 3633575.90 0.56748 504721.98
3633575.90 0.56862
502721.98 3633625.90 0.46225 502771.98
3633625.90 0.47848
502821.98 3633625.90 0.49558 502871.98
3633625.90 0.51376
502921.98 3633625.90 0.53294 502971.98
3633625.90 0.55343
503021.98 3633625.90 0.57513 503071.98
3633625.90 0.59735
503121.98 3633625.90 0.62086 503171.98
3633625.90 0.64615
503221.98 3633625.90 0.67290 503271.98
3633625.90 0.70176
503321.98 3633625.90 0.73191 503371.98
3633625.90 0.76307
503421.98 3633625.90 0.79547 503471.98
3633625.90 0.77363
503521.98 3633625.90 0.79411 503621.98
3633625.90 0.74371
503671.98 3633625.90 0.70716 503721.98
3633625.90 0.75117
503771.98 3633625.90 0.66598 503821.98
3633625.90 0.66564
503871.98 3633625.90 0.69904 503921.98
3633625.90 0.69343
503971.98 3633625.90 0.70025 504021.98
3633625.90 0.68722
504071.98 3633625.90 0.68382 504121.98
3633625.90 0.73596
504171.98 3633625.90 0.76285 504221.98
3633625.90 0.76227
504271.98 3633625.90 0.69416 504321.98
3633625.90 0.62993
504371.98 3633625.90 0.57074 504421.98
3633625.90 0.54255
504471.98 3633625.90 0.54556 504521.98
3633625.90 0.60963

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                  L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                  L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                  L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502721.98   3633675.90   0.47170   502771.98
3633675.90   0.48867
         502821.98   3633675.90   0.50661   502871.98
3633675.90   0.52570
         502921.98   3633675.90   0.54631   502971.98
3633675.90   0.56795
         503021.98   3633675.90   0.59089   503071.98
3633675.90   0.61475
         503121.98   3633675.90   0.64030   503171.98
3633675.90   0.66752
         503221.98   3633675.90   0.69659   503271.98
3633675.90   0.72775
         503321.98   3633675.90   0.76093   503371.98
3633675.90   0.79548
         503421.98   3633675.90   0.83205   503471.98
3633675.90   0.87036
         503521.98   3633675.90   0.91048   503571.98

3633675.90 0.78946
503671.98 3633675.90 0.77676 503721.98
3633675.90 0.80509
503771.98 3633675.90 0.80499 503821.98
3633675.90 0.78348
503871.98 3633675.90 0.77453 503921.98
3633675.90 0.78706
503971.98 3633675.90 0.78276 504021.98
3633675.90 0.77725
504071.98 3633675.90 0.79752 504121.98
3633675.90 0.84008
504171.98 3633675.90 0.87410 504221.98
3633675.90 0.87801
504271.98 3633675.90 0.81531 504321.98
3633675.90 0.72240
504371.98 3633675.90 0.64672 504421.98
3633675.90 0.62223
504471.98 3633675.90 0.65878 504521.98
3633675.90 0.69770
504571.98 3633675.90 0.69467 504621.98
3633675.90 0.69629
504671.98 3633675.90 0.69594 504721.98
3633675.90 0.69708
502721.98 3633725.90 0.48112 502771.98
3633725.90 0.49900
502821.98 3633725.90 0.51775 502871.98
3633725.90 0.53801
502921.98 3633725.90 0.56004 502971.98
3633725.90 0.58281
503021.98 3633725.90 0.60647 503071.98
3633725.90 0.63253
503121.98 3633725.90 0.66001 503171.98
3633725.90 0.68937
503221.98 3633725.90 0.72093 503271.98
3633725.90 0.75438
503321.98 3633725.90 0.79024 503371.98
3633725.90 0.82829
503421.98 3633725.90 0.86885 503471.98
3633725.90 0.91344
503521.98 3633725.90 0.95897 503571.98
3633725.90 1.00657
503721.98 3633725.90 0.95094 503771.98
3633725.90 0.90739
503821.98 3633725.90 0.91193 503871.98
3633725.90 0.88541
503921.98 3633725.90 0.89042 503971.98
3633725.90 0.86651
504021.98 3633725.90 0.87225 504071.98
3633725.90 0.90269
504121.98 3633725.90 0.98006 504171.98

3633725.90   0.99522
         504221.98   3633725.90   0.98217   504271.98
3633725.90   0.98816
         504321.98   3633725.90   0.84922   504371.98
3633725.90   0.76469
         504421.98   3633725.90   0.74581   504471.98
3633725.90   0.77563
         504521.98   3633725.90   0.78391   504571.98
3633725.90   0.77529
         504621.98   3633725.90   0.81186   504671.98
3633725.90   0.80066
         504721.98   3633725.90   0.77822   502721.98
3633775.90   0.49036

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                                    INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
                                       L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
                                       L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
                                       L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                     **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

503171.98 3633775.90 0.71163 503221.98 3633775.90 0.74556
503271.98 3633775.90 0.78220 503321.98 3633775.90 0.82137
503371.98 3633775.90 0.86335 503421.98 3633775.90 0.90854
503471.98 3633775.90 0.95755 503771.98 3633775.90 1.02592
503821.98 3633775.90 1.02995 503871.98 3633775.90 1.03807
503921.98 3633775.90 0.98996 503971.98 3633775.90 0.96742
504021.98 3633775.90 0.98966 504071.98 3633775.90 1.14480
504121.98 3633775.90 1.16116 504171.98 3633775.90 1.18206
504221.98 3633775.90 1.15577 504271.98 3633775.90 1.10791
504321.98 3633775.90 0.98884 504371.98 3633775.90 0.92782
504421.98 3633775.90 0.91394 504471.98 3633775.90 0.88046
504521.98 3633775.90 0.93231 504571.98 3633775.90 0.98584
504621.98 3633775.90 0.96344 504671.98 3633775.90 0.92849
504721.98 3633775.90 0.89825 502721.98 3633825.90 0.49961
502771.98 3633825.90 0.51917 502821.98 3633825.90 0.54008
502871.98 3633825.90 0.56234 502921.98 3633825.90 0.58674
502971.98 3633825.90 0.61237 503021.98 3633825.90 0.63953
503071.98 3633825.90 0.66879 503121.98 3633825.90 0.70030
503171.98 3633825.90 0.73445 503221.98 3633825.90 0.77126
503271.98 3633825.90 0.81110 503771.98 3633825.90 1.22847
503821.98 3633825.90 1.26243 503871.98 3633825.90 1.20224
503921.98 3633825.90 1.11368 503971.98 3633825.90 1.11916
504021.98 3633825.90 1.31459 504071.98 3633825.90 1.33065
504121.98 3633825.90 1.36914 504171.98 3633825.90 1.42858
504221.98 3633825.90 1.38056 504271.98 3633825.90 1.33589

```
         504321.98    3633825.90        1.28527                        504371.98
3633825.90        1.21584
         504421.98    3633825.90        1.14121                        504471.98
3633825.90        1.11392
         504521.98    3633825.90        1.12559                        504571.98
3633825.90        1.16020
         504621.98    3633825.90        1.10699                        504671.98
3633825.90        1.06003
         504721.98    3633825.90        1.04769                        502721.98
3633875.90        0.50854
         502771.98    3633875.90        0.52903                        502821.98
3633875.90        0.55086
         502871.98    3633875.90        0.57413                        502921.98
3633875.90        0.60011
         502971.98    3633875.90        0.62697                        503021.98
3633875.90        0.65590
         503071.98    3633875.90        0.68729                        503121.98
3633875.90        0.72066
         503171.98    3633875.90        0.75724                        503221.98
3633875.90        0.79700
         503271.98    3633875.90        0.84024                        503821.98
3633875.90        1.42568
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 407
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- -
503871.98 3633875.90 1.34470 503921.98
3633875.90 1.34130
503971.98 3633875.90 1.56804 504021.98
3633875.90 1.59947
504071.98 3633875.90 1.55835 504121.98
3633875.90 1.66311
504171.98 3633875.90 1.63707 504221.98
3633875.90 1.60758
504271.98 3633875.90 1.55249 504321.98
3633875.90 1.45231
504371.98 3633875.90 1.40141 504421.98
3633875.90 1.33453
504471.98 3633875.90 1.32261 504521.98
3633875.90 1.36519
504571.98 3633875.90 1.35401 504621.98
3633875.90 1.30145
504671.98 3633875.90 1.17137 504721.98
3633875.90 1.16815
502721.98 3633925.90 0.51721 502771.98
3633925.90 0.53841
502821.98 3633925.90 0.56123 502871.98
3633925.90 0.58598
502921.98 3633925.90 0.61289 502971.98
3633925.90 0.64093
503021.98 3633925.90 0.67164 503071.98
3633925.90 0.70507
503121.98 3633925.90 0.74096 503171.98
3633925.90 0.77991
503221.98 3633925.90 0.82228 503271.98
3633925.90 0.86904
503821.98 3633925.90 1.66471 503871.98
3633925.90 1.66948
503921.98 3633925.90 1.76790 503971.98
3633925.90 2.02153
504021.98 3633925.90 1.95302 504071.98
3633925.90 2.00039
504121.98 3633925.90 1.96564 504171.98
3633925.90 1.98404
504221.98 3633925.90 1.96042 504271.98
3633925.90 1.86976
504321.98 3633925.90 1.82231 504371.98
3633925.90 1.71237
504421.98 3633925.90 1.68318 504471.98
3633925.90 1.62978
504521.98 3633925.90 1.56570 504571.98
3633925.90 1.45033
504621.98 3633925.90 1.37153 504671.98
3633925.90 1.31971
504721.98 3633925.90 1.27253 502721.98

```
3633975.90        0.52570
         502771.98    3633975.90        0.54756                        502821.98
3633975.90        0.57106
         502871.98    3633975.90        0.59721                        502921.98
3633975.90        0.62519
         502971.98    3633975.90        0.65461                        503021.98
3633975.90        0.68698
         503071.98    3633975.90        0.72210                        503121.98
3633975.90        0.76039
         503171.98    3633975.90        0.80204                        503221.98
3633975.90        0.84768
         503271.98    3633975.90        0.89802                        503821.98
3633975.90        2.04435
         503871.98    3633975.90        2.10442                        503921.98
3633975.90        2.38400
         503971.98    3633975.90        2.52030                        504021.98
3633975.90        2.57397
         504071.98    3633975.90        2.43024                        504121.98
3633975.90        2.47610
         504171.98    3633975.90        2.43659                        504221.98
3633975.90        2.28131
         504271.98    3633975.90        2.19441                        504321.98
3633975.90        2.16324
         504371.98    3633975.90        2.01744                        504421.98
3633975.90        1.95750
         504471.98    3633975.90        1.77622                        504521.98
3633975.90        1.59996
         504571.98    3633975.90        1.53155                        504621.98
3633975.90        1.46491
         504671.98    3633975.90        1.38541                        504721.98
3633975.90        1.28787
```


 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
                                      L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
                                      L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
                                      L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3634025.90	0.53449	502771.98	3634025.90	0.55743
502821.98	3634025.90	0.58161	502871.98	3634025.90	0.60802
502921.98	3634025.90	0.63652	502971.98	3634025.90	0.66774
503021.98	3634025.90	0.70210	503071.98	3634025.90	0.73862
503121.98	3634025.90	0.77901	503171.98	3634025.90	0.82344
503221.98	3634025.90	0.87221	503271.98	3634025.90	0.92609
503871.98	3634025.90	2.56786	503921.98	3634025.90	2.81273
503971.98	3634025.90	3.01021	504021.98	3634025.90	3.15441
504071.98	3634025.90	3.22185	504121.98	3634025.90	3.20094
504171.98	3634025.90	2.85488	504221.98	3634025.90	2.75206
504271.98	3634025.90	2.61009	504321.98	3634025.90	2.52599
504371.98	3634025.90	2.33963	504421.98	3634025.90	2.01704
504471.98	3634025.90	1.84918	504521.98	3634025.90	1.75147
504571.98	3634025.90	1.64152	504621.98	3634025.90	1.49720
504671.98	3634025.90	1.39719	504721.98	3634025.90	1.31179
502721.98	3634075.90	0.54253	502771.98	3634075.90	0.56532
502821.98	3634075.90	0.59057	502871.98	3634075.90	0.61835
502921.98	3634075.90	0.64806	502971.98	3634075.90	0.68028
503021.98	3634075.90	0.71604	503071.98	3634075.90	0.75469
503121.98	3634075.90	0.79705	503171.98	3634075.90	0.84390

```
         503221.98    3634075.90        0.89552                      503271.98
3634075.90        0.95313
         503871.98    3634075.90        3.04210                      503921.98
3634075.90        3.43640
         503971.98    3634075.90        3.77174                      504021.98
3634075.90        3.96370
         504071.98    3634075.90        4.02998                      504121.98
3634075.90        3.98616
         504171.98    3634075.90        3.59254                      504221.98
3634075.90        3.42003
         504271.98    3634075.90        3.26180                      504321.98
3634075.90        2.95591
         504371.98    3634075.90        2.52267                      504421.98
3634075.90        2.25716
         504471.98    3634075.90        2.02578                      504521.98
3634075.90        1.81281
         504571.98    3634075.90        1.64115                      504621.98
3634075.90        1.46115
         504671.98    3634075.90        1.39347                      504721.98
3634075.90        1.36196
         502721.98    3634125.90        0.55000                      502771.98
3634125.90        0.57317
         502821.98    3634125.90        0.59931                      502871.98
3634125.90        0.62811
         502921.98    3634125.90        0.65863                      502971.98
3634125.90        0.69210
         503021.98    3634125.90        0.72925                      503071.98
3634125.90        0.76948
         503121.98    3634125.90        0.81397                      503171.98
3634125.90        0.86332
         503221.98    3634125.90        0.91710                      503271.98
3634125.90        0.97863
         503921.98    3634125.90        4.42586                      503971.98
3634125.90        5.09050
         504021.98    3634125.90        5.40779                      504071.98
3634125.90        5.36578
         504121.98    3634125.90        5.18435                      504171.98
3634125.90        4.89330
         504221.98    3634125.90        4.43361                      504271.98
3634125.90        4.01390
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 409
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
```

INCLUDING SOURCE(S): L0000995 , L0000996
, L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004
, L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012
, L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020
, L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3634125.90	3.51395	504371.98	3634125.90	3.02220
504421.98	3634125.90	2.54847	504471.98	3634125.90	2.08427
504521.98	3634125.90	1.88076	504571.98	3634125.90	1.67610
504621.98	3634125.90	1.52757	504671.98	3634125.90	1.48715
504721.98	3634125.90	1.42244	502721.98	3634175.90	0.55577
502771.98	3634175.90	0.58051	502821.98	3634175.90	0.60764
502871.98	3634175.90	0.63718	502921.98	3634175.90	0.66859
502971.98	3634175.90	0.70315	503021.98	3634175.90	0.74164
503071.98	3634175.90	0.78320	503121.98	3634175.90	0.82928
503171.98	3634175.90	0.88012	503221.98	3634175.90	0.93620
503271.98	3634175.90	1.00047	503971.98	3634175.90	8.13596
504021.98	3634175.90	8.53295	504071.98	3634175.90	7.91092
504121.98	3634175.90	7.08072	504171.98	3634175.90	6.37820
504221.98	3634175.90	5.73723	504271.98	3634175.90	5.10599
504321.98	3634175.90	4.47605	504371.98	3634175.90	3.11854
504421.98	3634175.90	2.32808	504471.98		

```
3634175.90        2.14696
         504521.98    3634175.90        1.97644                        504571.98
3634175.90        1.71510
         504621.98    3634175.90        1.56735                        504671.98
3634175.90        1.48835
         504721.98    3634175.90        1.38873                        502721.98
3634225.90        0.56193
         502771.98    3634225.90        0.58775                        502821.98
3634225.90        0.61575
         502871.98    3634225.90        0.64583                        502921.98
3634225.90        0.67789
         502971.98    3634225.90        0.71339                        503021.98
3634225.90        0.75293
         503071.98    3634225.90        0.79587                        503121.98
3634225.90        0.84339
         503171.98    3634225.90        0.89596                        503221.98
3634225.90        0.95492
         503271.98    3634225.90        1.02203                        504071.98
3634225.90       12.88648
         504121.98    3634225.90       10.16169                        504171.98
3634225.90        8.44109
         504221.98    3634225.90        7.28029                        504271.98
3634225.90        6.25350
         504321.98    3634225.90        5.36328                        504371.98
3634225.90        3.36835
         504421.98    3634225.90        2.52530                        504471.98
3634225.90        2.33467
         504521.98    3634225.90        2.13530                        504571.98
3634225.90        1.88132
         504621.98    3634225.90        1.69053                        504671.98
3634225.90        1.55207
         504721.98    3634225.90        1.44345                        502721.98
3634275.90        0.56799
         502771.98    3634275.90        0.59392                        502821.98
3634275.90        0.62259
         502871.98    3634275.90        0.65433                        502921.98
3634275.90        0.68674
         502971.98    3634275.90        0.72258                        503021.98
3634275.90        0.76338
         503071.98    3634275.90        0.80743                        503121.98
3634275.90        0.85617
         503171.98    3634275.90        0.91073                        503221.98
3634275.90        0.97180
         503271.98    3634275.90        1.04170                        504121.98
3634275.90       15.36043
         504171.98    3634275.90       11.59059                        504221.98
3634275.90        8.94092
         504271.98    3634275.90        7.57126                        504321.98
3634275.90        6.15092
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                                INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
                                 L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
                                 L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
                                 L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

504321.98 3634325.90 7.67899 504371.98
3634325.90 5.74344
504421.98 3634325.90 3.84452 504471.98
3634325.90 3.08785
504521.98 3634325.90 2.56578 504571.98
3634325.90 2.21583
504621.98 3634325.90 1.98438 504671.98
3634325.90 1.82231
504721.98 3634325.90 1.71288 502721.98
3634375.90 0.57408
502771.98 3634375.90 0.60159 502821.98
3634375.90 0.63047
503021.98 3634375.90 0.77905 503071.98
3634375.90 0.82647
503121.98 3634375.90 0.87732 503171.98
3634375.90 0.93380
503221.98 3634375.90 0.99815 503271.98
3634375.90 1.07117
504221.98 3634375.90 17.25063 504271.98
3634375.90 12.72097
504321.98 3634375.90 10.31478 504371.98
3634375.90 6.45467
504421.98 3634375.90 3.98111 504471.98
3634375.90 3.18350
504521.98 3634375.90 2.74771 504571.98
3634375.90 2.44151
504621.98 3634375.90 2.21339 504671.98
3634375.90 2.03409
504721.98 3634375.90 1.89211 502721.98
3634425.90 0.57919
502771.98 3634425.90 0.60619 502821.98
3634425.90 0.63538
504271.98 3634425.90 18.54063 504321.98
3634425.90 13.59279
504371.98 3634425.90 8.58753 504421.98
3634425.90 5.01029
504471.98 3634425.90 3.76834 504521.98
3634425.90 3.17958
504571.98 3634425.90 2.84516 504621.98
3634425.90 2.58651
504671.98 3634425.90 2.34277 504721.98
3634425.90 2.13047
502721.98 3634475.90 0.58501 502771.98
3634475.90 0.61334
502821.98 3634475.90 0.64339 504321.98
3634475.90 19.37018
504371.98 3634475.90 13.97935 504421.98
3634475.90 9.02274
504471.98 3634475.90 5.39621 504521.98
3634475.90 4.24722

```
         504571.98    3634475.90        3.69707                      504621.98
3634475.90        3.30430
         504671.98    3634475.90        2.81954                      504721.98
3634475.90        2.45860
         502721.98    3634525.90        0.58900                      502771.98
3634525.90        0.61646
         504371.98    3634525.90       19.99594                      504421.98
3634525.90       14.59531
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 411
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                 INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                 L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                 L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                 L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         504471.98    3634525.90       10.81893                      504521.98
3634525.90        7.90729
         504571.98    3634525.90        6.19320                      504621.98
3634525.90        4.78675
         504671.98    3634525.90        3.59654                      504721.98
3634525.90        2.96921
         502721.98    3634575.90        0.59097                      502771.98
3634575.90        0.61884
         504421.98    3634575.90       20.59828                      504471.98
3634575.90       15.02004
         504521.98    3634575.90       11.81892                      504571.98
3634575.90        9.45909
         504621.98    3634575.90        7.07015                      504671.98
```

```
3634575.90        5.05634
         504721.98    3634575.90        3.93597                    502721.98
3634625.90        0.59226
         502771.98    3634625.90        0.61984                    502821.98
3634625.90        0.65042
         502871.98    3634625.90        0.68284                    502921.98
3634625.90        0.71789
         502971.98    3634625.90        0.75642                    503021.98
3634625.90        0.79867
         503071.98    3634625.90        0.84508                    503121.98
3634625.90        0.89597
         504471.98    3634625.90       21.25728                    504521.98
3634625.90       15.35913
         504571.98    3634625.90       12.03225                    504621.98
3634625.90        9.85994
         504671.98    3634625.90        8.38138                    504721.98
3634625.90        6.21478
         502721.98    3634675.90        0.59296                    502771.98
3634675.90        0.62062
         502821.98    3634675.90        0.65089                    502871.98
3634675.90        0.68316
         502921.98    3634675.90        0.71802                    502971.98
3634675.90        0.75646
         503021.98    3634675.90        0.79772                    503071.98
3634675.90        0.84312
         503121.98    3634675.90        0.89424                    503171.98
3634675.90        0.95132
         503221.98    3634675.90        1.01308                    503271.98
3634675.90        1.07865
         503321.98    3634675.90        1.15575                    503371.98
3634675.90        1.24312
         503421.98    3634675.90        1.34213                    503471.98
3634675.90        1.45846
         503521.98    3634675.90        1.57846                    504521.98
3634675.90       21.69842
         504571.98    3634675.90       15.57639                    504621.98
3634675.90       12.13725
         504671.98    3634675.90        9.94147                    504721.98
3634675.90        8.42862
         502721.98    3634725.90        0.59287                    502771.98
3634725.90        0.62029
         502821.98    3634725.90        0.64991                    502871.98
3634725.90        0.68244
         502921.98    3634725.90        0.71686                    502971.98
3634725.90        0.75445
         503021.98    3634725.90        0.79541                    503071.98
3634725.90        0.83990
         503121.98    3634725.90        0.88986                    503171.98
3634725.90        0.94515
         503221.98    3634725.90        1.00480                    503271.98
```

```
3634725.90        1.07038
         503321.98    3634725.90        1.14547                       503371.98
3634725.90        1.22990
         503421.98    3634725.90        1.32501                       503471.98
3634725.90        1.43470
         503521.98    3634725.90        1.55625                       503571.98
3634725.90        1.68972
         503621.98    3634725.90        1.84004                       504571.98
3634725.90       21.98655
         504621.98    3634725.90       15.61006                       504671.98
3634725.90       12.07441
         504721.98    3634725.90        9.88323                       502721.98
3634775.90        0.59203
         502771.98    3634775.90        0.61892                       502821.98
3634775.90        0.64838
         502871.98    3634775.90        0.68036                       502921.98
3634775.90        0.71445
```



```
                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                 INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502971.98    3634775.90        0.75107                       503021.98
3634775.90        0.79171
         503071.98    3634775.90        0.83558                       503121.98
3634775.90        0.88379
```

503171.98 3634775.90 0.93721 503221.98
3634775.90 0.99474
503271.98 3634775.90 1.05909 503321.98
3634775.90 1.13103
503371.98 3634775.90 1.21138 503421.98
3634775.90 1.30241
503471.98 3634775.90 1.40668 503521.98
3634775.90 1.52043
503571.98 3634775.90 1.64888 503621.98
3634775.90 1.79544
503671.98 3634775.90 1.96330 503721.98
3634775.90 2.15216
503771.98 3634775.90 2.36477 503821.98
3634775.90 2.59512
504621.98 3634775.90 21.52397 504671.98
3634775.90 15.23215
504721.98 3634775.90 11.85094 502721.98
3634825.90 0.59025
502771.98 3634825.90 0.61730 502821.98
3634825.90 0.64610
502871.98 3634825.90 0.67703 502921.98
3634825.90 0.71101
502971.98 3634825.90 0.74716 503021.98
3634825.90 0.78679
503071.98 3634825.90 0.82921 503121.98
3634825.90 0.87655
503171.98 3634825.90 0.92727 503221.98
3634825.90 0.98370
503271.98 3634825.90 1.04615 503321.98
3634825.90 1.11589
503371.98 3634825.90 1.19491 503421.98
3634825.90 1.28178
503471.98 3634825.90 1.37814 503521.98
3634825.90 1.48526
503571.98 3634825.90 1.60437 503621.98
3634825.90 1.74053
503671.98 3634825.90 1.89364 503721.98
3634825.90 2.06598
503771.98 3634825.90 2.26050 503821.98
3634825.90 2.48178
503871.98 3634825.90 2.73377 503921.98
3634825.90 3.02072
504671.98 3634825.90 20.42846 504721.98
3634825.90 14.70273
502721.98 3634875.90 0.58771 502771.98
3634875.90 0.61423
502821.98 3634875.90 0.64260 502871.98
3634875.90 0.67279
502921.98 3634875.90 0.70621 502971.98
3634875.90 0.74182

```
         503021.98    3634875.90        0.78054                       503071.98
3634875.90        0.82233
         503121.98    3634875.90        0.86813                       503171.98
3634875.90        0.91677
         503221.98    3634875.90        0.97186                       503271.98
3634875.90        1.03378
         503321.98    3634875.90        1.10127                       503371.98
3634875.90        1.17482
         503421.98    3634875.90        1.25670                       503471.98
3634875.90        1.34781
         503521.98    3634875.90        1.44835                       503571.98
3634875.90        1.56044
         503621.98    3634875.90        1.68543                       503671.98
3634875.90        1.82550
         503721.98    3634875.90        1.98240                       503771.98
3634875.90        2.15825
         503821.98    3634875.90        2.35601                       503871.98
3634875.90        2.57899
         503921.98    3634875.90        2.82899                       504721.98
3634875.90       19.18482
         502721.98    3634925.90        0.58464                       502771.98
3634925.90        0.61046
         502821.98    3634925.90        0.63841                       502871.98
3634925.90        0.66797
         502921.98    3634925.90        0.70054                       502971.98
3634925.90        0.73541
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 413
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                 INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503021.98	3634925.90	0.77311	503071.98	3634925.90	0.81390
503121.98	3634925.90	0.85840	503171.98	3634925.90	0.90674
503221.98	3634925.90	0.96007	503271.98	3634925.90	1.01854
503321.98	3634925.90	1.08260	503371.98	3634925.90	1.15301
503421.98	3634925.90	1.23066	503471.98	3634925.90	1.31614
503521.98	3634925.90	1.41046	503571.98	3634925.90	1.51478
503621.98	3634925.90	1.63038	503671.98	3634925.90	1.75908
503721.98	3634925.90	1.90214	503771.98	3634925.90	2.06089
503821.98	3634925.90	2.23715	503871.98	3634925.90	2.42931
502721.98	3634975.90	0.58103	502771.98	3634975.90	0.60616
502821.98	3634975.90	0.63345	502871.98	3634975.90	0.66288
502921.98	3634975.90	0.69482	502971.98	3634975.90	0.72779
503021.98	3634975.90	0.76460	503071.98	3634975.90	0.80456
503121.98	3634975.90	0.84787	503171.98	3634975.90	0.89311
503221.98	3634975.90	0.94384	503271.98	3634975.90	1.00015
503321.98	3634975.90	1.06117	503371.98	3634975.90	1.12837
503421.98	3634975.90	1.20341	503471.98	3634975.90	1.28359
503521.98	3634975.90	1.37227	503571.98	3634975.90	1.46938
503621.98	3634975.90	1.57631	503671.98	3634975.90	1.69477
503721.98	3634975.90	1.82559	503771.98	3634975.90	2.01524
503821.98	3634975.90	2.17064	503871.98	3634975.90	2.26885
502721.98	3635025.90	0.57691	502771.98	3635025.90	0.60195
502821.98	3635025.90	0.62859	502871.98		

```
3635025.90        0.65720
         502921.98    3635025.90        0.68765                          502971.98
3635025.90        0.72060
         503021.98    3635025.90        0.75627                          503071.98
3635025.90        0.79507
         503121.98    3635025.90        0.83674                          503171.98
3635025.90        0.88104
         503221.98    3635025.90        0.93005                          503271.98
3635025.90        0.98349
         503321.98    3635025.90        1.04168                          503371.98
3635025.90        1.10543
         503421.98    3635025.90        1.17555                          503471.98
3635025.90        1.25107
         503521.98    3635025.90        1.33389                          503571.98
3635025.90        1.42461
         503621.98    3635025.90        1.52413                          503671.98
3635025.90        1.63358
         503721.98    3635025.90        1.78895                          503771.98
3635025.90        1.92779
         503821.98    3635025.90        2.06078                          504371.98
3635025.90        5.54197
         502721.98    3635075.90        0.57263                          502771.98
3635075.90        0.59711
         502821.98    3635075.90        0.62317                          502871.98
3635075.90        0.65062
         502921.98    3635075.90        0.68058                          502971.98
3635075.90        0.71281
         503021.98    3635075.90        0.74706                          503071.98
3635075.90        0.78449
         503121.98    3635075.90        0.82461                          503171.98
3635075.90        0.86754
         503221.98    3635075.90        0.91467                          503271.98
3635075.90        0.96565
         503321.98    3635075.90        1.02114                          503371.98
3635075.90        1.08137
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 414
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
```

```
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         503421.98    3635075.90        1.14678                       503471.98
3635075.90        1.21798
         503521.98    3635075.90        1.29569                       503571.98
3635075.90        1.38042
         503621.98    3635075.90        1.47294                       503671.98
3635075.90        1.57429
         503721.98    3635075.90        1.67622                       503771.98
3635075.90        1.83911
         503821.98    3635075.90        1.93545                       504371.98
3635075.90        4.98462
         504421.98    3635075.90        5.60801                       504471.98
3635075.90        6.39136
         504521.98    3635075.90        7.29752                       502721.98
3635125.90        0.56773
         502771.98    3635125.90        0.59167                       502821.98
3635125.90        0.61715
         502871.98    3635125.90        0.64410                       502921.98
3635125.90        0.67255
         502971.98    3635125.90        0.70365                       503021.98
3635125.90        0.73717
         503071.98    3635125.90        0.77344                       503121.98
3635125.90        0.81214
         503171.98    3635125.90        0.85371                       503221.98
3635125.90        0.89913
         503271.98    3635125.90        0.94752                       503321.98
3635125.90        1.00041
         503371.98    3635125.90        1.05742                       503421.98
3635125.90        1.11858
         503471.98    3635125.90        1.18576                       503521.98
3635125.90        1.25860
         503571.98    3635125.90        1.33825                       503621.98
3635125.90        1.42389
         503671.98    3635125.90        1.51729                       503721.98
3635125.90        1.64674
         503771.98    3635125.90        1.75871                       503821.98
3635125.90        1.85052
```

```
         504371.98    3635125.90        4.50445                        504421.98
3635125.90        5.03573
         504471.98    3635125.90        5.65488                        504521.98
3635125.90        6.42281
         504571.98    3635125.90        7.36501                        502721.98
3635175.90        0.56238
         502771.98    3635175.90        0.58590                        502821.98
3635175.90        0.61070
         502871.98    3635175.90        0.63713                        502921.98
3635175.90        0.66466
         502971.98    3635175.90        0.69476                        503021.98
3635175.90        0.72735
         503071.98    3635175.90        0.76205                        503121.98
3635175.90        0.79911
         503171.98    3635175.90        0.83893                        503221.98
3635175.90        0.88241
         503271.98    3635175.90        0.92859                        503321.98
3635175.90        0.97897
         503371.98    3635175.90        1.03282                        503421.98
3635175.90        1.08981
         503471.98    3635175.90        1.15430                        503521.98
3635175.90        1.22220
         503571.98    3635175.90        1.29643                        503621.98
3635175.90        1.37616
         503671.98    3635175.90        1.45796                        503721.98
3635175.90        1.58168
         503771.98    3635175.90        1.66997                        503821.98
3635175.90        1.71555
         504371.98    3635175.90        4.09770                        504421.98
3635175.90        4.53679
         504471.98    3635175.90        5.04572                        504521.98
3635175.90        5.66750
         504571.98    3635175.90        6.45646                        504621.98
3635175.90        7.26804
         502721.98    3635225.90        0.55671                        502771.98
3635225.90        0.57929
         502821.98    3635225.90        0.60338                        502871.98
3635225.90        0.62912
         502921.98    3635225.90        0.65649                        502971.98
3635225.90        0.68558
         503021.98    3635225.90        0.71670                        503071.98
3635225.90        0.74996
         503121.98    3635225.90        0.78546                        503171.98
3635225.90        0.82355
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503221.98	3635225.90	0.86442	503271.98	3635225.90	0.90820
503321.98	3635225.90	0.95533	503371.98	3635225.90	1.00626
503421.98	3635225.90	1.06111	503471.98	3635225.90	1.12085
503521.98	3635225.90	1.18633	503571.98	3635225.90	1.25561
503621.98	3635225.90	1.32304	503671.98	3635225.90	1.42388
504371.98	3635225.90	3.74187	504421.98	3635225.90	4.10184
504471.98	3635225.90	4.52564	504521.98	3635225.90	5.03014
504571.98	3635225.90	5.65565	504621.98	3635225.90	6.39033
502721.98	3635275.90	0.55094	502771.98	3635275.90	0.57307
502821.98	3635275.90	0.59646	502871.98	3635275.90	0.62124
502921.98	3635275.90	0.64776	502971.98	3635275.90	0.67589
503021.98	3635275.90	0.70605	503071.98	3635275.90	0.73819
503121.98	3635275.90	0.77252	503171.98	3635275.90	0.80921
503221.98	3635275.90	0.84738	503271.98		

3635275.90 0.88942
503321.98 3635275.90 0.93405 503371.98 3635275.90 0.98267
503421.98 3635275.90 1.03398 503471.98 3635275.90 1.08969
503521.98 3635275.90 1.14921 503571.98 3635275.90 1.21561
503621.98 3635275.90 1.28504 504371.98 3635275.90 3.44734
504421.98 3635275.90 3.75442 504471.98 3635275.90 4.10185
504521.98 3635275.90 4.50837 504571.98 3635275.90 4.99206
504621.98 3635275.90 5.58043 504671.98 3635275.90 6.23329
502721.98 3635325.90 0.54472 502771.98 3635325.90 0.56615
502821.98 3635325.90 0.58882 502871.98 3635325.90 0.61287
502921.98 3635325.90 0.63848 502971.98 3635325.90 0.66563
503021.98 3635325.90 0.69467 503071.98 3635325.90 0.72554
503121.98 3635325.90 0.75847 503171.98 3635325.90 0.79356
503221.98 3635325.90 0.83012 503271.98 3635325.90 0.87013
503321.98 3635325.90 0.91277 503371.98 3635325.90 0.95872
503421.98 3635325.90 1.00753 503471.98 3635325.90 1.05981
503521.98 3635325.90 1.11514 503571.98 3635325.90 1.17645
503621.98 3635325.90 1.24176 504371.98 3635325.90 3.17600
504421.98 3635325.90 3.43440 504471.98 3635325.90 3.72685
504521.98 3635325.90 4.05711 504571.98 3635325.90 4.43987
504621.98 3635325.90 4.90617 504671.98 3635325.90 5.45915
504721.98 3635325.90 6.01750 502721.98 3635375.90 0.53825
502771.98 3635375.90 0.55917 502821.98 3635375.90 0.58284
502871.98 3635375.90 0.60534 502921.98 3635375.90 0.62907
502971.98 3635375.90 0.65516 503021.98 3635375.90 0.68320
503071.98 3635375.90 0.71285 503121.98

```
3635375.90        0.74425
         503171.98    3635375.90        0.77772                      503221.98
3635375.90        0.81272
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 416
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                 L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                 L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                 L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503271.98    3635375.90        0.85074                      503321.98
3635375.90        0.89133
         503371.98    3635375.90        0.93462                      503421.98
3635375.90        0.98060
         503471.98    3635375.90        1.02963                      503521.98
3635375.90        1.08193
         503571.98    3635375.90        1.13889                      503621.98
3635375.90        1.19943
         503671.98    3635375.90        1.25971                      503721.98
3635375.90        1.33480
         504371.98    3635375.90        2.93214                      504421.98
3635375.90        3.15225
         504471.98    3635375.90        3.39607                      504521.98
3635375.90        3.67215
         504571.98    3635375.90        3.98179                      504621.98
3635375.90        4.35439
         504671.98    3635375.90        4.77672                      504721.98
3635375.90        5.25189
```

```
         502721.98    3635425.90        0.53149                    502771.98
3635425.90        0.55404
         502821.98    3635425.90        0.57594                    502871.98
3635425.90        0.59803
         502921.98    3635425.90        0.62042                    502971.98
3635425.90        0.64384
         503021.98    3635425.90        0.67030                    503071.98
3635425.90        0.69870
         503121.98    3635425.90        0.72974                    503171.98
3635425.90        0.76173
         503221.98    3635425.90        0.79564                    503271.98
3635425.90        0.83199
         503321.98    3635425.90        0.87035                    503371.98
3635425.90        0.91113
         503421.98    3635425.90        0.95453                    503471.98
3635425.90        1.00090
         503521.98    3635425.90        1.05031                    503571.98
3635425.90        1.10297
         503621.98    3635425.90        1.15914                    503671.98
3635425.90        1.21541
         503721.98    3635425.90        1.27607                    503771.98
3635425.90        1.34479
         503821.98    3635425.90        1.42154                    504371.98
3635425.90        2.71503
         504421.98    3635425.90        2.90568                    504471.98
3635425.90        3.11452
         504521.98    3635425.90        3.34168                    504571.98
3635425.90        3.59685
         504621.98    3635425.90        3.89300                    504671.98
3635425.90        4.22074
         504721.98    3635425.90        4.58762                    502721.98
3635475.90        0.52490
         502771.98    3635475.90        0.54619                    502821.98
3635475.90        0.56636
         502871.98    3635475.90        0.58770                    502921.98
3635475.90        0.60848
         502971.98    3635475.90        0.63278                    503021.98
3635475.90        0.65778
         503071.98    3635475.90        0.68650                    503121.98
3635475.90        0.71515
         503171.98    3635475.90        0.74569                    503221.98
3635475.90        0.77812
         503271.98    3635475.90        0.81252                    503321.98
3635475.90        0.84892
         503371.98    3635475.90        0.88747                    503421.98
3635475.90        0.92843
         503471.98    3635475.90        0.97202                    503521.98
3635475.90        1.01835
         503571.98    3635475.90        1.06767                    503621.98
3635475.90        1.12001
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504671.98	3635475.90	3.76179	504721.98	3635475.90	4.05530
502221.98	3632975.90	0.27609	502271.98	3632975.90	0.28221
502321.98	3632975.90	0.28855	502371.98	3632975.90	0.29511
502421.98	3632975.90	0.30187	502471.98	3632975.90	0.30883
502521.98	3632975.90	0.31586	502571.98		

3632975.90 0.32322
502621.98 3632975.90 0.33084 502671.98
3632975.90 0.33871
502721.98 3632975.90 0.34681 502771.98
3632975.90 0.35507
502821.98 3632975.90 0.36272 502871.98
3632975.90 0.30819
502921.98 3632975.90 0.31308 502971.98
3632975.90 0.21434
503021.98 3632975.90 0.21783 503071.98
3632975.90 0.25284
503121.98 3632975.90 0.30456 503171.98
3632975.90 0.35662
503221.98 3632975.90 0.38235 503271.98
3632975.90 0.38865
503321.98 3632975.90 0.38614 503371.98
3632975.90 0.38837
503421.98 3632975.90 0.36731 503471.98
3632975.90 0.35654
503621.98 3632975.90 0.32309 503671.98
3632975.90 0.31281
503721.98 3632975.90 0.30321 503771.98
3632975.90 0.28919
503821.98 3632975.90 0.25441 503871.98
3632975.90 0.22508
503921.98 3632975.90 0.21522 503971.98
3632975.90 0.21391
504021.98 3632975.90 0.20982 504071.98
3632975.90 0.21236
504121.98 3632975.90 0.20765 504171.98
3632975.90 0.21043
504221.98 3632975.90 0.21226 504271.98
3632975.90 0.21551
504321.98 3632975.90 0.21818 504371.98
3632975.90 0.21700
504421.98 3632975.90 0.21818 504471.98
3632975.90 0.22028
504521.98 3632975.90 0.22317 504571.98
3632975.90 0.22473
504621.98 3632975.90 0.22541 504671.98
3632975.90 0.22661
504721.98 3632975.90 0.22838 504771.98
3632975.90 0.22989
504821.98 3632975.90 0.22990 504871.98
3632975.90 0.23073
504921.98 3632975.90 0.23244 504971.98
3632975.90 0.23404
505021.98 3632975.90 0.23507 505071.98
3632975.90 0.23666
505121.98 3632975.90 0.23950 505171.98

3632975.90   0.24396
         505221.98   3632975.90   0.24890   502221.98
3633025.90   0.28039
         502271.98   3633025.90   0.28718   502321.98
3633025.90   0.29369
         502371.98   3633025.90   0.30057   502421.98
3633025.90   0.30766
         502471.98   3633025.90   0.31483   502521.98
3633025.90   0.32233
         502571.98   3633025.90   0.33006   502621.98
3633025.90   0.33810
         502671.98   3633025.90   0.34632   502721.98
3633025.90   0.35480
         502771.98   3633025.90   0.36350   502821.98
3633025.90   0.36029
         502871.98   3633025.90   0.34253   502921.98
3633025.90   0.31999
         502971.98   3633025.90   0.21994   503021.98
3633025.90   0.23535
         503071.98   3633025.90   0.29001   503121.98
3633025.90   0.35716

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                  L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                  L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                  L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

503171.98 3633025.90 0.38455 503221.98 3633025.90 0.40764
503271.98 3633025.90 0.41054 503321.98 3633025.90 0.41658
503371.98 3633025.90 0.40540 503421.98 3633025.90 0.36399
503471.98 3633025.90 0.36930 503621.98 3633025.90 0.32898
503671.98 3633025.90 0.32337 503721.98 3633025.90 0.31955
503771.98 3633025.90 0.28385 503821.98 3633025.90 0.24918
503871.98 3633025.90 0.22617 503921.98 3633025.90 0.21814
503971.98 3633025.90 0.21604 504021.98 3633025.90 0.21468
504071.98 3633025.90 0.21363 504121.98 3633025.90 0.21414
504171.98 3633025.90 0.21666 504221.98 3633025.90 0.22059
504271.98 3633025.90 0.22383 504321.98 3633025.90 0.22662
504371.98 3633025.90 0.22607 504421.98 3633025.90 0.22733
504471.98 3633025.90 0.22963 504521.98 3633025.90 0.23049
504571.98 3633025.90 0.23150 504621.98 3633025.90 0.23287
504671.98 3633025.90 0.23476 504721.98 3633025.90 0.23688
504771.98 3633025.90 0.23910 504821.98 3633025.90 0.24039
504871.98 3633025.90 0.24310 504921.98 3633025.90 0.24550
504971.98 3633025.90 0.24668 505021.98 3633025.90 0.24688
505071.98 3633025.90 0.24830 505121.98 3633025.90 0.25146
505171.98 3633025.90 0.25663 505221.98 3633025.90 0.26429
502221.98 3633075.90 0.28517 502271.98 3633075.90 0.29216
502321.98 3633075.90 0.29904 502371.98 3633075.90 0.30616
502421.98 3633075.90 0.31353 502471.98 3633075.90 0.32096
502521.98 3633075.90 0.32881 502571.98 3633075.90 0.33700
502621.98 3633075.90 0.34539 502671.98 3633075.90 0.35393

```
         502721.98    3633075.90        0.36297                      502771.98
3633075.90        0.37212
         502821.98    3633075.90        0.38156                      502871.98
3633075.90        0.37191
         502921.98    3633075.90        0.35800                      502971.98
3633075.90        0.31047
         503021.98    3633075.90        0.33537                      503071.98
3633075.90        0.35139
         503121.98    3633075.90        0.38803                      503171.98
3633075.90        0.40859
         503221.98    3633075.90        0.43550                      503271.98
3633075.90        0.43135
         503321.98    3633075.90        0.43025                      503371.98
3633075.90        0.41631
         503421.98    3633075.90        0.37957                      503471.98
3633075.90        0.38526
         503621.98    3633075.90        0.33669                      503671.98
3633075.90        0.32676
         503721.98    3633075.90        0.32155                      503771.98
3633075.90        0.28483
         503821.98    3633075.90        0.24831                      503871.98
3633075.90        0.22588
         503921.98    3633075.90        0.22373                      503971.98
3633075.90        0.22583
         504021.98    3633075.90        0.22247                      504071.98
3633075.90        0.22202
         504121.98    3633075.90        0.22330                      504171.98
3633075.90        0.22615
         504221.98    3633075.90        0.23005                      504271.98
3633075.90        0.23373
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 419
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3633075.90	0.23804	504371.98	3633075.90	0.23684
504421.98	3633075.90	0.23916	504471.98	3633075.90	0.23940
504521.98	3633075.90	0.23964	504571.98	3633075.90	0.24081
504621.98	3633075.90	0.24236	504671.98	3633075.90	0.24464
504721.98	3633075.90	0.24707	504771.98	3633075.90	0.25009
504821.98	3633075.90	0.25290	504871.98	3633075.90	0.25678
504921.98	3633075.90	0.26138	504971.98	3633075.90	0.26100
505021.98	3633075.90	0.26040	505071.98	3633075.90	0.26131
505121.98	3633075.90	0.26431	505171.98	3633075.90	0.27016
505221.98	3633075.90	0.27783	502221.98	3633125.90	0.29015
502271.98	3633125.90	0.29717	502321.98	3633125.90	0.30434
502371.98	3633125.90	0.31175	502421.98	3633125.90	0.31945
502471.98	3633125.90	0.32730	502521.98	3633125.90	0.33549
502571.98	3633125.90	0.34398	502621.98	3633125.90	0.35275
502671.98	3633125.90	0.36190	502721.98	3633125.90	0.37125
502771.98	3633125.90	0.38105	502821.98	3633125.90	0.39097
502871.98	3633125.90	0.40116	502921.98	3633125.90	0.39791
502971.98	3633125.90	0.37920	503021.98	3633125.90	0.37358
503071.98	3633125.90	0.39484	503121.98	3633125.90	0.41429
503171.98	3633125.90	0.43701	503221.98	3633125.90	0.45637
503271.98	3633125.90	0.45520	503321.98		

3633125.90   0.46091
         503371.98   3633125.90   0.43866   503421.98
3633125.90   0.39410
         503471.98   3633125.90   0.40001   503621.98
3633125.90   0.34279
         503671.98   3633125.90   0.32723   503721.98
3633125.90   0.32182
         503771.98   3633125.90   0.27758   503821.98
3633125.90   0.24834
         503871.98   3633125.90   0.23244   503921.98
3633125.90   0.23246
         503971.98   3633125.90   0.23515   504021.98
3633125.90   0.22903
         504071.98   3633125.90   0.23161   504121.98
3633125.90   0.23549
         504171.98   3633125.90   0.23906   504221.98
3633125.90   0.24277
         504271.98   3633125.90   0.24722   504321.98
3633125.90   0.24999
         504371.98   3633125.90   0.25149   504421.98
3633125.90   0.25340
         504471.98   3633125.90   0.25190   504521.98
3633125.90   0.25132
         504571.98   3633125.90   0.25221   504621.98
3633125.90   0.25444
         504671.98   3633125.90   0.25725   504721.98
3633125.90   0.25986
         504771.98   3633125.90   0.26304   504821.98
3633125.90   0.26656
         504871.98   3633125.90   0.27217   504921.98
3633125.90   0.28088
         504971.98   3633125.90   0.27918   505021.98
3633125.90   0.27587
         505071.98   3633125.90   0.27488   505121.98
3633125.90   0.27812
         505171.98   3633125.90   0.28413   505221.98
3633125.90   0.29345
         502221.98   3633175.90   0.29492   502271.98
3633175.90   0.30210

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                                 INCLUDING SOURCE(S):   L0000995   , L0000996

```
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502321.98    3633175.90        0.30956                      502371.98
3633175.90        0.31752
         502421.98    3633175.90        0.32564                      502471.98
3633175.90        0.33382
         502521.98    3633175.90        0.34241                      502571.98
3633175.90        0.35134
         502621.98    3633175.90        0.36055                      502671.98
3633175.90        0.37017
         502721.98    3633175.90        0.38015                      502771.98
3633175.90        0.39028
         502821.98    3633175.90        0.40070                      502871.98
3633175.90        0.41146
         502921.98    3633175.90        0.42257                      502971.98
3633175.90        0.43401
         503021.98    3633175.90        0.42802                      503071.98
3633175.90        0.44855
         503121.98    3633175.90        0.44634                      503171.98
3633175.90        0.48311
         503221.98    3633175.90        0.46866                      503271.98
3633175.90        0.46720
         503321.98    3633175.90        0.47520                      503371.98
3633175.90        0.45004
         503421.98    3633175.90        0.41611                      503471.98
3633175.90        0.40789
         503621.98    3633175.90        0.33699                      503671.98
3633175.90        0.33521
         503721.98    3633175.90        0.31189                      503771.98
3633175.90        0.27223
         503821.98    3633175.90        0.24900                      503871.98
3633175.90        0.23864
         503921.98    3633175.90        0.24294                      503971.98
3633175.90        0.24572
```

```
         504021.98    3633175.90        0.23955                        504071.98
3633175.90        0.24359
         504121.98    3633175.90        0.24996                        504171.98
3633175.90        0.25747
         504221.98    3633175.90        0.26004                        504271.98
3633175.90        0.26286
         504321.98    3633175.90        0.26552                        504371.98
3633175.90        0.27222
         504421.98    3633175.90        0.26969                        504471.98
3633175.90        0.26603
         504521.98    3633175.90        0.26459                        504571.98
3633175.90        0.26562
         504621.98    3633175.90        0.26892                        504671.98
3633175.90        0.27291
         504721.98    3633175.90        0.27594                        504771.98
3633175.90        0.27920
         504821.98    3633175.90        0.28260                        504871.98
3633175.90        0.28963
         504921.98    3633175.90        0.30210                        504971.98
3633175.90        0.29593
         505021.98    3633175.90        0.29063                        505071.98
3633175.90        0.29042
         505121.98    3633175.90        0.29374                        505171.98
3633175.90        0.29933
         505221.98    3633175.90        0.30746                        502221.98
3633225.90        0.29977
         502271.98    3633225.90        0.30733                        502321.98
3633225.90        0.31506
         502371.98    3633225.90        0.32338                        502421.98
3633225.90        0.33179
         502471.98    3633225.90        0.34023                        502521.98
3633225.90        0.34928
         502571.98    3633225.90        0.35860                        502621.98
3633225.90        0.36834
         502671.98    3633225.90        0.37842                        502721.98
3633225.90        0.38896
         502771.98    3633225.90        0.39961                        502821.98
3633225.90        0.41066
         502871.98    3633225.90        0.42206                        502921.98
3633225.90        0.43385
         502971.98    3633225.90        0.44604                        503021.98
3633225.90        0.45861
         503071.98    3633225.90        0.47158                        503121.98
3633225.90        0.48494
         503171.98    3633225.90        0.49864                        503221.98
3633225.90        0.49313
         503271.98    3633225.90        0.48872                        503321.98
3633225.90        0.48408
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503371.98	3633225.90	0.44945	503421.98	3633225.90	0.43389
503471.98	3633225.90	0.41066	503621.98	3633225.90	0.35087
503671.98	3633225.90	0.33911	503721.98	3633225.90	0.30914
503771.98	3633225.90	0.27967	503821.98	3633225.90	0.25357
503871.98	3633225.90	0.25042	503921.98	3633225.90	0.25300
503971.98	3633225.90	0.25757	504021.98	3633225.90	0.25836
504071.98	3633225.90	0.26367	504121.98	3633225.90	0.27189
504171.98	3633225.90	0.27837	504221.98	3633225.90	0.27395
504271.98	3633225.90	0.27750	504321.98	3633225.90	0.28718
504371.98	3633225.90	0.29433	504421.98	3633225.90	0.28802
504471.98	3633225.90	0.28340	504521.98	3633225.90	0.28116
504571.98	3633225.90	0.28243	504621.98		

3633225.90 0.28654
504671.98 3633225.90 0.29295 504721.98
3633225.90 0.29723
504771.98 3633225.90 0.29909 504821.98
3633225.90 0.30587
504871.98 3633225.90 0.31174 504921.98
3633225.90 0.32348
504971.98 3633225.90 0.31665 505021.98
3633225.90 0.31051
505071.98 3633225.90 0.31089 505121.98
3633225.90 0.31245
505171.98 3633225.90 0.31373 505221.98
3633225.90 0.32053
502221.98 3633275.90 0.30455 502271.98
3633275.90 0.31239
502321.98 3633275.90 0.32066 502371.98
3633275.90 0.32917
502421.98 3633275.90 0.33786 502471.98
3633275.90 0.34689
502521.98 3633275.90 0.35631 502571.98
3633275.90 0.36606
502621.98 3633275.90 0.37628 502671.98
3633275.90 0.38683
502721.98 3633275.90 0.39779 502771.98
3633275.90 0.40918
502821.98 3633275.90 0.40816 502871.98
3633275.90 0.43294
502921.98 3633275.90 0.44546 502971.98
3633275.90 0.45843
503021.98 3633275.90 0.47186 503071.98
3633275.90 0.48574
503121.98 3633275.90 0.50006 503171.98
3633275.90 0.51484
503221.98 3633275.90 0.52997 503271.98
3633275.90 0.49649
503321.98 3633275.90 0.50012 503371.98
3633275.90 0.47003
503421.98 3633275.90 0.44448 503471.98
3633275.90 0.33538
503621.98 3633275.90 0.34751 503671.98
3633275.90 0.33770
503721.98 3633275.90 0.30576 503771.98
3633275.90 0.27976
503821.98 3633275.90 0.25909 503871.98
3633275.90 0.26124
503921.98 3633275.90 0.26976 503971.98
3633275.90 0.28573
504021.98 3633275.90 0.28785 504071.98
3633275.90 0.28829
504121.98 3633275.90 0.29973 504171.98

3633275.90   0.29759
         504221.98   3633275.90   0.29331   504271.98
3633275.90   0.29789
         504321.98   3633275.90   0.31262   504371.98
3633275.90   0.32481
         504421.98   3633275.90   0.31470   504471.98
3633275.90   0.30579

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                               INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
                  L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
                  L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
                  L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

505221.98 3633275.90 0.33732 502221.98 3633325.90 0.30940
502271.98 3633325.90 0.31759 502321.98 3633325.90 0.32612
502371.98 3633325.90 0.33491 502421.98 3633325.90 0.34401
502471.98 3633325.90 0.35335 502521.98 3633325.90 0.36327
502571.98 3633325.90 0.37354 502621.98 3633325.90 0.38425
502671.98 3633325.90 0.39535 502721.98 3633325.90 0.40689
502771.98 3633325.90 0.41896 502821.98 3633325.90 0.43129
502871.98 3633325.90 0.44406 502921.98 3633325.90 0.45737
502971.98 3633325.90 0.47120 503021.98 3633325.90 0.48554
503071.98 3633325.90 0.50039 503121.98 3633325.90 0.51576
503171.98 3633325.90 0.53168 503221.98 3633325.90 0.54810
503271.98 3633325.90 0.51003 503321.98 3633325.90 0.51179
503371.98 3633325.90 0.47822 503421.98 3633325.90 0.38609
503471.98 3633325.90 0.31618 503621.98 3633325.90 0.34400
503671.98 3633325.90 0.33350 503721.98 3633325.90 0.29849
503771.98 3633325.90 0.28688 503821.98 3633325.90 0.27461
503871.98 3633325.90 0.27582 503921.98 3633325.90 0.29790
503971.98 3633325.90 0.32400 504021.98 3633325.90 0.32266
504071.98 3633325.90 0.31819 504121.98 3633325.90 0.33474
504171.98 3633325.90 0.32107 504221.98 3633325.90 0.31432
504271.98 3633325.90 0.32541 504321.98 3633325.90 0.34949
504371.98 3633325.90 0.36157 504421.98 3633325.90 0.34592
504471.98 3633325.90 0.33261 504521.98 3633325.90 0.32594
504571.98 3633325.90 0.32906 504621.98 3633325.90 0.33739
504671.98 3633325.90 0.34913 504721.98 3633325.90 0.34817

```
         504771.98    3633325.90        0.34104                      504821.98
3633325.90        0.34657
         504871.98    3633325.90        0.36799                      504921.98
3633325.90        0.38200
         504971.98    3633325.90        0.37619                      505021.98
3633325.90        0.37222
         505071.98    3633325.90        0.37331                      505121.98
3633325.90        0.36007
         505171.98    3633325.90        0.35347                      505221.98
3633325.90        0.36061
         502221.98    3633375.90        0.31436                      502271.98
3633375.90        0.32278
         502321.98    3633375.90        0.33152                      502371.98
3633375.90        0.34061
         502421.98    3633375.90        0.35011                      502471.98
3633375.90        0.35996
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 423
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                 L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                 L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                 L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502521.98    3633375.90        0.37029                      502571.98
3633375.90        0.38105
         502621.98    3633375.90        0.39227                      502671.98
3633375.90        0.40394
         502721.98    3633375.90        0.41611                      502771.98
```

3633375.90 0.42875
502821.98 3633375.90 0.44185 502871.98
3633375.90 0.45542
502921.98 3633375.90 0.46959 502971.98
3633375.90 0.48432
503021.98 3633375.90 0.49964 503071.98
3633375.90 0.51554
503121.98 3633375.90 0.53206 503171.98
3633375.90 0.54921
503221.98 3633375.90 0.56699 503271.98
3633375.90 0.58534
503321.98 3633375.90 0.59490 503371.98
3633375.90 0.50012
503421.98 3633375.90 0.36460 503471.98
3633375.90 0.36222
503621.98 3633375.90 0.36935 503671.98
3633375.90 0.34977
503721.98 3633375.90 0.31988 503771.98
3633375.90 0.31257
503821.98 3633375.90 0.31709 503871.98
3633375.90 0.31046
503921.98 3633375.90 0.33588 503971.98
3633375.90 0.36758
504021.98 3633375.90 0.35959 504071.98
3633375.90 0.35245
504121.98 3633375.90 0.37296 504171.98
3633375.90 0.34631
504221.98 3633375.90 0.34739 504271.98
3633375.90 0.36914
504321.98 3633375.90 0.39688 504371.98
3633375.90 0.40695
504421.98 3633375.90 0.38101 504471.98
3633375.90 0.36122
504521.98 3633375.90 0.35266 504571.98
3633375.90 0.36016
504621.98 3633375.90 0.37157 504671.98
3633375.90 0.38768
504721.98 3633375.90 0.37952 504771.98
3633375.90 0.36969
504821.98 3633375.90 0.37890 504871.98
3633375.90 0.41104
504921.98 3633375.90 0.41876 504971.98
3633375.90 0.41645
505021.98 3633375.90 0.41192 505071.98
3633375.90 0.39759
505121.98 3633375.90 0.38229 505171.98
3633375.90 0.37786
505221.98 3633375.90 0.38923 502221.98
3633425.90 0.31904
502271.98 3633425.90 0.32766 502321.98

3633425.90   0.33662
         502371.98   3633425.90   0.34607   502421.98
3633425.90   0.35603
         502471.98   3633425.90   0.36676   502521.98
3633425.90   0.37747
         502571.98   3633425.90   0.38864   502621.98
3633425.90   0.40038
         502671.98   3633425.90   0.41250   502721.98
3633425.90   0.42522
         502771.98   3633425.90   0.43856   502821.98
3633425.90   0.45241
         502871.98   3633425.90   0.46689   502921.98
3633425.90   0.48207
         502971.98   3633425.90   0.49778   503021.98
3633425.90   0.51413
         503071.98   3633425.90   0.53120   503121.98
3633425.90   0.54889
         503171.98   3633425.90   0.56745   503221.98
3633425.90   0.58671
         503271.98   3633425.90   0.60667   503321.98
3633425.90   0.62097
         503371.98   3633425.90   0.46093   503421.98
3633425.90   0.39701
         503471.98   3633425.90   0.40660   503621.98
3633425.90   0.42660

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                              INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                 L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                 L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                 L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503671.98	3633425.90	0.39265	503721.98	3633425.90	0.35409
503771.98	3633425.90	0.34360	503821.98	3633425.90	0.35025
503871.98	3633425.90	0.35722	503921.98	3633425.90	0.39223
503971.98	3633425.90	0.40825	504021.98	3633425.90	0.39811
504071.98	3633425.90	0.39419	504121.98	3633425.90	0.41727
504171.98	3633425.90	0.39363	504221.98	3633425.90	0.40640
504271.98	3633425.90	0.43705	504321.98	3633425.90	0.46861
504371.98	3633425.90	0.44787	504421.98	3633425.90	0.41821
504471.98	3633425.90	0.39655	504521.98	3633425.90	0.38529
504571.98	3633425.90	0.39685	504621.98	3633425.90	0.41630
504671.98	3633425.90	0.42811	504721.98	3633425.90	0.42803
504771.98	3633425.90	0.41791	504821.98	3633425.90	0.41731
504871.98	3633425.90	0.45491	504921.98	3633425.90	0.45491
504971.98	3633425.90	0.44787	505021.98	3633425.90	0.42386
505071.98	3633425.90	0.41035	505121.98	3633425.90	0.40445
505171.98	3633425.90	0.40586	505221.98	3633425.90	0.42237
502221.98	3633475.90	0.32375	502271.98	3633475.90	0.33264
502321.98	3633475.90	0.34198	502371.98	3633475.90	0.35181
502421.98	3633475.90	0.36218	502471.98	3633475.90	0.37347
502521.98	3633475.90	0.38440	502571.98	3633475.90	0.39606
502621.98	3633475.90	0.40840	502671.98	3633475.90	0.42112
504771.98	3633475.90	0.49283	504821.98	3633475.90	0.49880
504871.98	3633475.90	0.50044	504921.98	3633475.90	0.50215

```
         504971.98    3633475.90        0.48132                        505021.98
3633475.90        0.44925
         505071.98    3633475.90        0.43730                        505121.98
3633475.90        0.43376
         505171.98    3633475.90        0.43472                        505221.98
3633475.90        0.44993
         502221.98    3633525.90        0.32863                        502271.98
3633525.90        0.33781
         502321.98    3633525.90        0.34742                        502371.98
3633525.90        0.35780
         502421.98    3633525.90        0.36868                        502471.98
3633525.90        0.38016
         502521.98    3633525.90        0.39138                        502571.98
3633525.90        0.40313
         502621.98    3633525.90        0.41606                        502671.98
3633525.90        0.42949
         504771.98    3633525.90        0.53133                        504821.98
3633525.90        0.52968
         504871.98    3633525.90        0.53177                        504921.98
3633525.90        0.53545
         504971.98    3633525.90        0.53688                        505021.98
3633525.90        0.50920
         505071.98    3633525.90        0.48022                        505121.98
3633525.90        0.46511
         505171.98    3633525.90        0.46609                        505221.98
3633525.90        0.47761
         502221.98    3633575.90        0.33388                        502271.98
3633575.90        0.34282
         502321.98    3633575.90        0.35274                        502371.98
3633575.90        0.36355
         502421.98    3633575.90        0.37470                        502471.98
3633575.90        0.38615
         502521.98    3633575.90        0.39808                        502571.98
3633575.90        0.41067
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 425
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
```

L0001016 , L0001017 , L0001018 , L0001019 , L0001020
, L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633575.90	0.42402	502671.98	3633575.90	0.43805
504771.98	3633575.90	0.56611	504821.98	3633575.90	0.56901
504871.98	3633575.90	0.57363	504921.98	3633575.90	0.56918
504971.98	3633575.90	0.57904	505021.98	3633575.90	0.57008
505071.98	3633575.90	0.53529	505121.98	3633575.90	0.50688
505171.98	3633575.90	0.50390	505221.98	3633575.90	0.51975
502221.98	3633625.90	0.33885	502271.98	3633625.90	0.34766
502321.98	3633625.90	0.35819	502371.98	3633625.90	0.36919
502421.98	3633625.90	0.38086	502471.98	3633625.90	0.39251
502521.98	3633625.90	0.40539	502571.98	3633625.90	0.41860
502621.98	3633625.90	0.43252	502671.98	3633625.90	0.44702
504771.98	3633625.90	0.60564	504821.98	3633625.90	0.63219
504871.98	3633625.90	0.62143	504921.98	3633625.90	0.61904
504971.98	3633625.90	0.62911	505021.98	3633625.90	0.62417
505071.98	3633625.90	0.58420	505121.98	3633625.90	0.55561
505171.98	3633625.90	0.54582	505221.98	3633625.90	0.56302
502221.98	3633675.90	0.34301	502271.98	3633675.90	0.35240
502321.98	3633675.90	0.36327	502371.98	3633675.90	0.37446
502421.98	3633675.90	0.38670	502471.98		

```
3633675.90        0.39913
         502521.98    3633675.90        0.41238                        502571.98
3633675.90        0.42612
         502621.98    3633675.90        0.44056                        502671.98
3633675.90        0.45571
         504771.98    3633675.90        0.67662                        504821.98
3633675.90        0.68753
         504871.98    3633675.90        0.69222                        504921.98
3633675.90        0.69389
         504971.98    3633675.90        0.69126                        505021.98
3633675.90        0.67862
         505071.98    3633675.90        0.63188                        505121.98
3633675.90        0.59196
         505171.98    3633675.90        0.58376                        505221.98
3633675.90        0.59974
         502221.98    3633725.90        0.34719                        502271.98
3633725.90        0.35704
         502321.98    3633725.90        0.36842                        502371.98
3633725.90        0.38014
         502421.98    3633725.90        0.39252                        502471.98
3633725.90        0.40550
         502521.98    3633725.90        0.41918                        502571.98
3633725.90        0.43354
         502621.98    3633725.90        0.44863                        502671.98
3633725.90        0.46441
         504771.98    3633725.90        0.78878                        504821.98
3633725.90        0.76584
         504871.98    3633725.90        0.77068                        504921.98
3633725.90        0.76064
         504971.98    3633725.90        0.74570                        505021.98
3633725.90        0.71680
         505071.98    3633725.90        0.66050                        505121.98
3633725.90        0.62354
         505171.98    3633725.90        0.62675                        505221.98
3633725.90        0.63702
         502221.98    3633775.90        0.35147                        502271.98
3633775.90        0.36166
         502321.98    3633775.90        0.37380                        502371.98
3633775.90        0.38576
         502421.98    3633775.90        0.39863                        502471.98
3633775.90        0.41168
         502521.98    3633775.90        0.42590                        502571.98
3633775.90        0.44086
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 426
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***

INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633775.90	0.45643	502671.98	3633775.90	0.47291
504771.98	3633775.90	0.90704	504821.98	3633775.90	0.88741
504871.98	3633775.90	0.85247	504921.98	3633775.90	0.80671
504971.98	3633775.90	0.78777	505021.98	3633775.90	0.74734
505071.98	3633775.90	0.70429	505121.98	3633775.90	0.66987
505171.98	3633775.90	0.66714	505221.98	3633775.90	0.67778
502221.98	3633825.90	0.35612	502271.98	3633825.90	0.36649
502321.98	3633825.90	0.37861	502371.98	3633825.90	0.39114
502421.98	3633825.90	0.40418	502471.98	3633825.90	0.41782
502521.98	3633825.90	0.43245	502571.98	3633825.90	0.44800
502621.98	3633825.90	0.46440	502671.98	3633825.90	0.48149
504771.98	3633825.90	1.01577	504821.98	3633825.90	0.97286
504871.98	3633825.90	0.87266	504921.98	3633825.90	0.81994
504971.98	3633825.90	0.79864	505021.98	3633825.90	0.78316

505071.98 3633825.90 0.74784 505121.98
3633825.90 0.71012
505171.98 3633825.90 0.71036 505221.98
3633825.90 0.72164
502221.98 3633875.90 0.36005 502271.98
3633875.90 0.37098
502321.98 3633875.90 0.38364 502371.98
3633875.90 0.39607
502421.98 3633875.90 0.40965 502471.98
3633875.90 0.42354
502521.98 3633875.90 0.43885 502571.98
3633875.90 0.45506
502621.98 3633875.90 0.47206 502671.98
3633875.90 0.48979
504771.98 3633875.90 1.10585 504821.98
3633875.90 1.01068
504871.98 3633875.90 0.90737 504921.98
3633875.90 0.86121
504971.98 3633875.90 0.82863 505021.98
3633875.90 0.80066
505071.98 3633875.90 0.79009 505121.98
3633875.90 0.76236
505171.98 3633875.90 0.76203 505221.98
3633875.90 0.76632
502221.98 3633925.90 0.36404 502271.98
3633925.90 0.37557
502321.98 3633925.90 0.38821 502371.98
3633925.90 0.40087
502421.98 3633925.90 0.41518 502471.98
3633925.90 0.42957
502521.98 3633925.90 0.44520 502571.98
3633925.90 0.46179
502621.98 3633925.90 0.47937 502671.98
3633925.90 0.49777
504771.98 3633925.90 1.16809 504821.98
3633925.90 1.07045
504871.98 3633925.90 0.99704 504921.98
3633925.90 0.91492
504971.98 3633925.90 0.85931 505021.98
3633925.90 0.84052
505071.98 3633925.90 0.82634 505121.98
3633925.90 0.81512
505171.98 3633925.90 0.81632 505221.98
3633925.90 0.81538
502221.98 3633975.90 0.36809 502271.98
3633975.90 0.37939
502321.98 3633975.90 0.39224 502371.98
3633975.90 0.40599
502421.98 3633975.90 0.42037 502471.98
3633975.90 0.43537

```
         502521.98    3633975.90        0.45149                      502571.98
3633975.90        0.46838
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 427
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3633975.90        0.48654                      502671.98
3633975.90        0.50549
         504771.98    3633975.90        1.20432                      504821.98
3633975.90        1.14308
         504871.98    3633975.90        1.09188                      504921.98
3633975.90        1.00718
         504971.98    3633975.90        0.91348                      505021.98
3633975.90        0.87727
         505071.98    3633975.90        0.85810                      505121.98
3633975.90        0.86920
         505171.98    3633975.90        0.87177                      505221.98
3633975.90        0.86655
         502221.98    3634025.90        0.37190                      502271.98
3634025.90        0.38336
         502321.98    3634025.90        0.39641                      502371.98
3634025.90        0.41048
         502421.98    3634025.90        0.42513                      502471.98
3634025.90        0.44061
         502521.98    3634025.90        0.45707                      502571.98
```

3634025.90 0.47460
502621.98 3634025.90 0.49340 502671.98
3634025.90 0.51316
504771.98 3634025.90 1.24561 504821.98
3634025.90 1.22582
504871.98 3634025.90 1.13232 504921.98
3634025.90 1.04302
504971.98 3634025.90 0.95181 505021.98
3634025.90 0.91844
505071.98 3634025.90 0.90251 505121.98
3634025.90 0.92044
505171.98 3634025.90 0.93178 505221.98
3634025.90 0.92262
502221.98 3634075.90 0.37492 502271.98
3634075.90 0.38706
502321.98 3634075.90 0.40031 502371.98
3634075.90 0.41431
502421.98 3634075.90 0.42907 502471.98
3634075.90 0.44498
502521.98 3634075.90 0.46210 502571.98
3634075.90 0.48061
502621.98 3634075.90 0.49981 502671.98
3634075.90 0.52059
504771.98 3634075.90 1.33064 504821.98
3634075.90 1.27381
504871.98 3634075.90 1.15035 504921.98
3634075.90 1.07324
504971.98 3634075.90 1.00703 505021.98
3634075.90 0.97119
505071.98 3634075.90 0.95858 505121.98
3634075.90 0.97224
505171.98 3634075.90 0.99181 505221.98
3634075.90 0.98657
502221.98 3634125.90 0.37754 502271.98
3634125.90 0.39066
502321.98 3634125.90 0.40402 502371.98
3634125.90 0.41859
502421.98 3634125.90 0.43371 502471.98
3634125.90 0.44981
502521.98 3634125.90 0.46693 502571.98
3634125.90 0.48526
502621.98 3634125.90 0.50576 502671.98
3634125.90 0.52749
504771.98 3634125.90 1.32364 504821.98
3634125.90 1.27234
504871.98 3634125.90 1.20287 504921.98
3634125.90 1.10642
504971.98 3634125.90 1.06940 505021.98
3634125.90 1.03339
505071.98 3634125.90 1.02838 505121.98

3634125.90   1.04742
         505171.98   3634125.90   1.05842   505221.98
3634125.90   1.05422
         502221.98   3634175.90   0.37957   502271.98
3634175.90   0.39280
         502321.98   3634175.90   0.40639   502371.98
3634175.90   0.42292
         502421.98   3634175.90   0.43836   502471.98
3634175.90   0.45474
         502521.98   3634175.90   0.47201   502571.98
3634175.90   0.49069

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                  L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                  L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                  L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502621.98   3634175.90   0.51068   502671.98
3634175.90   0.53261
         504771.98   3634175.90   1.33240   504821.98
3634175.90   1.26951
         504871.98   3634175.90   1.21703   504921.98
3634175.90   1.17533
         504971.98   3634175.90   1.13732   505021.98
3634175.90   1.11545
         505071.98   3634175.90   1.08519   505121.98
3634175.90   1.11430

505171.98 3634175.90 1.12253 505221.98 3634175.90 1.13330
502221.98 3634225.90 0.38251 502271.98 3634225.90 0.39551
502321.98 3634225.90 0.41050 502371.98 3634225.90 0.42657
502421.98 3634225.90 0.44256 502471.98 3634225.90 0.45930
502521.98 3634225.90 0.47681 502571.98 3634225.90 0.49595
502621.98 3634225.90 0.51623 502671.98 3634225.90 0.53824
504771.98 3634225.90 1.38410 504821.98 3634225.90 1.32040
504871.98 3634225.90 1.28995 504921.98 3634225.90 1.24757
504971.98 3634225.90 1.24200 505021.98 3634225.90 1.19898
505071.98 3634225.90 1.16013 505121.98 3634225.90 1.17105
505171.98 3634225.90 1.14144 505221.98 3634225.90 1.18162
502221.98 3634275.90 0.38531 502271.98 3634275.90 0.39855
502321.98 3634275.90 0.41332 502371.98 3634275.90 0.42987
502421.98 3634275.90 0.44603 502471.98 3634275.90 0.46304
502521.98 3634275.90 0.48123 502571.98 3634275.90 0.50055
502621.98 3634275.90 0.52152 502671.98 3634275.90 0.54396
504771.98 3634275.90 1.48657 504821.98 3634275.90 1.42452
504871.98 3634275.90 1.38278 504921.98 3634275.90 1.35578
504971.98 3634275.90 1.36698 505021.98 3634275.90 1.28875
505071.98 3634275.90 1.24473 505121.98 3634275.90 1.25253
505171.98 3634275.90 1.18725 505221.98 3634275.90 1.22820
502221.98 3634325.90 0.38815 502271.98 3634325.90 0.40187
502321.98 3634325.90 0.41625 502371.98 3634325.90 0.43154
502421.98 3634325.90 0.44772 502471.98 3634325.90 0.46480
502521.98 3634325.90 0.48316 502571.98 3634325.90 0.50273

```
         502621.98    3634325.90        0.52369                      502671.98
3634325.90        0.54646
         504771.98    3634325.90        1.63289                      504821.98
3634325.90        1.58378
         504871.98    3634325.90        1.53577                      504921.98
3634325.90        1.51724
         504971.98    3634325.90        1.50210                      505021.98
3634325.90        1.38449
         505071.98    3634325.90        1.33274                      505121.98
3634325.90        1.35896
         505171.98    3634325.90        1.28334                      505221.98
3634325.90        1.27340
         502221.98    3634375.90        0.39115                      502271.98
3634375.90        0.40501
         502321.98    3634375.90        0.41898                      502371.98
3634375.90        0.43394
         502421.98    3634375.90        0.45097                      502471.98
3634375.90        0.46909
         502521.98    3634375.90        0.48869                      502571.98
3634375.90        0.50871
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 429
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634375.90        0.52908                      502671.98
```

3634375.90 0.55026
504771.98 3634375.90 1.81383 504821.98
3634375.90 1.78744
504871.98 3634375.90 1.72830 504921.98
3634375.90 1.70765
504971.98 3634375.90 1.63878 505021.98
3634375.90 1.49522
505071.98 3634375.90 1.44697 505121.98
3634375.90 1.48859
505171.98 3634375.90 1.40910 505221.98
3634375.90 1.35232
502221.98 3634425.90 0.39433 502271.98
3634425.90 0.40843
502321.98 3634425.90 0.42311 502371.98
3634425.90 0.43870
502421.98 3634425.90 0.45542 502471.98
3634425.90 0.47294
502521.98 3634425.90 0.49198 502571.98
3634425.90 0.51215
502621.98 3634425.90 0.53383 502671.98
3634425.90 0.55696
504771.98 3634425.90 2.00228 504821.98
3634425.90 1.95120
504871.98 3634425.90 1.97690 504921.98
3634425.90 2.00200
504971.98 3634425.90 1.80774 505021.98
3634425.90 1.70606
505071.98 3634425.90 1.69096 505121.98
3634425.90 1.65885
505171.98 3634425.90 1.55766 505221.98
3634425.90 1.47260
502221.98 3634475.90 0.39626 502271.98
3634475.90 0.41036
502321.98 3634475.90 0.42523 502371.98
3634475.90 0.44102
502421.98 3634475.90 0.45779 502471.98
3634475.90 0.47554
502521.98 3634475.90 0.49478 502571.98
3634475.90 0.51519
502621.98 3634475.90 0.53702 502671.98
3634475.90 0.56049
504771.98 3634475.90 2.22688 504821.98
3634475.90 2.10968
504871.98 3634475.90 2.13146 504921.98
3634475.90 2.34880
504971.98 3634475.90 2.16107 505021.98
3634475.90 2.04687
505071.98 3634475.90 1.99478 505121.98
3634475.90 1.87692
505171.98 3634475.90 1.74194 505221.98

```
3634475.90        1.62962
         502221.98    3634525.90        0.39795                        502271.98
3634525.90        0.41200
         502321.98    3634525.90        0.42695                        502371.98
3634525.90        0.44288
         502421.98    3634525.90        0.45972                        502471.98
3634525.90        0.47772
         502521.98    3634525.90        0.49687                        502571.98
3634525.90        0.51751
         502621.98    3634525.90        0.53957                        502671.98
3634525.90        0.56367
         504771.98    3634525.90        2.57822                        504821.98
3634525.90        2.37544
         504871.98    3634525.90        2.39152                        504921.98
3634525.90        2.72344
         504971.98    3634525.90        2.79051                        505021.98
3634525.90        2.56185
         505071.98    3634525.90        2.37267                        505121.98
3634525.90        2.12741
         505171.98    3634525.90        1.91179                        505221.98
3634525.90        1.74241
         502221.98    3634575.90        0.39969                        502271.98
3634575.90        0.41338
         502321.98    3634575.90        0.42828                        502371.98
3634575.90        0.44422
         502421.98    3634575.90        0.46122                        502471.98
3634575.90        0.47936
         502521.98    3634575.90        0.49862                        502571.98
3634575.90        0.51929
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 430
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634575.90	0.54147	502671.98	3634575.90	0.56556
504771.98	3634575.90	3.30359	504821.98	3634575.90	2.98463
504871.98	3634575.90	3.10889	504921.98	3634575.90	3.61576
504971.98	3634575.90	3.36330	505021.98	3634575.90	2.87312
505071.98	3634575.90	2.56792	505121.98	3634575.90	2.31504
505171.98	3634575.90	1.93956	505221.98	3634575.90	1.78580
502221.98	3634625.90	0.40079	502271.98	3634625.90	0.41488
502321.98	3634625.90	0.42930	502371.98	3634625.90	0.44523
502421.98	3634625.90	0.46219	502471.98	3634625.90	0.48035
502521.98	3634625.90	0.50010	502571.98	3634625.90	0.52076
502621.98	3634625.90	0.54297	502671.98	3634625.90	0.56670
504771.98	3634625.90	4.98952	504821.98	3634625.90	5.21699
504871.98	3634625.90	4.81248	504921.98	3634625.90	4.37265
504971.98	3634625.90	3.67569	505021.98	3634625.90	3.09661
505071.98	3634625.90	2.65467	505121.98	3634625.90	2.40128
505171.98	3634625.90	1.97690	505221.98	3634625.90	1.81334
502221.98	3634675.90	0.40127	502271.98	3634675.90	0.41580
502321.98	3634675.90	0.43093	502371.98	3634675.90	0.44675
502421.98	3634675.90	0.46378	502471.98	3634675.90	0.48188
502521.98	3634675.90	0.50115	502571.98	3634675.90	0.52188
502621.98	3634675.90	0.54401	502671.98	3634675.90	0.56747

```
         504771.98    3634675.90        7.32807                        504821.98
3634675.90        6.50627
         504871.98    3634675.90        5.33124                        504921.98
3634675.90        4.85970
         504971.98    3634675.90        4.27347                        505021.98
3634675.90        3.35655
         505071.98    3634675.90        2.70845                        505121.98
3634675.90        2.47695
         505171.98    3634675.90        2.12074                        505221.98
3634675.90        1.92156
         502221.98    3634725.90        0.40166                        502271.98
3634725.90        0.41603
         502321.98    3634725.90        0.43070                        502371.98
3634725.90        0.44663
         502421.98    3634725.90        0.46401                        502471.98
3634725.90        0.48217
         502521.98    3634725.90        0.50125                        502571.98
3634725.90        0.52202
         502621.98    3634725.90        0.54399                        502671.98
3634725.90        0.56774
         504771.98    3634725.90        8.39616                        504821.98
3634725.90        7.31806
         504871.98    3634725.90        6.48162                        504921.98
3634725.90        5.37723
         504971.98    3634725.90        4.33890                        505021.98
3634725.90        3.25690
         505071.98    3634725.90        2.78157                        505121.98
3634725.90        2.51022
         505171.98    3634725.90        2.16376                        505221.98
3634725.90        2.02354
         502221.98    3634775.90        0.40224                        502271.98
3634775.90        0.41659
         502321.98    3634775.90        0.43078                        502371.98
3634775.90        0.44645
         502421.98    3634775.90        0.46320                        502471.98
3634775.90        0.48126
         502521.98    3634775.90        0.50116                        502571.98
3634775.90        0.52149
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 431
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
```

```
                 L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                 L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                 L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634775.90        0.54337                       502671.98
3634775.90        0.56693
         504771.98    3634775.90        9.75985                       504821.98
3634775.90        8.33780
         504871.98    3634775.90        7.29354                       504921.98
3634775.90        5.61872
         504971.98    3634775.90        3.91537                       505021.98
3634775.90        3.12764
         505071.98    3634775.90        2.86908                       505121.98
3634775.90        2.63446
         505171.98    3634775.90        2.26997                       505221.98
3634775.90        2.10025
         502221.98    3634825.90        0.40229                       502271.98
3634825.90        0.41645
         502321.98    3634825.90        0.43113                       502371.98
3634825.90        0.44682
         502421.98    3634825.90        0.46317                       502471.98
3634825.90        0.48044
         502521.98    3634825.90        0.50034                       502571.98
3634825.90        0.52077
         502621.98    3634825.90        0.54238                       502671.98
3634825.90        0.56543
         504771.98    3634825.90       11.56459                       504821.98
3634825.90        9.60733
         504871.98    3634825.90        7.87706                       504921.98
3634825.90        5.43751
         504971.98    3634825.90        3.64771                       505021.98
3634825.90        3.00252
         505071.98    3634825.90        2.81817                       505121.98
3634825.90        2.65530
         505171.98    3634825.90        2.38292                       505221.98
3634825.90        2.22532
         502221.98    3634875.90        0.40235                       502271.98
```

```
3634875.90        0.41579
         502321.98    3634875.90        0.43046                        502371.98
3634875.90        0.44617
         502421.98    3634875.90        0.46275                        502471.98
3634875.90        0.48035
         502521.98    3634875.90        0.49909                        502571.98
3634875.90        0.51913
         502621.98    3634875.90        0.54057                        502671.98
3634875.90        0.56351
         504771.98    3634875.90       14.11747                        504821.98
3634875.90       11.34221
         504871.98    3634875.90        9.25863                        504921.98
3634875.90        5.65444
         504971.98    3634875.90        3.85754                        505021.98
3634875.90        3.20568
         505071.98    3634875.90        2.88117                        505121.98
3634875.90        2.73176
         505171.98    3634875.90        2.54461                        505221.98
3634875.90        2.41561
         502221.98    3634925.90        0.40157                        502271.98
3634925.90        0.41493
         502321.98    3634925.90        0.42955                        502371.98
3634925.90        0.44501
         502421.98    3634925.90        0.46145                        502471.98
3634925.90        0.47868
         502521.98    3634925.90        0.49733                        502571.98
3634925.90        0.51709
         502621.98    3634925.90        0.53808                        502671.98
3634925.90        0.56082
         504771.98    3634925.90       18.01733                        504821.98
3634925.90       13.77400
         504871.98    3634925.90       11.20919                        504921.98
3634925.90        6.99780
         504971.98    3634925.90        4.49085                        505021.98
3634925.90        3.56580
         505071.98    3634925.90        3.16788                        505121.98
3634925.90        2.97407
         505171.98    3634925.90        2.78920                        505221.98
3634925.90        2.65966
         502221.98    3634975.90        0.40051                        502271.98
3634975.90        0.41382
         502321.98    3634975.90        0.42810                        502371.98
3634975.90        0.44342
         502421.98    3634975.90        0.45964                        502471.98
3634975.90        0.47674
         502521.98    3634975.90        0.49513                        502571.98
3634975.90        0.51450
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***

INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634975.90	0.53523	502671.98	3634975.90	0.55742
504821.98	3634975.90	17.37519	504871.98	3634975.90	13.72562
504921.98	3634975.90	10.35625	504971.98	3634975.90	5.25398
505021.98	3634975.90	4.13265	505071.98	3634975.90	3.62493
505121.98	3634975.90	3.45003	505171.98	3634975.90	3.23101
505221.98	3634975.90	3.03531	502221.98	3635025.90	0.39918
502271.98	3635025.90	0.41231	502321.98	3635025.90	0.42653
502371.98	3635025.90	0.44156	502421.98	3635025.90	0.45766
502471.98	3635025.90	0.47461	502521.98	3635025.90	0.49267
502571.98	3635025.90	0.51175	502621.98	3635025.90	0.53210
502671.98	3635025.90	0.55370	504871.98	3635025.90	17.48522
504921.98	3635025.90	13.30124	504971.98	3635025.90	6.87680

505021.98 3635025.90 4.92147 505071.98
3635025.90 4.32196
505121.98 3635025.90 4.19452 505171.98
3635025.90 3.95447
505221.98 3635025.90 3.64071 502221.98
3635075.90 0.39736
502271.98 3635075.90 0.41045 502321.98
3635075.90 0.42481
502371.98 3635075.90 0.43962 502421.98
3635075.90 0.45552
502471.98 3635075.90 0.47226 502521.98
3635075.90 0.48994
502571.98 3635075.90 0.50863 502621.98
3635075.90 0.52843
502671.98 3635075.90 0.54972 504921.98
3635075.90 18.58521
504971.98 3635075.90 12.88667 505021.98
3635075.90 6.49673
505071.98 3635075.90 5.74538 505121.98
3635075.90 5.70900
505171.98 3635075.90 5.94462 505221.98
3635075.90 5.14891
502221.98 3635125.90 0.39560 502271.98
3635125.90 0.40842
502321.98 3635125.90 0.42261 502371.98
3635125.90 0.43730
502421.98 3635125.90 0.45288 502471.98
3635125.90 0.46942
502521.98 3635125.90 0.48674 502571.98
3635125.90 0.50507
502621.98 3635125.90 0.52460 502671.98
3635125.90 0.54530
505021.98 3635125.90 14.78220 505071.98
3635125.90 11.11749
505121.98 3635125.90 11.53487 505171.98
3635125.90 11.52510
505221.98 3635125.90 8.08900 502221.98
3635175.90 0.39358
502271.98 3635175.90 0.40628 502321.98
3635175.90 0.42020
502371.98 3635175.90 0.43472 502421.98
3635175.90 0.45004
502471.98 3635175.90 0.46623 502521.98
3635175.90 0.48334
502571.98 3635175.90 0.50133 502621.98
3635175.90 0.52032
502671.98 3635175.90 0.54070 505121.98
3635175.90 17.81097
505171.98 3635175.90 16.67701 505221.98
3635175.90 15.66169

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3635225.90	0.47935	502571.98	3635225.90	0.49704
502621.98	3635225.90	0.51582	502671.98	3635225.90	0.53565
502221.98	3635275.90	0.38880	502271.98	3635275.90	0.40126
502321.98	3635275.90	0.41459	502371.98	3635275.90	0.42857
502421.98	3635275.90	0.44328	502471.98	3635275.90	0.45883
502521.98	3635275.90	0.47530	502571.98	3635275.90	0.49259
502621.98	3635275.90	0.51094	502671.98	3635275.90	0.53041
502221.98	3635325.90	0.38608	502271.98		

3635325.90 0.39836
502321.98 3635325.90 0.41141 502371.98
3635325.90 0.42513
502421.98 3635325.90 0.43958 502471.98
3635325.90 0.45480
502521.98 3635325.90 0.47086 502571.98
3635325.90 0.48779
502621.98 3635325.90 0.50572 502671.98
3635325.90 0.52472
502221.98 3635375.90 0.38315 502271.98
3635375.90 0.39525
502321.98 3635375.90 0.40804 502371.98
3635375.90 0.42147
502421.98 3635375.90 0.43561 502471.98
3635375.90 0.45050
502521.98 3635375.90 0.46617 502571.98
3635375.90 0.48273
502621.98 3635375.90 0.50022 502671.98
3635375.90 0.51871
502221.98 3635425.90 0.38008 502271.98
3635425.90 0.39195
502321.98 3635425.90 0.40446 502371.98
3635425.90 0.41761
502421.98 3635425.90 0.43143 502471.98
3635425.90 0.44599
502521.98 3635425.90 0.46131 502571.98
3635425.90 0.47745
502621.98 3635425.90 0.49449 502671.98
3635425.90 0.51247
504771.98 3635425.90 4.97019 502221.98
3635475.90 0.37684
502271.98 3635475.90 0.38850 502321.98
3635475.90 0.40073
502371.98 3635475.90 0.41359 502421.98
3635475.90 0.42709
502471.98 3635475.90 0.44664 502521.98
3635475.90 0.45623
502571.98 3635475.90 0.47196 502621.98
3635475.90 0.48854
502671.98 3635475.90 0.50603 504771.98
3635475.90 4.36642
504821.98 3635475.90 4.69588 504871.98
3635475.90 5.06037
504921.98 3635475.90 5.42869 502221.98
3635525.90 0.38958
502271.98 3635525.90 0.38488 502321.98
3635525.90 0.39685
502371.98 3635525.90 0.40940 502421.98
3635525.90 0.42259
502471.98 3635525.90 0.43887 502521.98

3635525.90 0.45099
 502571.98 3635525.90 0.46622 502621.98
3635525.90 0.48340
 502671.98 3635525.90 0.50253 502721.98
3635525.90 0.52410
 502771.98 3635525.90 0.54166 502821.98
3635525.90 0.56024
 502871.98 3635525.90 0.57697 502921.98
3635525.90 0.59836
 502971.98 3635525.90 0.62110 503021.98
3635525.90 0.64517
 503071.98 3635525.90 0.67316 503121.98
3635525.90 0.70051
 503171.98 3635525.90 0.72962 503221.98
3635525.90 0.76066

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503271.98	3635525.90	0.79329	503321.98	3635525.90	0.82735
503371.98	3635525.90	0.86189	503421.98	3635525.90	0.90053
503471.98	3635525.90	0.93915	503521.98	3635525.90	0.98217

503571.98 3635525.90 1.03017 503621.98
3635525.90 1.08230
503671.98 3635525.90 1.13414 503721.98
3635525.90 1.18930
503771.98 3635525.90 1.24727 503821.98
3635525.90 1.30576
503871.98 3635525.90 1.37625 503921.98
3635525.90 1.44477
503971.98 3635525.90 1.51746 504021.98
3635525.90 1.60131
504071.98 3635525.90 1.68496 504121.98
3635525.90 1.77533
504171.98 3635525.90 1.87291 504221.98
3635525.90 1.97428
504271.98 3635525.90 2.08848 504321.98
3635525.90 2.20886
504371.98 3635525.90 2.33751 504421.98
3635525.90 2.47672
504471.98 3635525.90 2.62515 504521.98
3635525.90 2.78814
504571.98 3635525.90 2.97283 504621.98
3635525.90 3.16754
504671.98 3635525.90 3.37782 504721.98
3635525.90 3.60948
504771.98 3635525.90 3.84855 504821.98
3635525.90 4.10516
504871.98 3635525.90 4.37193 504921.98
3635525.90 4.62625
504971.98 3635525.90 4.90745 505021.98
3635525.90 5.19564
505071.98 3635525.90 5.45080 505121.98
3635525.90 5.68521
505171.98 3635525.90 5.89706 505221.98
3635525.90 6.08369
502221.98 3635575.90 0.38793 502271.98
3635575.90 0.38396
502321.98 3635575.90 0.39282 502371.98
3635575.90 0.40604
502421.98 3635575.90 0.42053 502471.98
3635575.90 0.43328
502521.98 3635575.90 0.44605 502571.98
3635575.90 0.46116
502621.98 3635575.90 0.47776 502671.98
3635575.90 0.50004
502721.98 3635575.90 0.51774 502771.98
3635575.90 0.53399
502821.98 3635575.90 0.55187 502871.98
3635575.90 0.57124
502921.98 3635575.90 0.59131 502971.98
3635575.90 0.61421

```
         503021.98    3635575.90        0.63701                        503071.98
3635575.90        0.65927
         503121.98    3635575.90        0.68587                        503171.98
3635575.90        0.71359
         503221.98    3635575.90        0.74136                        503271.98
3635575.90        0.77254
         503321.98    3635575.90        0.80417                        503371.98
3635575.90        0.83811
         503421.98    3635575.90        0.87357                        503471.98
3635575.90        0.91219
         503521.98    3635575.90        0.95479                        503571.98
3635575.90        0.99372
         503621.98    3635575.90        1.04244                        503671.98
3635575.90        1.09346
         503721.98    3635575.90        1.14438                        503771.98
3635575.90        1.19784
         503821.98    3635575.90        1.25666                        503871.98
3635575.90        1.31614
         503921.98    3635575.90        1.37914                        503971.98
3635575.90        1.44694
         504021.98    3635575.90        1.52183                        504071.98
3635575.90        1.59847
         504121.98    3635575.90        1.68056                        504171.98
3635575.90        1.76807
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 435
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                 INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
```

Y-COORD (M) CONC

- - - -

```
3635625.90        0.94788
         503571.98    3635625.90        0.96563                        503621.98
3635625.90        1.00372
         503671.98    3635625.90        1.04885                        503721.98
3635625.90        1.09669
         503771.98    3635625.90        1.14716                        503821.98
3635625.90        1.20140
         503871.98    3635625.90        1.26195                        503921.98
3635625.90        1.32056
         503971.98    3635625.90        1.38266                        504021.98
3635625.90        1.44879
         504071.98    3635625.90        1.51806                        504121.98
3635625.90        1.59207
         504171.98    3635625.90        1.67054                        504221.98
3635625.90        1.75421
         504271.98    3635625.90        1.84207                        504321.98
3635625.90        1.93269
         504371.98    3635625.90        2.03217                        504421.98
3635625.90        2.13909
         504471.98    3635625.90        2.24935                        504521.98
3635625.90        2.36757
         504571.98    3635625.90        2.48987                        504621.98
3635625.90        2.62475
         504671.98    3635625.90        2.76389                        504721.98
3635625.90        2.91290
         504771.98    3635625.90        3.06836                        504821.98
3635625.90        3.22543
         504871.98    3635625.90        3.37973                        504921.98
3635625.90        3.52615
         504971.98    3635625.90        3.69100                        505021.98
3635625.90        3.82588
         505071.98    3635625.90        3.96472                        505121.98
3635625.90        4.11905
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44

                                  PAGE 436
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
```

, L0001021   , L0001022   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505171.98	3635625.90	4.23226	505221.98	3635625.90	4.33366
502221.98	3635675.90	0.39017	502271.98	3635675.90	0.38869
502321.98	3635675.90	0.39816	502371.98	3635675.90	0.40768
502421.98	3635675.90	0.42042	502471.98	3635675.90	0.43235
502521.98	3635675.90	0.44443	502571.98	3635675.90	0.45624
502621.98	3635675.90	0.46906	502671.98	3635675.90	0.48375
502721.98	3635675.90	0.50069	502771.98	3635675.90	0.51984
502821.98	3635675.90	0.53822	502871.98	3635675.90	0.56066
502921.98	3635675.90	0.58965	502971.98	3635675.90	0.60829
503021.98	3635675.90	0.63497	503071.98	3635675.90	0.65863
503121.98	3635675.90	0.68612	503171.98	3635675.90	0.71385
503221.98	3635675.90	0.73386	503271.98	3635675.90	0.75966
503321.98	3635675.90	0.79067	503371.98	3635675.90	0.81908
503421.98	3635675.90	0.84707	503471.98	3635675.90	0.88751
503521.98	3635675.90	0.93025	503571.98	3635675.90	0.95072
503621.98	3635675.90	0.96949	503671.98	3635675.90	1.01181
503721.98	3635675.90	1.05618	503771.98	3635675.90	1.10320
503821.98	3635675.90	1.15241	503871.98	3635675.90	1.20546
503921.98	3635675.90	1.25883	503971.98	3635675.90	1.31753

```
         504021.98    3635675.90        1.38026                        504071.98
3635675.90        1.44326
         504121.98    3635675.90        1.50957                        504171.98
3635675.90        1.57995
         504221.98    3635675.90        1.65444                        504271.98
3635675.90        1.73321
         504321.98    3635675.90        1.81514                        504371.98
3635675.90        1.90032
         504421.98    3635675.90        1.99182                        504471.98
3635675.90        2.09059
         504521.98    3635675.90        2.19408                        504571.98
3635675.90        2.29649
         504621.98    3635675.90        2.41133                        504671.98
3635675.90        2.52350
         504721.98    3635675.90        2.64202                        504771.98
3635675.90        2.77753
         504821.98    3635675.90        2.89618                        504871.98
3635675.90        3.01872
         504921.98    3635675.90        3.13501                        504971.98
3635675.90        3.26312
         505021.98    3635675.90        3.37460                        505071.98
3635675.90        3.47552
         505121.98    3635675.90        3.59100                        505171.98
3635675.90        3.68092
         505221.98    3635675.90        3.75573                        502221.98
3635725.90        0.38884
         502271.98    3635725.90        0.38902                        502321.98
3635725.90        0.39316
         502371.98    3635725.90        0.40149                        502421.98
3635725.90        0.41378
         502471.98    3635725.90        0.42531                        502521.98
3635725.90        0.43804
         502571.98    3635725.90        0.44863                        502621.98
3635725.90        0.46107
         502671.98    3635725.90        0.47614                        502721.98
3635725.90        0.49178
         502771.98    3635725.90        0.51098                        502821.98
3635725.90        0.53359
         502871.98    3635725.90        0.55474                        502921.98
3635725.90        0.58817
         502971.98    3635725.90        0.60988                        503021.98
3635725.90        0.63961
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 437
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***

INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503071.98	3635725.90	0.66092	503121.98	3635725.90	0.68592
503171.98	3635725.90	0.71059	503221.98	3635725.90	0.72573
503271.98	3635725.90	0.75202	503321.98	3635725.90	0.78325
503371.98	3635725.90	0.81139	503421.98	3635725.90	0.83211
503471.98	3635725.90	0.86387	503521.98	3635725.90	0.90067
503571.98	3635725.90	0.92107	503621.98	3635725.90	0.95393
503671.98	3635725.90	0.97634	503721.98	3635725.90	1.01787
503771.98	3635725.90	1.06164	503821.98	3635725.90	1.10707
503871.98	3635725.90	1.15444	503921.98	3635725.90	1.20434
503971.98	3635725.90	1.25687	504021.98	3635725.90	1.31572
504071.98	3635725.90	1.37314	504121.98	3635725.90	1.43305
504171.98	3635725.90	1.49644	504221.98	3635725.90	1.56414
504271.98	3635725.90	1.63420	504321.98	3635725.90	1.70600
504371.98	3635725.90	1.78242	504421.98	3635725.90	1.86141
504471.98	3635725.90	1.94747	504521.98		

3635725.90 2.03643
504571.98 3635725.90 2.12529 504621.98
3635725.90 2.22024
504671.98 3635725.90 2.31792 504721.98
3635725.90 2.41260
504771.98 3635725.90 2.51207 504821.98
3635725.90 2.61644
504871.98 3635725.90 2.71384 504921.98
3635725.90 2.81116
504971.98 3635725.90 2.91257 505021.98
3635725.90 3.00512
505071.98 3635725.90 3.08413 505121.98
3635725.90 3.16888
505171.98 3635725.90 3.23833 505221.98
3635725.90 3.29650
502221.98 3635775.90 0.38736 502271.98
3635775.90 0.38542
502321.98 3635775.90 0.39052 502371.98
3635775.90 0.39567
502421.98 3635775.90 0.40835 502471.98
3635775.90 0.41961
502521.98 3635775.90 0.43217 502571.98
3635775.90 0.44230
502621.98 3635775.90 0.45465 502671.98
3635775.90 0.46871
502721.98 3635775.90 0.48239 502771.98
3635775.90 0.49837
502821.98 3635775.90 0.52223 502871.98
3635775.90 0.54573
502921.98 3635775.90 0.57953 502971.98
3635775.90 0.60280
503021.98 3635775.90 0.62758 503071.98
3635775.90 0.64877
503121.98 3635775.90 0.67112 503171.98
3635775.90 0.69430
503221.98 3635775.90 0.71052 503271.98
3635775.90 0.72740
503321.98 3635775.90 0.76064 503371.98
3635775.90 0.80001
503421.98 3635775.90 0.82653 503471.98
3635775.90 0.85019
503521.98 3635775.90 0.89456 503571.98
3635775.90 0.91483
503621.98 3635775.90 0.94389 503671.98
3635775.90 0.96244
503721.98 3635775.90 0.98183 503771.98
3635775.90 1.02260
503821.98 3635775.90 1.06427 503871.98
3635775.90 1.10881
503921.98 3635775.90 1.16101 503971.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                                 INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
                 L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
                 L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
                 L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

505021.98 3635775.90 2.69510 505071.98
3635775.90 2.75801
505121.98 3635775.90 2.82223 505171.98
3635775.90 2.87710
505221.98 3635775.90 2.92371 502221.98
3635825.90 0.38377
502271.98 3635825.90 0.38152 502321.98
3635825.90 0.38700
502371.98 3635825.90 0.39026 502421.98
3635825.90 0.40449
502471.98 3635825.90 0.41453 502521.98
3635825.90 0.42813
502571.98 3635825.90 0.43662 502621.98
3635825.90 0.44794
502671.98 3635825.90 0.46152 502721.98
3635825.90 0.47691
502771.98 3635825.90 0.49184 502821.98
3635825.90 0.51474
502871.98 3635825.90 0.53646 502921.98
3635825.90 0.57322
502971.98 3635825.90 0.59202 503021.98
3635825.90 0.61265
503071.98 3635825.90 0.63080 503121.98
3635825.90 0.65263
503171.98 3635825.90 0.67622 503221.98
3635825.90 0.68062
503271.98 3635825.90 0.70050 503321.98
3635825.90 0.73187
503371.98 3635825.90 0.77525 503421.98
3635825.90 0.80535
503471.98 3635825.90 0.83461 503521.98
3635825.90 0.84653
503571.98 3635825.90 0.88496 503621.98
3635825.90 0.93154
503671.98 3635825.90 0.94988 503721.98
3635825.90 0.97377
503771.98 3635825.90 0.99122 503821.98
3635825.90 1.02973
503871.98 3635825.90 1.06886 503921.98
3635825.90 1.11631
503971.98 3635825.90 1.16256 504021.98
3635825.90 1.19397
504071.98 3635825.90 1.24626 504121.98
3635825.90 1.29595
504171.98 3635825.90 1.34655 504221.98
3635825.90 1.40157
504271.98 3635825.90 1.45963 504321.98
3635825.90 1.51713
504371.98 3635825.90 1.57471 504421.98
3635825.90 1.63620

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504471.98	3635825.90	1.70083	504521.98	3635825.90	1.76758
504571.98	3635825.90	1.83344	504621.98	3635825.90	1.90210
504671.98	3635825.90	1.97034	504721.98	3635825.90	2.03771
504771.98	3635825.90	2.10705	504821.98	3635825.90	2.17724
504871.98	3635825.90	2.24515	504921.98	3635825.90	2.30945
504971.98	3635825.90	2.37328	505021.98	3635825.90	2.43241
505071.98	3635825.90	2.48722	505121.98	3635825.90	2.53517
505171.98	3635825.90	2.57905	505221.98	3635825.90	2.61547
502221.98	3635875.90	0.38127	502271.98	3635875.90	0.37613
502321.98	3635875.90	0.38054	502371.98	3635875.90	0.38539
502421.98	3635875.90	0.39985	502471.98		

3635875.90 0.41055
502521.98 3635875.90 0.42473 502571.98
3635875.90 0.43354
502621.98 3635875.90 0.44897 502671.98
3635875.90 0.46191
502721.98 3635875.90 0.47484 502771.98
3635875.90 0.48875
502821.98 3635875.90 0.50870 502871.98
3635875.90 0.52869
502921.98 3635875.90 0.56341 502971.98
3635875.90 0.58101
503021.98 3635875.90 0.59579 503071.98
3635875.90 0.61251
503121.98 3635875.90 0.63260 503171.98
3635875.90 0.65563
503221.98 3635875.90 0.67217 503271.98
3635875.90 0.68641
503321.98 3635875.90 0.72186 503371.98
3635875.90 0.74840
503421.98 3635875.90 0.77886 503471.98
3635875.90 0.80491
503521.98 3635875.90 0.77586 503571.98
3635875.90 0.84684
503621.98 3635875.90 0.89789 503671.98
3635875.90 0.91738
503721.98 3635875.90 0.94369 503771.98
3635875.90 0.96925
503821.98 3635875.90 1.00865 503871.98
3635875.90 1.05750
503921.98 3635875.90 1.09123 503971.98
3635875.90 1.12551
504021.98 3635875.90 1.14411 504071.98
3635875.90 1.19696
504121.98 3635875.90 1.23746 504171.98
3635875.90 1.28247
504221.98 3635875.90 1.33511 504271.98
3635875.90 1.38883
504321.98 3635875.90 1.43673 504371.98
3635875.90 1.48925
504421.98 3635875.90 1.54605 504471.98
3635875.90 1.59458
504521.98 3635875.90 1.65181 504571.98
3635875.90 1.70994
504621.98 3635875.90 1.76871 504671.98
3635875.90 1.82733
504721.98 3635875.90 1.88371 504771.98
3635875.90 1.94228
504821.98 3635875.90 2.00101 504871.98
3635875.90 2.05691
504921.98 3635875.90 2.11081 504971.98

3635875.90   2.16421
         505021.98   3635875.90   2.21060   505071.98
3635875.90   2.25355
         505121.98   3635875.90   2.29379   505171.98
3635875.90   2.32805
         505221.98   3635875.90   2.35700   502221.98
3635925.90   0.37759
         502271.98   3635925.90   0.37188   502321.98
3635925.90   0.37828
         502371.98   3635925.90   0.38185   502421.98
3635925.90   0.39507
         502471.98   3635925.90   0.40583   502521.98
3635925.90   0.42055
         502571.98   3635925.90   0.43156   502621.98
3635925.90   0.44452
         502671.98   3635925.90   0.45723   502721.98
3635925.90   0.46994
         502771.98   3635925.90   0.48329   502821.98
3635925.90   0.50279

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                 INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                  L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                  L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                  L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502871.98   3635925.90   0.52234   502921.98
3635925.90   0.55107

```
         502971.98    3635925.90        0.56757                    503021.98
3635925.90        0.57917
         503071.98    3635925.90        0.59366                    503121.98
3635925.90        0.61251
         503171.98    3635925.90        0.63196                    503221.98
3635925.90        0.64881
         503271.98    3635925.90        0.67032                    503321.98
3635925.90        0.69750
         503371.98    3635925.90        0.72438                    503421.98
3635925.90        0.75045
         503471.98    3635925.90        0.75452                    503521.98
3635925.90        0.74567
         503571.98    3635925.90        0.80557                    503621.98
3635925.90        0.86558
         503671.98    3635925.90        0.88785                    503721.98
3635925.90        0.91610
         503771.98    3635925.90        0.94907                    503821.98
3635925.90        0.98139
         503871.98    3635925.90        1.01211                    503921.98
3635925.90        1.04650
         503971.98    3635925.90        1.08482                    504021.98
3635925.90        1.10260
         504071.98    3635925.90        1.14738                    504121.98
3635925.90        1.19595
         504171.98    3635925.90        1.24257                    504221.98
3635925.90        1.30246
         504271.98    3635925.90        1.33027                    504321.98
3635925.90        1.36555
         504371.98    3635925.90        1.41548                    504421.98
3635925.90        1.46660
         504471.98    3635925.90        1.51433                    504521.98
3635925.90        1.56064
         504571.98    3635925.90        1.60167                    504621.98
3635925.90        1.64810
         504671.98    3635925.90        1.69953                    504721.98
3635925.90        1.74943
         504771.98    3635925.90        1.79817                    504821.98
3635925.90        1.84547
         504871.98    3635925.90        1.89275                    504921.98
3635925.90        1.93772
         504971.98    3635925.90        1.98287                    505021.98
3635925.90        2.02274
         505071.98    3635925.90        2.05831                    505121.98
3635925.90        2.08844
         505171.98    3635925.90        2.11506                    505221.98
3635925.90        2.14747
         502221.98    3635975.90        0.37372                    502271.98
3635975.90        0.37301
         502321.98    3635975.90        0.37668                    502371.98
3635975.90        0.38040
```

```
         502421.98    3635975.90        0.39175                        502471.98
3635975.90        0.40191
         502521.98    3635975.90        0.41478                        502571.98
3635975.90        0.42394
         502621.98    3635975.90        0.43672                        502671.98
3635975.90        0.45118
         502721.98    3635975.90        0.46454                        502771.98
3635975.90        0.47892
         502821.98    3635975.90        0.49966                        502871.98
3635975.90        0.51461
         502921.98    3635975.90        0.53820                        502971.98
3635975.90        0.55371
         503021.98    3635975.90        0.56320                        503071.98
3635975.90        0.57847
         503121.98    3635975.90        0.59344                        503171.98
3635975.90        0.61106
         503221.98    3635975.90        0.62888                        503271.98
3635975.90        0.65209
         503321.98    3635975.90        0.67548                        503371.98
3635975.90        0.70408
         503421.98    3635975.90        0.70763                        503471.98
3635975.90        0.71198
         503521.98    3635975.90        0.74234                        503571.98
3635975.90        0.80024
         503621.98    3635975.90        0.83346                        503671.98
3635975.90        0.85927
         503721.98    3635975.90        0.88771                        503771.98
3635975.90        0.91733
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 441
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503821.98	3635975.90	0.94645	503871.98	3635975.90	0.97412
503921.98	3635975.90	1.00593	503971.98	3635975.90	1.04009
504021.98	3635975.90	1.07807	504071.98	3635975.90	1.11914
504121.98	3635975.90	1.16066	504171.98	3635975.90	1.20378
504221.98	3635975.90	1.24531	504271.98	3635975.90	1.28162
504321.98	3635975.90	1.32245	504371.98	3635975.90	1.36844
504421.98	3635975.90	1.41130	504471.98	3635975.90	1.43979
504521.98	3635975.90	1.48298	504571.98	3635975.90	1.52723
504621.98	3635975.90	1.57422	504671.98	3635975.90	1.60922
504721.98	3635975.90	1.64893	504771.98	3635975.90	1.67595
504821.98	3635975.90	1.71158	504871.98	3635975.90	1.75018
504921.98	3635975.90	1.78706	504971.98	3635975.90	1.82455
505021.98	3635975.90	1.85755	505071.98	3635975.90	1.88686
505121.98	3635975.90	1.91186	505171.98	3635975.90	1.93308
505221.98	3635975.90	1.94921	501721.98	3632475.90	0.19563
501821.98	3632475.90	0.20243	501921.98	3632475.90	0.20951
502021.98	3632475.90	0.21692	502121.98	3632475.90	0.22469
502221.98	3632475.90	0.23273	502321.98	3632475.90	0.24106
502421.98	3632475.90	0.24976	502521.98	3632475.90	0.25878
502621.98	3632475.90	0.26816	502721.98	3632475.90	0.27777
502821.98	3632475.90	0.28758	502921.98	3632475.90	0.29757
503021.98	3632475.90	0.30013	503121.98		

```
3632475.90        0.29214
         503221.98    3632475.90        0.30383                        503321.98
3632475.90        0.28351
         503421.98    3632475.90        0.26832                        503721.98
3632475.90        0.24701
         503821.98    3632475.90        0.22636                        503921.98
3632475.90        0.20975
         504021.98    3632475.90        0.19693                        504121.98
3632475.90        0.19477
         504221.98    3632475.90        0.18296                        504321.98
3632475.90        0.17866
         504421.98    3632475.90        0.19635                        504521.98
3632475.90        0.21461
         504621.98    3632475.90        0.18855                        504721.98
3632475.90        0.18026
         504821.98    3632475.90        0.18293                        504921.98
3632475.90        0.17973
         505021.98    3632475.90        0.17203                        505121.98
3632475.90        0.17456
         505221.98    3632475.90        0.16596                        505321.98
3632475.90        0.16360
         505421.98    3632475.90        0.16660                        505521.98
3632475.90        0.17145
         505621.98    3632475.90        0.17995                        505721.98
3632475.90        0.19048
         501721.98    3632575.90        0.20110                        501821.98
3632575.90        0.20835
         501921.98    3632575.90        0.21592                        502021.98
3632575.90        0.22388
         502121.98    3632575.90        0.23219                        502221.98
3632575.90        0.24080
         502321.98    3632575.90        0.24988                        502421.98
3632575.90        0.25935
         502521.98    3632575.90        0.26921                        502621.98
3632575.90        0.27945
         502721.98    3632575.90        0.29007                        502821.98
3632575.90        0.30094
```



```
                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                 INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
```

```
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         502921.98    3632575.90        0.31206                      503021.98
3632575.90        0.32335
         503121.98    3632575.90        0.31941                      503221.98
3632575.90        0.31810
         503321.98    3632575.90        0.30290                      503421.98
3632575.90        0.27764
         503721.98    3632575.90        0.24697                      503821.98
3632575.90        0.22748
         503921.98    3632575.90        0.18323                      504021.98
3632575.90        0.17174
         504121.98    3632575.90        0.17053                      504221.98
3632575.90        0.16883
         504321.98    3632575.90        0.16464                      504421.98
3632575.90        0.17646
         504521.98    3632575.90        0.20466                      504621.98
3632575.90        0.20035
         504721.98    3632575.90        0.18160                      504821.98
3632575.90        0.18675
         504921.98    3632575.90        0.18180                      505021.98
3632575.90        0.17421
         505121.98    3632575.90        0.17791                      505221.98
3632575.90        0.17693
         505321.98    3632575.90        0.17775                      505421.98
3632575.90        0.18410
         505521.98    3632575.90        0.18923                      505621.98
3632575.90        0.19720
         505721.98    3632575.90        0.20283                      501721.98
3632675.90        0.20666
         501821.98    3632675.90        0.21436                      501921.98
3632675.90        0.22248
         502021.98    3632675.90        0.23107                      502121.98
3632675.90        0.23996
         502221.98    3632675.90        0.24923                      502321.98
3632675.90        0.25908
```

```
         502421.98    3632675.90        0.26934                        502521.98
3632675.90        0.28010
         502621.98    3632675.90        0.29139                        502721.98
3632675.90        0.30308
         502821.98    3632675.90        0.31518                        502921.98
3632675.90        0.31166
         503021.98    3632675.90        0.31112                        503721.98
3632675.90        0.25860
         503821.98    3632675.90        0.24451                        503921.98
3632675.90        0.22258
         504021.98    3632675.90        0.19428                        504121.98
3632675.90        0.17962
         504221.98    3632675.90        0.17220                        504321.98
3632675.90        0.17169
         504421.98    3632675.90        0.18126                        504521.98
3632675.90        0.19282
         504621.98    3632675.90        0.19409                        504721.98
3632675.90        0.19254
         504821.98    3632675.90        0.19442                        504921.98
3632675.90        0.18930
         505021.98    3632675.90        0.18501                        505121.98
3632675.90        0.18661
         505221.98    3632675.90        0.18884                        505321.98
3632675.90        0.19084
         505421.98    3632675.90        0.19979                        505521.98
3632675.90        0.20953
         505621.98    3632675.90        0.21425                        505721.98
3632675.90        0.21053
         502421.98    3632775.90        0.28013                        502521.98
3632775.90        0.29185
         502621.98    3632775.90        0.30412                        502721.98
3632775.90        0.31685
         502821.98    3632775.90        0.33029                        502921.98
3632775.90        0.26546
         503021.98    3632775.90        0.23430                        503121.98
3632775.90        0.26857
         503221.98    3632775.90        0.30449                        503621.98
3632775.90        0.28904
         503721.98    3632775.90        0.27788                        503821.98
3632775.90        0.24777
         503921.98    3632775.90        0.24341                        504021.98
3632775.90        0.23657
         504121.98    3632775.90        0.21351                        504221.98
3632775.90        0.19370
         504321.98    3632775.90        0.18555                        504421.98
3632775.90        0.19171
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***

INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504521.98	3632775.90	0.19873	504621.98	3632775.90	0.20085
504721.98	3632775.90	0.20289	504821.98	3632775.90	0.20097
504921.98	3632775.90	0.19972	505021.98	3632775.90	0.19830
505121.98	3632775.90	0.20060	505221.98	3632775.90	0.20299
505321.98	3632775.90	0.20897	505421.98	3632775.90	0.21856
505521.98	3632775.90	0.22831	505621.98	3632775.90	0.23454
505721.98	3632775.90	0.23255	501721.98	3632875.90	0.21814
501821.98	3632875.90	0.22689	501921.98	3632875.90	0.23613
502021.98	3632875.90	0.24584	502121.98	3632875.90	0.25616
502221.98	3632875.90	0.26689	502321.98	3632875.90	0.27840
502421.98	3632875.90	0.29068	502521.98	3632875.90	0.30352
502621.98	3632875.90	0.31700	502721.98	3632875.90	0.33141
502821.98	3632875.90	0.34637	502921.98		

3632875.90 0.24880
503021.98 3632875.90 0.18740 503121.98
3632875.90 0.23098
503221.98 3632875.90 0.34532 503321.98
3632875.90 0.35927
503421.98 3632875.90 0.34927 503621.98
3632875.90 0.30676
503721.98 3632875.90 0.29286 503821.98
3632875.90 0.25729
503921.98 3632875.90 0.22345 504021.98
3632875.90 0.21967
504121.98 3632875.90 0.21490 504221.98
3632875.90 0.20091
504321.98 3632875.90 0.20048 504421.98
3632875.90 0.20334
504521.98 3632875.90 0.20872 504621.98
3632875.90 0.21178
504721.98 3632875.90 0.21458 504821.98
3632875.90 0.21210
504921.98 3632875.90 0.21238 505021.98
3632875.90 0.21521
505121.98 3632875.90 0.21796 505221.98
3632875.90 0.22378
505321.98 3632875.90 0.23183 505421.98
3632875.90 0.24394
505521.98 3632875.90 0.24800 505621.98
3632875.90 0.25649
505721.98 3632875.90 0.25270 501721.98
3632975.90 0.22381
501821.98 3632975.90 0.23316 501921.98
3632975.90 0.24304
502021.98 3632975.90 0.25354 502121.98
3632975.90 0.26459
505321.98 3632975.90 0.26223 505421.98
3632975.90 0.26911
505521.98 3632975.90 0.27875 505621.98
3632975.90 0.28131
505721.98 3632975.90 0.27570 501721.98
3633075.90 0.22940
501821.98 3633075.90 0.23926 501921.98
3633075.90 0.24989
502021.98 3633075.90 0.26112 502121.98
3633075.90 0.27313
505321.98 3633075.90 0.28868 505421.98
3633075.90 0.30250
505521.98 3633075.90 0.31153 505621.98
3633075.90 0.31111
505721.98 3633075.90 0.29948 501721.98
3633175.90 0.23499
501821.98 3633175.90 0.24546 501921.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                 L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                 L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                 L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         505521.98   3633175.90   0.34097   505621.98
3633175.90   0.34772
         505721.98   3633175.90   0.33317   501721.98
3633275.90   0.24054
         501821.98   3633275.90   0.25174   501921.98
3633275.90   0.26361
         502021.98   3633275.90   0.27643   502121.98
3633275.90   0.28991
         505321.98   3633275.90   0.36133   505421.98
3633275.90   0.35808
         505521.98   3633275.90   0.37358   505621.98
3633275.90   0.38784
         505721.98   3633275.90   0.37549   501721.98
3633375.90   0.24598
         501821.98   3633375.90   0.25774   501921.98
3633375.90   0.27030

```
         502021.98    3633375.90        0.28387                    502121.98
3633375.90        0.29851
         505321.98    3633375.90        0.41339                    505421.98
3633375.90        0.39669
         505521.98    3633375.90        0.40322                    505621.98
3633375.90        0.42588
         505721.98    3633375.90        0.42329                    501721.98
3633475.90        0.25142
         501821.98    3633475.90        0.26379                    501921.98
3633475.90        0.27721
         502021.98    3633475.90        0.29159                    502121.98
3633475.90        0.30688
         505321.98    3633475.90        0.46533                    505421.98
3633475.90        0.44330
         505521.98    3633475.90        0.45119                    505621.98
3633475.90        0.46024
         505721.98    3633475.90        0.46780                    501721.98
3633575.90        0.25671
         501821.98    3633575.90        0.26974                    501921.98
3633575.90        0.28373
         502021.98    3633575.90        0.29884                    502121.98
3633575.90        0.31640
         505321.98    3633575.90        0.51777                    505421.98
3633575.90        0.48765
         505521.98    3633575.90        0.49505                    505621.98
3633575.90        0.50940
         505721.98    3633575.90        0.51350                    501721.98
3633675.90        0.26190
         501821.98    3633675.90        0.27534                    501921.98
3633675.90        0.29014
         502021.98    3633675.90        0.30626                    502121.98
3633675.90        0.32458
         505321.98    3633675.90        0.56384                    505421.98
3633675.90        0.52667
         505521.98    3633675.90        0.53263                    505621.98
3633675.90        0.54543
         505721.98    3633675.90        0.56318                    501721.98
3633775.90        0.26691
         501821.98    3633775.90        0.28094                    501921.98
3633775.90        0.29628
         502021.98    3633775.90        0.31305                    502121.98
3633775.90        0.33132
         505321.98    3633775.90        0.62755                    505421.98
3633775.90        0.59833
         505521.98    3633775.90        0.58164                    505621.98
3633775.90        0.59227
         505721.98    3633775.90        0.61573                    501721.98
3633875.90        0.27151
         501821.98    3633875.90        0.28635                    501921.98
3633875.90        0.30171
```

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                  L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                  L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                  L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         505521.98   3633975.90   0.74035   505621.98
3633975.90   0.72619
         505721.98   3633975.90   0.73602   501721.98
3634075.90   0.27966
         501821.98   3634075.90   0.29535   501921.98
3634075.90   0.31247
         502021.98   3634075.90   0.33121   502121.98

3634075.90 0.35183
505321.98 3634075.90 0.86299 505421.98
3634075.90 0.84888
505521.98 3634075.90 0.86365 505621.98
3634075.90 0.85190
505721.98 3634075.90 0.79607 501721.98
3634175.90 0.28267
501821.98 3634175.90 0.29913 501921.98
3634175.90 0.31683
502021.98 3634175.90 0.33531 502121.98
3634175.90 0.35699
505321.98 3634175.90 1.04559 505421.98
3634175.90 1.03170
505521.98 3634175.90 1.01526 505621.98
3634175.90 0.90710
505721.98 3634175.90 0.82126 501721.98
3634275.90 0.28556
501821.98 3634275.90 0.30184 501921.98
3634275.90 0.31970
502021.98 3634275.90 0.33921 502121.98
3634275.90 0.36100
505321.98 3634275.90 1.29136 505421.98
3634275.90 1.25705
505521.98 3634275.90 1.03738 505621.98
3634275.90 0.95274
505721.98 3634275.90 0.86419 501721.98
3634375.90 0.28874
501821.98 3634375.90 0.30569 501921.98
3634375.90 0.32345
502021.98 3634375.90 0.34339 502121.98
3634375.90 0.36622
505321.98 3634375.90 1.49537 505421.98
3634375.90 1.38577
505521.98 3634375.90 1.07843 505621.98
3634375.90 0.96453
505721.98 3634375.90 0.90292 501721.98
3634475.90 0.29135
501821.98 3634475.90 0.30858 501921.98
3634475.90 0.32732
502021.98 3634475.90 0.34829 502121.98
3634475.90 0.37077
505321.98 3634475.90 1.58422 505421.98
3634475.90 1.81363
505521.98 3634475.90 1.39011 505621.98
3634475.90 1.13589
505721.98 3634475.90 0.98084 501721.98
3634575.90 0.29323
501821.98 3634575.90 0.31034 501921.98
3634575.90 0.32923
502021.98 3634575.90 0.35036 502121.98

3634575.90   0.37382
         505321.98   3634575.90   1.65218   505421.98
3634575.90   2.10044
         505521.98   3634575.90   1.84491   505621.98
3634575.90   1.31466
         505721.98   3634575.90   1.10426   501721.98
3634675.90   0.29482
         501821.98   3634675.90   0.31233   501921.98
3634675.90   0.33131
         502021.98   3634675.90   0.35255   502121.98
3634675.90   0.37483
         505321.98   3634675.90   1.85039   505421.98
3634675.90   2.33656
         505521.98   3634675.90   2.50784   505621.98
3634675.90   1.92278
         505721.98   3634675.90   1.39549   501721.98
3634775.90   0.29561
         501821.98   3634775.90   0.31328   501921.98
3634775.90   0.33202
         502021.98   3634775.90   0.35350   502121.98
3634775.90   0.37665
         505321.98   3634775.90   2.14231   505421.98
3634775.90   3.24241

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                 INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                  L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                  L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                  L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         505621.98    3635275.90       23.75866                       505721.98
3635275.90       17.72870
         501721.98    3635375.90        0.32631                       501821.98
3635375.90        0.33562
         501921.98    3635375.90        0.35032                       502021.98
3635375.90        0.36805
         502121.98    3635375.90        0.36933                       505621.98
3635375.90       24.21533
         501721.98    3635475.90        0.33058                       501821.98
3635475.90        0.33965
         501921.98    3635475.90        0.34550                       502021.98
3635475.90        0.35505
         502121.98    3635475.90        0.37535                       505621.98
3635475.90        9.34512
         505721.98    3635475.90        9.51291                       501721.98
3635575.90        0.32873
         501821.98    3635575.90        0.33738                       501921.98
3635575.90        0.34279
         502021.98    3635575.90        0.35722                       502121.98
3635575.90        0.37773
         505321.98    3635575.90        5.33462                       505421.98
3635575.90        5.29412
         505521.98    3635575.90        5.40627                       505621.98
3635575.90        5.40692
         505721.98    3635575.90        5.34423                       501721.98
3635675.90        0.32538
         501821.98    3635675.90        0.33642                       501921.98
3635675.90        0.34330
         502021.98    3635675.90        0.35730                       502121.98
3635675.90        0.37687
         505321.98    3635675.90        3.87854                       505421.98
3635675.90        3.93164
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 447
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3635675.90	3.84584	505621.98	3635675.90	3.80951
505721.98	3635675.90	3.63292	501721.98	3635775.90	0.31743
501821.98	3635775.90	0.33208	501921.98	3635775.90	0.34287
502021.98	3635775.90	0.35425	502121.98	3635775.90	0.36986
505321.98	3635775.90	2.99485	505421.98	3635775.90	3.02269
505521.98	3635775.90	2.99902	505621.98	3635775.90	2.91944
505721.98	3635775.90	2.78896	501721.98	3635875.90	0.30469
501821.98	3635875.90	0.32320	501921.98	3635875.90	0.33721
502021.98	3635875.90	0.35200	502121.98	3635875.90	0.36703
505321.98	3635875.90	2.41742	505421.98	3635875.90	2.40142
505521.98	3635875.90	2.37502	505621.98	3635875.90	2.30664
505721.98	3635875.90	2.20243	501721.98	3635975.90	0.29279
501821.98	3635975.90	0.31255	501921.98	3635975.90	0.32772
502021.98	3635975.90	0.34183	502121.98	3635975.90	0.35736
505321.98	3635975.90	1.97547	505421.98	3635975.90	1.96695
505521.98	3635975.90	1.94006	505621.98	3635975.90	1.89138
505721.98	3635975.90	1.80536	501721.98	3636075.90	0.28437
501821.98	3636075.90	0.29960	501921.98	3636075.90	0.31512
502021.98	3636075.90	0.32846	502121.98	3636075.90	0.34382
502221.98	3636075.90	0.36094	502321.98		

3636075.90 0.37569
  502421.98 3636075.90 0.38382 502521.98
3636075.90 0.40594
  502621.98 3636075.90 0.43091 502721.98
3636075.90 0.45587
  502821.98 3636075.90 0.48542 502921.98
3636075.90 0.51174
  503021.98 3636075.90 0.53538 503121.98
3636075.90 0.54975
  503221.98 3636075.90 0.58988 503321.98
3636075.90 0.63529
  503421.98 3636075.90 0.67531 503521.98
3636075.90 0.72193
  503621.98 3636075.90 0.76968 503721.98
3636075.90 0.81911
  503821.98 3636075.90 0.87397 503921.98
3636075.90 0.92670
  504021.98 3636075.90 0.98803 504121.98
3636075.90 1.04481
  504221.98 3636075.90 1.10416 504321.98
3636075.90 1.17639
  504421.98 3636075.90 1.23294 504521.98
3636075.90 1.29203
  504621.98 3636075.90 1.38644 504721.98
3636075.90 1.47613
  504821.98 3636075.90 1.52316 504921.98
3636075.90 1.55150
  505021.98 3636075.90 1.59532 505121.98
3636075.90 1.62256
  505221.98 3636075.90 1.64590 505321.98
3636075.90 1.65626
  505421.98 3636075.90 1.64639 505521.98
3636075.90 1.62793
  505621.98 3636075.90 1.58670 505721.98
3636075.90 1.52505
  501721.98 3636175.90 0.26953 501821.98
3636175.90 0.28487
  501921.98 3636175.90 0.30135 502021.98
3636175.90 0.31444
  502121.98 3636175.90 0.32938 502221.98
3636175.90 0.34694

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996
, L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004
, L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012
, L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020
, L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502321.98	3636175.90	0.36361	502421.98	3636175.90	0.37390
502521.98	3636175.90	0.39483	502621.98	3636175.90	0.41852
502721.98	3636175.90	0.44026	502821.98	3636175.90	0.46191
502921.98	3636175.90	0.48253	503021.98	3636175.90	0.49898
503121.98	3636175.90	0.49353	503221.98	3636175.90	0.54234
503321.98	3636175.90	0.58777	503421.98	3636175.90	0.62363
503521.98	3636175.90	0.66046	503621.98	3636175.90	0.70473
503721.98	3636175.90	0.74626	503821.98	3636175.90	0.78823
503921.98	3636175.90	0.82943	504021.98	3636175.90	0.87217
504121.98	3636175.90	0.91012	504221.98	3636175.90	0.96248
504321.98	3636175.90	0.96582	504421.98	3636175.90	0.93906
504521.98	3636175.90	0.85795	504621.98	3636175.90	1.02652
504721.98	3636175.90	1.29588	504821.98	3636175.90	1.36066
504921.98	3636175.90	1.40240	505021.98	3636175.90	1.41392
505121.98	3636175.90	1.40510	505221.98	3636175.90	1.41588

505321.98 3636175.90 1.42407 505421.98
3636175.90 1.41685
505521.98 3636175.90 1.39074 505621.98
3636175.90 1.35899
505721.98 3636175.90 1.31436 501721.98
3636275.90 0.25871
501821.98 3636275.90 0.27214 501921.98
3636275.90 0.28732
502021.98 3636275.90 0.30217 502121.98
3636275.90 0.31842
502221.98 3636275.90 0.33486 502321.98
3636275.90 0.34998
502421.98 3636275.90 0.36526 502521.98
3636275.90 0.38246
502621.98 3636275.90 0.39949 502721.98
3636275.90 0.41649
502821.98 3636275.90 0.43371 502921.98
3636275.90 0.44976
503021.98 3636275.90 0.46901 503121.98
3636275.90 0.47830
503221.98 3636275.90 0.49069 503321.98
3636275.90 0.52324
503421.98 3636275.90 0.56248 503521.98
3636275.90 0.59902
503621.98 3636275.90 0.63682 503721.98
3636275.90 0.67516
503821.98 3636275.90 0.71219 503921.98
3636275.90 0.74529
504021.98 3636275.90 0.76927 504121.98
3636275.90 0.77932
504221.98 3636275.90 0.73925 504321.98
3636275.90 0.61249
504421.98 3636275.90 0.61431 504521.98
3636275.90 0.62578
504621.98 3636275.90 0.74468 504721.98
3636275.90 0.94722
504821.98 3636275.90 0.92616 504921.98
3636275.90 1.22593
505021.98 3636275.90 1.24571 505121.98
3636275.90 1.23247
505221.98 3636275.90 1.23791 505321.98
3636275.90 1.24514
505421.98 3636275.90 1.23658 505521.98
3636275.90 1.20978
505621.98 3636275.90 1.18440 505721.98
3636275.90 1.15132
501721.98 3636375.90 0.24689 501821.98
3636375.90 0.26023
501921.98 3636375.90 0.27620 502021.98
3636375.90 0.28968

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502121.98	3636375.90	0.30510	502221.98	3636375.90	0.31965
502321.98	3636375.90	0.33378	502421.98	3636375.90	0.34974
502521.98	3636375.90	0.36470	502621.98	3636375.90	0.38029
502721.98	3636375.90	0.39168	502821.98	3636375.90	0.40286
502921.98	3636375.90	0.41430	503021.98	3636375.90	0.42677
503121.98	3636375.90	0.43305	503221.98	3636375.90	0.43666
503321.98	3636375.90	0.46077	503421.98	3636375.90	0.50937
503521.98	3636375.90	0.54071	503621.98	3636375.90	0.57227
503721.98	3636375.90	0.61084	503821.98	3636375.90	0.64702
503921.98	3636375.90	0.65607	504021.98	3636375.90	0.66847
504121.98	3636375.90	0.65272	504221.98		

3636375.90 0.58893
504321.98 3636375.90 0.53499 504421.98
3636375.90 0.53150
504521.98 3636375.90 0.55503 504621.98
3636375.90 0.62195
504721.98 3636375.90 0.72642 504821.98
3636375.90 0.71635
504921.98 3636375.90 0.77499 505021.98
3636375.90 1.11595
505121.98 3636375.90 1.10974 505221.98
3636375.90 1.10879
505321.98 3636375.90 1.10329 505421.98
3636375.90 1.08866
505521.98 3636375.90 1.07069 505621.98
3636375.90 1.04677
505721.98 3636375.90 1.01908 501721.98
3636475.90 0.23071
501821.98 3636475.90 0.24450 501921.98
3636475.90 0.26348
502021.98 3636475.90 0.27496 502121.98
3636475.90 0.28791
502221.98 3636475.90 0.30234 502321.98
3636475.90 0.31736
502421.98 3636475.90 0.33256 502521.98
3636475.90 0.34507
502621.98 3636475.90 0.35811 502721.98
3636475.90 0.36797
502821.98 3636475.90 0.37168 502921.98
3636475.90 0.38080
503021.98 3636475.90 0.38678 503121.98
3636475.90 0.38738
503221.98 3636475.90 0.38884 503321.98
3636475.90 0.41623
503421.98 3636475.90 0.45175 503521.98
3636475.90 0.48542
503621.98 3636475.90 0.51470 503721.98
3636475.90 0.55286
503821.98 3636475.90 0.57064 503921.98
3636475.90 0.57516
504021.98 3636475.90 0.48888 504121.98
3636475.90 0.52475
504221.98 3636475.90 0.54175 504321.98
3636475.90 0.48448
504421.98 3636475.90 0.48254 504521.98
3636475.90 0.49984
504621.98 3636475.90 0.52805 504721.98
3636475.90 0.56413
504821.98 3636475.90 0.59986 504921.98
3636475.90 0.68719
505021.98 3636475.90 0.95573 505121.98

3636475.90   0.99582
         505221.98   3636475.90   0.99333   505321.98
3636475.90   0.98569
         505421.98   3636475.90   0.96954   505521.98
3636475.90   0.95298
         505621.98   3636475.90   0.93336   505721.98
3636475.90   0.90913

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

503421.98 3633475.90 13.37647 503471.98
3633475.90 19.85158
503521.98 3633475.90 40.14771 503621.98
3633475.90 30.55840
503671.98 3633475.90 15.30536 503721.98
3633475.90 10.14216
503771.98 3633475.90 8.24378 503821.98
3633475.90 6.39601
503871.98 3633475.90 5.42045 503921.98
3633475.90 5.13878
503971.98 3633475.90 4.53605 504021.98
3633475.90 3.77709
504071.98 3633475.90 3.45048 504121.98
3633475.90 3.30590
504171.98 3633475.90 2.86820 504221.98
3633475.90 2.72448
504271.98 3633475.90 2.65074 504321.98
3633475.90 2.46677
504371.98 3633475.90 2.02280 504421.98
3633475.90 1.73701
504471.98 3633475.90 1.55113 504521.98
3633475.90 1.42773
504571.98 3633475.90 1.36435 504621.98
3633475.90 1.32600
504671.98 3633475.90 1.27161 504721.98
3633475.90 1.24619
502721.98 3633525.90 1.81548 502771.98
3633525.90 1.96983
502821.98 3633525.90 2.14763 502871.98
3633525.90 2.35970
502921.98 3633525.90 2.60528 502971.98
3633525.90 2.88099
503021.98 3633525.90 3.20933 503071.98
3633525.90 3.59681
503121.98 3633525.90 4.04369 503171.98
3633525.90 4.62418
503221.98 3633525.90 5.38194 503271.98
3633525.90 6.48022
503321.98 3633525.90 7.83297 503371.98
3633525.90 10.17801
503421.98 3633525.90 13.57245 503471.98
3633525.90 19.83269
503521.98 3633525.90 36.74926 503621.98
3633525.90 40.56717
503671.98 3633525.90 22.09312 503721.98
3633525.90 15.50924
503771.98 3633525.90 10.30663 503821.98
3633525.90 7.38971
503871.98 3633525.90 6.54371 503921.98
3633525.90 6.18203

```
         503971.98    3633525.90        5.17813                       504021.98
3633525.90        4.22073
         504071.98    3633525.90        3.88151                       504121.98
3633525.90        3.75747
         504171.98    3633525.90        3.44284                       504221.98
3633525.90        3.20519
         504271.98    3633525.90        2.86378                       504321.98
3633525.90        2.22624
         504371.98    3633525.90        1.93758                       504421.98
3633525.90        1.71836
         504471.98    3633525.90        1.56332                       504521.98
3633525.90        1.49060
         504571.98    3633525.90        1.45763                       504621.98
3633525.90        1.42034
         504671.98    3633525.90        1.34394                       504721.98
3633525.90        1.26040
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 451
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         502721.98    3633575.90        1.80484                       502771.98
3633575.90        1.95671
         502821.98    3633575.90        2.13575                       502871.98
3633575.90        2.34441
         502921.98    3633575.90        2.57732                       502971.98
```

3633575.90 2.85250
503021.98 3633575.90 3.18597 503071.98
3633575.90 3.56532
503121.98 3633575.90 4.00153 503171.98
3633575.90 4.56631
503221.98 3633575.90 5.30327 503271.98
3633575.90 6.26806
503321.98 3633575.90 7.64717 503371.98
3633575.90 9.64196
503421.98 3633575.90 12.56993 503471.98
3633575.90 17.73853
503521.98 3633575.90 28.71354 503621.98
3633575.90 46.41257
503671.98 3633575.90 25.82286 503721.98
3633575.90 18.03483
503771.98 3633575.90 12.52681 503821.98
3633575.90 9.19119
503871.98 3633575.90 8.25432 503921.98
3633575.90 7.10895
503971.98 3633575.90 5.82512 504021.98
3633575.90 5.08495
504071.98 3633575.90 4.43239 504121.98
3633575.90 4.14955
504171.98 3633575.90 3.81823 504221.98
3633575.90 3.56295
504271.98 3633575.90 2.85933 504321.98
3633575.90 2.23360
504371.98 3633575.90 1.95552 504421.98
3633575.90 1.72498
504471.98 3633575.90 1.60248 504521.98
3633575.90 1.57728
504571.98 3633575.90 1.57880 504621.98
3633575.90 1.45965
504671.98 3633575.90 1.35337 504721.98
3633575.90 1.26488
502721.98 3633625.90 1.79577 502771.98
3633625.90 1.94552
502821.98 3633625.90 2.11591 502871.98
3633625.90 2.31424
502921.98 3633625.90 2.54317 502971.98
3633625.90 2.81691
503021.98 3633625.90 3.14277 503071.98
3633625.90 3.50363
503121.98 3633625.90 3.93892 503171.98
3633625.90 4.49077
503221.98 3633625.90 5.18168 503271.98
3633625.90 6.11726
503321.98 3633625.90 7.38990 503371.98
3633625.90 9.14581
503421.98 3633625.90 11.85449 503471.98

3633625.90   16.32425
         503521.98   3633625.90   25.28485   503621.98
3633625.90   59.92356
         503671.98   3633625.90   28.72813   503721.98
3633625.90   19.75833
         503771.98   3633625.90   13.25489   503821.98
3633625.90   10.43312
         503871.98   3633625.90   8.99081   503921.98
3633625.90   7.45857
         503971.98   3633625.90   6.41958   504021.98
3633625.90   5.43882
         504071.98   3633625.90   4.74690   504121.98
3633625.90   4.49030
         504171.98   3633625.90   4.12937   504221.98
3633625.90   3.69981
         504271.98   3633625.90   3.06878   504321.98
3633625.90   2.51410
         504371.98   3633625.90   2.06802   504421.98
3633625.90   1.81178
         504471.98   3633625.90   1.67309   504521.98
3633625.90   1.71100
         504571.98   3633625.90   1.63327   504621.98
3633625.90   1.49847
         504671.98   3633625.90   1.43156   504721.98
3633625.90   1.30102

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                               INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633675.90	1.78200	502771.98	3633675.90	1.92792
502821.98	3633675.90	2.09341	502871.98	3633675.90	2.28504
502921.98	3633675.90	2.51474	502971.98	3633675.90	2.77760
503021.98	3633675.90	3.08652	503071.98	3633675.90	3.43747
503121.98	3633675.90	3.86575	503171.98	3633675.90	4.39156
503221.98	3633675.90	5.05274	503271.98	3633675.90	5.91480
503321.98	3633675.90	7.07152	503371.98	3633675.90	8.59262
503421.98	3633675.90	10.84833	503471.98	3633675.90	14.60723
503521.98	3633675.90	21.41463	503571.98	3633675.90	45.46896
503671.98	3633675.90	33.65608	503721.98	3633675.90	21.65499
503771.98	3633675.90	15.63792	503821.98	3633675.90	11.91821
503871.98	3633675.90	9.54911	503921.98	3633675.90	8.06578
503971.98	3633675.90	6.80983	504021.98	3633675.90	5.82679
504071.98	3633675.90	5.20464	504121.98	3633675.90	4.79791
504171.98	3633675.90	4.40099	504221.98	3633675.90	3.95646
504271.98	3633675.90	3.35567	504321.98	3633675.90	2.72886
504371.98	3633675.90	2.20957	504421.98	3633675.90	1.93896
504471.98	3633675.90	1.88070	504521.98	3633675.90	1.83657
504571.98	3633675.90	1.68473	504621.98	3633675.90	1.56199
504671.98	3633675.90	1.44876	504721.98	3633675.90	1.35179
502721.98	3633725.90	1.76445	502771.98	3633725.90	1.90838
502821.98	3633725.90	2.06819	502871.98	3633725.90	2.25702
502921.98	3633725.90	2.48564	502971.98	3633725.90	2.73628

```
         503021.98    3633725.90        3.01408                        503071.98
3633725.90        3.36537
         503121.98    3633725.90        3.77645                        503171.98
3633725.90        4.27609
         503221.98    3633725.90        4.90270                        503271.98
3633725.90        5.68211
         503321.98    3633725.90        6.70209                        503371.98
3633725.90        8.05842
         503421.98    3633725.90        9.97643                        503471.98
3633725.90       13.33131
         503521.98    3633725.90       18.82226                        503571.98
3633725.90       31.95028
         503721.98    3633725.90       25.99134                        503771.98
3633725.90       17.39388
         503821.98    3633725.90       13.29589                        503871.98
3633725.90       10.42870
         503921.98    3633725.90        8.65281                        503971.98
3633725.90        7.13489
         504021.98    3633725.90        6.15700                        504071.98
3633725.90        5.51207
         504121.98    3633725.90        5.15747                        504171.98
3633725.90        4.62386
         504221.98    3633725.90        4.09874                        504271.98
3633725.90        3.70582
         504321.98    3633725.90        2.97414                        504371.98
3633725.90        2.45054
         504421.98    3633725.90        2.17231                        504471.98
3633725.90        2.06540
         504521.98    3633725.90        1.91423                        504571.98
3633725.90        1.74144
         504621.98    3633725.90        1.68883                        504671.98
3633725.90        1.54558
         504721.98    3633725.90        1.39759                        502721.98
3633775.90        1.74137
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 453
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
```

L0000616 , L0000617 , L0000618 , L0000619 , L0000620
, L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502771.98	3633775.90	1.88213	502821.98	3633775.90	2.04005
502871.98	3633775.90	2.22053	502921.98	3633775.90	2.43755
502971.98	3633775.90	2.68579	503021.98	3633775.90	2.96169
503071.98	3633775.90	3.28732	503121.98	3633775.90	3.67587
503171.98	3633775.90	4.14826	503221.98	3633775.90	4.72704
503271.98	3633775.90	5.46006	503321.98	3633775.90	6.39189
503371.98	3633775.90	7.62089	503421.98	3633775.90	9.33076
503471.98	3633775.90	11.92379	503771.98	3633775.90	19.68944
503821.98	3633775.90	14.58632	503871.98	3633775.90	11.56297
503921.98	3633775.90	9.14565	503971.98	3633775.90	7.51796
504021.98	3633775.90	6.53895	504071.98	3633775.90	6.24739
504121.98	3633775.90	5.52532	504171.98	3633775.90	4.93607
504221.98	3633775.90	4.35418	504271.98	3633775.90	3.80874
504321.98	3633775.90	3.15148	504371.98	3633775.90	2.71997
504421.98	3633775.90	2.44172	504471.98	3633775.90	2.15335
504521.98	3633775.90	2.07749	504571.98	3633775.90	2.00155
504621.98	3633775.90	1.81849	504671.98	3633775.90	1.63806
504721.98	3633775.90	1.48313	502721.98	3633825.90	1.71660
502771.98	3633825.90	1.85225	502821.98		

```
3633825.90        2.00672
         502871.98    3633825.90        2.18104                        502921.98
3633825.90        2.39184
         502971.98    3633825.90        2.62552                        503021.98
3633825.90        2.88950
         503071.98    3633825.90        3.20069                        503121.98
3633825.90        3.56974
         503171.98    3633825.90        4.01812                        503221.98
3633825.90        4.56357
         503271.98    3633825.90        5.24374                        503771.98
3633825.90       23.53834
         503821.98    3633825.90       16.99564                        503871.98
3633825.90       12.79555
         503921.98    3633825.90        9.77924                        503971.98
3633825.90        8.14221
         504021.98    3633825.90        7.62234                        504071.98
3633825.90        6.60540
         504121.98    3633825.90        5.83460                        504171.98
3633825.90        5.22746
         504221.98    3633825.90        4.58695                        504271.98
3633825.90        4.04489
         504321.98    3633825.90        3.55867                        504371.98
3633825.90        3.10022
         504421.98    3633825.90        2.68732                        504471.98
3633825.90        2.40587
         504521.98    3633825.90        2.22090                        504571.98
3633825.90        2.08802
         504621.98    3633825.90        1.86817                        504671.98
3633825.90        1.68494
         504721.98    3633825.90        1.56092                        502721.98
3633875.90        1.68617
         502771.98    3633875.90        1.81832                        502821.98
3633875.90        1.96636
         502871.98    3633875.90        2.13275                        502921.98
3633875.90        2.34016
         502971.98    3633875.90        2.55957                        503021.98
3633875.90        2.81378
         503071.98    3633875.90        3.11493                        503121.98
3633875.90        3.45548
         503171.98    3633875.90        3.87319                        503221.98
3633875.90        4.38116
         503271.98    3633875.90        5.00711                        503821.98
3633875.90       19.46605
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 454
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***

INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 , L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 , L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503871.98	3633875.90	14.00278	503921.98	3633875.90	11.00708
503971.98	3633875.90	9.79570	504021.98	3633875.90	8.27305
504071.98	3633875.90	6.98957	504121.98	3633875.90	6.19100
504171.98	3633875.90	5.39535	504221.98	3633875.90	4.73380
504271.98	3633875.90	4.14693	504321.98	3633875.90	3.58700
504371.98	3633875.90	3.15518	504421.98	3633875.90	2.76415
504471.98	3633875.90	2.49956	504521.98	3633875.90	2.33146
504571.98	3633875.90	2.13386	504621.98	3633875.90	1.92889
504671.98	3633875.90	1.67747	504721.98	3633875.90	1.56800
502721.98	3633925.90	1.65210	502771.98	3633925.90	1.77749
502821.98	3633925.90	1.91974	502871.98	3633925.90	2.08420
502921.98	3633925.90	2.27653	502971.98	3633925.90	2.48056
503021.98	3633925.90	2.72304	503071.98	3633925.90	3.00875
503121.98	3633925.90	3.33525	503171.98	3633925.90	3.71916

503221.98 3633925.90 4.17626 503271.98 3633925.90 4.74550
503821.98 3633925.90 23.80551 503871.98 3633925.90 16.72541
503921.98 3633925.90 13.13579 503971.98 3633925.90 10.87416
504021.98 3633925.90 8.94728 504071.98 3633925.90 7.58131
504121.98 3633925.90 6.47241 504171.98 3633925.90 5.62523
504221.98 3633925.90 4.90560 504271.98 3633925.90 4.26017
504321.98 3633925.90 3.74197 504371.98 3633925.90 3.25909
504421.98 3633925.90 2.91034 504471.98 3633925.90 2.59997
504521.98 3633925.90 2.32972 504571.98 3633925.90 2.05857
504621.98 3633925.90 1.84782 504671.98 3633925.90 1.68456
504721.98 3633925.90 1.54448 502721.98 3633975.90 1.61627
502771.98 3633975.90 1.73436 502821.98 3633975.90 1.86699
502871.98 3633975.90 2.02713 502921.98 3633975.90 2.20653
502971.98 3633975.90 2.39869 503021.98 3633975.90 2.62682
503071.98 3633975.90 2.88953 503121.98 3633975.90 3.19609
503171.98 3633975.90 3.55267 503221.98 3633975.90 3.97634
503271.98 3633975.90 4.49077 503821.98 3633975.90 30.28582
503871.98 3633975.90 20.48264 503921.98 3633975.90 15.40033
503971.98 3633975.90 12.03620 504021.98 3633975.90 9.67702
504071.98 3633975.90 7.97556 504121.98 3633975.90 6.74381
504171.98 3633975.90 5.80023 504221.98 3633975.90 4.95134
504271.98 3633975.90 4.26642 504321.98 3633975.90 3.73815
504371.98 3633975.90 3.24253 504421.98 3633975.90 2.88278
504471.98 3633975.90 2.50587 504521.98 3633975.90 2.17364
504571.98 3633975.90 1.96179 504621.98 3633975.90 1.77960

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502721.98   3634025.90   1.58417   502771.98
3634025.90   1.70008
         502821.98   3634025.90   1.82373   502871.98
3634025.90   1.96639
         502921.98   3634025.90   2.12663   502971.98
3634025.90   2.31243
         503021.98   3634025.90   2.53088   503071.98
3634025.90   2.76762
         503121.98   3634025.90   3.04871   503171.98
3634025.90   3.37880
         503221.98   3634025.90   3.76479   503271.98
3634025.90   4.22425
         503871.98   3634025.90   25.62848   503921.98
3634025.90   18.06255
         503971.98   3634025.90   13.55280   504021.98
3634025.90   10.55501
         504071.98   3634025.90   8.44380   504121.98
3634025.90   6.91553
         504171.98   3634025.90   5.86281   504221.98

```
3634025.90        4.94980
         504271.98    3634025.90        4.21419                    504321.98
3634025.90        3.65736
         504371.98    3634025.90        3.16789                    504421.98
3634025.90        2.68281
         504471.98    3634025.90        2.34480                    504521.98
3634025.90        2.10064
         504571.98    3634025.90        1.88079                    504621.98
3634025.90        1.66608
         504671.98    3634025.90        1.49350                    504721.98
3634025.90        1.34326
         502721.98    3634075.90        1.54548                    502771.98
3634075.90        1.64615
         502821.98    3634075.90        1.76515                    502871.98
3634075.90        1.90327
         502921.98    3634075.90        2.05417                    502971.98
3634075.90        2.22372
         503021.98    3634075.90        2.42405                    503071.98
3634075.90        2.64714
         503121.98    3634075.90        2.90263                    503171.98
3634075.90        3.20139
         503221.98    3634075.90        3.54677                    503271.98
3634075.90        3.95844
         503871.98    3634075.90       35.34123                    503921.98
3634075.90       22.58042
         503971.98    3634075.90       15.80572                    504021.98
3634075.90       11.60503
         504071.98    3634075.90        8.90672                    504121.98
3634075.90        7.06022
         504171.98    3634075.90        5.83624                    504221.98
3634075.90        4.86842
         504271.98    3634075.90        4.14045                    504321.98
3634075.90        3.53478
         504371.98    3634075.90        2.98667                    504421.98
3634075.90        2.58405
         504471.98    3634075.90        2.25047                    504521.98
3634075.90        1.96133
         504571.98    3634075.90        1.73172                    504621.98
3634075.90        1.48273
         504671.98    3634075.90        1.35179                    504721.98
3634075.90        1.27096
         502721.98    3634125.90        1.50336                    502771.98
3634125.90        1.59557
         502821.98    3634125.90        1.70805                    502871.98
3634125.90        1.83812
         502921.98    3634125.90        1.97618                    502971.98
3634125.90        2.13360
         503021.98    3634125.90        2.31726                    503071.98
3634125.90        2.52028
         503121.98    3634125.90        2.75430                    503171.98
```

3634125.90   3.02548
         503221.98   3634125.90   3.32524   503271.98
3634125.90   3.69547
         503921.98   3634125.90   31.69771   503971.98
3634125.90   19.23189
         504021.98   3634125.90   12.82786   504071.98
3634125.90   9.20210
         504121.98   3634125.90   7.04244   504171.98
3634125.90   5.63319
         504221.98   3634125.90   4.70162   504271.98
3634125.90   3.98827

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         504321.98   3634125.90   3.40569   504371.98
3634125.90   2.92416
         504421.98   3634125.90   2.50321   504471.98
3634125.90   2.08870
         504521.98   3634125.90   1.84991   504571.98
3634125.90   1.60059
         504621.98   3634125.90   1.39414   504671.98
3634125.90   1.31124
         504721.98   3634125.90   1.21020   502721.98
3634175.90   1.44965

```
         502771.98    3634175.90        1.54394                    502821.98
3634175.90        1.65121
         502871.98    3634175.90        1.77129                    502921.98
3634175.90        1.89858
         502971.98    3634175.90        2.04332                    503021.98
3634175.90        2.21169
         503071.98    3634175.90        2.39434                    503121.98
3634175.90        2.60314
         503171.98    3634175.90        2.83828                    503221.98
3634175.90        3.10156
         503271.98    3634175.90        3.42040                    503971.98
3634175.90       24.65693
         504021.98    3634175.90       13.51601                    504071.98
3634175.90        9.04201
         504121.98    3634175.90        6.74678                    504171.98
3634175.90        5.37972
         504221.98    3634175.90        4.46162                    504271.98
3634175.90        3.81208
         504321.98    3634175.90        3.31619                    504371.98
3634175.90        2.72202
         504421.98    3634175.90        2.17776                    504471.98
3634175.90        1.95377
         504521.98    3634175.90        1.74854                    504571.98
3634175.90        1.45585
         504621.98    3634175.90        1.26310                    504671.98
3634175.90        1.15973
         504721.98    3634175.90        1.03591                    502721.98
3634225.90        1.40329
         502771.98    3634225.90        1.49511                    502821.98
3634225.90        1.59658
         502871.98    3634225.90        1.70616                    502921.98
3634225.90        1.82192
         502971.98    3634225.90        1.95410                    503021.98
3634225.90        2.10643
         503071.98    3634225.90        2.27176                    503121.98
3634225.90        2.45780
         503171.98    3634225.90        2.66555                    503221.98
3634225.90        2.90308
         503271.98    3634225.90        3.18123                    504071.98
3634225.90        8.25820
         504121.98    3634225.90        6.24470                    504171.98
3634225.90        5.02609
         504221.98    3634225.90        4.20497                    504271.98
3634225.90        3.60686
         504321.98    3634225.90        3.16287                    504371.98
3634225.90        2.56965
         504421.98    3634225.90        2.07081                    504471.98
3634225.90        1.87259
         504521.98    3634225.90        1.67676                    504571.98
3634225.90        1.42578
```

```
         504621.98    3634225.90        1.21419                        504671.98
3634225.90        1.06136
         504721.98    3634225.90        0.94614                        502721.98
3634275.90        1.35950
         502771.98    3634275.90        1.44227                        502821.98
3634275.90        1.53684
         502871.98    3634275.90        1.64532                        502921.98
3634275.90        1.74841
         502971.98    3634275.90        1.86529                        503021.98
3634275.90        2.00517
         503071.98    3634275.90        2.15362                        503121.98
3634275.90        2.31860
         503171.98    3634275.90        2.50530                        503221.98
3634275.90        2.71459
         503271.98    3634275.90        2.95880                        504121.98
3634275.90        5.59202
         504171.98    3634275.90        4.60555                        504221.98
3634275.90        3.90240
         504271.98    3634275.90        3.38868                        504321.98
3634275.90        2.97927
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 457
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         504371.98    3634275.90        2.54667                        504421.98
```

```
3634275.90        2.10779
         504471.98    3634275.90        1.82941                    504521.98
3634275.90        1.56932
         504571.98    3634275.90        1.31527                    504621.98
3634275.90        1.13822
         504671.98    3634275.90        0.99875                    504721.98
3634275.90        0.91447
         502721.98    3634325.90        1.29940                    502771.98
3634325.90        1.37881
         502821.98    3634325.90        1.46308                    502871.98
3634325.90        1.58386
         502971.98    3634325.90        1.78100                    503021.98
3634325.90        1.90541
         503071.98    3634325.90        2.04101                    503121.98
3634325.90        2.18764
         503171.98    3634325.90        2.35230                    503221.98
3634325.90        2.53648
         503271.98    3634325.90        2.74671                    504171.98
3634325.90        4.14800
         504221.98    3634325.90        3.56143                    504271.98
3634325.90        3.14680
         504321.98    3634325.90        2.79551                    504371.98
3634325.90        2.48032
         504421.98    3634325.90        2.07795                    504471.98
3634325.90        1.79078
         504521.98    3634325.90        1.50943                    504571.98
3634325.90        1.24518
         504621.98    3634325.90        1.06297                    504671.98
3634325.90        0.94886
         504721.98    3634325.90        0.88973                    502721.98
3634375.90        1.24915
         502771.98    3634375.90        1.32373                    502821.98
3634375.90        1.40016
         503021.98    3634375.90        1.80118                    503071.98
3634375.90        1.92973
         503121.98    3634375.90        2.06038                    503171.98
3634375.90        2.20245
         503221.98    3634375.90        2.36438                    503271.98
3634375.90        2.54462
         504221.98    3634375.90        3.25988                    504271.98
3634375.90        2.90770
         504321.98    3634375.90        2.61681                    504371.98
3634375.90        2.30918
         504421.98    3634375.90        1.86354                    504471.98
3634375.90        1.55319
         504521.98    3634375.90        1.31454                    504571.98
3634375.90        1.14046
         504621.98    3634375.90        1.02061                    504671.98
3634375.90        0.93285
         504721.98    3634375.90        0.86950                    502721.98
```

```
3634425.90        1.21006
         502771.98    3634425.90        1.27550                        502821.98
3634425.90        1.34577
         504271.98    3634425.90        2.67104                        504321.98
3634425.90        2.43052
         504371.98    3634425.90        2.19237                        504421.98
3634425.90        1.84167
         504471.98    3634425.90        1.53325                        504521.98
3634425.90        1.29348
         504571.98    3634425.90        1.17732                        504621.98
3634425.90        1.08857
         504671.98    3634425.90        0.98270                        504721.98
3634425.90        0.88281
         502721.98    3634475.90        1.17723                        502771.98
3634475.90        1.24293
         502821.98    3634475.90        1.31047                        504321.98
3634475.90        2.24768
         504371.98    3634475.90        2.07596                        504421.98
3634475.90        1.90263
         504471.98    3634475.90        1.65770                        504521.98
3634475.90        1.47155
         504571.98    3634475.90        1.35511                        504621.98
3634475.90        1.25696
         504671.98    3634475.90        1.09800                        504721.98
3634475.90        0.94210
         502721.98    3634525.90        1.13974                        502771.98
3634525.90        1.19575
         504371.98    3634525.90        1.93420                        504421.98
3634525.90        1.80240
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 458
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504471.98	3634525.90	1.67882	504521.98	3634525.90	1.56410
504571.98	3634525.90	1.45332	504621.98	3634525.90	1.33208
504671.98	3634525.90	1.18375	504721.98	3634525.90	1.04097
502721.98	3634575.90	1.09697	502771.98	3634575.90	1.15013
504421.98	3634575.90	1.68705	504471.98	3634575.90	1.58660
504521.98	3634575.90	1.49255	504571.98	3634575.90	1.40388
504621.98	3634575.90	1.31893	504671.98	3634575.90	1.21618
504721.98	3634575.90	1.10547	502721.98	3634625.90	1.05573
502771.98	3634625.90	1.10355	502821.98	3634625.90	1.15736
502871.98	3634625.90	1.21108	502921.98	3634625.90	1.26696
502971.98	3634625.90	1.32724	503021.98	3634625.90	1.39119
503071.98	3634625.90	1.45854	503121.98	3634625.90	1.52825
504471.98	3634625.90	1.49508	504521.98	3634625.90	1.41328
504571.98	3634625.90	1.33677	504621.98	3634625.90	1.26654
504671.98	3634625.90	1.20061	504721.98	3634625.90	1.13198
502721.98	3634675.90	1.01648	502771.98	3634675.90	1.06121
502821.98	3634675.90	1.10991	502871.98	3634675.90	1.15904
502921.98	3634675.90	1.20991	502971.98	3634675.90	1.26523
503021.98	3634675.90	1.32024	503071.98	3634675.90	1.37850
503121.98	3634675.90	1.44353	503171.98	3634675.90	1.51380
503221.98	3634675.90	1.58048	503271.98	3634675.90	1.63832

```
         503321.98    3634675.90        1.70899                      503371.98
3634675.90        1.78203
         503421.98    3634675.90        1.85528                      503471.98
3634675.90        1.93685
         503521.98    3634675.90        1.98512                      504521.98
3634675.90        1.33703
         504571.98    3634675.90        1.26926                      504621.98
3634675.90        1.20744
         504671.98    3634675.90        1.14814                      504721.98
3634675.90        1.09298
         502721.98    3634725.90        0.97838                      502771.98
3634725.90        1.01929
         502821.98    3634725.90        1.06227                      502871.98
3634725.90        1.10932
         502921.98    3634725.90        1.15503                      502971.98
3634725.90        1.20338
         503021.98    3634725.90        1.25362                      503071.98
3634725.90        1.30465
         503121.98    3634725.90        1.36132                      503171.98
3634725.90        1.42070
         503221.98    3634725.90        1.47641                      503271.98
3634725.90        1.53133
         503321.98    3634725.90        1.59216                      503371.98
3634725.90        1.65372
         503421.98    3634725.90        1.71458                      503471.98
3634725.90        1.77949
         503521.98    3634725.90        1.83344                      503571.98
3634725.90        1.87250
         503621.98    3634725.90        1.90490                      504571.98
3634725.90        1.20652
         504621.98    3634725.90        1.15134                      504671.98
3634725.90        1.09800
         504721.98    3634725.90        1.04804                      502721.98
3634775.90        0.94159
         502771.98    3634775.90        0.97815                      502821.98
3634775.90        1.01807
         502871.98    3634775.90        1.06035                      502921.98
3634775.90        1.10225
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 459
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
```

```
                 L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                 L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                 L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         502971.98    3634775.90        1.14433                       503021.98
3634775.90        1.19062
         503071.98    3634775.90        1.23666                       503121.98
3634775.90        1.28448
         503171.98    3634775.90        1.33472                       503221.98
3634775.90        1.38169
         503271.98    3634775.90        1.43102                       503321.98
3634775.90        1.48142
         503371.98    3634775.90        1.53152                       503421.98
3634775.90        1.58268
         503471.98    3634775.90        1.63632                       503521.98
3634775.90        1.67872
         503571.98    3634775.90        1.71684                       503621.98
3634775.90        1.75144
         503671.98    3634775.90        1.78170                       503721.98
3634775.90        1.80117
         503771.98    3634775.90        1.80943                       503821.98
3634775.90        1.80037
         504621.98    3634775.90        1.09744                       504671.98
3634775.90        1.05025
         504721.98    3634775.90        1.00494                       502721.98
3634825.90        0.90533
         502771.98    3634825.90        0.94064                       502821.98
3634825.90        0.97619
         502871.98    3634825.90        1.01259                       502921.98
3634825.90        1.05214
         502971.98    3634825.90        1.09058                       503021.98
3634825.90        1.13130
         503071.98    3634825.90        1.17060                       503121.98
3634825.90        1.21370
         503171.98    3634825.90        1.25413                       503221.98
3634825.90        1.29668
         503271.98    3634825.90        1.33977                       503321.98
```

```
3634825.90        1.38387
         503371.98    3634825.90        1.43078                      503421.98
3634825.90        1.47399
         503471.98    3634825.90        1.51375                      503521.98
3634825.90        1.54861
         503571.98    3634825.90        1.57790                      503621.98
3634825.90        1.60662
         503671.98    3634825.90        1.62969                      503721.98
3634825.90        1.64583
         503771.98    3634825.90        1.65426                      503821.98
3634825.90        1.65641
         503871.98    3634825.90        1.65146                      503921.98
3634825.90        1.63824
         504671.98    3634825.90        1.00423                      504721.98
3634825.90        0.96360
         502721.98    3634875.90        0.87025                      502771.98
3634875.90        0.90220
         502821.98    3634875.90        0.93476                      502871.98
3634875.90        0.96715
         502921.98    3634875.90        1.00315                      502971.98
3634875.90        1.03840
         503021.98    3634875.90        1.07473                      503071.98
3634875.90        1.11079
         503121.98    3634875.90        1.14801                      503171.98
3634875.90        1.18189
         503221.98    3634875.90        1.22008                      503271.98
3634875.90        1.26124
         503321.98    3634875.90        1.30026                      503371.98
3634875.90        1.33580
         503421.98    3634875.90        1.37070                      503471.98
3634875.90        1.40457
         503521.98    3634875.90        1.43337                      503571.98
3634875.90        1.45915
         503621.98    3634875.90        1.48070                      503671.98
3634875.90        1.49878
         503721.98    3634875.90        1.51240                      503771.98
3634875.90        1.51940
         503821.98    3634875.90        1.52080                      503871.98
3634875.90        1.51593
         503921.98    3634875.90        1.50686                      504721.98
3634875.90        0.92376
         502721.98    3634925.90        0.83697                      502771.98
3634925.90        0.86544
         502821.98    3634925.90        0.89544                      502871.98
3634925.90        0.92473
         502921.98    3634925.90        0.95681                      502971.98
3634925.90        0.98871
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***

INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 , L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 , L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503021.98	3634925.90	1.02101	503071.98	3634925.90	1.05339
503121.98	3634925.90	1.08637	503171.98	3634925.90	1.11895
503221.98	3634925.90	1.15256	503271.98	3634925.90	1.18587
503321.98	3634925.90	1.21815	503371.98	3634925.90	1.24916
503421.98	3634925.90	1.27885	503471.98	3634925.90	1.30615
503521.98	3634925.90	1.33052	503571.98	3634925.90	1.35163
503621.98	3634925.90	1.36918	503671.98	3634925.90	1.38385
503721.98	3634925.90	1.39654	503771.98	3634925.90	1.40228
503821.98	3634925.90	1.40327	503871.98	3634925.90	1.39720
502721.98	3634975.90	0.80524	502771.98	3634975.90	0.83063
502821.98	3634975.90	0.85771	502871.98	3634975.90	0.88572
502921.98	3634975.90	0.91508	502971.98	3634975.90	0.94086

503021.98 3634975.90 0.97007 503071.98
3634975.90 0.99980
503121.98 3634975.90 1.02947 503171.98
3634975.90 1.05493
503221.98 3634975.90 1.08313 503271.98
3634975.90 1.11257
503321.98 3634975.90 1.14016 503371.98
3634975.90 1.16726
503421.98 3634975.90 1.19548 503471.98
3634975.90 1.21771
503521.98 3634975.90 1.23905 503571.98
3634975.90 1.25647
503621.98 3634975.90 1.27068 503671.98
3634975.90 1.28251
503721.98 3634975.90 1.29438 503771.98
3634975.90 1.30152
503821.98 3634975.90 1.29960 503871.98
3634975.90 1.36620
502721.98 3635025.90 0.77484 502771.98
3635025.90 0.79930
502821.98 3635025.90 0.82377 502871.98
3635025.90 0.84880
502921.98 3635025.90 0.87343 502971.98
3635025.90 0.89880
503021.98 3635025.90 0.92471 503071.98
3635025.90 0.95132
503121.98 3635025.90 0.97714 503171.98
3635025.90 1.00076
503221.98 3635025.90 1.02588 503271.98
3635025.90 1.05058
503321.98 3635025.90 1.07440 503371.98
3635025.90 1.09758
503421.98 3635025.90 1.12032 503471.98
3635025.90 1.13939
503521.98 3635025.90 1.15686 503571.98
3635025.90 1.17205
503621.98 3635025.90 1.18475 503671.98
3635025.90 1.19554
503721.98 3635025.90 1.20276 503771.98
3635025.90 1.21306
503821.98 3635025.90 1.23511 504371.98
3635025.90 1.00900
502721.98 3635075.90 0.74666 502771.98
3635075.90 0.76902
502821.98 3635075.90 0.79140 502871.98
3635075.90 0.81285
502921.98 3635075.90 0.83589 502971.98
3635075.90 0.85924
503021.98 3635075.90 0.88157 503071.98
3635075.90 0.90510

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         503421.98   3635075.90   1.05147   503471.98
3635075.90   1.06811
         503521.98   3635075.90   1.08315   503571.98
3635075.90   1.09624
         503621.98   3635075.90   1.10715   503671.98
3635075.90   1.11682
         503721.98   3635075.90   1.12269   503771.98
3635075.90   1.12900
         503821.98   3635075.90   1.17670   504371.98
3635075.90   0.95525
         504421.98   3635075.90   0.93097   504471.98
3635075.90   0.90637
         504521.98   3635075.90   0.87899   502721.98
3635125.90   0.71914
         502771.98   3635125.90   0.73965   502821.98

3635125.90 0.76025
502871.98 3635125.90 0.78022 502921.98
3635125.90 0.79935
502971.98 3635125.90 0.81999 503021.98
3635125.90 0.84090
503071.98 3635125.90 0.86217 503121.98
3635125.90 0.88243
503171.98 3635125.90 0.90201 503221.98
3635125.90 0.92216
503271.98 3635125.90 0.94031 503321.98
3635125.90 0.95864
503371.98 3635125.90 0.97554 503421.98
3635125.90 0.99027
503471.98 3635125.90 1.00492 503521.98
3635125.90 1.01795
503571.98 3635125.90 1.03086 503621.98
3635125.90 1.03932
503671.98 3635125.90 1.04733 503721.98
3635125.90 1.05405
503771.98 3635125.90 1.07094 503821.98
3635125.90 1.10568
504371.98 3635125.90 0.90484 504421.98
3635125.90 0.88462
504471.98 3635125.90 0.86219 504521.98
3635125.90 0.83953
504571.98 3635125.90 0.81605 502721.98
3635175.90 0.69263
502771.98 3635175.90 0.71192 502821.98
3635175.90 0.73067
502871.98 3635175.90 0.74945 502921.98
3635175.90 0.76628
502971.98 3635175.90 0.78480 503021.98
3635175.90 0.80398
503071.98 3635175.90 0.82241 503121.98
3635175.90 0.84008
503171.98 3635175.90 0.85732 503221.98
3635175.90 0.87521
503271.98 3635175.90 0.89125 503321.98
3635175.90 0.90756
503371.98 3635175.90 0.92205 503421.98
3635175.90 0.93378
503471.98 3635175.90 0.94867 503521.98
3635175.90 0.95927
503571.98 3635175.90 0.97040 503621.98
3635175.90 0.97787
503671.98 3635175.90 0.98463 503721.98
3635175.90 1.00020
503771.98 3635175.90 1.03155 503821.98
3635175.90 1.05451
504371.98 3635175.90 0.85866 504421.98

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503221.98	3635225.90	0.83019	503271.98	3635225.90	0.84415
503321.98	3635225.90	0.85750	503371.98	3635225.90	0.87034
503421.98	3635225.90	0.88222	503471.98	3635225.90	0.89375

503521.98 3635225.90 0.90576 503571.98 3635225.90 0.91528
503621.98 3635225.90 0.92276 503671.98 3635225.90 0.92828
504371.98 3635225.90 0.81575 504421.98 3635225.90 0.79916
504471.98 3635225.90 0.78214 504521.98 3635225.90 0.76471
504571.98 3635225.90 0.74736 504621.98 3635225.90 0.72904
502721.98 3635275.90 0.64385 502771.98 3635275.90 0.65983
502821.98 3635275.90 0.67539 502871.98 3635275.90 0.69048
502921.98 3635275.90 0.70608 502971.98 3635275.90 0.72099
503021.98 3635275.90 0.73633 503071.98 3635275.90 0.75112
503121.98 3635275.90 0.76548 503171.98 3635275.90 0.77936
503221.98 3635275.90 0.79051 503271.98 3635275.90 0.80339
503321.98 3635275.90 0.81498 503371.98 3635275.90 0.82682
503421.98 3635275.90 0.83665 503471.98 3635275.90 0.84621
503521.98 3635275.90 0.85422 503571.98 3635275.90 0.86426
503621.98 3635275.90 0.87124 504371.98 3635275.90 0.77766
504421.98 3635275.90 0.76279 504471.98 3635275.90 0.74701
504521.98 3635275.90 0.73106 504571.98 3635275.90 0.71503
504621.98 3635275.90 0.69903 504671.98 3635275.90 0.68196
502721.98 3635325.90 0.62113 502771.98 3635325.90 0.63555
502821.98 3635325.90 0.64964 502871.98 3635325.90 0.66360
502921.98 3635325.90 0.67766 502971.98 3635325.90 0.69117
503021.98 3635325.90 0.70499 503071.98 3635325.90 0.71827
503121.98 3635325.90 0.73125 503171.98 3635325.90 0.74370
503221.98 3635325.90 0.75366 503271.98 3635325.90 0.76515
503321.98 3635325.90 0.77580 503371.98 3635325.90 0.78624

```
         503421.98    3635325.90        0.79536                       503471.98
3635325.90        0.80357
         503521.98    3635325.90        0.80996                       503571.98
3635325.90        0.81755
         503621.98    3635325.90        0.82427                       504371.98
3635325.90        0.74138
         504421.98    3635325.90        0.72784                       504471.98
3635325.90        0.71380
         504521.98    3635325.90        0.69926                       504571.98
3635325.90        0.68463
         504621.98    3635325.90        0.67038                       504671.98
3635325.90        0.65592
         504721.98    3635325.90        0.64000                       502721.98
3635375.90        0.59960
         502771.98    3635375.90        0.61392                       502821.98
3635375.90        0.62690
         502871.98    3635375.90        0.63971                       502921.98
3635375.90        0.65216
         502971.98    3635375.90        0.66329                       503021.98
3635375.90        0.67663
         503071.98    3635375.90        0.68911                       503121.98
3635375.90        0.69947
         503171.98    3635375.90        0.71037                       503221.98
3635375.90        0.71940
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 463
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                 INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
```

Y-COORD (M) CONC

- - - -

3635425.90   0.60611
         504721.98   3635425.90   0.59386   502721.98
3635475.90   0.55939
         502771.98   3635475.90   0.56996   502821.98
3635475.90   0.58078
         502871.98   3635475.90   0.59154   502921.98
3635475.90   0.60247
         502971.98   3635475.90   0.61261   503021.98
3635475.90   0.62282
         503071.98   3635475.90   0.63259   503121.98
3635475.90   0.64091
         503171.98   3635475.90   0.65001   503221.98
3635475.90   0.65891
         503271.98   3635475.90   0.66735   503321.98
3635475.90   0.67502
         503371.98   3635475.90   0.68191   503421.98
3635475.90   0.68823
         503471.98   3635475.90   0.69405   503521.98
3635475.90   0.69906
         503571.98   3635475.90   0.70331   503621.98
3635475.90   0.70643
         503671.98   3635475.90   0.70908   503721.98
3635475.90   0.71054
         503771.98   3635475.90   0.71077   503821.98
3635475.90   0.71025
         503871.98   3635475.90   0.70864   503921.98
3635475.90   0.70650
         504371.98   3635475.90   0.64631   504421.98
3635475.90   0.63678
         504471.98   3635475.90   0.62682   504521.98
3635475.90   0.61596
         504571.98   3635475.90   0.60533   504621.98
3635475.90   0.59441

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
                              INCLUDING SOURCE(S):   L0000595   , L0000596 , L0000597   , L0000598   , L0000599   ,
                 L0000600   , L0000601   , L0000602   , L0000603   , L0000604 , L0000605   , L0000606   , L0000607   ,
                 L0000608   , L0000609   , L0000610   , L0000611   , L0000612 , L0000613   , L0000614   , L0000615   ,
                 L0000616   , L0000617   , L0000618   , L0000619   , L0000620

, L0000621   , L0000622   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504671.98	3635475.90	0.58331	504721.98	3635475.90	0.57231
502221.98	3632975.90	0.85311	502271.98	3632975.90	0.89687
502321.98	3632975.90	0.94485	502371.98	3632975.90	0.99767
502421.98	3632975.90	1.05549	502471.98	3632975.90	1.11891
502521.98	3632975.90	1.18535	502571.98	3632975.90	1.26176
502621.98	3632975.90	1.34772	502671.98	3632975.90	1.44507
502721.98	3632975.90	1.55545	502771.98	3632975.90	1.68331
502821.98	3632975.90	1.84193	502871.98	3632975.90	1.97084
502921.98	3632975.90	2.15284	502971.98	3632975.90	1.68751
503021.98	3632975.90	1.83293	503071.98	3632975.90	2.67617
503121.98	3632975.90	3.29170	503171.98	3632975.90	3.74134
503221.98	3632975.90	4.28894	503271.98	3632975.90	5.03628
503321.98	3632975.90	6.10950	503371.98	3632975.90	7.71016
503421.98	3632975.90	10.71289	503471.98	3632975.90	17.07697
503621.98	3632975.90	26.09265	503671.98	3632975.90	14.65690
503721.98	3632975.90	9.41478	503771.98	3632975.90	6.10649
503821.98	3632975.90	3.91044	503871.98	3632975.90	3.10984
503921.98	3632975.90	2.69158	503971.98	3632975.90	2.39448
504021.98	3632975.90	2.14874	504071.98	3632975.90	1.95916

```
         504121.98    3632975.90        1.78720                        504171.98
3632975.90        1.65157
         504221.98    3632975.90        1.53282                        504271.98
3632975.90        1.43078
         504321.98    3632975.90        1.34008                        504371.98
3632975.90        1.25482
         504421.98    3632975.90        1.18127                        504471.98
3632975.90        1.11612
         504521.98    3632975.90        1.05814                        504571.98
3632975.90        1.00398
         504621.98    3632975.90        0.95332                        504671.98
3632975.90        0.90710
         504721.98    3632975.90        0.86488                        504771.98
3632975.90        0.82533
         504821.98    3632975.90        0.78671                        504871.98
3632975.90        0.75121
         504921.98    3632975.90        0.71878                        504971.98
3632975.90        0.68823
         505021.98    3632975.90        0.65891                        505071.98
3632975.90        0.63196
         505121.98    3632975.90        0.60801                        505171.98
3632975.90        0.58741
         505221.98    3632975.90        0.56894                        502221.98
3633025.90        0.86193
         502271.98    3633025.90        0.91273                        502321.98
3633025.90        0.96099
         502371.98    3633025.90        1.01630                        502421.98
3633025.90        1.07707
         502471.98    3633025.90        1.14092                        502521.98
3633025.90        1.21336
         502571.98    3633025.90        1.29397                        502621.98
3633025.90        1.38563
         502671.98    3633025.90        1.48682                        502721.98
3633025.90        1.60151
         502771.98    3633025.90        1.73392                        502821.98
3633025.90        1.90898
         502871.98    3633025.90        2.06099                        502921.98
3633025.90        2.23881
         502971.98    3633025.90        1.83756                        503021.98
3633025.90        2.22627
         503071.98    3633025.90        3.02950                        503121.98
3633025.90        3.47724
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 465
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***

INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503171.98	3633025.90	3.96042	503221.98	3633025.90	4.56003
503271.98	3633025.90	5.39771	503321.98	3633025.90	6.56789
503371.98	3633025.90	8.42095	503421.98	3633025.90	12.02861
503471.98	3633025.90	18.72793	503621.98	3633025.90	27.77877
503671.98	3633025.90	16.03934	503721.98	3633025.90	10.86283
503771.98	3633025.90	5.73127	503821.98	3633025.90	4.04561
503871.98	3633025.90	3.31160	503921.98	3633025.90	2.86346
503971.98	3633025.90	2.53363	504021.98	3633025.90	2.27084
504071.98	3633025.90	2.05553	504121.98	3633025.90	1.87757
504171.98	3633025.90	1.72887	504221.98	3633025.90	1.60251
504271.98	3633025.90	1.49156	504321.98	3633025.90	1.39354
504371.98	3633025.90	1.30273	504421.98	3633025.90	1.22384
504471.98	3633025.90	1.15424	504521.98	3633025.90	1.08987
504571.98	3633025.90	1.03139	504621.98	3633025.90	0.97818
504671.98	3633025.90	0.92974	504721.98		

```
3633025.90        0.88521
         504771.98    3633025.90        0.84395                    504821.98
3633025.90        0.80439
         504871.98    3633025.90        0.76893                    504921.98
3633025.90        0.73550
         504971.98    3633025.90        0.70290                    505021.98
3633025.90        0.67116
         505071.98    3633025.90        0.64262                    505121.98
3633025.90        0.61767
         505171.98    3633025.90        0.59675                    505221.98
3633025.90        0.58095
         502221.98    3633075.90        0.87581                    502271.98
3633075.90        0.92714
         502321.98    3633075.90        0.97850                    502371.98
3633075.90        1.03485
         502421.98    3633075.90        1.09707                    502471.98
3633075.90        1.16208
         502521.98    3633075.90        1.23736                    502571.98
3633075.90        1.32316
         502621.98    3633075.90        1.41762                    502671.98
3633075.90        1.51981
         502721.98    3633075.90        1.64369                    502771.98
3633075.90        1.77892
         502821.98    3633075.90        1.95548                    502871.98
3633075.90        2.14385
         502921.98    3633075.90        2.33739                    502971.98
3633075.90        2.54013
         503021.98    3633075.90        2.85244                    503071.98
3633075.90        3.21324
         503121.98    3633075.90        3.64093                    503171.98
3633075.90        4.15629
         503221.98    3633075.90        4.80216                    503271.98
3633075.90        5.71274
         503321.98    3633075.90        7.00533                    503371.98
3633075.90        9.01232
         503421.98    3633075.90       12.76073                    503471.98
3633075.90       19.59579
         503621.98    3633075.90       28.69374                    503671.98
3633075.90       16.02555
         503721.98    3633075.90       10.55432                    503771.98
3633075.90        5.77324
         503821.98    3633075.90        4.21680                    503871.98
3633075.90        3.47739
         503921.98    3633075.90        3.01817                    503971.98
3633075.90        2.67315
         504021.98    3633075.90        2.38497                    504071.98
3633075.90        2.15494
         504121.98    3633075.90        1.96537                    504171.98
3633075.90        1.80647
         504221.98    3633075.90        1.67105                    504271.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
                                 INCLUDING SOURCE(S):   L0000595   , L0000596 , L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604 , L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612 , L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620 , L0000621   , L0000622   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
         502271.98    3633125.90        0.94022                    502321.98
3633125.90        0.99317
         502371.98    3633125.90        1.05092                    502421.98
3633125.90        1.11523
         502471.98    3633125.90        1.18394                    502521.98
3633125.90        1.26143
         502571.98    3633125.90        1.34799                    502621.98
3633125.90        1.44480
         502671.98    3633125.90        1.55633                    502721.98
3633125.90        1.67923
         502771.98    3633125.90        1.82728                    502821.98
3633125.90        1.99141
         502871.98    3633125.90        2.19799                    502921.98
3633125.90        2.42470
         502971.98    3633125.90        2.66957                    503021.98
3633125.90        2.97118
         503071.98    3633125.90        3.33855                    503121.98
3633125.90        3.78064
         503171.98    3633125.90        4.33046                    503221.98
3633125.90        5.02140
         503271.98    3633125.90        5.98097                    503321.98
3633125.90        7.30309
         503371.98    3633125.90        9.42689                    503421.98
3633125.90       13.30840
         503471.98    3633125.90       20.15021                    503621.98
3633125.90       28.50792
         503671.98    3633125.90       14.68903                    503721.98
3633125.90        9.71922
         503771.98    3633125.90        5.65872                    503821.98
3633125.90        4.37283
         503871.98    3633125.90        3.64278                    503921.98
3633125.90        3.16135
         503971.98    3633125.90        2.79550                    504021.98
3633125.90        2.48352
         504071.98    3633125.90        2.24602                    504121.98
3633125.90        2.04974
         504171.98    3633125.90        1.88246                    504221.98
3633125.90        1.73869
         504271.98    3633125.90        1.61474                    504321.98
3633125.90        1.50372
         504371.98    3633125.90        1.40390                    504421.98
3633125.90        1.31564
         504471.98    3633125.90        1.23242                    504521.98
3633125.90        1.15808
         504571.98    3633125.90        1.09177                    504621.98
3633125.90        1.03294
         504671.98    3633125.90        0.97970                    504721.98
3633125.90        0.93012
         504771.98    3633125.90        0.88472                    504821.98
3633125.90        0.84293
```

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502321.98   3633175.90   1.00471   502371.98
3633175.90   1.06768
         502421.98   3633175.90   1.13533   502471.98
3633175.90   1.20568
         502521.98   3633175.90   1.28617   502571.98
3633175.90   1.37666
         502621.98   3633175.90   1.47745   502671.98
3633175.90   1.59388
         502721.98   3633175.90   1.73228   502771.98
3633175.90   1.88451
         502821.98   3633175.90   2.06017   502871.98

3633175.90 2.24025
502921.98 3633175.90 2.47513 502971.98
3633175.90 2.73984
503021.98 3633175.90 3.06945 503071.98
3633175.90 3.43996
503121.98 3633175.90 3.90529 503171.98
3633175.90 4.46034
503221.98 3633175.90 5.22084 503271.98
3633175.90 6.23061
503321.98 3633175.90 7.60247 503371.98
3633175.90 9.81568
503421.98 3633175.90 13.64251 503471.98
3633175.90 20.82534
503621.98 3633175.90 22.88357 503671.98
3633175.90 14.25222
503721.98 3633175.90 8.34293 503771.98
3633175.90 5.68260
503821.98 3633175.90 4.51464 503871.98
3633175.90 3.78610
503921.98 3633175.90 3.29425 503971.98
3633175.90 2.90929
504021.98 3633175.90 2.58136 504071.98
3633175.90 2.33431
504121.98 3633175.90 2.13188 504171.98
3633175.90 1.96231
504221.98 3633175.90 1.80828 504271.98
3633175.90 1.67493
504321.98 3633175.90 1.55790 504371.98
3633175.90 1.46129
504421.98 3633175.90 1.36140 504471.98
3633175.90 1.27103
504521.98 3633175.90 1.19198 504571.98
3633175.90 1.12254
504621.98 3633175.90 1.06216 504671.98
3633175.90 1.00729
504721.98 3633175.90 0.95532 504771.98
3633175.90 0.90742
504821.98 3633175.90 0.86330 504871.98
3633175.90 0.82744
504921.98 3633175.90 0.80344 504971.98
3633175.90 0.75406
505021.98 3633175.90 0.70925 505071.98
3633175.90 0.67370
505121.98 3633175.90 0.64483 505171.98
3633175.90 0.62119
505221.98 3633175.90 0.60319 502221.98
3633225.90 0.91198
502271.98 3633225.90 0.96350 502321.98
3633225.90 1.01835
502371.98 3633225.90 1.08332 502421.98

3633225.90   1.15153
         502471.98   3633225.90   1.22170   502521.98
3633225.90   1.30543
         502571.98   3633225.90   1.39740   502621.98
3633225.90   1.50265
         502671.98   3633225.90   1.62149   502721.98
3633225.90   1.76596
         502771.98   3633225.90   1.91529   502821.98
3633225.90   2.09562
         502871.98   3633225.90   2.29566   502921.98
3633225.90   2.52252
         502971.98   3633225.90   2.78956   503021.98
3633225.90   3.11903
         503071.98   3633225.90   3.50353   503121.98
3633225.90   3.96824
         503171.98   3633225.90   4.57678   503221.98
3633225.90   5.37672
         503271.98   3633225.90   6.41512   503321.98
3633225.90   7.87404

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                 INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         503371.98   3633225.90   10.21150   503421.98
3633225.90   14.00029

503471.98 3633225.90 21.87544 503621.98
3633225.90 22.78407
503671.98 3633225.90 13.09962 503721.98
3633225.90 7.99193
503771.98 3633225.90 5.85329 503821.98
3633225.90 4.65899
503871.98 3633225.90 3.93629 503921.98
3633225.90 3.41588
503971.98 3633225.90 3.01842 504021.98
3633225.90 2.69170
504071.98 3633225.90 2.43402 504121.98
3633225.90 2.22517
504171.98 3633225.90 2.04513 504221.98
3633225.90 1.86822
504271.98 3633225.90 1.72948 504321.98
3633225.90 1.61946
504371.98 3633225.90 1.51982 504421.98
3633225.90 1.40678
504471.98 3633225.90 1.31001 504521.98
3633225.90 1.22625
504571.98 3633225.90 1.15408 504621.98
3633225.90 1.09145
504671.98 3633225.90 1.03675 504721.98
3633225.90 0.98392
504771.98 3633225.90 0.93194 504821.98
3633225.90 0.89078
504871.98 3633225.90 0.85200 504921.98
3633225.90 0.82560
504971.98 3633225.90 0.77257 505021.98
3633225.90 0.72428
505071.98 3633225.90 0.68802 505121.98
3633225.90 0.65574
505171.98 3633225.90 0.62528 505221.98
3633225.90 0.60447
502221.98 3633275.90 0.92026 502271.98
3633275.90 0.97239
502321.98 3633275.90 1.03135 502371.98
3633275.90 1.09543
502421.98 3633275.90 1.16346 502471.98
3633275.90 1.23906
502521.98 3633275.90 1.32363 502571.98
3633275.90 1.41739
502621.98 3633275.90 1.52526 502671.98
3633275.90 1.64561
502721.98 3633275.90 1.78259 502771.98
3633275.90 1.94677
502821.98 3633275.90 2.15337 502871.98
3633275.90 2.33758
502921.98 3633275.90 2.56266 502971.98
3633275.90 2.83700

```
         503021.98    3633275.90        3.17711                        503071.98
3633275.90        3.56465
         503121.98    3633275.90        4.03201                        503171.98
3633275.90        4.64701
         503221.98    3633275.90        5.46543                        503271.98
3633275.90        6.59014
         503321.98    3633275.90        8.06460                        503371.98
3633275.90       10.42419
         503421.98    3633275.90       14.42252                        503471.98
3633275.90       14.85373
         503621.98    3633275.90       18.63184                        503671.98
3633275.90       11.79342
         503721.98    3633275.90        7.80903                        503771.98
3633275.90        5.93376
         503821.98    3633275.90        4.79362                        503871.98
3633275.90        4.07516
         503921.98    3633275.90        3.55405                        503971.98
3633275.90        3.17614
         504021.98    3633275.90        2.83185                        504071.98
3633275.90        2.54473
         504121.98    3633275.90        2.33653                        504171.98
3633275.90        2.12232
         504221.98    3633275.90        1.93504                        504271.98
3633275.90        1.79125
         504321.98    3633275.90        1.68836                        504371.98
3633275.90        1.59716
         504421.98    3633275.90        1.46485                        504471.98
3633275.90        1.35303
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 469
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504521.98	3633275.90	1.26165	504571.98	3633275.90	1.18632
504621.98	3633275.90	1.12341	504671.98	3633275.90	1.07058
504721.98	3633275.90	1.01269	504771.98	3633275.90	0.94964
504821.98	3633275.90	0.90938	504871.98	3633275.90	0.87827
504921.98	3633275.90	0.85153	504971.98	3633275.90	0.79673
505021.98	3633275.90	0.74607	505071.98	3633275.90	0.70915
505121.98	3633275.90	0.67131	505171.98	3633275.90	0.63149
505221.98	3633275.90	0.60802	502221.98	3633325.90	0.92805
502271.98	3633325.90	0.98157	502321.98	3633325.90	1.04049
502371.98	3633325.90	1.10433	502421.98	3633325.90	1.17417
502471.98	3633325.90	1.24904	502521.98	3633325.90	1.33632
502571.98	3633325.90	1.43278	502621.98	3633325.90	1.54203
502671.98	3633325.90	1.66440	502721.98	3633325.90	1.80381
502771.98	3633325.90	1.97625	502821.98	3633325.90	2.16047
502871.98	3633325.90	2.35122	502921.98	3633325.90	2.59070
502971.98	3633325.90	2.87501	503021.98	3633325.90	3.21261
503071.98	3633325.90	3.60549	503121.98	3633325.90	4.08458
503171.98	3633325.90	4.69552	503221.98	3633325.90	5.48945
503271.98	3633325.90	6.70516	503321.98	3633325.90	8.22650
503371.98	3633325.90	10.65364	503421.98	3633325.90	14.52204
503471.98	3633325.90	11.21941	503621.98	3633325.90	16.56530
503671.98	3633325.90	10.97587	503721.98		

3633325.90   7.70154
         503771.98   3633325.90   6.07235   503821.98
3633325.90   4.96760
         503871.98   3633325.90   4.22384   503921.98
3633325.90   3.73639
         503971.98   3633325.90   3.40537   504021.98
3633325.90   3.01206
         504071.98   3633325.90   2.67887   504121.98
3633325.90   2.48358
         504171.98   3633325.90   2.20850   504221.98
3633325.90   2.00258
         504271.98   3633325.90   1.86704   504321.98
3633325.90   1.78956
         504371.98   3633325.90   1.69477   504421.98
3633325.90   1.53291
         504471.98   3633325.90   1.40152   504521.98
3633325.90   1.29939
         504571.98   3633325.90   1.22248   504621.98
3633325.90   1.16060
         504671.98   3633325.90   1.11102   504721.98
3633325.90   1.04395
         504771.98   3633325.90   0.97235   504821.98
3633325.90   0.92541
         504871.98   3633325.90   0.90829   504921.98
3633325.90   0.88250
         504971.98   3633325.90   0.82576   505021.98
3633325.90   0.77633
         505071.98   3633325.90   0.73815   505121.98
3633325.90   0.68187
         505171.98   3633325.90   0.63866   505221.98
3633325.90   0.61721
         502221.98   3633375.90   0.93576   502271.98
3633375.90   0.98899
         502321.98   3633375.90   1.04706   502371.98
3633375.90   1.11068
         502421.98   3633375.90   1.18131   502471.98
3633375.90   1.25887

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                 L0000600   , L0000601   , L0000602   , L0000603   , L0000604

```
, L0000605    , L0000606    , L0000607    ,
                L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         502521.98    3633375.90        1.34633                       502571.98
3633375.90        1.44410
         502621.98    3633375.90        1.55393                       502671.98
3633375.90        1.67797
         502721.98    3633375.90        1.81910                       502771.98
3633375.90        1.97950
         502821.98    3633375.90        2.16195                       502871.98
3633375.90        2.36775
         502921.98    3633375.90        2.61149                       502971.98
3633375.90        2.89701
         503021.98    3633375.90        3.23700                       503071.98
3633375.90        3.63385
         503121.98    3633375.90        4.11999                       503171.98
3633375.90        4.72999
         503221.98    3633375.90        5.53194                       503271.98
3633375.90        6.57515
         503321.98    3633375.90        8.15389                       503371.98
3633375.90       10.70951
         503421.98    3633375.90       11.45099                       503471.98
3633375.90       14.20950
         503621.98    3633375.90       17.42915                       503671.98
3633375.90       11.23293
         503721.98    3633375.90        8.00345                       503771.98
3633375.90        6.35492
         503821.98    3633375.90        5.29904                       503871.98
3633375.90        4.45985
         503921.98    3633375.90        3.99357                       503971.98
3633375.90        3.72608
         504021.98    3633375.90        3.22954                       504071.98
3633375.90        2.84264
         504121.98    3633375.90        2.66006                       504171.98
3633375.90        2.29773
         504221.98    3633375.90        2.09984                       504271.98
3633375.90        1.99357
```

```
         504321.98    3633375.90        1.93484                       504371.98
3633375.90        1.82532
         504421.98    3633375.90        1.60972                       504471.98
3633375.90        1.45093
         504521.98    3633375.90        1.33786                       504571.98
3633375.90        1.26470
         504621.98    3633375.90        1.20600                       504671.98
3633375.90        1.16325
         504721.98    3633375.90        1.07769                       504771.98
3633375.90        0.99707
         504821.98    3633375.90        0.95382                       504871.98
3633375.90        0.95512
         504921.98    3633375.90        0.91613                       504971.98
3633375.90        0.86266
         505021.98    3633375.90        0.80980                       505071.98
3633375.90        0.74614
         505121.98    3633375.90        0.68632                       505171.98
3633375.90        0.64585
         505221.98    3633375.90        0.63002                       502221.98
3633425.90        0.93881
         502271.98    3633425.90        0.99112                       502321.98
3633425.90        1.04804
         502371.98    3633425.90        1.11186                       502421.98
3633425.90        1.18367
         502471.98    3633425.90        1.26918                       502521.98
3633425.90        1.35599
         502571.98    3633425.90        1.45263                       502621.98
3633425.90        1.56280
         502671.98    3633425.90        1.68360                       502721.98
3633425.90        1.82202
         502771.98    3633425.90        1.98169                       502821.98
3633425.90        2.16244
         502871.98    3633425.90        2.37198                       502921.98
3633425.90        2.62150
         502971.98    3633425.90        2.90782                       503021.98
3633425.90        3.24139
         503071.98    3633425.90        3.64839                       503121.98
3633425.90        4.12327
         503171.98    3633425.90        4.74293                       503221.98
3633425.90        5.53536
         503271.98    3633425.90        6.57825                       503321.98
3633425.90        8.16681
         503371.98    3633425.90       10.80342                       503421.98
3633425.90       12.50084
         503471.98    3633425.90       17.50864                       503621.98
3633425.90       22.18269
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 , L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 , L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503671.98	3633425.90	12.76962	503721.98	3633425.90	8.55808
503771.98	3633425.90	6.72272	503821.98	3633425.90	5.62774
503871.98	3633425.90	4.82484	503921.98	3633425.90	4.48671
503971.98	3633425.90	4.06912	504021.98	3633425.90	3.47698
504071.98	3633425.90	3.06057	504121.98	3633425.90	2.88490
504171.98	3633425.90	2.47361	504221.98	3633425.90	2.30268
504271.98	3633425.90	2.24216	504321.98	3633425.90	2.21457
504371.98	3633425.90	1.93798	504421.98	3633425.90	1.68846
504471.98	3633425.90	1.51117	504521.98	3633425.90	1.38318
504571.98	3633425.90	1.31428	504621.98	3633425.90	1.26983
504671.98	3633425.90	1.21486	504721.98	3633425.90	1.13951
504771.98	3633425.90	1.05086	504821.98	3633425.90	0.98709
504871.98	3633425.90	0.99847	504921.98		

3633425.90 0.94238
504971.98 3633425.90 0.87847 505021.98
3633425.90 0.79335
505071.98 3633425.90 0.73199 505121.98
3633425.90 0.68611
505171.98 3633425.90 0.65386 505221.98
3633425.90 0.64497
502221.98 3633475.90 0.94121 502271.98
3633475.90 0.99326
502321.98 3633475.90 1.05088 502371.98
3633475.90 1.11518
502421.98 3633475.90 1.18737 502471.98
3633475.90 1.27493
502521.98 3633475.90 1.35752 502571.98
3633475.90 1.45394
502621.98 3633475.90 1.56474 502671.98
3633475.90 1.68534
504771.98 3633475.90 1.15677 504821.98
3633475.90 1.09955
504871.98 3633475.90 1.03839 504921.98
3633475.90 0.98280
504971.98 3633475.90 0.89088 505021.98
3633475.90 0.79266
505071.98 3633475.90 0.73377 505121.98
3633475.90 0.69141
505171.98 3633475.90 0.65874 505221.98
3633475.90 0.64803
502221.98 3633525.90 0.94430 502271.98
3633525.90 0.99622
502321.98 3633525.90 1.05319 502371.98
3633525.90 1.11974
502421.98 3633525.90 1.19380 502471.98
3633525.90 1.27792
502521.98 3633525.90 1.35745 502571.98
3633525.90 1.44641
502621.98 3633525.90 1.55622 502671.98
3633525.90 1.67763
504771.98 3633525.90 1.17723 504821.98
3633525.90 1.10109
504871.98 3633525.90 1.03966 504921.98
3633525.90 0.98707
504971.98 3633525.90 0.93543 505021.98
3633525.90 0.83931
505071.98 3633525.90 0.75333 505121.98
3633525.90 0.69475
505171.98 3633525.90 0.66250 505221.98
3633525.90 0.64710
502221.98 3633575.90 0.95062 502271.98
3633575.90 0.99619
502321.98 3633575.90 1.05278 502371.98

```
3633575.90        1.11977
         502421.98    3633575.90        1.19162                      502471.98
3633575.90        1.26769
         502521.98    3633575.90        1.35079                      502571.98
3633575.90        1.44417
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 472
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3633575.90        1.55067                      502671.98
3633575.90        1.67021
         504771.98    3633575.90        1.17735                      504821.98
3633575.90        1.10955
         504871.98    3633575.90        1.05197                      504921.98
3633575.90        0.98342
         504971.98    3633575.90        0.94743                      505021.98
3633575.90        0.88288
         505071.98    3633575.90        0.78482                      505121.98
3633575.90        0.70747
         505171.98    3633575.90        0.67058                      505221.98
3633575.90        0.66174
         502221.98    3633625.90        0.95333                      502271.98
3633625.90        0.99327
         502321.98    3633625.90        1.05242                      502371.98
3633625.90        1.11703
```

```
         502421.98    3633625.90        1.18982                    502471.98
3633625.90        1.26211
         502521.98    3633625.90        1.35111                    502571.98
3633625.90        1.44520
         502621.98    3633625.90        1.55076                    502671.98
3633625.90        1.66627
         504771.98    3633625.90        1.17499                    504821.98
3633625.90        1.15398
         504871.98    3633625.90        1.06473                    504921.98
3633625.90        1.00028
         504971.98    3633625.90        0.96453                    505021.98
3633625.90        0.90761
         505071.98    3633625.90        0.80170                    505121.98
3633625.90        0.72508
         505171.98    3633625.90        0.68070                    505221.98
3633625.90        0.67522
         502221.98    3633675.90        0.94473                    502271.98
3633675.90        0.98854
         502321.98    3633675.90        1.04706                    502371.98
3633675.90        1.10886
         502421.98    3633675.90        1.18242                    502471.98
3633675.90        1.25836
         502521.98    3633675.90        1.34463                    502571.98
3633675.90        1.43756
         502621.98    3633675.90        1.54034                    502671.98
3633675.90        1.65412
         504771.98    3633675.90        1.22193                    504821.98
3633675.90        1.16744
         504871.98    3633675.90        1.10824                    504921.98
3633675.90        1.05063
         504971.98    3633675.90        0.99235                    505021.98
3633675.90        0.92450
         505071.98    3633675.90        0.81191                    505121.98
3633675.90        0.72273
         505171.98    3633675.90        0.68306                    505221.98
3633675.90        0.67741
         502221.98    3633725.90        0.93691                    502271.98
3633725.90        0.98228
         502321.98    3633725.90        1.04161                    502371.98
3633725.90        1.10441
         502421.98    3633725.90        1.17386                    502471.98
3633725.90        1.24999
         502521.98    3633725.90        1.33412                    502571.98
3633725.90        1.42652
         502621.98    3633725.90        1.52830                    502671.98
3633725.90        1.63937
         504771.98    3633725.90        1.32774                    504821.98
3633725.90        1.20812
         504871.98    3633725.90        1.14847                    504921.98
3633725.90        1.07249
```

```
         504971.98    3633725.90        0.99754                      505021.98
3633725.90        0.90946
         505071.98    3633725.90        0.79097                      505121.98
3633725.90        0.71131
         505171.98    3633725.90        0.68830                      505221.98
3633725.90        0.67639
         502221.98    3633775.90        0.92988                      502271.98
3633775.90        0.97525
         502321.98    3633775.90        1.03775                      502371.98
3633775.90        1.09829
         502421.98    3633775.90        1.16783                      502471.98
3633775.90        1.23828
         502521.98    3633775.90        1.32134                      502571.98
3633775.90        1.41256
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 473
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                 L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                 L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                 L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3633775.90        1.51050                      502671.98
3633775.90        1.61954
         504771.98    3633775.90        1.40358                      504821.98
3633775.90        1.29477
         504871.98    3633775.90        1.17636                      504921.98
3633775.90        1.05257
         504971.98    3633775.90        0.97777                      505021.98
```

3633775.90 0.87977
505071.98 3633775.90 0.78706 505121.98
3633775.90 0.71407
505171.98 3633775.90 0.68520 505221.98
3633775.90 0.67489
502221.98 3633825.90 0.92590 502271.98
3633825.90 0.96934
502321.98 3633825.90 1.02751 502371.98
3633825.90 1.08912
502421.98 3633825.90 1.15477 502471.98
3633825.90 1.22547
502521.98 3633825.90 1.30568 502571.98
3633825.90 1.39523
502621.98 3633825.90 1.49376 502671.98
3633825.90 1.59918
504771.98 3633825.90 1.43110 504821.98
3633825.90 1.30225
504871.98 3633825.90 1.10554 504921.98
3633825.90 0.98031
504971.98 3633825.90 0.90961 505021.98
3633825.90 0.85328
505071.98 3633825.90 0.77661 505121.98
3633825.90 0.70372
505171.98 3633825.90 0.68088 505221.98
3633825.90 0.67325
502221.98 3633875.90 0.91515 502271.98
3633875.90 0.96027
502321.98 3633875.90 1.01914 502371.98
3633875.90 1.07512
502421.98 3633875.90 1.14062 502471.98
3633875.90 1.20783
502521.98 3633875.90 1.28788 502571.98
3633875.90 1.37643
502621.98 3633875.90 1.47205 502671.98
3633875.90 1.57404
504771.98 3633875.90 1.41949 504821.98
3633875.90 1.24305
504871.98 3633875.90 1.05167 504921.98
3633875.90 0.94498
504971.98 3633875.90 0.86567 505021.98
3633875.90 0.79940
505071.98 3633875.90 0.76002 505121.98
3633875.90 0.70433
505171.98 3633875.90 0.68410 505221.98
3633875.90 0.67125
502221.98 3633925.90 0.90502 502271.98
3633925.90 0.95168
502321.98 3633925.90 1.00644 502371.98
3633925.90 1.06010
502421.98 3633925.90 1.12691 502471.98

3633925.90   1.19301
         502521.98   3633925.90   1.26940   502571.98
3633925.90   1.35348
         502621.98   3633925.90   1.44591   502671.98
3633925.90   1.54461
         504771.98   3633925.90   1.37187   504821.98
3633925.90   1.20388
         504871.98   3633925.90   1.06496   504921.98
3633925.90   0.92133
         504971.98   3633925.90   0.82134   505021.98
3633925.90   0.77392
         505071.98   3633925.90   0.73620   505121.98
3633925.90   0.70518
         505171.98   3633925.90   0.69028   505221.98
3633925.90   0.67466
         502221.98   3633975.90   0.89543   502271.98
3633975.90   0.93723
         502321.98   3633975.90   0.98946   502371.98
3633975.90   1.04777
         502421.98   3633975.90   1.11005   502471.98
3633975.90   1.17604
         502521.98   3633975.90   1.25027   502571.98
3633975.90   1.32946

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                 INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         505071.98    3634075.90        0.69911                        505121.98
3634075.90        0.70393
         505171.98    3634075.90        0.71228                        505221.98
3634075.90        0.69743
         502221.98    3634125.90        0.85010                        502271.98
3634125.90        0.89495
         502321.98    3634125.90        0.94018                        502371.98
3634125.90        0.99178
         502421.98    3634125.90        1.04548                        502471.98
3634125.90        1.10396
         502521.98    3634125.90        1.16745                        502571.98
3634125.90        1.23722
         502621.98    3634125.90        1.32054                        502671.98
3634125.90        1.41101
         504771.98    3634125.90        1.07993                        504821.98
3634125.90        1.00629
         504871.98    3634125.90        0.91812                        504921.98
3634125.90        0.80547
         504971.98    3634125.90        0.76028                        505021.98
3634125.90        0.71809
         505071.98    3634125.90        0.70798                        505121.98
3634125.90        0.71849
         505171.98    3634125.90        0.71913                        505221.98
3634125.90        0.70607
         502221.98    3634175.90        0.83039                        502271.98
3634175.90        0.87271
         502321.98    3634175.90        0.91614                        502371.98
3634175.90        0.97531
         502421.98    3634175.90        1.02702                        502471.98
3634175.90        1.08274
         502521.98    3634175.90        1.14193                        502571.98
3634175.90        1.20795
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 475
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                 L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                 L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                 L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634175.90	1.28001	502671.98	3634175.90	1.36228
504771.98	3634175.90	0.96891	504821.98	3634175.90	0.89675
504871.98	3634175.90	0.83880	504921.98	3634175.90	0.79428
504971.98	3634175.90	0.75470	505021.98	3634175.90	0.73171
505071.98	3634175.90	0.70092	505121.98	3634175.90	0.72133
505171.98	3634175.90	0.72025	505221.98	3634175.90	0.71817
502221.98	3634225.90	0.81603	502271.98	3634225.90	0.85468
502321.98	3634225.90	0.90229	502371.98	3634225.90	0.95525
502421.98	3634225.90	1.00643	502471.98	3634225.90	1.06001
502521.98	3634225.90	1.11573	502571.98	3634225.90	1.17896
502621.98	3634225.90	1.24631	502671.98	3634225.90	1.32132
504771.98	3634225.90	0.89485	504821.98	3634225.90	0.83633
504871.98	3634225.90	0.81596	504921.98	3634225.90	0.77965
504971.98	3634225.90	0.77773	505021.98	3634225.90	0.73928
505071.98	3634225.90	0.70515	505121.98	3634225.90	0.71145
505171.98	3634225.90	0.68472	505221.98	3634225.90	0.70555
502221.98	3634275.90	0.80144	502271.98	3634275.90	0.83881
502321.98	3634275.90	0.88242	502371.98	3634275.90	0.93417
502421.98	3634275.90	0.98251	502471.98	3634275.90	1.03339
502521.98	3634275.90	1.08859	502571.98		

3634275.90   1.14746
         502621.98   3634275.90   1.21293   502671.98
3634275.90   1.28351
         504771.98   3634275.90   0.86087   504821.98
3634275.90   0.82171
         504871.98   3634275.90   0.80081   504921.98
3634275.90   0.78888
         504971.98   3634275.90   0.80400   505021.98
3634275.90   0.74227
         505071.98   3634275.90   0.70885   505121.98
3634275.90   0.71378
         505171.98   3634275.90   0.66530   505221.98
3634275.90   0.68822
         502221.98   3634325.90   0.78751   502271.98
3634325.90   0.82476
         502321.98   3634325.90   0.86389   502371.98
3634325.90   0.90597
         502421.98   3634325.90   0.95075   502471.98
3634325.90   0.99804
         502521.98   3634325.90   1.04959   502571.98
3634325.90   1.10484
         502621.98   3634325.90   1.16434   502671.98
3634325.90   1.23000
         504771.98   3634325.90   0.85716   504821.98
3634325.90   0.84793
         504871.98   3634325.90   0.82888   504921.98
3634325.90   0.82793
         504971.98   3634325.90   0.82154   505021.98
3634325.90   0.73980
         505071.98   3634325.90   0.70621   505121.98
3634325.90   0.72419
         505171.98   3634325.90   0.67487   505221.98
3634325.90   0.66642
         502221.98   3634375.90   0.77476   502271.98
3634375.90   0.81045
         502321.98   3634375.90   0.84530   502371.98
3634375.90   0.88308
         502421.98   3634375.90   0.92858   502471.98
3634375.90   0.97735
         502521.98   3634375.90   1.03128   502571.98
3634375.90   1.08436

                            *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596
, L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604
, L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612
, L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620
, L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634375.90	1.13566	502671.98	3634375.90	1.18785
504771.98	3634375.90	0.86386	504821.98	3634375.90	0.88729
504871.98	3634375.90	0.86606	504921.98	3634375.90	0.86346
504971.98	3634375.90	0.82506	505021.98	3634375.90	0.73848
505071.98	3634375.90	0.71311	505121.98	3634375.90	0.73722
505171.98	3634375.90	0.69251	505221.98	3634375.90	0.65989
502221.98	3634425.90	0.76349	502271.98	3634425.90	0.79824
502321.98	3634425.90	0.83397	502371.98	3634425.90	0.87205
502421.98	3634425.90	0.91334	502471.98	3634425.90	0.95592
502521.98	3634425.90	1.00315	502571.98	3634425.90	1.05268
502621.98	3634425.90	1.10598	502671.98	3634425.90	1.16233
504771.98	3634425.90	0.84984	504821.98	3634425.90	0.86756
504871.98	3634425.90	0.90875	504921.98	3634425.90	0.91889
504971.98	3634425.90	0.83216	505021.98	3634425.90	0.78348
505071.98	3634425.90	0.77443	505121.98	3634425.90	0.75487

505171.98 3634425.90 0.70814 505221.98 3634425.90 0.66739
502221.98 3634475.90 0.74729 502271.98 3634475.90 0.77996
502321.98 3634475.90 0.81429 502371.98 3634475.90 0.85075
502421.98 3634475.90 0.88941 502471.98 3634475.90 0.92998
502521.98 3634475.90 0.97463 502571.98 3634475.90 1.02135
502621.98 3634475.90 1.07100 502671.98 3634475.90 1.12410
504771.98 3634475.90 0.84677 504821.98 3634475.90 0.82913
504871.98 3634475.90 0.87928 504921.98 3634475.90 0.94228
504971.98 3634475.90 0.88330 505021.98 3634475.90 0.84012
505071.98 3634475.90 0.81210 505121.98 3634475.90 0.76955
505171.98 3634475.90 0.72171 505221.98 3634475.90 0.67861
502221.98 3634525.90 0.73102 502271.98 3634525.90 0.76149
502321.98 3634525.90 0.79401 502371.98 3634525.90 0.82874
502421.98 3634525.90 0.86511 502471.98 3634525.90 0.90396
502521.98 3634525.90 0.94493 502571.98 3634525.90 0.98917
502621.98 3634525.90 1.03596 502671.98 3634525.90 1.08766
504771.98 3634525.90 0.90913 504821.98 3634525.90 0.85154
504871.98 3634525.90 0.88736 504921.98 3634525.90 0.93340
504971.98 3634525.90 0.91331 505021.98 3634525.90 0.86428
505071.98 3634525.90 0.82034 505121.98 3634525.90 0.77171
505171.98 3634525.90 0.71808 505221.98 3634525.90 0.66656
502221.98 3634575.90 0.71594 502271.98 3634575.90 0.74314
502321.98 3634575.90 0.77349 502371.98 3634575.90 0.80612
502421.98 3634575.90 0.84078 502471.98 3634575.90 0.87764
502521.98 3634575.90 0.91621 502571.98 3634575.90 0.95736

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634575.90	1.00113	502671.98	3634575.90	1.04879
504771.98	3634575.90	1.02046	504821.98	3634575.90	0.95708
504871.98	3634575.90	0.94604	504921.98	3634575.90	0.95101
504971.98	3634575.90	0.90648	505021.98	3634575.90	0.84772
505071.98	3634575.90	0.79813	505121.98	3634575.90	0.75548
505171.98	3634575.90	0.67915	505221.98	3634575.90	0.63242
502221.98	3634625.90	0.69932	502271.98	3634625.90	0.72655
502321.98	3634625.90	0.75320	502371.98	3634625.90	0.78380
502421.98	3634625.90	0.81618	502471.98	3634625.90	0.85074
502521.98	3634625.90	0.88877	502571.98	3634625.90	0.92710
502621.98	3634625.90	0.96793	502671.98		

```
3634625.90        1.01057
         504771.98    3634625.90        1.06353                    504821.98
3634625.90        1.02503
         504871.98    3634625.90        0.97735                    504921.98
3634625.90        0.93142
         504971.98    3634625.90        0.87909                    505021.98
3634625.90        0.82253
         505071.98    3634625.90        0.77035                    505121.98
3634625.90        0.72879
         505171.98    3634625.90        0.64101                    505221.98
3634625.90        0.59145
         502221.98    3634675.90        0.68141                    502271.98
3634675.90        0.70896
         502321.98    3634675.90        0.73692                    502371.98
3634675.90        0.76536
         502421.98    3634675.90        0.79612                    502471.98
3634675.90        0.82838
         502521.98    3634675.90        0.86218                    502571.98
3634675.90        0.89833
         502621.98    3634675.90        0.93613                    502671.98
3634675.90        0.97473
         504771.98    3634675.90        1.04162                    504821.98
3634675.90        0.99332
         504871.98    3634675.90        0.94421                    504921.98
3634675.90        0.90204
         504971.98    3634675.90        0.85956                    505021.98
3634675.90        0.79980
         505071.98    3634675.90        0.74159                    505121.98
3634675.90        0.70154
         505171.98    3634675.90        0.63064                    505221.98
3634675.90        0.57608
         502221.98    3634725.90        0.66455                    502271.98
3634725.90        0.69010
         502321.98    3634725.90        0.71483                    502371.98
3634725.90        0.74214
         502421.98    3634725.90        0.77256                    502471.98
3634725.90        0.80323
         502521.98    3634725.90        0.83432                    502571.98
3634725.90        0.86849
         502621.98    3634725.90        0.90334                    502671.98
3634725.90        0.94072
         504771.98    3634725.90        1.00124                    504821.98
3634725.90        0.95596
         504871.98    3634725.90        0.91395                    504921.98
3634725.90        0.87296
         504971.98    3634725.90        0.82608                    505021.98
3634725.90        0.76200
         505071.98    3634725.90        0.71257                    505121.98
3634725.90        0.66721
         505171.98    3634725.90        0.59146                    505221.98
```

3634725.90   0.55605
         502221.98   3634775.90   0.64971   502271.98
3634775.90   0.67406
         502321.98   3634775.90   0.69571   502371.98
3634775.90   0.72073
         502421.98   3634775.90   0.74729   502471.98
3634775.90   0.77595
         502521.98   3634775.90   0.80840   502571.98
3634775.90   0.83906

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502621.98   3634775.90   0.87163   502671.98
3634775.90   0.90620
         504771.98   3634775.90   0.96212   504821.98
3634775.90   0.92231
         504871.98   3634775.90   0.88233   504921.98
3634775.90   0.84251
         504971.98   3634775.90   0.77712   505021.98
3634775.90   0.71941
         505071.98   3634775.90   0.68215   505121.98
3634775.90   0.64389
         505171.98   3634775.90   0.56499   505221.98
3634775.90   0.52173

```
         502221.98    3634825.90        0.63428                    502271.98
3634825.90        0.65686
         502321.98    3634825.90        0.67922                    502371.98
3634825.90        0.70312
         502421.98    3634825.90        0.72694                    502471.98
3634825.90        0.75149
         502521.98    3634825.90        0.78233                    502571.98
3634825.90        0.81180
         502621.98    3634825.90        0.84179                    502671.98
3634825.90        0.87273
         504771.98    3634825.90        0.92436                    504821.98
3634825.90        0.88696
         504871.98    3634825.90        0.85351                    504921.98
3634825.90        0.80711
         504971.98    3634825.90        0.73109                    505021.98
3634825.90        0.63683
         505071.98    3634825.90        0.61690                    505121.98
3634825.90        0.59467
         505171.98    3634825.90        0.53198                    505221.98
3634825.90        0.49561
         502221.98    3634875.90        0.62038                    502271.98
3634875.90        0.63918
         502321.98    3634875.90        0.66061                    502371.98
3634875.90        0.68356
         502421.98    3634875.90        0.70716                    502471.98
3634875.90        0.73163
         502521.98    3634875.90        0.75720                    502571.98
3634875.90        0.78402
         502621.98    3634875.90        0.81206                    502671.98
3634875.90        0.84125
         504771.98    3634875.90        0.88845                    504821.98
3634875.90        0.85510
         504871.98    3634875.90        0.82529                    504921.98
3634875.90        0.77857
         504971.98    3634875.90        0.69867                    505021.98
3634875.90        0.59875
         505071.98    3634875.90        0.53950                    505121.98
3634875.90        0.53585
         505171.98    3634875.90        0.50253                    505221.98
3634875.90        0.48456
         502221.98    3634925.90        0.60452                    502271.98
3634925.90        0.62232
         502321.98    3634925.90        0.64279                    502371.98
3634925.90        0.66397
         502421.98    3634925.90        0.68619                    502471.98
3634925.90        0.70844
         502521.98    3634925.90        0.73269                    502571.98
3634925.90        0.75750
         502621.98    3634925.90        0.78294                    502671.98
3634925.90        0.81032
```

```
         504771.98    3634925.90        0.85398                       504821.98
3634925.90        0.82380
         504871.98    3634925.90        0.79636                       504921.98
3634925.90        0.76419
         504971.98    3634925.90        0.70113                       505021.98
3634925.90        0.59011
         505071.98    3634925.90        0.52000                       505121.98
3634925.90        0.51173
         505171.98    3634925.90        0.48887                       505221.98
3634925.90        0.47820
         502221.98    3634975.90        0.58899                       502271.98
3634975.90        0.60604
         502321.98    3634975.90        0.62459                       502371.98
3634975.90        0.64461
         502421.98    3634975.90        0.66530                       502471.98
3634975.90        0.68639
         502521.98    3634975.90        0.70894                       502571.98
3634975.90        0.73164
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 479
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634975.90        0.75539                       502671.98
3634975.90        0.78009
         504821.98    3634975.90        0.79337                       504871.98
```

3634975.90 0.76689
504921.98 3634975.90 0.74864 504971.98
3634975.90 0.69459
505021.98 3634975.90 0.60715 505071.98
3634975.90 0.53945
505121.98 3634975.90 0.54551 505171.98
3634975.90 0.52263
505221.98 3634975.90 0.49575 502221.98
3635025.90 0.57377
502271.98 3635025.90 0.58970 502321.98
3635025.90 0.60753
502371.98 3635025.90 0.62597 502421.98
3635025.90 0.64567
502471.98 3635025.90 0.66563 502521.98
3635025.90 0.68647
502571.98 3635025.90 0.70756 502621.98
3635025.90 0.72943
502671.98 3635025.90 0.75163 504871.98
3635025.90 0.73984
504921.98 3635025.90 0.72697 504971.98
3635025.90 0.68714
505021.98 3635025.90 0.62176 505071.98
3635025.90 0.57534
505121.98 3635025.90 0.58113 505171.98
3635025.90 0.56159
505221.98 3635025.90 0.52833 502221.98
3635075.90 0.55804
502271.98 3635075.90 0.57353 502321.98
3635075.90 0.59144
502371.98 3635075.90 0.60865 502421.98
3635075.90 0.62721
502471.98 3635075.90 0.64602 502521.98
3635075.90 0.66510
502571.98 3635075.90 0.68443 502621.98
3635075.90 0.70410
502671.98 3635075.90 0.72483 504921.98
3635075.90 0.69626
504971.98 3635075.90 0.68296 505021.98
3635075.90 0.64404
505071.98 3635075.90 0.61741 505121.98
3635075.90 0.60130
505171.98 3635075.90 0.58209 505221.98
3635075.90 0.56117
502221.98 3635125.90 0.54382 502271.98
3635125.90 0.55807
502321.98 3635125.90 0.57502 502371.98
3635125.90 0.59155
502421.98 3635125.90 0.60870 502471.98
3635125.90 0.62648
502521.98 3635125.90 0.64403 502571.98

```
3635125.90        0.66191
         502621.98    3635125.90        0.68036                        502671.98
3635125.90        0.69903
         505021.98    3635125.90        0.64184                        505071.98
3635125.90        0.61955
         505121.98    3635125.90        0.59833                        505171.98
3635125.90        0.57681
         505221.98    3635125.90        0.55755                        502221.98
3635175.90        0.52996
         502271.98    3635175.90        0.54345                        502321.98
3635175.90        0.55928
         502371.98    3635175.90        0.57503                        502421.98
3635175.90        0.59109
         502471.98    3635175.90        0.60755                        502521.98
3635175.90        0.62424
         502571.98    3635175.90        0.64069                        502621.98
3635175.90        0.65727
         502671.98    3635175.90        0.67480                        505121.98
3635175.90        0.57411
         505171.98    3635175.90        0.55761                        505221.98
3635175.90        0.54323
         502221.98    3635225.90        0.51610                        502271.98
3635225.90        0.52949
         502321.98    3635225.90        0.54368                        502371.98
3635225.90        0.55836
         502421.98    3635225.90        0.57339                        502471.98
3635225.90        0.58865
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 480
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3635225.90	0.60399	502571.98	3635225.90	0.61948
502621.98	3635225.90	0.63542	502671.98	3635225.90	0.65128
502221.98	3635275.90	0.50321	502271.98	3635275.90	0.51530
502321.98	3635275.90	0.52913	502371.98	3635275.90	0.54288
502421.98	3635275.90	0.55673	502471.98	3635275.90	0.57093
502521.98	3635275.90	0.58571	502571.98	3635275.90	0.59974
502621.98	3635275.90	0.61434	502671.98	3635275.90	0.62925
502221.98	3635325.90	0.49019	502271.98	3635325.90	0.50171
502321.98	3635325.90	0.51452	502371.98	3635325.90	0.52752
502421.98	3635325.90	0.54066	502471.98	3635325.90	0.55387
502521.98	3635325.90	0.56719	502571.98	3635325.90	0.58036
502621.98	3635325.90	0.59398	502671.98	3635325.90	0.60783
502221.98	3635375.90	0.47719	502271.98	3635375.90	0.48834
502321.98	3635375.90	0.50030	502371.98	3635375.90	0.51243
502421.98	3635375.90	0.52473	502471.98	3635375.90	0.53714
502521.98	3635375.90	0.54917	502571.98	3635375.90	0.56165
502621.98	3635375.90	0.57430	502671.98	3635375.90	0.58697
502221.98	3635425.90	0.46494	502271.98	3635425.90	0.47521
502321.98	3635425.90	0.48633	502371.98	3635425.90	0.49759
502421.98	3635425.90	0.50905	502471.98	3635425.90	0.52070
502521.98	3635425.90	0.53214	502571.98	3635425.90	0.54365
502621.98	3635425.90	0.55535	502671.98	3635425.90	0.56709

```
         504771.98    3635425.90        0.58113                        502221.98
3635475.90        0.45263
         502271.98    3635475.90        0.46260                        502321.98
3635475.90        0.47293
         502371.98    3635475.90        0.48344                        502421.98
3635475.90        0.49412
         502471.98    3635475.90        0.50474                        502521.98
3635475.90        0.51552
         502571.98    3635475.90        0.52625                        502621.98
3635475.90        0.53706
         502671.98    3635475.90        0.54828                        504771.98
3635475.90        0.56101
         504821.98    3635475.90        0.54959                        504871.98
3635475.90        0.53835
         504921.98    3635475.90        0.52698                        502221.98
3635525.90        0.44016
         502271.98    3635525.90        0.45025                        502321.98
3635525.90        0.45992
         502371.98    3635525.90        0.46963                        502421.98
3635525.90        0.47964
         502471.98    3635525.90        0.48974                        502521.98
3635525.90        0.49961
         502571.98    3635525.90        0.50969                        502621.98
3635525.90        0.51990
         502671.98    3635525.90        0.52956                        502721.98
3635525.90        0.53962
         502771.98    3635525.90        0.54969                        502821.98
3635525.90        0.55968
         502871.98    3635525.90        0.56957                        502921.98
3635525.90        0.57924
         502971.98    3635525.90        0.58879                        503021.98
3635525.90        0.59813
         503071.98    3635525.90        0.60698                        503121.98
3635525.90        0.61450
         503171.98    3635525.90        0.62274                        503221.98
3635525.90        0.63154
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 481
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                 L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
```

```
                 L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                 L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
         503271.98    3635525.90        0.63934                       503321.98
3635525.90        0.64637
         503371.98    3635525.90        0.65285                       503421.98
3635525.90        0.65861
         503471.98    3635525.90        0.66288                       503521.98
3635525.90        0.66760
         503571.98    3635525.90        0.67163                       503621.98
3635525.90        0.67378
         503671.98    3635525.90        0.67561                       503721.98
3635525.90        0.67688
         503771.98    3635525.90        0.67737                       503821.98
3635525.90        0.67686
         503871.98    3635525.90        0.67511                       503921.98
3635525.90        0.67303
         503971.98    3635525.90        0.66996                       504021.98
3635525.90        0.66562
         504071.98    3635525.90        0.66038                       504121.98
3635525.90        0.65498
         504171.98    3635525.90        0.64918                       504221.98
3635525.90        0.64202
         504271.98    3635525.90        0.63534                       504321.98
3635525.90        0.62758
         504371.98    3635525.90        0.61914                       504421.98
3635525.90        0.61026
         504471.98    3635525.90        0.60081                       504521.98
3635525.90        0.59125
         504571.98    3635525.90        0.58188                       504621.98
3635525.90        0.57194
         504671.98    3635525.90        0.56182                       504721.98
3635525.90        0.55173
         504771.98    3635525.90        0.54132                       504821.98
3635525.90        0.53095
         504871.98    3635525.90        0.52054                       504921.98
3635525.90        0.50988
         504971.98    3635525.90        0.49959                       505021.98
```

```
3635525.90        0.48944
         505071.98    3635525.90        0.47909                      505121.98
3635525.90        0.46876
         505171.98    3635525.90        0.45849                      505221.98
3635525.90        0.44830
         502221.98    3635575.90        0.42747                      502271.98
3635575.90        0.43827
         502321.98    3635575.90        0.44720                      502371.98
3635575.90        0.45644
         502421.98    3635575.90        0.46553                      502471.98
3635575.90        0.47488
         502521.98    3635575.90        0.48425                      502571.98
3635575.90        0.49363
         502621.98    3635575.90        0.50263                      502671.98
3635575.90        0.51180
         502721.98    3635575.90        0.52101                      502771.98
3635575.90        0.53044
         502821.98    3635575.90        0.53961                      502871.98
3635575.90        0.54869
         502921.98    3635575.90        0.55758                      502971.98
3635575.90        0.56597
         503021.98    3635575.90        0.57420                      503071.98
3635575.90        0.58313
         503121.98    3635575.90        0.58977                      503171.98
3635575.90        0.59722
         503221.98    3635575.90        0.60455                      503271.98
3635575.90        0.61062
         503321.98    3635575.90        0.61716                      503371.98
3635575.90        0.62350
         503421.98    3635575.90        0.62918                      503471.98
3635575.90        0.63648
         503521.98    3635575.90        0.64145                      503571.98
3635575.90        0.64124
         503621.98    3635575.90        0.64377                      503671.98
3635575.90        0.64531
         503721.98    3635575.90        0.64623                      503771.98
3635575.90        0.64641
         503821.98    3635575.90        0.64574                      503871.98
3635575.90        0.64446
         503921.98    3635575.90        0.64242                      503971.98
3635575.90        0.63959
         504021.98    3635575.90        0.63505                      504071.98
3635575.90        0.63079
         504121.98    3635575.90        0.62613                      504171.98
3635575.90        0.62089
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 , L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 , L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504221.98	3635575.90	0.61488	504271.98	3635575.90	0.60799
504321.98	3635575.90	0.60118	504371.98	3635575.90	0.59378
504421.98	3635575.90	0.58583	504471.98	3635575.90	0.57713
504521.98	3635575.90	0.56855	504571.98	3635575.90	0.55944
504621.98	3635575.90	0.55071	504671.98	3635575.90	0.54139
504721.98	3635575.90	0.53200	504771.98	3635575.90	0.52254
504821.98	3635575.90	0.51304	504871.98	3635575.90	0.50334
504921.98	3635575.90	0.49347	504971.98	3635575.90	0.48406
505021.98	3635575.90	0.47460	505071.98	3635575.90	0.46507
505121.98	3635575.90	0.45979	505171.98	3635575.90	0.44596
505221.98	3635575.90	0.43674	502221.98	3635625.90	0.41514
502271.98	3635625.90	0.42518	502321.98	3635625.90	0.43426
502371.98	3635625.90	0.44325	502421.98	3635625.90	0.45092

```
         502471.98    3635625.90        0.45933                    502521.98
3635625.90        0.46805
         502571.98    3635625.90        0.47769                    502621.98
3635625.90        0.48642
         502671.98    3635625.90        0.49488                    502721.98
3635625.90        0.50311
         502771.98    3635625.90        0.51146                    502821.98
3635625.90        0.51956
         502871.98    3635625.90        0.52764                    502921.98
3635625.90        0.53550
         502971.98    3635625.90        0.54336                    503021.98
3635625.90        0.55117
         503071.98    3635625.90        0.55886                    503121.98
3635625.90        0.56633
         503171.98    3635625.90        0.57380                    503221.98
3635625.90        0.58191
         503271.98    3635625.90        0.58857                    503321.98
3635625.90        0.59477
         503371.98    3635625.90        0.59920                    503421.98
3635625.90        0.60449
         503471.98    3635625.90        0.61551                    503521.98
3635625.90        0.62142
         503571.98    3635625.90        0.61707                    503621.98
3635625.90        0.61535
         503671.98    3635625.90        0.61666                    503721.98
3635625.90        0.61734
         503771.98    3635625.90        0.61749                    503821.98
3635625.90        0.61673
         503871.98    3635625.90        0.61578                    503921.98
3635625.90        0.61400
         503971.98    3635625.90        0.61150                    504021.98
3635625.90        0.60752
         504071.98    3635625.90        0.60355                    504121.98
3635625.90        0.59930
         504171.98    3635625.90        0.59452                    504221.98
3635625.90        0.58932
         504271.98    3635625.90        0.58340                    504321.98
3635625.90        0.57657
         504371.98    3635625.90        0.56985                    504421.98
3635625.90        0.56283
         504471.98    3635625.90        0.55505                    504521.98
3635625.90        0.54710
         504571.98    3635625.90        0.53868                    504621.98
3635625.90        0.53045
         504671.98    3635625.90        0.52189                    504721.98
3635625.90        0.51336
         504771.98    3635625.90        0.50473                    504821.98
3635625.90        0.49593
         504871.98    3635625.90        0.48696                    504921.98
3635625.90        0.47782
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504971.98	3635625.90	0.46916	505021.98	3635625.90	0.46000
505071.98	3635625.90	0.45111	505121.98	3635625.90	0.44267
505171.98	3635625.90	0.43376	505221.98	3635625.90	0.42494
502221.98	3635675.90	0.40268	502271.98	3635675.90	0.41269
502321.98	3635675.90	0.42097	502371.98	3635675.90	0.42943
502421.98	3635675.90	0.43723	502471.98	3635675.90	0.44539
502521.98	3635675.90	0.45360	502571.98	3635675.90	0.46223
502621.98	3635675.90	0.47065	502671.98	3635675.90	0.47865
502721.98	3635675.90	0.48596	502771.98	3635675.90	0.49332
502821.98	3635675.90	0.50098	502871.98	3635675.90	0.50876
502921.98	3635675.90	0.51708	502971.98		

3635675.90 0.52476
503021.98 3635675.90 0.53365 503071.98
3635675.90 0.54175
503121.98 3635675.90 0.55038 503171.98
3635675.90 0.55859
503221.98 3635675.90 0.56424 503271.98
3635675.90 0.57053
503321.98 3635675.90 0.57746 503371.98
3635675.90 0.58276
503421.98 3635675.90 0.58584 503471.98
3635675.90 0.59319
503521.98 3635675.90 0.59976 503571.98
3635675.90 0.59467
503621.98 3635675.90 0.59135 503671.98
3635675.90 0.59070
503721.98 3635675.90 0.59198 503771.98
3635675.90 0.59216
503821.98 3635675.90 0.59069 503871.98
3635675.90 0.58923
503921.98 3635675.90 0.58772 503971.98
3635675.90 0.58543
504021.98 3635675.90 0.58201 504071.98
3635675.90 0.57841
504121.98 3635675.90 0.57434 504171.98
3635675.90 0.56995
504221.98 3635675.90 0.56515 504271.98
3635675.90 0.55992
504321.98 3635675.90 0.55403 504371.98
3635675.90 0.54755
504421.98 3635675.90 0.54097 504471.98
3635675.90 0.53428
504521.98 3635675.90 0.52718 504571.98
3635675.90 0.51930
504621.98 3635675.90 0.51182 504671.98
3635675.90 0.50370
504721.98 3635675.90 0.49564 504771.98
3635675.90 0.48809
504821.98 3635675.90 0.47965 504871.98
3635675.90 0.47134
504921.98 3635675.90 0.46289 504971.98
3635675.90 0.45485
505021.98 3635675.90 0.44650 505071.98
3635675.90 0.43809
505121.98 3635675.90 0.43021 505171.98
3635675.90 0.42200
505221.98 3635675.90 0.41373 502221.98
3635725.90 0.39097
502271.98 3635725.90 0.40092 502321.98
3635725.90 0.40921
502371.98 3635725.90 0.41733 502421.98

```
3635725.90        0.42449
         502471.98    3635725.90        0.43217                      502521.98
3635725.90        0.43958
         502571.98    3635725.90        0.44788                      502621.98
3635725.90        0.45574
         502671.98    3635725.90        0.46281                      502721.98
3635725.90        0.46985
         502771.98    3635725.90        0.47679                      502821.98
3635725.90        0.48416
         502871.98    3635725.90        0.49138                      502921.98
3635725.90        0.50087
         502971.98    3635725.90        0.50896                      503021.98
3635725.90        0.51789
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 484
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         503071.98    3635725.90        0.52518                      503121.98
3635725.90        0.53350
         503171.98    3635725.90        0.54096                      503221.98
3635725.90        0.54568
         503271.98    3635725.90        0.55211                      503321.98
3635725.90        0.55897
         503371.98    3635725.90        0.56473                      503421.98
3635725.90        0.56592
```

503471.98 3635725.90 0.56993 503521.98 3635725.90 0.57467
503571.98 3635725.90 0.56996 503621.98 3635725.90 0.57042
503671.98 3635725.90 0.56728 503721.98 3635725.90 0.56910
503771.98 3635725.90 0.56888 503821.98 3635725.90 0.56644
503871.98 3635725.90 0.56476 503921.98 3635725.90 0.56349
503971.98 3635725.90 0.56158 504021.98 3635725.90 0.55825
504071.98 3635725.90 0.55501 504121.98 3635725.90 0.55123
504171.98 3635725.90 0.54721 504221.98 3635725.90 0.54307
504271.98 3635725.90 0.53823 504321.98 3635725.90 0.53267
504371.98 3635725.90 0.52698 504421.98 3635725.90 0.52079
504471.98 3635725.90 0.51470 504521.98 3635725.90 0.50817
504571.98 3635725.90 0.50104 504621.98 3635725.90 0.49397
504671.98 3635725.90 0.48671 504721.98 3635725.90 0.47902
504771.98 3635725.90 0.47147 504821.98 3635725.90 0.46404
504871.98 3635725.90 0.45629 504921.98 3635725.90 0.44860
504971.98 3635725.90 0.44113 505021.98 3635725.90 0.43350
505071.98 3635725.90 0.42565 505121.98 3635725.90 0.41819
505171.98 3635725.90 0.41053 505221.98 3635725.90 0.40285
502221.98 3635775.90 0.38017 502271.98 3635775.90 0.39009
502321.98 3635775.90 0.39773 502371.98 3635775.90 0.40552
502421.98 3635775.90 0.41227 502471.98 3635775.90 0.41938
502521.98 3635775.90 0.42639 502571.98 3635775.90 0.43370
502621.98 3635775.90 0.44081 502671.98 3635775.90 0.44767
502721.98 3635775.90 0.45463 502771.98 3635775.90 0.46131
502821.98 3635775.90 0.46808 502871.98 3635775.90 0.47504

```
         502921.98    3635775.90        0.48456                       502971.98
3635775.90        0.49219
         503021.98    3635775.90        0.50095                       503071.98
3635775.90        0.50822
         503121.98    3635775.90        0.51559                       503171.98
3635775.90        0.52205
         503221.98    3635775.90        0.53138                       503271.98
3635775.90        0.53857
         503321.98    3635775.90        0.54570                       503371.98
3635775.90        0.54896
         503421.98    3635775.90        0.54959                       503471.98
3635775.90        0.55224
         503521.98    3635775.90        0.56103                       503571.98
3635775.90        0.55704
         503621.98    3635775.90        0.55590                       503671.98
3635775.90        0.54928
         503721.98    3635775.90        0.54609                       503771.98
3635775.90        0.54678
         503821.98    3635775.90        0.54522                       503871.98
3635775.90        0.54481
         503921.98    3635775.90        0.54771                       503971.98
3635775.90        0.54410
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 485
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- -

504021.98	3635775.90	0.53612	504071.98	3635775.90	0.53392
504121.98	3635775.90	0.52989	504171.98	3635775.90	0.52619
504221.98	3635775.90	0.52226	504271.98	3635775.90	0.51786
504321.98	3635775.90	0.51279	504371.98	3635775.90	0.50748
504421.98	3635775.90	0.50187	504471.98	3635775.90	0.49623
504521.98	3635775.90	0.49016	504571.98	3635775.90	0.48363
504621.98	3635775.90	0.47712	504671.98	3635775.90	0.47028
504721.98	3635775.90	0.46327	504771.98	3635775.90	0.45629
504821.98	3635775.90	0.44921	504871.98	3635775.90	0.44209
504921.98	3635775.90	0.43494	504971.98	3635775.90	0.42801
505021.98	3635775.90	0.42088	505071.98	3635775.90	0.41356
505121.98	3635775.90	0.40652	505171.98	3635775.90	0.39940
505221.98	3635775.90	0.39229	502221.98	3635825.90	0.36993
502271.98	3635825.90	0.37947	502321.98	3635825.90	0.38685
502371.98	3635825.90	0.39423	502421.98	3635825.90	0.40052
502471.98	3635825.90	0.40725	502521.98	3635825.90	0.41379
502571.98	3635825.90	0.42058	502621.98	3635825.90	0.42723
502671.98	3635825.90	0.43371	502721.98	3635825.90	0.44007
502771.98	3635825.90	0.44642	502821.98	3635825.90	0.45287
502871.98	3635825.90	0.45973	502921.98	3635825.90	0.46909
502971.98	3635825.90	0.47600	503021.98	3635825.90	0.48477
503071.98	3635825.90	0.49197	503121.98	3635825.90	0.49875
503171.98	3635825.90	0.50503	503221.98	3635825.90	0.51256
503271.98	3635825.90	0.51941	503321.98	3635825.90	0.52654
503371.98	3635825.90	0.52990	503421.98		

3635825.90   0.53283
         503471.98   3635825.90   0.53509   503521.98
3635825.90   0.54911
         503571.98   3635825.90   0.55166   503621.98
3635825.90   0.54799
         503671.98   3635825.90   0.53566   503721.98
3635825.90   0.53001
         503771.98   3635825.90   0.52643   503821.98
3635825.90   0.52631
         503871.98   3635825.90   0.52573   503921.98
3635825.90   0.52691
         503971.98   3635825.90   0.52749   504021.98
3635825.90   0.51623
         504071.98   3635825.90   0.52063   504121.98
3635825.90   0.51781
         504171.98   3635825.90   0.50836   504221.98
3635825.90   0.50434
         504271.98   3635825.90   0.50308   504321.98
3635825.90   0.49423
         504371.98   3635825.90   0.48924   504421.98
3635825.90   0.48407
         504471.98   3635825.90   0.47881   504521.98
3635825.90   0.47329
         504571.98   3635825.90   0.46722   504621.98
3635825.90   0.46113
         504671.98   3635825.90   0.45477   504721.98
3635825.90   0.44820
         504771.98   3635825.90   0.44170   504821.98
3635825.90   0.43522
         504871.98   3635825.90   0.42863   504921.98
3635825.90   0.42193

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                 INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                 L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                 L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                 L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504971.98	3635825.90	0.41533	505021.98	3635825.90	0.40867
505071.98	3635825.90	0.40201	505121.98	3635825.90	0.39530
505171.98	3635825.90	0.38868	505221.98	3635825.90	0.38204
502221.98	3635875.90	0.36045	502271.98	3635875.90	0.36951
502321.98	3635875.90	0.37667	502371.98	3635875.90	0.38331
502421.98	3635875.90	0.38932	502471.98	3635875.90	0.39562
502521.98	3635875.90	0.40173	502571.98	3635875.90	0.40809
502621.98	3635875.90	0.41410	502671.98	3635875.90	0.42027
502721.98	3635875.90	0.42647	502771.98	3635875.90	0.43246
502821.98	3635875.90	0.43864	502871.98	3635875.90	0.44538
502921.98	3635875.90	0.45496	502971.98	3635875.90	0.46142
503021.98	3635875.90	0.46915	503071.98	3635875.90	0.47578
503121.98	3635875.90	0.48233	503171.98	3635875.90	0.48847
503221.98	3635875.90	0.49527	503271.98	3635875.90	0.50192
503321.98	3635875.90	0.50702	503371.98	3635875.90	0.51221
503421.98	3635875.90	0.51527	503471.98	3635875.90	0.52056
503521.98	3635875.90	0.52927	503571.98	3635875.90	0.53227
503621.98	3635875.90	0.52652	503671.98	3635875.90	0.51484
503721.98	3635875.90	0.51073	503771.98	3635875.90	0.50857
503821.98	3635875.90	0.50909	503871.98	3635875.90	0.51190

```
         503921.98    3635875.90        0.51017                        503971.98
3635875.90        0.50901
         504021.98    3635875.90        0.50182                        504071.98
3635875.90        0.50657
         504121.98    3635875.90        0.50363                        504171.98
3635875.90        0.49780
         504221.98    3635875.90        0.49848                        504271.98
3635875.90        0.49697
         504321.98    3635875.90        0.48463                        504371.98
3635875.90        0.47599
         504421.98    3635875.90        0.47042                        504471.98
3635875.90        0.46239
         504521.98    3635875.90        0.45715                        504571.98
3635875.90        0.45168
         504621.98    3635875.90        0.44601                        504671.98
3635875.90        0.44012
         504721.98    3635875.90        0.43393                        504771.98
3635875.90        0.42789
         504821.98    3635875.90        0.42185                        504871.98
3635875.90        0.41567
         504921.98    3635875.90        0.40945                        504971.98
3635875.90        0.40334
         505021.98    3635875.90        0.39701                        505071.98
3635875.90        0.39071
         505121.98    3635875.90        0.38452                        505171.98
3635875.90        0.37830
         505221.98    3635875.90        0.37211                        502221.98
3635925.90        0.35110
         502271.98    3635925.90        0.35975                        502321.98
3635925.90        0.36628
         502371.98    3635925.90        0.37290                        502421.98
3635925.90        0.37858
         502471.98    3635925.90        0.38449                        502521.98
3635925.90        0.38999
         502571.98    3635925.90        0.39598                        502621.98
3635925.90        0.40186
         502671.98    3635925.90        0.40775                        502721.98
3635925.90        0.41348
         502771.98    3635925.90        0.41915                        502821.98
3635925.90        0.42554
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 487
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
```

INCLUDING SOURCE(S): L0000595 , L0000596
, L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604
, L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612
, L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620
, L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502871.98	3635925.90	0.43214	502921.98	3635925.90	0.44104
502971.98	3635925.90	0.44730	503021.98	3635925.90	0.45417
503071.98	3635925.90	0.46036	503121.98	3635925.90	0.46661
503171.98	3635925.90	0.47273	503221.98	3635925.90	0.47892
503271.98	3635925.90	0.48490	503321.98	3635925.90	0.49006
503371.98	3635925.90	0.49447	503421.98	3635925.90	0.49862
503471.98	3635925.90	0.50700	503521.98	3635925.90	0.51100
503571.98	3635925.90	0.51407	503621.98	3635925.90	0.50388
503671.98	3635925.90	0.49703	503721.98	3635925.90	0.49514
503771.98	3635925.90	0.49479	503821.98	3635925.90	0.49360
503871.98	3635925.90	0.49149	503921.98	3635925.90	0.49126
503971.98	3635925.90	0.49186	504021.98	3635925.90	0.48806
504071.98	3635925.90	0.48897	504121.98	3635925.90	0.49012
504171.98	3635925.90	0.49053	504221.98	3635925.90	0.49414
504271.98	3635925.90	0.48632	504321.98	3635925.90	0.47736
504371.98	3635925.90	0.47333	504421.98		

```
3635925.90        0.46864
         504471.98    3635925.90        0.45962                    504521.98
3635925.90        0.44659
         504571.98    3635925.90        0.43696                    504621.98
3635925.90        0.43152
         504671.98    3635925.90        0.42618                    504721.98
3635925.90        0.42057
         504771.98    3635925.90        0.41484                    504821.98
3635925.90        0.40902
         504871.98    3635925.90        0.40327                    504921.98
3635925.90        0.39747
         504971.98    3635925.90        0.39181                    505021.98
3635925.90        0.38599
         505071.98    3635925.90        0.38012                    505121.98
3635925.90        0.37417
         505171.98    3635925.90        0.36829                    505221.98
3635925.90        0.36345
         502221.98    3635975.90        0.34167                    502271.98
3635975.90        0.34972
         502321.98    3635975.90        0.35609                    502371.98
3635975.90        0.36267
         502421.98    3635975.90        0.36802                    502471.98
3635975.90        0.37363
         502521.98    3635975.90        0.37910                    502571.98
3635975.90        0.38476
         502621.98    3635975.90        0.39033                    502671.98
3635975.90        0.39596
         502721.98    3635975.90        0.40154                    502771.98
3635975.90        0.40712
         502821.98    3635975.90        0.41377                    502871.98
3635975.90        0.41940
         502921.98    3635975.90        0.42754                    502971.98
3635975.90        0.43344
         503021.98    3635975.90        0.43996                    503071.98
3635975.90        0.44584
         503121.98    3635975.90        0.45169                    503171.98
3635975.90        0.45753
         503221.98    3635975.90        0.46333                    503271.98
3635975.90        0.46867
         503321.98    3635975.90        0.47359                    503371.98
3635975.90        0.47639
         503421.98    3635975.90        0.48504                    503471.98
3635975.90        0.48991
         503521.98    3635975.90        0.49364                    503571.98
3635975.90        0.49029
         503621.98    3635975.90        0.48485                    503671.98
3635975.90        0.48246
         503721.98    3635975.90        0.48088                    503771.98
3635975.90        0.48004
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

504921.98 3635975.90 0.38605 504971.98
3635975.90 0.38074
505021.98 3635975.90 0.37528 505071.98
3635975.90 0.36979
505121.98 3635975.90 0.36424 505171.98
3635975.90 0.35872
505221.98 3635975.90 0.35316 501721.98
3632475.90 0.48029
501821.98 3632475.90 0.51382 501921.98
3632475.90 0.55059
502021.98 3632475.90 0.59179 502121.98
3632475.90 0.63826
502221.98 3632475.90 0.68932 502321.98
3632475.90 0.74550
502421.98 3632475.90 0.80963 502521.98
3632475.90 0.88157
502621.98 3632475.90 0.96584 502721.98
3632475.90 1.06088
502821.98 3632475.90 1.16635 502921.98
3632475.90 1.28554
503021.98 3632475.90 1.42214 503121.98
3632475.90 1.55612
503221.98 3632475.90 1.70633 503321.98
3632475.90 1.84296
503421.98 3632475.90 1.96007 503721.98
3632475.90 1.95068
503821.98 3632475.90 1.57805 503921.98
3632475.90 1.26062
504021.98 3632475.90 1.06425 504121.98
3632475.90 1.00708
504221.98 3632475.90 0.90631 504321.98
3632475.90 0.85069
504421.98 3632475.90 0.86829 504521.98
3632475.90 0.89892
504621.98 3632475.90 0.74264 504721.98
3632475.90 0.68009
504821.98 3632475.90 0.64713 504921.98
3632475.90 0.60431
505021.98 3632475.90 0.55730 505121.98
3632475.90 0.52892
505221.98 3632475.90 0.48687 505321.98
3632475.90 0.45566
505421.98 3632475.90 0.43199 505521.98
3632475.90 0.41258
505621.98 3632475.90 0.39994 505721.98
3632475.90 0.39151
501721.98 3632575.90 0.49636 501821.98
3632575.90 0.53232
501921.98 3632575.90 0.57229 502021.98
3632575.90 0.61735

```
         502121.98    3632575.90        0.66783                      502221.98
3632575.90        0.72310
         502321.98    3632575.90        0.78727                      502421.98
3632575.90        0.86026
         502521.98    3632575.90        0.94385                      502621.98
3632575.90        1.03998
         502721.98    3632575.90        1.15479                      502821.98
3632575.90        1.28308
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 489
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                 INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502921.98    3632575.90        1.43468                      503021.98
3632575.90        1.61403
         503121.98    3632575.90        1.81305                      503221.98
3632575.90        2.03136
         503321.98    3632575.90        2.27091                      503421.98
3632575.90        2.49638
         503721.98    3632575.90        2.36046                      503821.98
3632575.90        1.78525
         503921.98    3632575.90        1.17446                      504021.98
3632575.90        1.09723
         504121.98    3632575.90        1.04830                      504221.98
3632575.90        0.98565
         504321.98    3632575.90        0.91548                      504421.98
```

3632575.90 0.87406
504521.98 3632575.90 0.88696 504621.98
3632575.90 0.81179
504721.98 3632575.90 0.71637 504821.98
3632575.90 0.67717
504921.98 3632575.90 0.62422 505021.98
3632575.90 0.57332
505121.98 3632575.90 0.54001 505221.98
3632575.90 0.50389
505321.98 3632575.90 0.47264 505421.98
3632575.90 0.45073
505521.98 3632575.90 0.42983 505621.98
3632575.90 0.41435
505721.98 3632575.90 0.39715 501721.98
3632675.90 0.51180
501821.98 3632675.90 0.55003 501921.98
3632675.90 0.59326
502021.98 3632675.90 0.64282 502121.98
3632675.90 0.69722
502221.98 3632675.90 0.75795 502321.98
3632675.90 0.82964
502421.98 3632675.90 0.91114 502521.98
3632675.90 1.00611
502621.98 3632675.90 1.11900 502721.98
3632675.90 1.25187
502821.98 3632675.90 1.41959 502921.98
3632675.90 1.61569
503021.98 3632675.90 1.83881 503721.98
3632675.90 3.12594
503821.98 3632675.90 2.47321 503921.98
3632675.90 1.78720
504021.98 3632675.90 1.42093 504121.98
3632675.90 1.25302
504221.98 3632675.90 1.13203 504321.98
3632675.90 1.03377
504421.98 3632675.90 0.95740 504521.98
3632675.90 0.89649
504621.98 3632675.90 0.82576 504721.98
3632675.90 0.75882
504821.98 3632675.90 0.70472 504921.98
3632675.90 0.64609
505021.98 3632675.90 0.59514 505121.98
3632675.90 0.55480
505221.98 3632675.90 0.51869 505321.98
3632675.90 0.48581
505421.98 3632675.90 0.46464 505521.98
3632675.90 0.44738
505621.98 3632675.90 0.42509 505721.98
3632675.90 0.39371
502421.98 3632775.90 0.97428 502521.98

```
3632775.90        1.08775
         502621.98    3632775.90        1.21474                      502721.98
3632775.90        1.35369
         502821.98    3632775.90        1.56497                      502921.98
3632775.90        1.76074
         503021.98    3632775.90        1.97938                      503121.98
3632775.90        2.46884
         503221.98    3632775.90        3.02336                      503621.98
3632775.90        6.30645
         503721.98    3632775.90        4.95988                      503821.98
3632775.90        2.96328
         503921.98    3632775.90        2.36822                      504021.98
3632775.90        1.92409
         504121.98    3632775.90        1.52639                      504221.98
3632775.90        1.29036
         504321.98    3632775.90        1.13931                      504421.98
3632775.90        1.03247
```



```
                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                 INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
         504521.98    3632775.90        0.94483                      504621.98
3632775.90        0.86407
         504721.98    3632775.90        0.79422                      504821.98
3632775.90        0.72748
```

504921.98 3632775.90 0.66915 505021.98
3632775.90 0.61636
505121.98 3632775.90 0.57211 505221.98
3632775.90 0.53241
505321.98 3632775.90 0.50095 505421.98
3632775.90 0.47789
505521.98 3632775.90 0.45801 505621.98
3632775.90 0.43581
505721.98 3632775.90 0.40506 501721.98
3632875.90 0.54206
501821.98 3632875.90 0.58516 501921.98
3632875.90 0.63390
502021.98 3632875.90 0.68875 502121.98
3632875.90 0.75254
502221.98 3632875.90 0.82344 502321.98
3632875.90 0.90872
502421.98 3632875.90 1.01133 502521.98
3632875.90 1.13103
502621.98 3632875.90 1.27320 502721.98
3632875.90 1.45566
502821.98 3632875.90 1.70425 502921.98
3632875.90 1.90134
503021.98 3632875.90 1.18052 503121.98
3632875.90 2.24521
503221.98 3632875.90 3.65470 503321.98
3632875.90 4.89971
503421.98 3632875.90 7.55491 503621.98
3632875.90 15.30032
503721.98 3632875.90 7.67933 503821.98
3632875.90 3.58445
503921.98 3632875.90 2.39564 504021.98
3632875.90 1.96391
504121.98 3632875.90 1.65365 504221.98
3632875.90 1.40478
504321.98 3632875.90 1.23588 504421.98
3632875.90 1.10329
504521.98 3632875.90 0.99712 504621.98
3632875.90 0.90603
504721.98 3632875.90 0.82782 504821.98
3632875.90 0.75368
504921.98 3632875.90 0.69077 505021.98
3632875.90 0.63684
505121.98 3632875.90 0.58873 505221.98
3632875.90 0.54936
505321.98 3632875.90 0.51749 505421.98
3632875.90 0.49535
505521.98 3632875.90 0.46545 505621.98
3632875.90 0.44448
505721.98 3632875.90 0.41001 501721.98
3632975.90 0.55427

```
         501821.98    3632975.90        0.59988                      501921.98
3632975.90        0.65159
         502021.98    3632975.90        0.71098                      502121.98
3632975.90        0.77833
         505321.98    3632975.90        0.54108                      505421.98
3632975.90        0.50894
         505521.98    3632975.90        0.48434                      505621.98
3632975.90        0.45333
         505721.98    3632975.90        0.41539                      501721.98
3633075.90        0.56448
         501821.98    3633075.90        0.61129                      501921.98
3633075.90        0.66614
         502021.98    3633075.90        0.72827                      502121.98
3633075.90        0.80120
         505321.98    3633075.90        0.55424                      505421.98
3633075.90        0.52879
         505521.98    3633075.90        0.50079                      505621.98
3633075.90        0.46415
         505721.98    3633075.90        0.41806                      501721.98
3633175.90        0.57348
         501821.98    3633175.90        0.62205                      501921.98
3633175.90        0.67771
         502021.98    3633175.90        0.74314                      502121.98
3633175.90        0.81534
         505321.98    3633175.90        0.56925                      505421.98
3633175.90        0.53295
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 491
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                 INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633175.90	0.50655	505621.98	3633175.90	0.47854
505721.98	3633175.90	0.42846	501721.98	3633275.90	0.58088
501821.98	3633275.90	0.63193	501921.98	3633275.90	0.68916
502021.98	3633275.90	0.75614	502121.98	3633275.90	0.83081
505321.98	3633275.90	0.58507	505421.98	3633275.90	0.53223
505521.98	3633275.90	0.51023	505621.98	3633275.90	0.49148
505721.98	3633275.90	0.44392	501721.98	3633375.90	0.58606
501821.98	3633375.90	0.63744	501921.98	3633375.90	0.69574
502021.98	3633375.90	0.76341	502121.98	3633375.90	0.84243
505321.98	3633375.90	0.60589	505421.98	3633375.90	0.53553
505521.98	3633375.90	0.50251	505621.98	3633375.90	0.49508
505721.98	3633375.90	0.46213	501721.98	3633475.90	0.58978
501821.98	3633475.90	0.64178	501921.98	3633475.90	0.70209
502021.98	3633475.90	0.77073	502121.98	3633475.90	0.84778
505321.98	3633475.90	0.61243	505421.98	3633475.90	0.53825
505521.98	3633475.90	0.51025	505621.98	3633475.90	0.48983
505721.98	3633475.90	0.47255	501721.98	3633575.90	0.59114
501821.98	3633575.90	0.64361	501921.98	3633575.90	0.70301
502021.98	3633575.90	0.77089	502121.98	3633575.90	0.86345
505321.98	3633575.90	0.60827	505421.98	3633575.90	0.53152
505521.98	3633575.90	0.50725	505621.98	3633575.90	0.49559
505721.98	3633575.90	0.47616	501721.98	3633675.90	0.59065
501821.98	3633675.90	0.64148	501921.98		

```
3633675.90        0.70128
         502021.98    3633675.90        0.77042                          502121.98
3633675.90        0.86000
         505321.98    3633675.90        0.58885                          505421.98
3633675.90        0.51051
         505521.98    3633675.90        0.48814                          505621.98
3633675.90        0.47719
         505721.98    3633675.90        0.47564                          501721.98
3633775.90        0.58794
         501821.98    3633775.90        0.63817                          501921.98
3633775.90        0.69606
         502021.98    3633775.90        0.76287                          502121.98
3633775.90        0.83952
         505321.98    3633775.90        0.57785                          505421.98
3633775.90        0.51593
         505521.98    3633775.90        0.47528                          505621.98
3633775.90        0.46753
         505721.98    3633775.90        0.47566                          501721.98
3633875.90        0.58197
         501821.98    3633875.90        0.63278                          501921.98
3633875.90        0.68509
         502021.98    3633875.90        0.75294                          502121.98
3633875.90        0.82665
         505321.98    3633875.90        0.56570                          505421.98
3633875.90        0.52842
         505521.98    3633875.90        0.49186                          505621.98
3633875.90        0.46684
         505721.98    3633875.90        0.48104                          501721.98
3633975.90        0.57405
         501821.98    3633975.90        0.62208                          501921.98
3633975.90        0.67662
         502021.98    3633975.90        0.73813                          502121.98
3633975.90        0.81115
         505321.98    3633975.90        0.56920                          505421.98
3633975.90        0.54110
```



```
                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                    INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
```

```
, L0000613    , L0000614    , L0000615    ,
                L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         505521.98    3633975.90        0.51137                      505621.98
3633975.90        0.48881
         505721.98    3633975.90        0.48645                      501721.98
3634075.90        0.56394
         501821.98    3634075.90        0.61034                      501921.98
3634075.90        0.66257
         502021.98    3634075.90        0.72157                      502121.98
3634075.90        0.78880
         505321.98    3634075.90        0.57548                      505421.98
3634075.90        0.55257
         505521.98    3634075.90        0.55255                      505621.98
3634075.90        0.53140
         505721.98    3634075.90        0.48423                      501721.98
3634175.90        0.55018
         501821.98    3634175.90        0.59609                      501921.98
3634175.90        0.64625
         502021.98    3634175.90        0.69793                      502121.98
3634175.90        0.76325
         505321.98    3634175.90        0.64195                      505421.98
3634175.90        0.61677
         505521.98    3634175.90        0.58910                      505621.98
3634175.90        0.51728
         505721.98    3634175.90        0.45699                      501721.98
3634275.90        0.53669
         501821.98    3634275.90        0.57788                      501921.98
3634275.90        0.62401
         502021.98    3634275.90        0.67524                      502121.98
3634275.90        0.73413
         505321.98    3634275.90        0.69705                      505421.98
3634275.90        0.65582
         505521.98    3634275.90        0.54615                      505621.98
3634275.90        0.49217
         505721.98    3634275.90        0.43645                      501721.98
3634375.90        0.52497
         501821.98    3634375.90        0.56548                      501921.98
3634375.90        0.60703
```

```
         502021.98    3634375.90        0.65510                      502121.98
3634375.90        0.71227
         505321.98    3634375.90        0.69385                      505421.98
3634375.90        0.63704
         505521.98    3634375.90        0.50398                      505621.98
3634375.90        0.43938
         505721.98    3634375.90        0.40542                      501721.98
3634475.90        0.51173
         501821.98    3634475.90        0.55002                      501921.98
3634475.90        0.59173
         502021.98    3634475.90        0.63950                      502121.98
3634475.90        0.68941
         505321.98    3634475.90        0.64744                      505421.98
3634475.90        0.65248
         505521.98    3634475.90        0.55969                      505621.98
3634475.90        0.46467
         505721.98    3634475.90        0.38842                      501721.98
3634575.90        0.49678
         501821.98    3634575.90        0.53147                      501921.98
3634575.90        0.57007
         502021.98    3634575.90        0.61394                      502121.98
3634575.90        0.66279
         505321.98    3634575.90        0.58677                      505421.98
3634575.90        0.62567
         505521.98    3634575.90        0.57422                      505621.98
3634575.90        0.46773
         505721.98    3634575.90        0.38308                      501721.98
3634675.90        0.48215
         501821.98    3634675.90        0.51565                      501921.98
3634675.90        0.55138
         502021.98    3634675.90        0.59190                      502121.98
3634675.90        0.63148
         505321.98    3634675.90        0.55827                      505421.98
3634675.90        0.59048
         505521.98    3634675.90        0.56955                      505621.98
3634675.90        0.51194
         505721.98    3634675.90        0.42585                      501721.98
3634775.90        0.46641
         501821.98    3634775.90        0.49810                      501921.98
3634775.90        0.53013
         502021.98    3634775.90        0.56829                      502121.98
3634775.90        0.60748
         505321.98    3634775.90        0.54419                      505421.98
3634775.90        0.58153
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3634775.90	0.54537	505621.98	3634775.90	0.50728
505721.98	3634775.90	0.46332	501721.98	3634875.90	0.45044
501821.98	3634875.90	0.48008	501921.98	3634875.90	0.51124
502021.98	3634875.90	0.54543	502121.98	3634875.90	0.58067
505321.98	3634875.90	0.56374	505421.98	3634875.90	0.55584
505521.98	3634875.90	0.52177	505621.98	3634875.90	0.49077
505721.98	3634875.90	0.46225	501721.98	3634975.90	0.43596
501821.98	3634975.90	0.46262	501921.98	3634975.90	0.49206
502021.98	3634975.90	0.52234	502121.98	3634975.90	0.55400
505321.98	3634975.90	0.55491	505421.98	3634975.90	0.53010
505521.98	3634975.90	0.49877	505621.98	3634975.90	0.47055
505721.98	3634975.90	0.44464	501721.98	3635075.90	0.42249
501821.98	3635075.90	0.44597	501921.98	3635075.90	0.47278
502021.98	3635075.90	0.49996	502121.98		

3635075.90 0.52783
505321.98 3635075.90 0.53767 505421.98
3635075.90 0.50546
505521.98 3635075.90 0.47648 505621.98
3635075.90 0.45132
505721.98 3635075.90 0.42639 501721.98
3635175.90 0.40704
501821.98 3635175.90 0.42864 501921.98
3635175.90 0.45581
502021.98 3635175.90 0.47736 502121.98
3635175.90 0.50288
505321.98 3635175.90 0.51153 505421.98
3635175.90 0.48293
505521.98 3635175.90 0.45695 505621.98
3635175.90 0.43256
505721.98 3635175.90 0.41030 501721.98
3635275.90 0.39825
501821.98 3635275.90 0.41594 501921.98
3635275.90 0.43637
502021.98 3635275.90 0.45798 502121.98
3635275.90 0.47871
505621.98 3635275.90 0.41541 505721.98
3635275.90 0.39500
501721.98 3635375.90 0.37859 501821.98
3635375.90 0.39745
501921.98 3635375.90 0.41578 502021.98
3635375.90 0.43507
502121.98 3635375.90 0.45555 505621.98
3635375.90 0.39826
501721.98 3635475.90 0.35720 501821.98
3635475.90 0.37568
501921.98 3635475.90 0.39564 502021.98
3635475.90 0.41408
502121.98 3635475.90 0.43239 505621.98
3635475.90 0.38151
505721.98 3635475.90 0.36330 501721.98
3635575.90 0.33916
501821.98 3635575.90 0.35684 501921.98
3635575.90 0.37606
502021.98 3635575.90 0.39239 502121.98
3635575.90 0.40843
505321.98 3635575.90 0.41819 505421.98
3635575.90 0.39817
505521.98 3635575.90 0.38114 505621.98
3635575.90 0.36452
505721.98 3635575.90 0.34914 501721.98
3635675.90 0.32066
501821.98 3635675.90 0.33879 501921.98
3635675.90 0.35589
502021.98 3635675.90 0.37086 502121.98

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596
, L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604
, L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612
, L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620
, L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3635675.90	0.36453	505621.98	3635675.90	0.35005
505721.98	3635675.90	0.33557	501721.98	3635775.90	0.30257
501821.98	3635775.90	0.32104	501921.98	3635775.90	0.33739
502021.98	3635775.90	0.35161	502121.98	3635775.90	0.36580
505321.98	3635775.90	0.37817	505421.98	3635775.90	0.36468
505521.98	3635775.90	0.35044	505621.98	3635775.90	0.33688
505721.98	3635775.90	0.32405	501721.98	3635875.90	0.28449
501821.98	3635875.90	0.30354	501921.98	3635875.90	0.32009
502021.98	3635875.90	0.33268	502121.98	3635875.90	0.34623

505321.98 3635875.90 0.36533 505421.98 3635875.90 0.34731
505521.98 3635875.90 0.33545 505621.98 3635875.90 0.32311
505721.98 3635875.90 0.31146 501721.98 3635975.90 0.27185
501821.98 3635975.90 0.28981 501921.98 3635975.90 0.30441
502021.98 3635975.90 0.31577 502121.98 3635975.90 0.32843
505321.98 3635975.90 0.34273 505421.98 3635975.90 0.33129
505521.98 3635975.90 0.32043 505621.98 3635975.90 0.31093
505721.98 3635975.90 0.29913 501721.98 3636075.90 0.26291
501821.98 3636075.90 0.27576 501921.98 3636075.90 0.28950
502021.98 3636075.90 0.30061 502121.98 3636075.90 0.31276
502221.98 3636075.90 0.32543 502321.98 3636075.90 0.33791
502421.98 3636075.90 0.34870 502521.98 3636075.90 0.35911
502621.98 3636075.90 0.36980 502721.98 3636075.90 0.38010
502821.98 3636075.90 0.39066 502921.98 3636075.90 0.40238
503021.98 3636075.90 0.41343 503121.98 3636075.90 0.42396
503221.98 3636075.90 0.43451 503321.98 3636075.90 0.44240
503421.98 3636075.90 0.44986 503521.98 3636075.90 0.45320
503621.98 3636075.90 0.45477 503721.98 3636075.90 0.45615
503821.98 3636075.90 0.45484 503921.98 3636075.90 0.46031
504021.98 3636075.90 0.46026 504121.98 3636075.90 0.46656
504221.98 3636075.90 0.47034 504321.98 3636075.90 0.46810
504421.98 3636075.90 0.47248 504521.98 3636075.90 0.47143
504621.98 3636075.90 0.45729 504721.98 3636075.90 0.41948
504821.98 3636075.90 0.38845 504921.98 3636075.90 0.36584
505021.98 3636075.90 0.35523 505121.98 3636075.90 0.34538

```
         505221.98    3636075.90        0.33556                      505321.98
3636075.90        0.32584
         505421.98    3636075.90        0.31600                      505521.98
3636075.90        0.30673
         505621.98    3636075.90        0.29799                      505721.98
3636075.90        0.28814
         501721.98    3636175.90        0.25074                      501821.98
3636175.90        0.26360
         501921.98    3636175.90        0.27607                      502021.98
3636175.90        0.28683
         502121.98    3636175.90        0.29877                      502221.98
3636175.90        0.31080
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 495
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                 INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502321.98    3636175.90        0.32183                      502421.98
3636175.90        0.33139
         502521.98    3636175.90        0.34096                      502621.98
3636175.90        0.35056
         502721.98    3636175.90        0.36048                      502821.98
3636175.90        0.37006
         502921.98    3636175.90        0.37990                      503021.98
3636175.90        0.38976
         503121.98    3636175.90        0.40009                      503221.98
```

3636175.90 0.40896
503321.98 3636175.90 0.41649 503421.98
3636175.90 0.42318
503521.98 3636175.90 0.42827 503621.98
3636175.90 0.42951
503721.98 3636175.90 0.43130 503821.98
3636175.90 0.43389
503921.98 3636175.90 0.43844 504021.98
3636175.90 0.44308
504121.98 3636175.90 0.44750 504221.98
3636175.90 0.44916
504321.98 3636175.90 0.45901 504421.98
3636175.90 0.45639
504521.98 3636175.90 0.41970 504621.98
3636175.90 0.44572
504721.98 3636175.90 0.42084 504821.98
3636175.90 0.40380
504921.98 3636175.90 0.37637 505021.98
3636175.90 0.34804
505121.98 3636175.90 0.32794 505221.98
3636175.90 0.31921
505321.98 3636175.90 0.31128 505421.98
3636175.90 0.30338
505521.98 3636175.90 0.29318 505621.98
3636175.90 0.28589
505721.98 3636175.90 0.27740 501721.98
3636275.90 0.24160
501821.98 3636275.90 0.25331 501921.98
3636275.90 0.26496
502021.98 3636275.90 0.27554 502121.98
3636275.90 0.28749
502221.98 3636275.90 0.29792 502321.98
3636275.90 0.30704
502421.98 3636275.90 0.31568 502521.98
3636275.90 0.32421
502621.98 3636275.90 0.33344 502721.98
3636275.90 0.34207
502821.98 3636275.90 0.35073 502921.98
3636275.90 0.35948
503021.98 3636275.90 0.36811 503121.98
3636275.90 0.37709
503221.98 3636275.90 0.38748 503321.98
3636275.90 0.39493
503421.98 3636275.90 0.40090 503521.98
3636275.90 0.40513
503621.98 3636275.90 0.40720 503721.98
3636275.90 0.40834
503821.98 3636275.90 0.41046 503921.98
3636275.90 0.41459
504021.98 3636275.90 0.41984 504121.98

3636275.90   0.42629
         504221.98   3636275.90   0.41457   504321.98
3636275.90   0.33957
         504421.98   3636275.90   0.32319   504521.98
3636275.90   0.30948
         504621.98   3636275.90   0.35886   504721.98
3636275.90   0.40962
         504821.98   3636275.90   0.38624   504921.98
3636275.90   0.38502
         505021.98   3636275.90   0.33413   505121.98
3636275.90   0.31377
         505221.98   3636275.90   0.30483   505321.98
3636275.90   0.29823
         505421.98   3636275.90   0.29108   505521.98
3636275.90   0.28192
         505621.98   3636275.90   0.27438   505721.98
3636275.90   0.26835
         501721.98   3636375.90   0.23220   501821.98
3636375.90   0.24393
         501921.98   3636375.90   0.25562   502021.98
3636375.90   0.26508

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

502121.98	3636375.90	0.27591	502221.98	3636375.90	0.28509
502321.98	3636375.90	0.29352	502421.98	3636375.90	0.30136
502521.98	3636375.90	0.30915	502621.98	3636375.90	0.31676
502721.98	3636375.90	0.32488	502821.98	3636375.90	0.33263
502921.98	3636375.90	0.34022	503021.98	3636375.90	0.34919
503121.98	3636375.90	0.35843	503221.98	3636375.90	0.36436
503321.98	3636375.90	0.37339	503421.98	3636375.90	0.38020
503521.98	3636375.90	0.38330	503621.98	3636375.90	0.38488
503721.98	3636375.90	0.38577	503821.98	3636375.90	0.38760
503921.98	3636375.90	0.39462	504021.98	3636375.90	0.39809
504121.98	3636375.90	0.38914	504221.98	3636375.90	0.34818
504321.98	3636375.90	0.29862	504421.98	3636375.90	0.27943
504521.98	3636375.90	0.27863	504621.98	3636375.90	0.30585
504721.98	3636375.90	0.34395	504821.98	3636375.90	0.31863
504921.98	3636375.90	0.32628	505021.98	3636375.90	0.35956
505121.98	3636375.90	0.30723	505221.98	3636375.90	0.29670
505321.98	3636375.90	0.28796	505421.98	3636375.90	0.27848
505521.98	3636375.90	0.27125	505621.98	3636375.90	0.26433
505721.98	3636375.90	0.25898	501721.98	3636475.90	0.21952
501821.98	3636475.90	0.23240	501921.98	3636475.90	0.24630
502021.98	3636475.90	0.25491	502121.98	3636475.90	0.26330
502221.98	3636475.90	0.27281	502321.98	3636475.90	0.28072
502421.98	3636475.90	0.28777	502521.98	3636475.90	0.29483
502621.98	3636475.90	0.30181	502721.98	3636475.90	0.30889
502821.98	3636475.90	0.31618	502921.98	3636475.90	0.32442

```
         503021.98    3636475.90        0.33181                        503121.98
3636475.90        0.33534
         503221.98    3636475.90        0.33597                        503321.98
3636475.90        0.34817
         503421.98    3636475.90        0.35863                        503521.98
3636475.90        0.36326
         503621.98    3636475.90        0.36476                        503721.98
3636475.90        0.36575
         503821.98    3636475.90        0.36874                        503921.98
3636475.90        0.37008
         504021.98    3636475.90        0.32238                        504121.98
3636475.90        0.32949
         504221.98    3636475.90        0.32518                        504321.98
3636475.90        0.27313
         504421.98    3636475.90        0.25680                        504521.98
3636475.90        0.25439
         504621.98    3636475.90        0.25931                        504721.98
3636475.90        0.26720
         504821.98    3636475.90        0.27220                        504921.98
3636475.90        0.30393
         505021.98    3636475.90        0.35251                        505121.98
3636475.90        0.29727
         505221.98    3636475.90        0.28649                        505321.98
3636475.90        0.27758
         505421.98    3636475.90        0.26773                        505521.98
3636475.90        0.26049
         505621.98    3636475.90        0.25446                        505721.98
3636475.90        0.24835
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 497
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                 L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                 L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                 L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633475.90	2.22772	502771.98	3633475.90	2.21531
502821.98	3633475.90	2.19731	502871.98	3633475.90	2.18057
502921.98	3633475.90	2.16802	502971.98	3633475.90	2.14025
503021.98	3633475.90	2.10749	503071.98	3633475.90	2.07886
503121.98	3633475.90	2.03775	503171.98	3633475.90	1.98989
503221.98	3633475.90	1.96996	503271.98	3633475.90	1.93082
503321.98	3633475.90	1.90674	503371.98	3633475.90	1.90636
503421.98	3633475.90	1.85035	503471.98	3633475.90	1.79364
503521.98	3633475.90	1.73106	503621.98	3633475.90	1.62623
503671.98	3633475.90	1.55819	503721.98	3633475.90	1.35767
503771.98	3633475.90	1.27952	503821.98	3633475.90	1.11906
503871.98	3633475.90	1.04036	503921.98	3633475.90	1.06280
503971.98	3633475.90	1.00188	504021.98	3633475.90	0.88558
504071.98	3633475.90	0.84904	504121.98	3633475.90	0.84568
504171.98	3633475.90	0.76444	504221.98	3633475.90	0.75101
504271.98	3633475.90	0.75038	504321.98	3633475.90	0.72006
504371.98	3633475.90	0.61308	504421.98	3633475.90	0.53401
504471.98	3633475.90	0.48193	504521.98	3633475.90	0.45236
504571.98	3633475.90	0.44969	504621.98	3633475.90	0.45532
504671.98	3633475.90	0.45098	504721.98	3633475.90	0.45703
502721.98	3633525.90	2.04675	502771.98	3633525.90	2.03397
502821.98	3633525.90	2.01951	502871.98		

```
3633525.90        2.00708
         502921.98    3633525.90        1.99094                          502971.98
3633525.90        1.96611
         503021.98    3633525.90        1.93987                          503071.98
3633525.90        1.90941
         503121.98    3633525.90        1.87030                          503171.98
3633525.90        1.83682
         503221.98    3633525.90        1.80577                          503271.98
3633525.90        1.78624
         503321.98    3633525.90        1.74740                          503371.98
3633525.90        1.73357
         503421.98    3633525.90        1.69312                          503471.98
3633525.90        1.64593
         503521.98    3633525.90        1.59736                          503621.98
3633525.90        1.48461
         503671.98    3633525.90        1.44592                          503721.98
3633525.90        1.40224
         503771.98    3633525.90        1.35718                          503821.98
3633525.90        1.19263
         503871.98    3633525.90        1.15409                          503921.98
3633525.90        1.14574
         503971.98    3633525.90        1.05333                          504021.98
3633525.90        0.93112
         504071.98    3633525.90        0.89896                          504121.98
3633525.90        0.89668
         504171.98    3633525.90        0.85464                          504221.98
3633525.90        0.82168
         504271.98    3633525.90        0.76721                          504321.98
3633525.90        0.62677
         504371.98    3633525.90        0.55669                          504421.98
3633525.90        0.50050
         504471.98    3633525.90        0.46369                          504521.98
3633525.90        0.46136
         504571.98    3633525.90        0.47238                          504621.98
3633525.90        0.47782
         504671.98    3633525.90        0.46594                          504721.98
3633525.90        0.44960
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 498
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                 L0000765    , L0000766    , L0000767    , L0000768    , L0000769
```

```
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         502721.98    3633575.90        1.88758                       502771.98
3633575.90        1.87603
         502821.98    3633575.90        1.86589                       502871.98
3633575.90        1.85451
         502921.98    3633575.90        1.83568                       502971.98
3633575.90        1.81584
         503021.98    3633575.90        1.79666                       503071.98
3633575.90        1.76903
         503121.98    3633575.90        1.73384                       503171.98
3633575.90        1.70360
         503221.98    3633575.90        1.67595                       503271.98
3633575.90        1.64706
         503321.98    3633575.90        1.62214                       503371.98
3633575.90        1.59400
         503421.98    3633575.90        1.55549                       503471.98
3633575.90        1.51765
         503521.98    3633575.90        1.46974                       503621.98
3633575.90        1.39026
         503671.98    3633575.90        1.34062                       503721.98
3633575.90        1.29081
         503771.98    3633575.90        1.26765                       503821.98
3633575.90        1.23243
         503871.98    3633575.90        1.17289                       503921.98
3633575.90        1.12010
         503971.98    3633575.90        1.06484                       504021.98
3633575.90        1.00672
         504071.98    3633575.90        0.94411                       504121.98
3633575.90        0.91272
         504171.98    3633575.90        0.87265                       504221.98
3633575.90        0.83706
         504271.98    3633575.90        0.73954                       504321.98
3633575.90        0.60227
         504371.98    3633575.90        0.53782                       504421.98
3633575.90        0.47927
```

```
         504471.98    3633575.90        0.46026                        504521.98
3633575.90        0.47912
         504571.98    3633575.90        0.50142                        504621.98
3633575.90        0.47785
         504671.98    3633575.90        0.45657                        504721.98
3633575.90        0.43992
         502721.98    3633625.90        1.75180                        502771.98
3633625.90        1.74151
         502821.98    3633625.90        1.72878                        502871.98
3633625.90        1.71538
         502921.98    3633625.90        1.69952                        502971.98
3633625.90        1.68411
         503021.98    3633625.90        1.66727                        503071.98
3633625.90        1.64041
         503121.98    3633625.90        1.61223                        503171.98
3633625.90        1.58626
         503221.98    3633625.90        1.55852                        503271.98
3633625.90        1.53446
         503321.98    3633625.90        1.50936                        503371.98
3633625.90        1.47956
         503421.98    3633625.90        1.44962                        503471.98
3633625.90        1.41354
         503521.98    3633625.90        1.37389                        503621.98
3633625.90        1.30216
         503671.98    3633625.90        1.26223                        503721.98
3633625.90        1.21714
         503771.98    3633625.90        1.19071                        503821.98
3633625.90        1.15683
         503871.98    3633625.90        1.10484                        503921.98
3633625.90        1.06766
         503971.98    3633625.90        1.02303                        504021.98
3633625.90        0.98013
         504071.98    3633625.90        0.93249                        504121.98
3633625.90        0.89456
         504171.98    3633625.90        0.85653                        504221.98
3633625.90        0.81707
         504271.98    3633625.90        0.75106                        504321.98
3633625.90        0.65512
         504371.98    3633625.90        0.55385                        504421.98
3633625.90        0.49383
         504471.98    3633625.90        0.47146                        504521.98
3633625.90        0.51096
         504571.98    3633625.90        0.50532                        504621.98
3633625.90        0.47901
         504671.98    3633625.90        0.47335                        504721.98
3633625.90        0.44402
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***

INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
  L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
  L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
  L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3633675.90	1.63056	502771.98	3633675.90	1.62073
502821.98	3633675.90	1.60859	502871.98	3633675.90	1.59558
502921.98	3633675.90	1.58426	502971.98	3633675.90	1.56894
503021.98	3633675.90	1.55160	503071.98	3633675.90	1.52828
503121.98	3633675.90	1.50505	503171.98	3633675.90	1.48089
503221.98	3633675.90	1.45618	503271.98	3633675.90	1.43183
503321.98	3633675.90	1.40710	503371.98	3633675.90	1.37646
503421.98	3633675.90	1.34623	503471.98	3633675.90	1.31762
503521.98	3633675.90	1.28362	503571.98	3633675.90	1.26212
503671.98	3633675.90	1.19049	503721.98	3633675.90	1.15091
503771.98	3633675.90	1.11213	503821.98	3633675.90	1.07586
503871.98	3633675.90	1.04402	503921.98	3633675.90	1.00667
503971.98	3633675.90	0.97566	504021.98		

3633675.90 0.93976
504071.98 3633675.90 0.90077 504121.98
3633675.90 0.86276
504171.98 3633675.90 0.82703 504221.98
3633675.90 0.79475
504271.98 3633675.90 0.75680 504321.98
3633675.90 0.67983
504371.98 3633675.90 0.57677 504421.98
3633675.90 0.52104
504471.98 3633675.90 0.52829 504521.98
3633675.90 0.53562
504571.98 3633675.90 0.50943 504621.98
3633675.90 0.48940
504671.98 3633675.90 0.47012 504721.98
3633675.90 0.45398
502721.98 3633725.90 1.52226 502771.98
3633725.90 1.51426
502821.98 3633725.90 1.50246 502871.98
3633725.90 1.49182
502921.98 3633725.90 1.48357 502971.98
3633725.90 1.46803
503021.98 3633725.90 1.44647 503071.98
3633725.90 1.42939
503121.98 3633725.90 1.40867 503171.98
3633725.90 1.38662
503221.98 3633725.90 1.36436 503271.98
3633725.90 1.33931
503321.98 3633725.90 1.31361 503371.98
3633725.90 1.28562
503421.98 3633725.90 1.25653 503471.98
3633725.90 1.23619
503521.98 3633725.90 1.20652 503571.98
3633725.90 1.17761
503721.98 3633725.90 1.08616 503771.98
3633725.90 1.05481
503821.98 3633725.90 1.02036 503871.98
3633725.90 0.98623
503921.98 3633725.90 0.95438 503971.98
3633725.90 0.92865
504021.98 3633725.90 0.89914 504071.98
3633725.90 0.86342
504121.98 3633725.90 0.82338 504171.98
3633725.90 0.79338
504221.98 3633725.90 0.76657 504271.98
3633725.90 0.73861
504321.98 3633725.90 0.69648 504371.98
3633725.90 0.62004
504421.98 3633725.90 0.57391 504471.98
3633725.90 0.56616
504521.98 3633725.90 0.54516 504571.98

```
3633725.90        0.51621
         504621.98    3633725.90        0.51624                      504671.98
3633725.90        0.49151
         504721.98    3633725.90        0.46245                      502721.98
3633775.90        1.42387
🌲 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 500
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502771.98    3633775.90        1.41723                      502821.98
3633775.90        1.40802
         502871.98    3633775.90        1.39733                      502921.98
3633775.90        1.38854
         502971.98    3633775.90        1.37681                      503021.98
3633775.90        1.35969
         503071.98    3633775.90        1.34148                      503121.98
3633775.90        1.32216
         503171.98    3633775.90        1.30211                      503221.98
3633775.90        1.28066
         503271.98    3633775.90        1.25875                      503321.98
3633775.90        1.23480
         503371.98    3633775.90        1.20936                      503421.98
3633775.90        1.18321
         503471.98    3633775.90        1.15775                      503771.98
3633775.90        1.00139
```

503821.98 3633775.90 0.97108 503871.98 3633775.90 0.94032
503921.98 3633775.90 0.91091 503971.98 3633775.90 0.88702
504021.98 3633775.90 0.85596 504071.98 3633775.90 0.81885
504121.98 3633775.90 0.79009 504171.98 3633775.90 0.76237
504221.98 3633775.90 0.73605 504271.98 3633775.90 0.71309
504321.98 3633775.90 0.68918 504371.98 3633775.90 0.65021
504421.98 3633775.90 0.61649 504471.98 3633775.90 0.57523
504521.98 3633775.90 0.56988 504571.98 3633775.90 0.56022
504621.98 3633775.90 0.53503 504671.98 3633775.90 0.50705
504721.98 3633775.90 0.48043 502721.98 3633825.90 1.33619
502771.98 3633825.90 1.32988 502821.98 3633825.90 1.32246
502871.98 3633825.90 1.31290 502921.98 3633825.90 1.30560
502971.98 3633825.90 1.29365 503021.98 3633825.90 1.27835
503071.98 3633825.90 1.26220 503121.98 3633825.90 1.24487
503171.98 3633825.90 1.22711 503221.98 3633825.90 1.20791
503271.98 3633825.90 1.18772 503771.98 3633825.90 0.94943
503821.98 3633825.90 0.92216 503871.98 3633825.90 0.89717
503921.98 3633825.90 0.87155 503971.98 3633825.90 0.84417
504021.98 3633825.90 0.81406 504071.98 3633825.90 0.78752
504121.98 3633825.90 0.76135 504171.98 3633825.90 0.73573
504221.98 3633825.90 0.71147 504271.98 3633825.90 0.68697
504321.98 3633825.90 0.66542 504371.98 3633825.90 0.64644
504421.98 3633825.90 0.62264 504471.98 3633825.90 0.59782
504521.98 3633825.90 0.57605 504571.98 3633825.90 0.55738
504621.98 3633825.90 0.53369 504671.98 3633825.90 0.50936

```
         504721.98    3633825.90        0.49109                       502721.98
3633875.90        1.25551
         502771.98    3633875.90        1.25060                       502821.98
3633875.90        1.24374
         502871.98    3633875.90        1.23490                       502921.98
3633875.90        1.23022
         502971.98    3633875.90        1.21840                       503021.98
3633875.90        1.20540
         503071.98    3633875.90        1.19201                       503121.98
3633875.90        1.17489
         503171.98    3633875.90        1.15841                       503221.98
3633875.90        1.14101
         503271.98    3633875.90        1.12246                       503821.98
3633875.90        0.87974
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 501
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         503871.98    3633875.90        0.85797                       503921.98
3633875.90        0.83358
         503971.98    3633875.90        0.80498                       504021.98
3633875.90        0.78058
         504071.98    3633875.90        0.75756                       504121.98
3633875.90        0.73275
         504171.98    3633875.90        0.71027                       504221.98
```

3633875.90 0.68759
504271.98 3633875.90 0.66568 504321.98
3633875.90 0.64454
504371.98 3633875.90 0.62592 504421.98
3633875.90 0.60811
504471.98 3633875.90 0.58725 504521.98
3633875.90 0.56715
504571.98 3633875.90 0.54798 504621.98
3633875.90 0.52857
504671.98 3633875.90 0.50266 504721.98
3633875.90 0.48671
502721.98 3633925.90 1.18190 502771.98
3633925.90 1.17697
502821.98 3633925.90 1.17120 502871.98
3633925.90 1.16533
502921.98 3633925.90 1.15955 502971.98
3633925.90 1.14799
503021.98 3633925.90 1.13703 503071.98
3633925.90 1.12556
503121.98 3633925.90 1.11138 503171.98
3633925.90 1.09568
503221.98 3633925.90 1.07856 503271.98
3633925.90 1.06156
503821.98 3633925.90 0.83984 503871.98
3633925.90 0.81835
503921.98 3633925.90 0.79494 503971.98
3633925.90 0.76990
504021.98 3633925.90 0.74873 504071.98
3633925.90 0.72652
504121.98 3633925.90 0.70574 504171.98
3633925.90 0.68437
504221.98 3633925.90 0.66404 504271.98
3633925.90 0.64438
504321.98 3633925.90 0.62468 504371.98
3633925.90 0.60488
504421.98 3633925.90 0.58642 504471.98
3633925.90 0.56929
504521.98 3633925.90 0.55232 504571.98
3633925.90 0.53566
504621.98 3633925.90 0.51602 504671.98
3633925.90 0.49723
504721.98 3633925.90 0.47877 502721.98
3633975.90 1.11525
502771.98 3633975.90 1.11013 502821.98
3633975.90 1.10398
502871.98 3633975.90 1.10027 502921.98
3633975.90 1.09441
502971.98 3633975.90 1.08409 503021.98
3633975.90 1.07447
503071.98 3633975.90 1.06347 503121.98

3633975.90   1.05136
         503171.98   3633975.90   1.03753   503221.98
3633975.90   1.02254
         503271.98   3633975.90   1.00679   503821.98
3633975.90   0.80379
         503871.98   3633975.90   0.78272   503921.98
3633975.90   0.75889
         503971.98   3633975.90   0.73911   504021.98
3633975.90   0.71962
         504071.98   3633975.90   0.69915   504121.98
3633975.90   0.67890
         504171.98   3633975.90   0.65971   504221.98
3633975.90   0.64219
         504271.98   3633975.90   0.62419   504321.98
3633975.90   0.60560
         504371.98   3633975.90   0.58790   504421.98
3633975.90   0.57002
         504471.98   3633975.90   0.55517   504521.98
3633975.90   0.54153
         504571.98   3633975.90   0.52339   504621.98
3633975.90   0.50527
         504671.98   3633975.90   0.48540   504721.98
3633975.90   0.46117

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                 INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                 L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                 L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                 L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         504171.98    3634075.90        0.61668                        504221.98
3634075.90        0.60069
         504271.98    3634075.90        0.58484                        504321.98
3634075.90        0.57017
         504371.98    3634075.90        0.55518                        504421.98
3634075.90        0.54308
         504471.98    3634075.90        0.53280                        504521.98
3634075.90        0.51883
         504571.98    3634075.90        0.49593                        504621.98
3634075.90        0.45629
         504671.98    3634075.90        0.43368                        504721.98
3634075.90        0.42136
         502721.98    3634125.90        0.95005                        502771.98
3634125.90        0.94302
         502821.98    3634125.90        0.93887                        502871.98
3634125.90        0.93527
         502921.98    3634125.90        0.92868                        502971.98
3634125.90        0.92185
         503021.98    3634125.90        0.91537                        503071.98
3634125.90        0.90689
         503121.98    3634125.90        0.89785                        503171.98
3634125.90        0.88813
         503221.98    3634125.90        0.87580                        503271.98
3634125.90        0.86463
         503921.98    3634125.90        0.67282                        503971.98
3634125.90        0.65716
         504021.98    3634125.90        0.64186                        504071.98
3634125.90        0.62744
         504121.98    3634125.90        0.61140                        504171.98
3634125.90        0.59673
         504221.98    3634125.90        0.58088                        504271.98
3634125.90        0.56652
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 503
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                 L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                 L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                 L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3634125.90	0.55328	504371.98	3634125.90	0.53955
504421.98	3634125.90	0.52893	504471.98	3634125.90	0.52397
504521.98	3634125.90	0.50490	504571.98	3634125.90	0.47122
504621.98	3634125.90	0.43302	504671.98	3634125.90	0.42210
504721.98	3634125.90	0.40363	502721.98	3634175.90	0.89843
502771.98	3634175.90	0.89517	502821.98	3634175.90	0.89215
502871.98	3634175.90	0.88858	502921.98	3634175.90	0.88245
502971.98	3634175.90	0.87619	503021.98	3634175.90	0.87035
503071.98	3634175.90	0.86228	503121.98	3634175.90	0.85370
503171.98	3634175.90	0.84391	503221.98	3634175.90	0.83263
503271.98	3634175.90	0.82212	503971.98	3634175.90	0.63403
504021.98	3634175.90	0.61893	504071.98	3634175.90	0.60485
504121.98	3634175.90	0.59125	504171.98	3634175.90	0.57630
504221.98	3634175.90	0.56294	504271.98	3634175.90	0.54874
504321.98	3634175.90	0.53563	504371.98	3634175.90	0.52756
504421.98	3634175.90	0.52888	504471.98	3634175.90	0.51002
504521.98	3634175.90	0.48735	504571.98	3634175.90	0.43496
504621.98	3634175.90	0.39297	504671.98	3634175.90	0.37426
504721.98	3634175.90	0.34419	502721.98	3634225.90	0.85388
502771.98	3634225.90	0.85226	502821.98		

3634225.90   0.84994
         502871.98   3634225.90   0.84608   502921.98
3634225.90   0.84002
         502971.98   3634225.90   0.83418   503021.98
3634225.90   0.82862
         503071.98   3634225.90   0.82128   503121.98
3634225.90   0.81323
         503171.98   3634225.90   0.80412   503221.98
3634225.90   0.79453
         503271.98   3634225.90   0.78492   504071.98
3634225.90   0.58431
         504121.98   3634225.90   0.57135   504171.98
3634225.90   0.55832
         504221.98   3634225.90   0.54467   504271.98
3634225.90   0.53272
         504321.98   3634225.90   0.52004   504371.98
3634225.90   0.51782
         504421.98   3634225.90   0.51492   504471.98
3634225.90   0.49610
         504521.98   3634225.90   0.47260   504571.98
3634225.90   0.42694
         504621.98   3634225.90   0.37747   504671.98
3634225.90   0.33878
         504721.98   3634225.90   0.30844   502721.98
3634275.90   0.81385
         502771.98   3634275.90   0.81135   502821.98
3634275.90   0.80942
         502871.98   3634275.90   0.80799   502921.98
3634275.90   0.80145
         502971.98   3634275.90   0.79515   503021.98
3634275.90   0.79042
         503071.98   3634275.90   0.78359   503121.98
3634275.90   0.77601
         503171.98   3634275.90   0.76807   503221.98
3634275.90   0.75938
         503271.98   3634275.90   0.75088   504121.98
3634275.90   0.55266
         504171.98   3634275.90   0.54023   504221.98
3634275.90   0.52977
         504271.98   3634275.90   0.51717   504321.98
3634275.90   0.50607

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761
, L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769
, L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777
, L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785
, L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504371.98	3634275.90	0.49867	504421.98	3634275.90	0.50199
504471.98	3634275.90	0.48794	504521.98	3634275.90	0.45134
504571.98	3634275.90	0.39699	504621.98	3634275.90	0.35406
504671.98	3634275.90	0.31714	504721.98	3634275.90	0.29829
502721.98	3634325.90	0.77067	502771.98	3634325.90	0.76975
502821.98	3634325.90	0.76736	502871.98	3634325.90	0.77244
502971.98	3634325.90	0.75961	503021.98	3634325.90	0.75481
503071.98	3634325.90	0.74899	503121.98	3634325.90	0.74197
503171.98	3634325.90	0.73466	503221.98	3634325.90	0.72686
503271.98	3634325.90	0.71897	504171.98	3634325.90	0.52456
504221.98	3634325.90	0.51450	504271.98	3634325.90	0.50231
504321.98	3634325.90	0.49136	504371.98	3634325.90	0.48264
504421.98	3634325.90	0.48616	504471.98	3634325.90	0.48082
504521.98	3634325.90	0.44247	504571.98	3634325.90	0.38180
504621.98	3634325.90	0.33294	504671.98	3634325.90	0.30304

504721.98 3634325.90 0.29413 502721.98
3634375.90 0.73398
502771.98 3634375.90 0.73367 502821.98
3634375.90 0.73122
503021.98 3634375.90 0.72014 503071.98
3634375.90 0.71633
503121.98 3634375.90 0.71000 503171.98
3634375.90 0.70291
503221.98 3634375.90 0.69605 503271.98
3634375.90 0.68880
504221.98 3634375.90 0.49901 504271.98
3634375.90 0.48818
504321.98 3634375.90 0.47741 504371.98
3634375.90 0.47107
504421.98 3634375.90 0.48433 504471.98
3634375.90 0.44824
504521.98 3634375.90 0.39854 504571.98
3634375.90 0.35650
504621.98 3634375.90 0.32743 504671.98
3634375.90 0.30717
504721.98 3634375.90 0.29465 502721.98
3634425.90 0.70384
502771.98 3634425.90 0.70219 502821.98
3634425.90 0.69989
504271.98 3634425.90 0.47303 504321.98
3634425.90 0.46357
504371.98 3634425.90 0.45677 504421.98
3634425.90 0.46690
504471.98 3634425.90 0.45020 504521.98
3634425.90 0.40287
504571.98 3634425.90 0.38043 504621.98
3634425.90 0.36360
504671.98 3634425.90 0.33781 504721.98
3634425.90 0.31053
502721.98 3634475.90 0.67788 502771.98
3634475.90 0.67783
502821.98 3634475.90 0.67621 504321.98
3634475.90 0.44991
504371.98 3634475.90 0.44185 504421.98
3634475.90 0.43511
504471.98 3634475.90 0.44207 504521.98
3634475.90 0.44049
504571.98 3634475.90 0.42750 504621.98
3634475.90 0.41348
504671.98 3634475.90 0.38242 504721.98
3634475.90 0.34098
502721.98 3634525.90 0.65181 502771.98
3634525.90 0.65014
504371.98 3634525.90 0.42917 504421.98
3634525.90 0.42069

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504471.98	3634525.90	0.41317	504521.98	3634525.90	0.40668
504571.98	3634525.90	0.40005	504621.98	3634525.90	0.39755
504671.98	3634525.90	0.39961	504721.98	3634525.90	0.37565
502721.98	3634575.90	0.62532	502771.98	3634575.90	0.62433
504421.98	3634575.90	0.40917	504471.98	3634575.90	0.40164
504521.98	3634575.90	0.39392	504571.98	3634575.90	0.38668
504621.98	3634575.90	0.38097	504671.98	3634575.90	0.37912
504721.98	3634575.90	0.38010	502721.98	3634625.90	0.60062
502771.98	3634625.90	0.59938	502821.98	3634625.90	0.59870
502871.98	3634625.90	0.59661	502921.98	3634625.90	0.59384
502971.98	3634625.90	0.59099	503021.98		

3634625.90 0.58779
503071.98 3634625.90 0.58417 503121.98 3634625.90 0.57992
504471.98 3634625.90 0.39147 504521.98 3634625.90 0.38421
504571.98 3634625.90 0.37693 504621.98 3634625.90 0.37003
504671.98 3634625.90 0.36286 504721.98 3634625.90 0.35827
502721.98 3634675.90 0.57769 502771.98 3634675.90 0.57681
502821.98 3634675.90 0.57601 502871.98 3634675.90 0.57414
502921.98 3634675.90 0.57166 502971.98 3634675.90 0.56927
503021.98 3634675.90 0.56576 503071.98 3634675.90 0.56207
503121.98 3634675.90 0.55891 503171.98 3634675.90 0.55586
503221.98 3634675.90 0.55125 503271.98 3634675.90 0.54452
503321.98 3634675.90 0.53953 503371.98 3634675.90 0.53445
503421.98 3634675.90 0.52909 503471.98 3634675.90 0.52470
503521.98 3634675.90 0.51623 504521.98 3634675.90 0.37468
504571.98 3634675.90 0.36770 504621.98 3634675.90 0.36120
504671.98 3634675.90 0.35441 504721.98 3634675.90 0.34777
502721.98 3634725.90 0.55608 502771.98 3634725.90 0.55522
502821.98 3634725.90 0.55401 502871.98 3634725.90 0.55301
502921.98 3634725.90 0.55062 502971.98 3634725.90 0.54803
503021.98 3634725.90 0.54507 503071.98 3634725.90 0.54149
503121.98 3634725.90 0.53842 503171.98 3634725.90 0.53518
503221.98 3634725.90 0.53059 503271.98 3634725.90 0.52542
503321.98 3634725.90 0.52094 503371.98 3634725.90 0.51628
503421.98 3634725.90 0.51136 503471.98 3634725.90 0.50703
503521.98 3634725.90 0.50128 503571.98 3634725.90 0.49398
503621.98 3634725.90 0.48666 504571.98

3634725.90   0.35913
         504621.98   3634725.90   0.35289   504671.98
3634725.90   0.34643
         504721.98   3634725.90   0.34011   502721.98
3634775.90   0.53572
         502771.98   3634775.90   0.53461   502821.98
3634775.90   0.53371
         502871.98   3634775.90   0.53265   502921.98
3634775.90   0.53060

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                 L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                 L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                 L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502971.98   3634775.90   0.52784   503021.98
3634775.90   0.52546
         503071.98   3634775.90   0.52232   503121.98
3634775.90   0.51900
         503171.98   3634775.90   0.51565   503221.98
3634775.90   0.51119
         503271.98   3634775.90   0.50689   503321.98
3634775.90   0.50253
         503371.98   3634775.90   0.49797   503421.98
3634775.90   0.49353
         503471.98   3634775.90   0.48954   503521.98
3634775.90   0.48406

503571.98 3634775.90 0.47838 503621.98 3634775.90 0.47277
503671.98 3634775.90 0.46725 503721.98 3634775.90 0.46111
503771.98 3634775.90 0.45448 503821.98 3634775.90 0.44689
504621.98 3634775.90 0.34476 504671.98 3634775.90 0.33879
504721.98 3634775.90 0.33275 502721.98 3634825.90 0.51621
502771.98 3634825.90 0.51581 502821.98 3634825.90 0.51468
502871.98 3634825.90 0.51307 502921.98 3634825.90 0.51169
502971.98 3634825.90 0.50930 503021.98 3634825.90 0.50692
503071.98 3634825.90 0.50363 503121.98 3634825.90 0.50079
503171.98 3634825.90 0.49692 503221.98 3634825.90 0.49322
503271.98 3634825.90 0.48938 503321.98 3634825.90 0.48556
503371.98 3634825.90 0.48215 503421.98 3634825.90 0.47808
503471.98 3634825.90 0.47357 503521.98 3634825.90 0.46852
503571.98 3634825.90 0.46302 503621.98 3634825.90 0.45797
503671.98 3634825.90 0.45271 503721.98 3634825.90 0.44718
503771.98 3634825.90 0.44137 503821.98 3634825.90 0.43558
503871.98 3634825.90 0.42974 503921.98 3634825.90 0.42367
504671.98 3634825.90 0.33128 504721.98 3634825.90 0.32560
502721.98 3634875.90 0.49771 502771.98 3634875.90 0.49721
502821.98 3634875.90 0.49623 502871.98 3634875.90 0.49455
502921.98 3634875.90 0.49337 502971.98 3634875.90 0.49137
503021.98 3634875.90 0.48916 503071.98 3634875.90 0.48642
503121.98 3634875.90 0.48358 503171.98 3634875.90 0.47967
503221.98 3634875.90 0.47651 503271.98 3634875.90 0.47376
503321.98 3634875.90 0.47044 503371.98 3634875.90 0.46641

```
         503421.98    3634875.90        0.46236                       503471.98
3634875.90        0.45830
         503521.98    3634875.90        0.45363                       503571.98
3634875.90        0.44884
         503621.98    3634875.90        0.44385                       503671.98
3634875.90        0.43889
         503721.98    3634875.90        0.43392                       503771.98
3634875.90        0.42863
         503821.98    3634875.90        0.42329                       503871.98
3634875.90        0.41778
         503921.98    3634875.90        0.41280                       504721.98
3634875.90        0.31860
         502721.98    3634925.90        0.48034                       502771.98
3634925.90        0.47961
         502821.98    3634925.90        0.47882                       502871.98
3634925.90        0.47725
         502921.98    3634925.90        0.47603                       502971.98
3634925.90        0.47426
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         503021.98    3634925.90        0.47217                       503071.98
3634925.90        0.46973
         503121.98    3634925.90        0.46713                       503171.98
```

3634925.90 0.46419
503221.98 3634925.90 0.46131 503271.98
3634925.90 0.45822
503321.98 3634925.90 0.45487 503371.98
3634925.90 0.45128
503421.98 3634925.90 0.44754 503471.98
3634925.90 0.44354
503521.98 3634925.90 0.43927 503571.98
3634925.90 0.43479
503621.98 3634925.90 0.43013 503671.98
3634925.90 0.42552
503721.98 3634925.90 0.42131 503771.98
3634925.90 0.41666
503821.98 3634925.90 0.41204 503871.98
3634925.90 0.40924
502721.98 3634975.90 0.46395 502771.98
3634975.90 0.46306
502821.98 3634975.90 0.46225 502871.98
3634975.90 0.46126
502921.98 3634975.90 0.46023 502971.98
3634975.90 0.45774
503021.98 3634975.90 0.45591 503071.98
3634975.90 0.45391
503121.98 3634975.90 0.45164 503171.98
3634975.90 0.44814
503221.98 3634975.90 0.44522 503271.98
3634975.90 0.44250
503321.98 3634975.90 0.43935 503371.98
3634975.90 0.43614
503421.98 3634975.90 0.43327 503471.98
3634975.90 0.42937
503521.98 3634975.90 0.42557 503571.98
3634975.90 0.42136
503621.98 3634975.90 0.41697 503671.98
3634975.90 0.41262
503721.98 3634975.90 0.40925 503771.98
3634975.90 0.41476
503821.98 3634975.90 0.40714 503871.98
3634975.90 0.42125
502721.98 3635025.90 0.44843 502771.98
3635025.90 0.44803
502821.98 3635025.90 0.44719 502871.98
3635025.90 0.44613
502921.98 3635025.90 0.44458 502971.98
3635025.90 0.44293
503021.98 3635025.90 0.44115 503071.98
3635025.90 0.43932
503121.98 3635025.90 0.43707 503171.98
3635025.90 0.43412
503221.98 3635025.90 0.43148 503271.98

```
3635025.90        0.42870
         503321.98    3635025.90        0.42573                      503371.98
3635025.90        0.42269
         503421.98    3635025.90        0.41968                      503471.98
3635025.90        0.41607
         503521.98    3635025.90        0.41240                      503571.98
3635025.90        0.40859
         503621.98    3635025.90        0.40466                      503671.98
3635025.90        0.40084
         503721.98    3635025.90        0.40479                      503771.98
3635025.90        0.40491
         503821.98    3635025.90        0.40635                      504371.98
3635025.90        0.33326
         502721.98    3635075.90        0.43404                      502771.98
3635075.90        0.43365
         502821.98    3635075.90        0.43289                      502871.98
3635075.90        0.43147
         502921.98    3635075.90        0.43028                      502971.98
3635075.90        0.42890
         503021.98    3635075.90        0.42697                      503071.98
3635075.90        0.42520
         503121.98    3635075.90        0.42305                      503171.98
3635075.90        0.42046
         503221.98    3635075.90        0.41804                      503271.98
3635075.90        0.41539
         503321.98    3635075.90        0.41263                      503371.98
3635075.90        0.40968
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 508
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                 L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                 L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                 L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503421.98	3635075.90	0.40653	503471.98	3635075.90	0.40323
503521.98	3635075.90	0.39982	503571.98	3635075.90	0.39630
503621.98	3635075.90	0.39268	503671.98	3635075.90	0.38924
503721.98	3635075.90	0.38869	503771.98	3635075.90	0.39174
503821.98	3635075.90	0.40539	504371.98	3635075.90	0.32566
504421.98	3635075.90	0.32091	504471.98	3635075.90	0.31620
504521.98	3635075.90	0.31093	502721.98	3635125.90	0.42017
502771.98	3635125.90	0.41983	502821.98	3635125.90	0.41918
502871.98	3635125.90	0.41803	502921.98	3635125.90	0.41635
502971.98	3635125.90	0.41495	503021.98	3635125.90	0.41343
503071.98	3635125.90	0.41185	503121.98	3635125.90	0.40986
503171.98	3635125.90	0.40761	503221.98	3635125.90	0.40547
503271.98	3635125.90	0.40283	503321.98	3635125.90	0.40028
503371.98	3635125.90	0.39746	503421.98	3635125.90	0.39427
503471.98	3635125.90	0.39125	503521.98	3635125.90	0.38808
503571.98	3635125.90	0.38520	503621.98	3635125.90	0.38161
503671.98	3635125.90	0.37858	503721.98	3635125.90	0.38543
503771.98	3635125.90	0.38870	503821.98	3635125.90	0.39669
504371.98	3635125.90	0.31807	504421.98	3635125.90	0.31385
504471.98	3635125.90	0.30920	504521.98	3635125.90	0.30458
504571.98	3635125.90	0.29981	502721.98	3635175.90	0.40693
502771.98	3635175.90	0.40679	502821.98	3635175.90	0.40617

```
         502871.98    3635175.90        0.40530                      502921.98
3635175.90        0.40357
         502971.98    3635175.90        0.40222                      503021.98
3635175.90        0.40091
         503071.98    3635175.90        0.39925                      503121.98
3635175.90        0.39727
         503171.98    3635175.90        0.39513                      503221.98
3635175.90        0.39314
         503271.98    3635175.90        0.39068                      503321.98
3635175.90        0.38834
         503371.98    3635175.90        0.38563                      503421.98
3635175.90        0.38238
         503471.98    3635175.90        0.38007                      503521.98
3635175.90        0.37693
         503571.98    3635175.90        0.37425                      503621.98
3635175.90        0.37095
         503671.98    3635175.90        0.36920                      503721.98
3635175.90        0.38192
         503771.98    3635175.90        0.39143                      503821.98
3635175.90        0.40266
         504371.98    3635175.90        0.31076                      504421.98
3635175.90        0.30669
         504471.98    3635175.90        0.30236                      504521.98
3635175.90        0.29807
         504571.98    3635175.90        0.29386                      504621.98
3635175.90        0.28889
         502721.98    3635225.90        0.39435                      502771.98
3635225.90        0.39389
         502821.98    3635225.90        0.39329                      502871.98
3635225.90        0.39254
         502921.98    3635225.90        0.39153                      502971.98
3635225.90        0.39021
         503021.98    3635225.90        0.38874                      503071.98
3635225.90        0.38706
         503121.98    3635225.90        0.38515                      503171.98
3635225.90        0.38312
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 509
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                 L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
```

```
                 L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                 L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         503221.98    3635225.90        0.38094                       503271.98
3635225.90        0.37859
         503321.98    3635225.90        0.37613                       503371.98
3635225.90        0.37364
         503421.98    3635225.90        0.37102                       503471.98
3635225.90        0.36846
         503521.98    3635225.90        0.36622                       503571.98
3635225.90        0.36366
         503621.98    3635225.90        0.36314                       503671.98
3635225.90        0.36788
         504371.98    3635225.90        0.30359                       504421.98
3635225.90        0.29959
         504471.98    3635225.90        0.29559                       504521.98
3635225.90        0.29158
         504571.98    3635225.90        0.28766                       504621.98
3635225.90        0.28351
         502721.98    3635275.90        0.38261                       502771.98
3635275.90        0.38240
         502821.98    3635275.90        0.38183                       502871.98
3635275.90        0.38091
         502921.98    3635275.90        0.38001                       502971.98
3635275.90        0.37874
         503021.98    3635275.90        0.37750                       503071.98
3635275.90        0.37601
         503121.98    3635275.90        0.37433                       503171.98
3635275.90        0.37249
         503221.98    3635275.90        0.36986                       503271.98
3635275.90        0.36779
         503321.98    3635275.90        0.36542                       503371.98
3635275.90        0.36320
         503421.98    3635275.90        0.36057                       503471.98
3635275.90        0.35802
         503521.98    3635275.90        0.35526                       503571.98
3635275.90        0.35324
         503621.98    3635275.90        0.35116                       504371.98
```

```
3635275.90        0.29705
         504421.98    3635275.90        0.29323                     504471.98
3635275.90        0.28929
         504521.98    3635275.90        0.28538                     504571.98
3635275.90        0.28152
         504621.98    3635275.90        0.27772                     504671.98
3635275.90        0.27365
         502721.98    3635325.90        0.37131                     502771.98
3635325.90        0.37104
         502821.98    3635325.90        0.37046                     502871.98
3635325.90        0.36967
         502921.98    3635325.90        0.36878                     502971.98
3635325.90        0.36759
         503021.98    3635325.90        0.36641                     503071.98
3635325.90        0.36500
         503121.98    3635325.90        0.36345                     503171.98
3635325.90        0.36173
         503221.98    3635325.90        0.35928                     503271.98
3635325.90        0.35733
         503321.98    3635325.90        0.35520                     503371.98
3635325.90        0.35309
         503421.98    3635325.90        0.35073                     503471.98
3635325.90        0.34826
         503521.98    3635325.90        0.34550                     503571.98
3635325.90        0.34325
         503621.98    3635325.90        0.34124                     504371.98
3635325.90        0.29044
         504421.98    3635325.90        0.28675                     504471.98
3635325.90        0.28303
         504521.98    3635325.90        0.27926                     504571.98
3635325.90        0.27554
         504621.98    3635325.90        0.27198                     504671.98
3635325.90        0.26841
         504721.98    3635325.90        0.26441                     502721.98
3635375.90        0.36061
         502771.98    3635375.90        0.36088                     502821.98
3635375.90        0.36167
         502871.98    3635375.90        0.36092                     502921.98
3635375.90        0.35874
         502971.98    3635375.90        0.35702                     503021.98
3635375.90        0.35631
         503071.98    3635375.90        0.35533                     503121.98
3635375.90        0.35313
         503171.98    3635375.90        0.35141                     503221.98
3635375.90        0.34915
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***

INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503271.98	3635375.90	0.34730	503321.98	3635375.90	0.34536
503371.98	3635375.90	0.34331	503421.98	3635375.90	0.34105
503471.98	3635375.90	0.33868	503521.98	3635375.90	0.33618
503571.98	3635375.90	0.33395	503621.98	3635375.90	0.33154
503671.98	3635375.90	0.33109	503721.98	3635375.90	0.33969
504371.98	3635375.90	0.28397	504421.98	3635375.90	0.28045
504471.98	3635375.90	0.27688	504521.98	3635375.90	0.27335
504571.98	3635375.90	0.26979	504621.98	3635375.90	0.26642
504671.98	3635375.90	0.26298	504721.98	3635375.90	0.25947
502721.98	3635425.90	0.35038	502771.98	3635425.90	0.35256
502821.98	3635425.90	0.35309	502871.98	3635425.90	0.35270
502921.98	3635425.90	0.35176	502971.98	3635425.90	0.34949
503021.98	3635425.90	0.34827	503071.98	3635425.90	0.34644

503121.98 3635425.90 0.34307 503171.98 3635425.90 0.34151
503221.98 3635425.90 0.33977 503271.98 3635425.90 0.33821
503321.98 3635425.90 0.33627 503371.98 3635425.90 0.33420
503421.98 3635425.90 0.33205 503471.98 3635425.90 0.32991
503521.98 3635425.90 0.32766 503571.98 3635425.90 0.32532
503621.98 3635425.90 0.32288 503671.98 3635425.90 0.32222
503721.98 3635425.90 0.32337 503771.98 3635425.90 0.32367
503821.98 3635425.90 0.32402 504371.98 3635425.90 0.27774
504421.98 3635425.90 0.27445 504471.98 3635425.90 0.27109
504521.98 3635425.90 0.26766 504571.98 3635425.90 0.26428
504621.98 3635425.90 0.26102 504671.98 3635425.90 0.25771
504721.98 3635425.90 0.25440 502721.98 3635475.90 0.34146
502771.98 3635475.90 0.34320 502821.98 3635475.90 0.34300
502871.98 3635475.90 0.34262 502921.98 3635475.90 0.34065
502971.98 3635475.90 0.34082 503021.98 3635475.90 0.33951
503071.98 3635475.90 0.33543 503121.98 3635475.90 0.33347
503171.98 3635475.90 0.33204 503221.98 3635475.90 0.33056
503271.98 3635475.90 0.32897 503321.98 3635475.90 0.32719
503371.98 3635475.90 0.32524 503421.98 3635475.90 0.32322
503471.98 3635475.90 0.32117 503521.98 3635475.90 0.31903
503571.98 3635475.90 0.31684 503621.98 3635475.90 0.31449
503671.98 3635475.90 0.31238 503721.98 3635475.90 0.31013
503771.98 3635475.90 0.31255 503821.98 3635475.90 0.30954
503871.98 3635475.90 0.30561 503921.98 3635475.90 0.30266
504371.98 3635475.90 0.27150 504421.98 3635475.90 0.26842

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                 INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                  L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                  L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                  L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         504671.98   3635475.90   0.25260   504721.98
3635475.90   0.24951
         502221.98   3632975.90   7.85872   502271.98
3632975.90   7.86500
         502321.98   3632975.90   7.86615   502371.98
3632975.90   7.86428
         502421.98   3632975.90   7.84843   502471.98
3632975.90   7.81551
         502521.98   3632975.90   7.71249   502571.98
3632975.90   7.63913
         502621.98   3632975.90   7.56615   502671.98
3632975.90   7.49699
         502721.98   3632975.90   7.42787   502771.98
3632975.90   7.37561
         502821.98   3632975.90   7.40205   502871.98
3632975.90   7.50550
         502921.98   3632975.90   7.39672   502971.98

3632975.90 5.26127
503021.98 3632975.90 5.17757 503071.98
3632975.90 6.79003
503121.98 3632975.90 7.11635 503171.98
3632975.90 6.90896
503221.98 3632975.90 6.79236 503271.98
3632975.90 6.81010
503321.98 3632975.90 6.91402 503371.98
3632975.90 7.03008
503421.98 3632975.90 7.30261 503471.98
3632975.90 7.35415
503621.98 3632975.90 4.94592 503671.98
3632975.90 3.81709
503721.98 3632975.90 2.98653 503771.98
3632975.90 2.32498
503821.98 3632975.90 1.70316 503871.98
3632975.90 1.39086
503921.98 3632975.90 1.22864 503971.98
3632975.90 1.11573
504021.98 3632975.90 1.01479 504071.98
3632975.90 0.93954
504121.98 3632975.90 0.86168 504171.98
3632975.90 0.80394
504221.98 3632975.90 0.75094 504271.98
3632975.90 0.70527
504321.98 3632975.90 0.66329 504371.98
3632975.90 0.62013
504421.98 3632975.90 0.58388 504471.98
3632975.90 0.55207
504521.98 3632975.90 0.52418 504571.98
3632975.90 0.49713
504621.98 3632975.90 0.47119 504671.98
3632975.90 0.44791
504721.98 3632975.90 0.42715 504771.98
3632975.90 0.40766
504821.98 3632975.90 0.38760 504871.98
3632975.90 0.36982
504921.98 3632975.90 0.35449 504971.98
3632975.90 0.34012
505021.98 3632975.90 0.32595 505071.98
3632975.90 0.31365
505121.98 3632975.90 0.30416 505171.98
3632975.90 0.29736
505221.98 3632975.90 0.29141 502221.98
3633025.90 6.34951
502271.98 3633025.90 6.47592 502321.98
3633025.90 6.46538
502371.98 3633025.90 6.48239 502421.98
3633025.90 6.48799
502471.98 3633025.90 6.44421 502521.98

```
3633025.90        6.41170
         502571.98    3633025.90        6.37057                      502621.98
3633025.90        6.33530
         502671.98    3633025.90        6.27885                      502721.98
3633025.90        6.22035
         502771.98    3633025.90        6.17002                      502821.98
3633025.90        6.22457
         502871.98    3633025.90        6.21506                      502921.98
3633025.90        6.19724
         502971.98    3633025.90        4.57348                      503021.98
3633025.90        5.03803
         503071.98    3633025.90        6.01477                      503121.98
3633025.90        5.86844
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 512
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                 INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503171.98    3633025.90        5.74416                      503221.98
3633025.90        5.62401
         503271.98    3633025.90        5.61460                      503321.98
3633025.90        5.59665
         503371.98    3633025.90        5.63349                      503421.98
3633025.90        5.71564
         503471.98    3633025.90        5.55582                      503621.98
3633025.90        4.11415
```

503671.98 3633025.90 3.40411 503721.98
3633025.90 2.82507
503771.98 3633025.90 1.98480 503821.98
3633025.90 1.52227
503871.98 3633025.90 1.28817 503921.98
3633025.90 1.14946
503971.98 3633025.90 1.04653 504021.98
3633025.90 0.96038
504071.98 3633025.90 0.88656 504121.98
3633025.90 0.82432
504171.98 3633025.90 0.77214 504221.98
3633025.90 0.72756
504271.98 3633025.90 0.68659 504321.98
3633025.90 0.64892
504371.98 3633025.90 0.61016 504421.98
3633025.90 0.57694
504471.98 3633025.90 0.54782 504521.98
3633025.90 0.51919
504571.98 3633025.90 0.49284 504621.98
3633025.90 0.46884
504671.98 3633025.90 0.44720 504721.98
3633025.90 0.42741
504771.98 3633025.90 0.40916 504821.98
3633025.90 0.39084
504871.98 3633025.90 0.37571 504921.98
3633025.90 0.36126
504971.98 3633025.90 0.34625 505021.98
3633025.90 0.33080
505071.98 3633025.90 0.31809 505121.98
3633025.90 0.30876
505171.98 3633025.90 0.30251 505221.98
3633025.90 0.29914
502221.98 3633075.90 5.37317 502271.98
3633075.90 5.46444
502321.98 3633075.90 5.48379 502371.98
3633075.90 5.49384
502421.98 3633075.90 5.49696 502471.98
3633075.90 5.45840
502521.98 3633075.90 5.43994 502571.98
3633075.90 5.42801
502621.98 3633075.90 5.39800 502671.98
3633075.90 5.33906
502721.98 3633075.90 5.31879 502771.98
3633075.90 5.26693
502821.98 3633075.90 5.28824 502871.98
3633075.90 5.26417
502921.98 3633075.90 5.25016 502971.98
3633075.90 5.26256
503021.98 3633075.90 5.18181 503071.98
3633075.90 5.10729

```
         503121.98    3633075.90        4.98054                      503171.98
3633075.90        4.87804
         503221.98    3633075.90        4.75440                      503271.98
3633075.90        4.73922
         503321.98    3633075.90        4.71103                      503371.98
3633075.90        4.68772
         503421.98    3633075.90        4.65954                      503471.98
3633075.90        4.48964
         503621.98    3633075.90        3.51916                      503671.98
3633075.90        2.95395
         503721.98    3633075.90        2.48142                      503771.98
3633075.90        1.78155
         503821.98    3633075.90        1.39246                      503871.98
3633075.90        1.19314
         503921.98    3633075.90        1.08257                      503971.98
3633075.90        0.99718
         504021.98    3633075.90        0.91390                      504071.98
3633075.90        0.84611
         504121.98    3633075.90        0.78907                      504171.98
3633075.90        0.74086
         504221.98    3633075.90        0.69952                      504271.98
3633075.90        0.66238
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 513
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- -

504321.98	3633075.90	0.62997	504371.98	3633075.90	0.59334
504421.98	3633075.90	0.56443	504471.98	3633075.90	0.53522
504521.98	3633075.90	0.50806	504571.98	3633075.90	0.48394
504621.98	3633075.90	0.46186	504671.98	3633075.90	0.44229
504721.98	3633075.90	0.42417	504771.98	3633075.90	0.40805
504821.98	3633075.90	0.39260	504871.98	3633075.90	0.37960
504921.98	3633075.90	0.36838	504971.98	3633075.90	0.35178
505021.98	3633075.90	0.33562	505071.98	3633075.90	0.32225
505121.98	3633075.90	0.31262	505171.98	3633075.90	0.30709
505221.98	3633075.90	0.30356	502221.98	3633125.90	4.65229
502271.98	3633125.90	4.69756	502321.98	3633125.90	4.72098
502371.98	3633125.90	4.73262	502421.98	3633125.90	4.74158
502471.98	3633125.90	4.72643	502521.98	3633125.90	4.71282
502571.98	3633125.90	4.69390	502621.98	3633125.90	4.66852
502671.98	3633125.90	4.64906	502721.98	3633125.90	4.61103
502771.98	3633125.90	4.59580	502821.98	3633125.90	4.55777
502871.98	3633125.90	4.55452	502921.98	3633125.90	4.51377
502971.98	3633125.90	4.50355	503021.98	3633125.90	4.46908
503071.98	3633125.90	4.38652	503121.98	3633125.90	4.29904
503171.98	3633125.90	4.20186	503221.98	3633125.90	4.11871
503271.98	3633125.90	4.06862	503321.98	3633125.90	4.00137
503371.98	3633125.90	3.97783	503421.98	3633125.90	3.92906
503471.98	3633125.90	3.77668	503621.98	3633125.90	3.05509
503671.98	3633125.90	2.54430	503721.98	3633125.90	2.17011
503771.98	3633125.90	1.56765	503821.98		

```
3633125.90        1.28741
         503871.98    3633125.90        1.12463                        503921.98
3633125.90        1.02666
         503971.98    3633125.90        0.94920                        504021.98
3633125.90        0.86748
         504071.98    3633125.90        0.80948                        504121.98
3633125.90        0.75998
         504171.98    3633125.90        0.71544                        504221.98
3633125.90        0.67592
         504271.98    3633125.90        0.64172                        504321.98
3633125.90        0.60893
         504371.98    3633125.90        0.57778                        504421.98
3633125.90        0.55017
         504471.98    3633125.90        0.52052                        504521.98
3633125.90        0.49409
         504571.98    3633125.90        0.47126                        504621.98
3633125.90        0.45190
         504671.98    3633125.90        0.43472                        504721.98
3633125.90        0.41829
         504771.98    3633125.90        0.40363                        504821.98
3633125.90        0.39030
         504871.98    3633125.90        0.38056                        504921.98
3633125.90        0.37493
         504971.98    3633125.90        0.35773                        505021.98
3633125.90        0.33906
         505071.98    3633125.90        0.32348                        505121.98
3633125.90        0.31454
         505171.98    3633125.90        0.30953                        505221.98
3633125.90        0.30789
         502221.98    3633175.90        4.05742                        502271.98
3633175.90        4.08707
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 514
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502321.98	3633175.90	4.11116	502371.98	3633175.90	4.15031
502421.98	3633175.90	4.16962	502471.98	3633175.90	4.15788
502521.98	3633175.90	4.15186	502571.98	3633175.90	4.14289
502621.98	3633175.90	4.12575	502671.98	3633175.90	4.11305
502721.98	3633175.90	4.11207	502771.98	3633175.90	4.08946
502821.98	3633175.90	4.06437	502871.98	3633175.90	3.99389
502921.98	3633175.90	3.96246	502971.98	3633175.90	3.91138
503021.98	3633175.90	3.87282	503071.98	3633175.90	3.80805
503121.98	3633175.90	3.75698	503171.98	3633175.90	3.67355
503221.98	3633175.90	3.62678	503271.98	3633175.90	3.57358
503321.98	3633175.90	3.49848	503371.98	3633175.90	3.46062
503421.98	3633175.90	3.38979	503471.98	3633175.90	3.26066
503621.98	3633175.90	2.57442	503671.98	3633175.90	2.28847
503721.98	3633175.90	1.81656	503771.98	3633175.90	1.40808
503821.98	3633175.90	1.19848	503871.98	3633175.90	1.06344
503921.98	3633175.90	0.97939	503971.98	3633175.90	0.90634
504021.98	3633175.90	0.82880	504071.98	3633175.90	0.77693
504121.98	3633175.90	0.73460	504171.98	3633175.90	0.69874
504221.98	3633175.90	0.65940	504271.98	3633175.90	0.62436
504321.98	3633175.90	0.59265	504371.98	3633175.90	0.56987

```
         504421.98    3633175.90        0.53712                        504471.98
3633175.90        0.50566
         504521.98    3633175.90        0.47915                        504571.98
3633175.90        0.45764
         504621.98    3633175.90        0.44105                        504671.98
3633175.90        0.42667
         504721.98    3633175.90        0.41191                        504771.98
3633175.90        0.39838
         504821.98    3633175.90        0.38593                        504871.98
3633175.90        0.37887
         504921.98    3633175.90        0.37805                        504971.98
3633175.90        0.35692
         505021.98    3633175.90        0.33671                        505071.98
3633175.90        0.32299
         505121.98    3633175.90        0.31480                        505171.98
3633175.90        0.30983
         505221.98    3633175.90        0.30748                        502221.98
3633225.90        3.58643
         502271.98    3633225.90        3.62382                        502321.98
3633225.90        3.64435
         502371.98    3633225.90        3.68218                        502421.98
3633225.90        3.69573
         502471.98    3633225.90        3.68061                        502521.98
3633225.90        3.68315
         502571.98    3633225.90        3.67479                        502621.98
3633225.90        3.66790
         502671.98    3633225.90        3.65618                        502721.98
3633225.90        3.66057
         502771.98    3633225.90        3.62816                        502821.98
3633225.90        3.60688
         502871.98    3633225.90        3.56927                        502921.98
3633225.90        3.52105
         502971.98    3633225.90        3.47088                        503021.98
3633225.90        3.42922
         503071.98    3633225.90        3.37424                        503121.98
3633225.90        3.31269
         503171.98    3633225.90        3.26292                        503221.98
3633225.90        3.21520
         503271.98    3633225.90        3.15972                        503321.98
3633225.90        3.10620
```


*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***

INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503371.98	3633225.90	3.06514	503421.98	3633225.90	2.97892
503471.98	3633225.90	2.86851	503621.98	3633225.90	2.35309
503671.98	3633225.90	2.02950	503721.98	3633225.90	1.59657
503771.98	3633225.90	1.31503	503821.98	3633225.90	1.12528
503871.98	3633225.90	1.01870	503921.98	3633225.90	0.93606
503971.98	3633225.90	0.86921	504021.98	3633225.90	0.80581
504071.98	3633225.90	0.75820	504121.98	3633225.90	0.72120
504171.98	3633225.90	0.68583	504221.98	3633225.90	0.63722
504271.98	3633225.90	0.60494	504321.98	3633225.90	0.58479
504371.98	3633225.90	0.56365	504421.98	3633225.90	0.52624
504471.98	3633225.90	0.49419	504521.98	3633225.90	0.46740
504571.98	3633225.90	0.44701	504621.98	3633225.90	0.43213
504671.98	3633225.90	0.42147	504721.98	3633225.90	0.40889
504771.98	3633225.90	0.39420	504821.98	3633225.90	0.38658
504871.98	3633225.90	0.37840	504921.98	3633225.90	0.37695
504971.98	3633225.90	0.35613	505021.98		

```
3633225.90        0.33633
         505071.98    3633225.90        0.32449                    505121.98
3633225.90        0.31473
         505171.98    3633225.90        0.30528                    505221.98
3633225.90        0.30256
         502221.98    3633275.90        3.19529                    502271.98
3633275.90        3.22885
         502321.98    3633275.90        3.26403                    502371.98
3633275.90        3.28876
         502421.98    3633275.90        3.29706                    502471.98
3633275.90        3.30094
         502521.98    3633275.90        3.30138                    502571.98
3633275.90        3.29504
         502621.98    3633275.90        3.29088                    502671.98
3633275.90        3.27902
         502721.98    3633275.90        3.26385                    502771.98
3633275.90        3.25670
         502821.98    3633275.90        3.26579                    502871.98
3633275.90        3.20696
         502921.98    3633275.90        3.15729                    502971.98
3633275.90        3.11410
         503021.98    3633275.90        3.07839                    503071.98
3633275.90        3.02450
         503121.98    3633275.90        2.96422                    503171.98
3633275.90        2.91535
         503221.98    3633275.90        2.87163                    503271.98
3633275.90        2.83945
         503321.98    3633275.90        2.77790                    503371.98
3633275.90        2.73049
         503421.98    3633275.90        2.65571                    503471.98
3633275.90        2.41714
         503621.98    3633275.90        2.02399                    503671.98
3633275.90        1.76677
         503721.98    3633275.90        1.41646                    503771.98
3633275.90        1.20477
         503821.98    3633275.90        1.05583                    503871.98
3633275.90        0.97294
         503921.98    3633275.90        0.90856                    503971.98
3633275.90        0.86704
         504021.98    3633275.90        0.80566                    504071.98
3633275.90        0.74935
         504121.98    3633275.90        0.71928                    504171.98
3633275.90        0.66978
         504221.98    3633275.90        0.62229                    504271.98
3633275.90        0.59279
         504321.98    3633275.90        0.58141                    504371.98
3633275.90        0.56845
         504421.98    3633275.90        0.52576                    504471.98
3633275.90        0.48836
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                  L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                  L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                  L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         502571.98    3633325.90        2.97245                    502621.98
3633325.90        2.96904
         502671.98    3633325.90        2.95974                    502721.98
3633325.90        2.94745
         502771.98    3633325.90        2.94818                    502821.98
3633325.90        2.92731
         502871.98    3633325.90        2.88149                    502921.98
3633325.90        2.84870
         502971.98    3633325.90        2.81472                    503021.98
3633325.90        2.77697
         503071.98    3633325.90        2.72845                    503121.98
3633325.90        2.67656
         503171.98    3633325.90        2.62685                    503221.98
3633325.90        2.57721
         503271.98    3633325.90        2.56590                    503321.98
3633325.90        2.51039
         503371.98    3633325.90        2.46311                    503421.98
3633325.90        2.39321
         503471.98    3633325.90        1.92480                    503621.98
3633325.90        1.74392
         503671.98    3633325.90        1.53337                    503721.98
3633325.90        1.25652
         503771.98    3633325.90        1.12532                    503821.98
3633325.90        1.00946
         503871.98    3633325.90        0.93362                    503921.98
3633325.90        0.90499
         503971.98    3633325.90        0.89145                    504021.98
3633325.90        0.82043
         504071.98    3633325.90        0.75213                    504121.98
3633325.90        0.73155
         504171.98    3633325.90        0.66028                    504221.98
3633325.90        0.60911
         504271.98    3633325.90        0.59017                    504321.98
3633325.90        0.59361
         504371.98    3633325.90        0.58049                    504421.98
3633325.90        0.52961
         504471.98    3633325.90        0.48668                    504521.98
3633325.90        0.45523
         504571.98    3633325.90        0.43821                    504621.98
3633325.90        0.42891
         504671.98    3633325.90        0.42428                    504721.98
3633325.90        0.40573
         504771.98    3633325.90        0.38130                    504821.98
3633325.90        0.37267
         504871.98    3633325.90        0.38119                    504921.98
3633325.90        0.38138
         504971.98    3633325.90        0.36297                    505021.98
3633325.90        0.34743
         505071.98    3633325.90        0.33751                    505121.98
3633325.90        0.31489
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3633375.90	2.69613	502571.98	3633375.90	2.69675
502621.98	3633375.90	2.69356	502671.98	3633375.90	2.68673
502721.98	3633375.90	2.67675	502771.98	3633375.90	2.66234
502821.98	3633375.90	2.64260	502871.98	3633375.90	2.61506
502921.98	3633375.90	2.58768	502971.98	3633375.90	2.55633
503021.98	3633375.90	2.52212	503071.98	3633375.90	2.47896
503121.98	3633375.90	2.43363	503171.98		

```
3633375.90        2.38694
         503221.98    3633375.90        2.34306                    503271.98
3633375.90        2.29237
         503321.98    3633375.90        2.25635                    503371.98
3633375.90        2.23579
         503421.98    3633375.90        2.16589                    503471.98
3633375.90        2.04813
         503621.98    3633375.90        1.70581                    503671.98
3633375.90        1.45543
         503721.98    3633375.90        1.21386                    503771.98
3633375.90        1.10083
         503821.98    3633375.90        1.02892                    503871.98
3633375.90        0.93606
         503921.98    3633375.90        0.92321                    503971.98
3633375.90        0.93047
         504021.98    3633375.90        0.84018                    504071.98
3633375.90        0.76364
         504121.98    3633375.90        0.74960                    504171.98
3633375.90        0.65274
         504221.98    3633375.90        0.61372                    504271.98
3633375.90        0.61093
         504321.98    3633375.90        0.61976                    504371.98
3633375.90        0.60252
         504421.98    3633375.90        0.53588                    504471.98
3633375.90        0.48484
         504521.98    3633375.90        0.45155                    504571.98
3633375.90        0.44010
         504621.98    3633375.90        0.43406                    504671.98
3633375.90        0.43364
         504721.98    3633375.90        0.40730                    504771.98
3633375.90        0.38059
         504821.98    3633375.90        0.37562                    504871.98
3633375.90        0.39326
         504921.98    3633375.90        0.38691                    504971.98
3633375.90        0.37200
         505021.98    3633375.90        0.35624                    505071.98
3633375.90        0.33297
         505121.98    3633375.90        0.30944                    505171.98
3633375.90        0.29640
         505221.98    3633375.90        0.29909                    502221.98
3633425.90        2.37000
         502271.98    3633425.90        2.39176                    502321.98
3633425.90        2.40796
         502371.98    3633425.90        2.42342                    502421.98
3633425.90        2.43813
         502471.98    3633425.90        2.46116                    502521.98
3633425.90        2.46314
         502571.98    3633425.90        2.46102                    502621.98
3633425.90        2.45821
         502671.98    3633425.90        2.44730                    502721.98
```

```
3633425.90        2.43527
         502771.98    3633425.90        2.42215                      502821.98
3633425.90        2.40353
         502871.98    3633425.90        2.38253                      502921.98
3633425.90        2.36214
         502971.98    3633425.90        2.33418                      503021.98
3633425.90        2.30011
         503071.98    3633425.90        2.26582                      503121.98
3633425.90        2.22119
         503171.98    3633425.90        2.18276                      503221.98
3633425.90        2.14172
         503271.98    3633425.90        2.09754                      503321.98
3633425.90        2.06695
         503371.98    3633425.90        2.05949                      503421.98
3633425.90        2.01096
         503471.98    3633425.90        1.95288                      503621.98
3633425.90        1.75356
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 518
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                 INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503671.98    3633425.90        1.52097                      503721.98
3633425.90        1.22313
         503771.98    3633425.90        1.09519                      503821.98
3633425.90        1.03113
```

503871.98 3633425.90 0.97156 503921.98 3633425.90 0.99236
503971.98 3633425.90 0.95936 504021.98 3633425.90 0.86030
504071.98 3633425.90 0.78786 504121.98 3633425.90 0.77749
504171.98 3633425.90 0.68072 504221.98 3633425.90 0.65818
504271.98 3633425.90 0.66876 504321.98 3633425.90 0.68237
504371.98 3633425.90 0.61327 504421.98 3633425.90 0.54136
504471.98 3633425.90 0.48848 504521.98 3633425.90 0.45226
504571.98 3633425.90 0.44527 504621.98 3633425.90 0.44749
504671.98 3633425.90 0.44144 504721.98 3633425.90 0.42364
504771.98 3633425.90 0.39708 504821.98 3633425.90 0.38150
504871.98 3633425.90 0.40295 504921.98 3633425.90 0.38924
504971.98 3633425.90 0.37039 505021.98 3633425.90 0.33834
505071.98 3633425.90 0.31653 505121.98 3633425.90 0.30222
505171.98 3633425.90 0.29555 505221.98 3633425.90 0.30230
502221.98 3633475.90 2.16756 502271.98 3633475.90 2.18659
502321.98 3633475.90 2.20341 502371.98 3633475.90 2.21875
502421.98 3633475.90 2.23300 502471.98 3633475.90 2.25731
502521.98 3633475.90 2.25227 502571.98 3633475.90 2.25085
502621.98 3633475.90 2.24997 502671.98 3633475.90 2.24063
504771.98 3633475.90 0.43454 504821.98 3633475.90 0.42423
504871.98 3633475.90 0.41090 504921.98 3633475.90 0.39881
504971.98 3633475.90 0.36833 505021.98 3633475.90 0.33083
505071.98 3633475.90 0.31137 505121.98 3633475.90 0.30009
505171.98 3633475.90 0.29362 505221.98 3633475.90 0.29918
502221.98 3633525.90 1.99732 502271.98 3633525.90 2.01436

```
         502321.98    3633525.90        2.02833                       502371.98
3633525.90        2.04708
         502421.98    3633525.90        2.06323                       502471.98
3633525.90        2.07885
         502521.98    3633525.90        2.07056                       502571.98
3633525.90        2.06004
         502621.98    3633525.90        2.06011                       502671.98
3633525.90        2.05460
         504771.98    3633525.90        0.43160                       504821.98
3633525.90        0.41470
         504871.98    3633525.90        0.40248                       504921.98
3633525.90        0.39273
         504971.98    3633525.90        0.38215                       505021.98
3633525.90        0.34939
         505071.98    3633525.90        0.31779                       505121.98
3633525.90        0.29796
         505171.98    3633525.90        0.29212                       505221.98
3633525.90        0.29487
         502221.98    3633575.90        1.85767                       502271.98
3633575.90        1.86015
         502321.98    3633575.90        1.87275                       502371.98
3633575.90        1.89122
         502421.98    3633575.90        1.90300                       502471.98
3633575.90        1.90671
         502521.98    3633575.90        1.90595                       502571.98
3633575.90        1.90367
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 519
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633575.90	1.90116	502671.98	3633575.90	1.89584
504771.98	3633575.90	0.42169	504821.98	3633575.90	0.40961
504871.98	3633575.90	0.40018	504921.98	3633575.90	0.38460
504971.98	3633575.90	0.38146	505021.98	3633575.90	0.36480
505071.98	3633575.90	0.33038	505121.98	3633575.90	0.30225
505171.98	3633575.90	0.29394	505221.98	3633575.90	0.29975
502221.98	3633625.90	1.72854	502271.98	3633625.90	1.72170
502321.98	3633625.90	1.73862	502371.98	3633625.90	1.75219
502421.98	3633625.90	1.76526	502471.98	3633625.90	1.76469
502521.98	3633625.90	1.77261	502571.98	3633625.90	1.77217
502621.98	3633625.90	1.76967	502671.98	3633625.90	1.76212
504771.98	3633625.90	0.41274	504821.98	3633625.90	0.41985
504871.98	3633625.90	0.39915	504921.98	3633625.90	0.38630
504971.98	3633625.90	0.38359	505021.98	3633625.90	0.37109
505071.98	3633625.90	0.33538	505121.98	3633625.90	0.30913
505171.98	3633625.90	0.29702	505221.98	3633625.90	0.30383
502221.98	3633675.90	1.59781	502271.98	3633675.90	1.59859
502321.98	3633675.90	1.61412	502371.98	3633675.90	1.62366
502421.98	3633675.90	1.63824	502471.98	3633675.90	1.64362
502521.98	3633675.90	1.64897	502571.98	3633675.90	1.64886
502621.98	3633675.90	1.64568	502671.98	3633675.90	1.63921
504771.98	3633675.90	0.42432	504821.98	3633675.90	0.41899
504871.98	3633675.90	0.41042	504921.98		

```
3633675.90        0.40101
         504971.98    3633675.90        0.39000                        505021.98
3633675.90        0.37398
         505071.98    3633675.90        0.33720                        505121.98
3633675.90        0.30569
         505171.98    3633675.90        0.29605                        505221.98
3633675.90        0.30240
         502221.98    3633725.90        1.48475                        502271.98
3633725.90        1.48888
         502321.98    3633725.90        1.50543                        502371.98
3633725.90        1.51659
         502421.98    3633725.90        1.52602                        502471.98
3633725.90        1.53265
         502521.98    3633725.90        1.53692                        502571.98
3633725.90        1.53806
         502621.98    3633725.90        1.53608                        502671.98
3633725.90        1.53000
         504771.98    3633725.90        0.45377                        504821.98
3633725.90        0.42833
         504871.98    3633725.90        0.41985                        504921.98
3633725.90        0.40463
         504971.98    3633725.90        0.38811                        505021.98
3633725.90        0.36484
         505071.98    3633725.90        0.32539                        505121.98
3633725.90        0.29825
         505171.98    3633725.90        0.29703                        505221.98
3633725.90        0.30013
         502221.98    3633775.90        1.38679                        502271.98
3633775.90        1.39162
         502321.98    3633775.90        1.41202                        502371.98
3633775.90        1.42044
         502421.98    3633775.90        1.43025                        502471.98
3633775.90        1.43186
         502521.98    3633775.90        1.43651                        502571.98
3633775.90        1.43835
```


*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW   ***

INCLUDING SOURCE(S):   L0000760   , L0000761 , L0000762   , L0000763   , L0000764   ,
L0000765   , L0000766   , L0000767   , L0000768   , L0000769 , L0000770   , L0000771   , L0000772   ,
L0000773   , L0000774   , L0000775   , L0000776   , L0000777

, L0000778   , L0000779   , L0000780   ,
                L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         502421.98    3633875.90        1.25645                        502471.98
3633875.90        1.25816
         502521.98    3633875.90        1.26322                        502571.98
3633875.90        1.26653
         502621.98    3633875.90        1.26641                        502671.98
3633875.90        1.26213
         504771.98    3633875.90        0.46412                        504821.98
3633875.90        0.43038
         504871.98    3633875.90        0.38206                        504921.98
3633875.90        0.35455
         504971.98    3633875.90        0.33446                        505021.98
3633875.90        0.31751
         505071.98    3633875.90        0.31045                        505121.98
3633875.90        0.29488
         505171.98    3633875.90        0.29406                        505221.98
3633875.90        0.29550
         502221.98    3633925.90        1.15125                        502271.98
3633925.90        1.15942
         502321.98    3633925.90        1.17041                        502371.98
3633925.90        1.17411
         502421.98    3633925.90        1.18371                        502471.98
3633925.90        1.18590
         502521.98    3633925.90        1.18949                        502571.98
3633925.90        1.19144
         502621.98    3633925.90        1.19150                        502671.98
3633925.90        1.18796
         504771.98    3633925.90        0.45243                        504821.98
3633925.90        0.41926
         504871.98    3633925.90        0.38692                        504921.98
3633925.90        0.34661
         504971.98    3633925.90        0.31720                        505021.98
3633925.90        0.30732
         505071.98    3633925.90        0.30028                        505121.98
3633925.90        0.29502
         505171.98    3633925.90        0.29584                        505221.98
3633925.90        0.29542
         502221.98    3633975.90        1.08765                        502271.98
3633975.90        1.09122
         502321.98    3633975.90        1.10044                        502371.98
3633975.90        1.10958
         502421.98    3633975.90        1.11612                        502471.98
3633975.90        1.11965
         502521.98    3633975.90        1.12312                        502571.98
3633975.90        1.12363
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633975.90	1.12381	502671.98	3633975.90	1.12022
504771.98	3633975.90	0.43486	504821.98	3633975.90	0.41129
504871.98	3633975.90	0.39004	504921.98	3633975.90	0.35531
504971.98	3633975.90	0.31212	505021.98	3633975.90	0.29570
505071.98	3633975.90	0.28822	505121.98	3633975.90	0.29524
505171.98	3633975.90	0.29732	505221.98	3633975.90	0.29562
502221.98	3634025.90	1.02884	502271.98	3634025.90	1.03140
502321.98	3634025.90	1.03920	502371.98	3634025.90	1.04754
502421.98	3634025.90	1.05297	502471.98	3634025.90	1.05680
502521.98	3634025.90	1.05945	502571.98	3634025.90	1.06091
502621.98	3634025.90	1.06168	502671.98	3634025.90	1.05951
504771.98	3634025.90	0.41652	504821.98	3634025.90	0.40579
504871.98	3634025.90	0.37384	504921.98	3634025.90	0.33875
504971.98	3634025.90	0.29911	505021.98		

3634025.90 0.28641
505071.98 3634025.90 0.28246 505121.98
3634025.90 0.29338
505171.98 3634025.90 0.29940 505221.98
3634025.90 0.29662
502221.98 3634075.90 0.97078 502271.98
3634075.90 0.97613
502321.98 3634075.90 0.98284 502371.98
3634075.90 0.98832
502421.98 3634075.90 0.99221 502471.98
3634075.90 0.99619
502521.98 3634075.90 1.00000 502571.98
3634075.90 1.00393
502621.98 3634075.90 1.00406 502671.98
3634075.90 1.00415
504771.98 3634075.90 0.40934 504821.98
3634075.90 0.39086
504871.98 3634075.90 0.34871 504921.98
3634075.90 0.31953
504971.98 3634075.90 0.29383 505021.98
3634075.90 0.28209
505071.98 3634075.90 0.28126 505121.98
3634075.90 0.29066
505171.98 3634075.90 0.29982 505221.98
3634075.90 0.29873
502221.98 3634125.90 0.91689 502271.98
3634125.90 0.92598
502321.98 3634125.90 0.93131 502371.98
3634125.90 0.93777
502421.98 3634125.90 0.94153 502471.98
3634125.90 0.94441
502521.98 3634125.90 0.94618 502571.98
3634125.90 0.94722
502621.98 3634125.90 0.95078 502671.98
3634125.90 0.95251
504771.98 3634125.90 0.37286 504821.98
3634125.90 0.35781
504871.98 3634125.90 0.33546 504921.98
3634125.90 0.30010
504971.98 3634125.90 0.29037 505021.98
3634125.90 0.28075
505071.98 3634125.90 0.28438 505121.98
3634125.90 0.29542
505171.98 3634125.90 0.30087 505221.98
3634125.90 0.30014
502221.98 3634175.90 0.86603 502271.98
3634175.90 0.87393
502321.98 3634175.90 0.87907 502371.98
3634175.90 0.89255
502421.98 3634175.90 0.89601 502471.98

```
3634175.90        0.89838
         502521.98    3634175.90        0.89908                      502571.98
3634175.90        0.89980
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 522
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                 L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                 L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                 L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634175.90        0.89964                      502671.98
3634175.90        0.90013
         504771.98    3634175.90        0.33235                      504821.98
3634175.90        0.31612
         504871.98    3634175.90        0.30364                      504921.98
3634175.90        0.29523
         504971.98    3634175.90        0.28764                      505021.98
3634175.90        0.28618
         505071.98    3634175.90        0.28045                      505121.98
3634175.90        0.29526
         505171.98    3634175.90        0.29971                      505221.98
3634175.90        0.30258
         502221.98    3634225.90        0.82449                      502271.98
3634225.90        0.82996
         502321.98    3634225.90        0.83940                      502371.98
3634225.90        0.84883
         502421.98    3634225.90        0.85313                      502471.98
3634225.90        0.85549
```

```
         502521.98    3634225.90        0.85573                    502571.98
3634225.90        0.85666
         502621.98    3634225.90        0.85607                    502671.98
3634225.90        0.85539
         504771.98    3634225.90        0.30250                    504821.98
3634225.90        0.29086
         504871.98    3634225.90        0.29446                    504921.98
3634225.90        0.28929
         504971.98    3634225.90        0.29748                    505021.98
3634225.90        0.28922
         505071.98    3634225.90        0.28188                    505121.98
3634225.90        0.29055
         505171.98    3634225.90        0.28505                    505221.98
3634225.90        0.29683
         502221.98    3634275.90        0.78631                    502271.98
3634275.90        0.79150
         502321.98    3634275.90        0.79863                    502371.98
3634275.90        0.80814
         502421.98    3634275.90        0.81182                    502471.98
3634275.90        0.81399
         502521.98    3634275.90        0.81552                    502571.98
3634275.90        0.81586
         502621.98    3634275.90        0.81623                    502671.98
3634275.90        0.81558
         504771.98    3634275.90        0.29058                    504821.98
3634275.90        0.28726
         504871.98    3634275.90        0.29012                    504921.98
3634275.90        0.29500
         504971.98    3634275.90        0.30906                    505021.98
3634275.90        0.29137
         505071.98    3634275.90        0.28409                    505121.98
3634275.90        0.29161
         505171.98    3634275.90        0.27718                    505221.98
3634275.90        0.29011
         502221.98    3634325.90        0.75180                    502271.98
3634325.90        0.75761
         502321.98    3634325.90        0.76215                    502371.98
3634325.90        0.76609
         502421.98    3634325.90        0.76906                    502471.98
3634325.90        0.77083
         502521.98    3634325.90        0.77228                    502571.98
3634325.90        0.77286
         502621.98    3634325.90        0.77267                    502671.98
3634325.90        0.77237
         504771.98    3634325.90        0.29497                    504821.98
3634325.90        0.30341
         504871.98    3634325.90        0.30565                    504921.98
3634325.90        0.31349
         504971.98    3634325.90        0.31764                    505021.98
3634325.90        0.29236
```

```
         505071.98    3634325.90        0.28467                      505121.98
3634325.90        0.29651
         505171.98    3634325.90        0.28189                      505221.98
3634325.90        0.28242
         502221.98    3634375.90        0.72093                      502271.98
3634375.90        0.72616
         502321.98    3634375.90        0.72850                      502371.98
3634375.90        0.73063
         502421.98    3634375.90        0.73524                      502471.98
3634375.90        0.73905
         502521.98    3634375.90        0.74286                      502571.98
3634375.90        0.74353
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 523
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                 INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634375.90        0.74100                      502671.98
3634375.90        0.73672
         504771.98    3634375.90        0.30536                      504821.98
3634375.90        0.32458
         504871.98    3634375.90        0.32453                      504921.98
3634375.90        0.32982
         504971.98    3634375.90        0.32160                      505021.98
3634375.90        0.29473
         505071.98    3634375.90        0.28988                      505121.98
```

3634375.90 0.30259
505171.98 3634375.90 0.28994 505221.98
3634375.90 0.28102
502221.98 3634425.90 0.69343 502271.98
3634425.90 0.69850
502321.98 3634425.90 0.70210 502371.98
3634425.90 0.70511
502421.98 3634425.90 0.70787 502471.98
3634425.90 0.70919
502521.98 3634425.90 0.71075 502571.98
3634425.90 0.71120
502621.98 3634425.90 0.71114 502671.98
3634425.90 0.71014
504771.98 3634425.90 0.30789 504821.98
3634425.90 0.32348
504871.98 3634425.90 0.34376 504921.98
3634425.90 0.34946
504971.98 3634425.90 0.32721 505021.98
3634425.90 0.31457
505071.98 3634425.90 0.31423 505121.98
3634425.90 0.30989
505171.98 3634425.90 0.29701 505221.98
3634425.90 0.28530
502221.98 3634475.90 0.66445 502271.98
3634475.90 0.66882
502321.98 3634475.90 0.67239 502371.98
3634475.90 0.67536
502421.98 3634475.90 0.67769 502471.98
3634475.90 0.67912
502521.98 3634475.90 0.68067 502571.98
3634475.90 0.68122
502621.98 3634475.90 0.68109 502671.98
3634475.90 0.68042
504771.98 3634475.90 0.31432 504821.98
3634475.90 0.31544
504871.98 3634475.90 0.33877 504921.98
3634475.90 0.35521
504971.98 3634475.90 0.34288 505021.98
3634475.90 0.33281
505071.98 3634475.90 0.32568 505121.98
3634475.90 0.31521
505171.98 3634475.90 0.30279 505221.98
3634475.90 0.29078
502221.98 3634525.90 0.63743 502271.98
3634525.90 0.64108
502321.98 3634525.90 0.64435 502371.98
3634525.90 0.64723
502421.98 3634525.90 0.64932 502471.98
3634525.90 0.65100
502521.98 3634525.90 0.65199 502571.98

3634525.90   0.65276
         502621.98   3634525.90   0.65286   502671.98
3634525.90   0.65316
         504771.98   3634525.90   0.34241   504821.98
3634525.90   0.32887
         504871.98   3634525.90   0.34449   504921.98
3634525.90   0.35162
         504971.98   3634525.90   0.34119   505021.98
3634525.90   0.33376
         505071.98   3634525.90   0.32610   505121.98
3634525.90   0.31619
         505171.98   3634525.90   0.30326   505221.98
3634525.90   0.28904
         502221.98   3634575.90   0.61298   502271.98
3634575.90   0.61522
         502321.98   3634575.90   0.61798   502371.98
3634575.90   0.62056
         502421.98   3634575.90   0.62272   502471.98
3634575.90   0.62446
         502521.98   3634575.90   0.62548   502571.98
3634575.90   0.62613

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                 INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                  L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                  L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                  L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         502621.98    3634575.90        0.62634                    502671.98
3634575.90        0.62651
         504771.98    3634575.90        0.37233                    504821.98
3634575.90        0.36073
         504871.98    3634575.90        0.35482                    504921.98
3634575.90        0.33807
         504971.98    3634575.90        0.33135                    505021.98
3634575.90        0.32786
         505071.98    3634575.90        0.32155                    505121.98
3634575.90        0.31307
         505171.98    3634575.90        0.29437                    505221.98
3634575.90        0.28037
         502221.98    3634625.90        0.58911                    502271.98
3634625.90        0.59204
         502321.98    3634625.90        0.59336                    502371.98
3634625.90        0.59566
         502421.98    3634625.90        0.59756                    502471.98
3634625.90        0.59919
         502521.98    3634625.90        0.60105                    502571.98
3634625.90        0.60162
         502621.98    3634625.90        0.60186                    502671.98
3634625.90        0.60144
         504771.98    3634625.90        0.35331                    504821.98
3634625.90        0.34347
         504871.98    3634625.90        0.33641                    504921.98
3634625.90        0.32971
         504971.98    3634625.90        0.32518                    505021.98
3634625.90        0.32262
         505071.98    3634625.90        0.31723                    505121.98
3634625.90        0.30808
         505171.98    3634625.90        0.28434                    505221.98
3634625.90        0.26814
         502221.98    3634675.90        0.56587                    502271.98
3634675.90        0.56964
         502321.98    3634675.90        0.57240                    502371.98
3634675.90        0.57423
         502421.98    3634675.90        0.57607                    502471.98
3634675.90        0.57743
         502521.98    3634675.90        0.57830                    502571.98
3634675.90        0.57898
         502621.98    3634675.90        0.57913                    502671.98
3634675.90        0.57841
         504771.98    3634675.90        0.34126                    504821.98
3634675.90        0.33464
         504871.98    3634675.90        0.32989                    504921.98
3634675.90        0.32341
         504971.98    3634675.90        0.31743                    505021.98
3634675.90        0.31744
         505071.98    3634675.90        0.31202                    505121.98
3634675.90        0.30238
```

```
         505171.98    3634675.90        0.28260                      505221.98
3634675.90        0.26451
         502221.98    3634725.90        0.54458                      502271.98
3634725.90        0.54779
         502321.98    3634725.90        0.54946                      502371.98
3634725.90        0.55150
         502421.98    3634725.90        0.55402                      502471.98
3634725.90        0.55551
         502521.98    3634725.90        0.55612                      502571.98
3634725.90        0.55700
         502621.98    3634725.90        0.55706                      502671.98
3634725.90        0.55704
         504771.98    3634725.90        0.33393                      504821.98
3634725.90        0.32756
         504871.98    3634725.90        0.32206                      504921.98
3634725.90        0.31737
         504971.98    3634725.90        0.31424                      505021.98
3634725.90        0.31590
         505071.98    3634725.90        0.30581                      505121.98
3634725.90        0.29411
         505171.98    3634725.90        0.27030                      505221.98
3634725.90        0.25856
         502221.98    3634775.90        0.52560                      502271.98
3634775.90        0.52864
         502321.98    3634775.90        0.52927                      502371.98
3634775.90        0.53082
         502421.98    3634775.90        0.53221                      502471.98
3634775.90        0.53366
         502521.98    3634775.90        0.53581                      502571.98
3634775.90        0.53614
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 525
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634775.90	0.53633	502671.98	3634775.90	0.53634
504771.98	3634775.90	0.32679	504821.98	3634775.90	0.32119
504871.98	3634775.90	0.31571	504921.98	3634775.90	0.31245
504971.98	3634775.90	0.31719	505021.98	3634775.90	0.30797
505071.98	3634775.90	0.29847	505121.98	3634775.90	0.28799
505171.98	3634775.90	0.26172	505221.98	3634775.90	0.24620
502221.98	3634825.90	0.50727	502271.98	3634825.90	0.50984
502321.98	3634825.90	0.51146	502371.98	3634825.90	0.51304
502421.98	3634825.90	0.51376	502471.98	3634825.90	0.51403
502521.98	3634825.90	0.51630	502571.98	3634825.90	0.51703
502621.98	3634825.90	0.51712	502671.98	3634825.90	0.51676
504771.98	3634825.90	0.31984	504821.98	3634825.90	0.31482
504871.98	3634825.90	0.31066	504921.98	3634825.90	0.31201
504971.98	3634825.90	0.31094	505021.98	3634825.90	0.28355
505071.98	3634825.90	0.27862	505121.98	3634825.90	0.27250
505171.98	3634825.90	0.24989	505221.98	3634825.90	0.23662
502221.98	3634875.90	0.49066	502271.98	3634875.90	0.49169
502321.98	3634875.90	0.49340	502371.98	3634875.90	0.49512
502421.98	3634875.90	0.49639	502471.98	3634875.90	0.49732
502521.98	3634875.90	0.49798	502571.98	3634875.90	0.49844
502621.98	3634875.90	0.49864	502671.98		

3634875.90   0.49856
         504771.98   3634875.90   0.31321   504821.98
3634875.90   0.30805
         504871.98   3634875.90   0.30441   504921.98
3634875.90   0.31064
         504971.98   3634875.90   0.30273   505021.98
3634875.90   0.27069
         505071.98   3634875.90   0.24924   505121.98
3634875.90   0.25066
         505171.98   3634875.90   0.23890   505221.98
3634875.90   0.23341
         502221.98   3634925.90   0.47379   502271.98
3634925.90   0.47479
         502321.98   3634925.90   0.47653   502371.98
3634925.90   0.47795
         502421.98   3634925.90   0.47919   502471.98
3634925.90   0.47979
         502521.98   3634925.90   0.48061   502571.98
3634925.90   0.48101
         502621.98   3634925.90   0.48101   502671.98
3634925.90   0.48112
         504771.98   3634925.90   0.30677   504821.98
3634925.90   0.30195
         504871.98   3634925.90   0.29783   504921.98
3634925.90   0.30177
         504971.98   3634925.90   0.30312   505021.98
3634925.90   0.26878
         505071.98   3634925.90   0.24244   505121.98
3634925.90   0.24189
         505171.98   3634925.90   0.23448   505221.98
3634925.90   0.23217
         502221.98   3634975.90   0.45784   502271.98
3634975.90   0.45891
         502321.98   3634975.90   0.46018   502371.98
3634975.90   0.46159
         502421.98   3634975.90   0.46270   502471.98
3634975.90   0.46342
         502521.98   3634975.90   0.46418   502571.98
3634975.90   0.46442

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                 INCLUDING SOURCE(S):   L0000760   , L0000761

```
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502621.98    3634975.90        0.46452                     502671.98
3634975.90        0.46442
         504821.98    3634975.90        0.29587                     504871.98
3634975.90        0.29140
         504921.98    3634975.90        0.29021                     504971.98
3634975.90        0.30058
         505021.98    3634975.90        0.27631                     505071.98
3634975.90        0.25240
         505121.98    3634975.90        0.25744                     505171.98
3634975.90        0.25035
         505221.98    3634975.90        0.24120                     502221.98
3635025.90        0.44272
         502271.98    3635025.90        0.44366                     502321.98
3635025.90        0.44504
         502371.98    3635025.90        0.44619                     502421.98
3635025.90        0.44739
         502471.98    3635025.90        0.44818                     502521.98
3635025.90        0.44883
         502571.98    3635025.90        0.44906                     502621.98
3635025.90        0.44912
         502671.98    3635025.90        0.44882                     504871.98
3635025.90        0.28557
         504921.98    3635025.90        0.28435                     504971.98
3635025.90        0.29499
         505021.98    3635025.90        0.28171                     505071.98
3635025.90        0.26759
         505121.98    3635025.90        0.27093                     505171.98
3635025.90        0.26542
         505221.98    3635025.90        0.25495                     502221.98
3635075.90        0.42795
         502271.98    3635075.90        0.42908                     502321.98
3635075.90        0.43094
```

```
         502371.98    3635075.90        0.43197                    502421.98
3635075.90        0.43315
         502471.98    3635075.90        0.43396                    502521.98
3635075.90        0.43443
         502571.98    3635075.90        0.43455                    502621.98
3635075.90        0.43438
         502671.98    3635075.90        0.43421                    504921.98
3635075.90        0.27647
         504971.98    3635075.90        0.27637                    505021.98
3635075.90        0.28667
         505071.98    3635075.90        0.28026                    505121.98
3635075.90        0.27507
         505171.98    3635075.90        0.26699                    505221.98
3635075.90        0.26401
         502221.98    3635125.90        0.41450                    502271.98
3635125.90        0.41539
         502321.98    3635125.90        0.41720                    502371.98
3635125.90        0.41835
         502421.98    3635125.90        0.41936                    502471.98
3635125.90        0.42022
         502521.98    3635125.90        0.42058                    502571.98
3635125.90        0.42068
         502621.98    3635125.90        0.42063                    502671.98
3635125.90        0.42031
         505021.98    3635125.90        0.26647                    505071.98
3635125.90        0.26487
         505121.98    3635125.90        0.25711                    505171.98
3635125.90        0.25110
         505221.98    3635125.90        0.25287                    502221.98
3635175.90        0.40172
         502271.98    3635175.90        0.40261                    502321.98
3635175.90        0.40425
         502371.98    3635175.90        0.40544                    502421.98
3635175.90        0.40640
         502471.98    3635175.90        0.40716                    502521.98
3635175.90        0.40765
         502571.98    3635175.90        0.40770                    502621.98
3635175.90        0.40747
         502671.98    3635175.90        0.40730                    505121.98
3635175.90        0.24920
         505171.98    3635175.90        0.24537                    505221.98
3635175.90        0.24224
         502221.98    3635225.90        0.38940                    502271.98
3635225.90        0.39058
         502321.98    3635225.90        0.39179                    502371.98
3635225.90        0.39289
         502421.98    3635225.90        0.39380                    502471.98
3635225.90        0.39448
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3635225.90	0.39488	502571.98	3635225.90	0.39504
502621.98	3635225.90	0.39508	502671.98	3635225.90	0.39480
502221.98	3635275.90	0.37795	502271.98	3635275.90	0.37883
502321.98	3635275.90	0.38020	502371.98	3635275.90	0.38123
502421.98	3635275.90	0.38200	502471.98	3635275.90	0.38264
502521.98	3635275.90	0.38323	502571.98	3635275.90	0.38325
502621.98	3635275.90	0.38324	502671.98	3635275.90	0.38310
502221.98	3635325.90	0.36683	502271.98	3635325.90	0.36773
502321.98	3635325.90	0.36895	502371.98	3635325.90	0.36997
502421.98	3635325.90	0.37079	502471.98	3635325.90	0.37139
502521.98	3635325.90	0.37177	502571.98	3635325.90	0.37187
502621.98	3635325.90	0.37191	502671.98		

3635325.90 0.37182
502221.98 3635375.90 0.35608 502271.98
3635375.90 0.35708
502321.98 3635375.90 0.35820 502371.98
3635375.90 0.35913
502421.98 3635375.90 0.35993 502471.98
3635375.90 0.36052
502521.98 3635375.90 0.36078 502571.98
3635375.90 0.36098
502621.98 3635375.90 0.36104 502671.98
3635375.90 0.36092
502221.98 3635425.90 0.34597 502271.98
3635425.90 0.34685
502321.98 3635425.90 0.34787 502371.98
3635425.90 0.34871
502421.98 3635425.90 0.34946 502471.98
3635425.90 0.35006
502521.98 3635425.90 0.35041 502571.98
3635425.90 0.35057
502621.98 3635425.90 0.35064 502671.98
3635425.90 0.35056
504771.98 3635425.90 0.25095 502221.98
3635475.90 0.33616
502271.98 3635475.90 0.33713 502321.98
3635475.90 0.33805
502371.98 3635475.90 0.33884 502421.98
3635475.90 0.33954
502471.98 3635475.90 0.34121 502521.98
3635475.90 0.34040
502571.98 3635475.90 0.34060 502621.98
3635475.90 0.34066
502671.98 3635475.90 0.34076 504771.98
3635475.90 0.24639
504821.98 3635475.90 0.24314 504871.98
3635475.90 0.24007
504921.98 3635475.90 0.23691 502221.98
3635525.90 0.32768
502271.98 3635525.90 0.32780 502321.98
3635525.90 0.32866
502371.98 3635525.90 0.32937 502421.98
3635525.90 0.33005
502471.98 3635525.90 0.33106 502521.98
3635525.90 0.33089
502571.98 3635525.90 0.33113 502621.98
3635525.90 0.33201
502671.98 3635525.90 0.33365 502721.98
3635525.90 0.33464
502771.98 3635525.90 0.33457 502821.98
3635525.90 0.33428
502871.98 3635525.90 0.33294 502921.98

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503271.98	3635525.90	0.32070	503321.98	3635525.90	0.31910
503371.98	3635525.90	0.31883	503421.98	3635525.90	0.31678
503471.98	3635525.90	0.31882	503521.98	3635525.90	0.31773
503571.98	3635525.90	0.31086	503621.98	3635525.90	0.30667
503671.98	3635525.90	0.30434	503721.98	3635525.90	0.30219
503771.98	3635525.90	0.29991	503821.98	3635525.90	0.29863
503871.98	3635525.90	0.29472	503921.98	3635525.90	0.29265

503971.98 3635525.90 0.29077 504021.98
3635525.90 0.28634
504071.98 3635525.90 0.28321 504121.98
3635525.90 0.28034
504171.98 3635525.90 0.27750 504221.98
3635525.90 0.27442
504271.98 3635525.90 0.27163 504321.98
3635525.90 0.26867
504371.98 3635525.90 0.26565 504421.98
3635525.90 0.26264
504471.98 3635525.90 0.25956 504521.98
3635525.90 0.25654
504571.98 3635525.90 0.25365 504621.98
3635525.90 0.25065
504671.98 3635525.90 0.24764 504721.98
3635525.90 0.24474
504771.98 3635525.90 0.24170 504821.98
3635525.90 0.23869
504871.98 3635525.90 0.23574 504921.98
3635525.90 0.23253
504971.98 3635525.90 0.22964 505021.98
3635525.90 0.22683
505071.98 3635525.90 0.22385 505121.98
3635525.90 0.22086
505171.98 3635525.90 0.21785 505221.98
3635525.90 0.21488
502221.98 3635575.90 0.32036 502271.98
3635575.90 0.31887
502321.98 3635575.90 0.31964 502371.98
3635575.90 0.32043
502421.98 3635575.90 0.32152 502471.98
3635575.90 0.32211
502521.98 3635575.90 0.32195 502571.98
3635575.90 0.32259
502621.98 3635575.90 0.32401 502671.98
3635575.90 0.32562
502721.98 3635575.90 0.32656 502771.98
3635575.90 0.32585
502821.98 3635575.90 0.32559 502871.98
3635575.90 0.32517
502921.98 3635575.90 0.32463 502971.98
3635575.90 0.32470
503021.98 3635575.90 0.32402 503071.98
3635575.90 0.31763
503121.98 3635575.90 0.31555 503171.98
3635575.90 0.31426
503221.98 3635575.90 0.31911 503271.98
3635575.90 0.32045
503321.98 3635575.90 0.31891 503371.98
3635575.90 0.31862

```
         503421.98    3635575.90        0.31668                      503471.98
3635575.90        0.31883
         503521.98    3635575.90        0.31743                      503571.98
3635575.90        0.30938
         503621.98    3635575.90        0.30074                      503671.98
3635575.90        0.29707
         503721.98    3635575.90        0.29482                      503771.98
3635575.90        0.29295
         503821.98    3635575.90        0.29009                      503871.98
3635575.90        0.28805
         503921.98    3635575.90        0.28589                      503971.98
3635575.90        0.28382
         504021.98    3635575.90        0.27931                      504071.98
3635575.90        0.27662
         504121.98    3635575.90        0.27395                      504171.98
3635575.90        0.27125
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 529
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                 L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                 L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                 L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         504221.98    3635575.90        0.26846                      504271.98
3635575.90        0.26555
         504321.98    3635575.90        0.26280                      504371.98
3635575.90        0.25999
         504421.98    3635575.90        0.25715                      504471.98
```

3635575.90 0.25418
504521.98 3635575.90 0.25134 504571.98
3635575.90 0.24841
504621.98 3635575.90 0.24566 504671.98
3635575.90 0.24277
504721.98 3635575.90 0.23990 504771.98
3635575.90 0.23709
504821.98 3635575.90 0.23424 504871.98
3635575.90 0.23132
504921.98 3635575.90 0.22829 504971.98
3635575.90 0.22556
505021.98 3635575.90 0.22283 505071.98
3635575.90 0.22001
505121.98 3635575.90 0.21821 505171.98
3635575.90 0.21430
505221.98 3635575.90 0.21165 502221.98
3635625.90 0.31473
502271.98 3635625.90 0.31182 502321.98
3635625.90 0.31193
502371.98 3635625.90 0.31214 502421.98
3635625.90 0.31531
502471.98 3635625.90 0.31681 502521.98
3635625.90 0.31782
502571.98 3635625.90 0.31558 502621.98
3635625.90 0.31531
502671.98 3635625.90 0.31731 502721.98
3635625.90 0.31904
502771.98 3635625.90 0.31960 502821.98
3635625.90 0.32054
502871.98 3635625.90 0.32148 502921.98
3635625.90 0.32219
502971.98 3635625.90 0.32294 503021.98
3635625.90 0.32362
503071.98 3635625.90 0.32320 503121.98
3635625.90 0.32235
503171.98 3635625.90 0.32242 503221.98
3635625.90 0.32353
503271.98 3635625.90 0.32137 503321.98
3635625.90 0.31915
503371.98 3635625.90 0.31463 503421.98
3635625.90 0.31271
503471.98 3635625.90 0.31855 503521.98
3635625.90 0.31775
503571.98 3635625.90 0.30778 503621.98
3635625.90 0.29886
503671.98 3635625.90 0.29531 503721.98
3635625.90 0.29231
503771.98 3635625.90 0.28948 503821.98
3635625.90 0.28607
503871.98 3635625.90 0.28072 503921.98

3635625.90   0.27840
         503971.98   3635625.90   0.27631   504021.98
3635625.90   0.27290
         504071.98   3635625.90   0.27031   504121.98
3635625.90   0.26777
         504171.98   3635625.90   0.26519   504221.98
3635625.90   0.26262
         504271.98   3635625.90   0.25995   504321.98
3635625.90   0.25712
         504371.98   3635625.90   0.25444   504421.98
3635625.90   0.25179
         504471.98   3635625.90   0.24901   504521.98
3635625.90   0.24626
         504571.98   3635625.90   0.24344   504621.98
3635625.90   0.24074
         504671.98   3635625.90   0.23798   504721.98
3635625.90   0.23527
         504771.98   3635625.90   0.23261   504821.98
3635625.90   0.22987
         504871.98   3635625.90   0.22707   504921.98
3635625.90   0.22417
         504971.98   3635625.90   0.22158   505021.98
3635625.90   0.21868
         505071.98   3635625.90   0.21595   505121.98
3635625.90   0.21353

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                              INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                 L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                 L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                 L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505171.98	3635625.90	0.21077	505221.98	3635625.90	0.20805
502221.98	3635675.90	0.31095	502271.98	3635675.90	0.30647
502321.98	3635675.90	0.30693	502371.98	3635675.90	0.30684
502421.98	3635675.90	0.30893	502471.98	3635675.90	0.30985
502521.98	3635675.90	0.31038	502571.98	3635675.90	0.30950
502621.98	3635675.90	0.30901	502671.98	3635675.90	0.30960
502721.98	3635675.90	0.31200	502771.98	3635675.90	0.31620
502821.98	3635675.90	0.31743	502871.98	3635675.90	0.31956
502921.98	3635675.90	0.32637	502971.98	3635675.90	0.32490
503021.98	3635675.90	0.32837	503071.98	3635675.90	0.32833
503121.98	3635675.90	0.32930	503171.98	3635675.90	0.32945
503221.98	3635675.90	0.32526	503271.98	3635675.90	0.32286
503321.98	3635675.90	0.32193	503371.98	3635675.90	0.31892
503421.98	3635675.90	0.31343	503471.98	3635675.90	0.31490
503521.98	3635675.90	0.31513	503571.98	3635675.90	0.30416
503621.98	3635675.90	0.29570	503671.98	3635675.90	0.29041
503721.98	3635675.90	0.28878	503771.98	3635675.90	0.28620
503821.98	3635675.90	0.28113	503871.98	3635675.90	0.27606
503921.98	3635675.90	0.27484	503971.98	3635675.90	0.27113
504021.98	3635675.90	0.26684	504071.98	3635675.90	0.26428
504121.98	3635675.90	0.26180	504171.98	3635675.90	0.25933
504221.98	3635675.90	0.25686	504271.98	3635675.90	0.25436
504321.98	3635675.90	0.25176	504371.98	3635675.90	0.24910

```
         504421.98    3635675.90        0.24651                        504471.98
3635675.90        0.24398
         504521.98    3635675.90        0.24142                        504571.98
3635675.90        0.23867
         504621.98    3635675.90        0.23612                        504671.98
3635675.90        0.23340
         504721.98    3635675.90        0.23074                        504771.98
3635675.90        0.22844
         504821.98    3635675.90        0.22561                        504871.98
3635675.90        0.22293
         504921.98    3635675.90        0.22017                        504971.98
3635675.90        0.21768
         505021.98    3635675.90        0.21501                        505071.98
3635675.90        0.21228
         505121.98    3635675.90        0.20995                        505171.98
3635675.90        0.20735
         505221.98    3635675.90        0.20471                        502221.98
3635725.90        0.30590
         502271.98    3635725.90        0.30102                        502321.98
3635725.90        0.29985
         502371.98    3635725.90        0.29917                        502421.98
3635725.90        0.30180
         502471.98    3635725.90        0.30248                        502521.98
3635725.90        0.30419
         502571.98    3635725.90        0.30191                        502621.98
3635725.90        0.30120
         502671.98    3635725.90        0.30296                        502721.98
3635725.90        0.30500
         502771.98    3635725.90        0.30894                        502821.98
3635725.90        0.31205
         502871.98    3635725.90        0.31428                        502921.98
3635725.90        0.32329
         502971.98    3635725.90        0.32470                        503021.98
3635725.90        0.32797
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 531
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
```

L0000781 , L0000782 , L0000783 , L0000784 , L0000785
, L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503071.98	3635725.90	0.32659	503121.98	3635725.90	0.32825
503171.98	3635725.90	0.32765	503221.98	3635725.90	0.32177
503271.98	3635725.90	0.32020	503321.98	3635725.90	0.31967
503371.98	3635725.90	0.31775	503421.98	3635725.90	0.31077
503471.98	3635725.90	0.30815	503521.98	3635725.90	0.30686
503571.98	3635725.90	0.29670	503621.98	3635725.90	0.29296
503671.98	3635725.90	0.28549	503721.98	3635725.90	0.28451
503771.98	3635725.90	0.28134	503821.98	3635725.90	0.27601
503871.98	3635725.90	0.27109	503921.98	3635725.90	0.26912
503971.98	3635725.90	0.26636	504021.98	3635725.90	0.26103
504071.98	3635725.90	0.25857	504121.98	3635725.90	0.25608
504171.98	3635725.90	0.25373	504221.98	3635725.90	0.25153
504271.98	3635725.90	0.24912	504321.98	3635725.90	0.24650
504371.98	3635725.90	0.24403	504421.98	3635725.90	0.24150
504471.98	3635725.90	0.23910	504521.98	3635725.90	0.23664
504571.98	3635725.90	0.23405	504621.98	3635725.90	0.23155
504671.98	3635725.90	0.22903	504721.98	3635725.90	0.22640
504771.98	3635725.90	0.22385	504821.98	3635725.90	0.22137
504871.98	3635725.90	0.21879	504921.98		

3635725.90   0.21625
         504971.98   3635725.90   0.21386   505021.98
3635725.90   0.21142
         505071.98   3635725.90   0.20878   505121.98
3635725.90   0.20644
         505171.98   3635725.90   0.20395   505221.98
3635725.90   0.20143
         502221.98   3635775.90   0.30036   502271.98
3635775.90   0.29443
         502321.98   3635775.90   0.29362   502371.98
3635775.90   0.29245
         502421.98   3635775.90   0.29473   502471.98
3635775.90   0.29583
         502521.98   3635775.90   0.29708   502571.98
3635775.90   0.29701
         502621.98   3635775.90   0.29741   502671.98
3635775.90   0.29844
         502721.98   3635775.90   0.29788   502771.98
3635775.90   0.29939
         502821.98   3635775.90   0.30346   502871.98
3635775.90   0.30764
         502921.98   3635775.90   0.31652   502971.98
3635775.90   0.31763
         503021.98   3635775.90   0.32253   503071.98
3635775.90   0.32230
         503121.98   3635775.90   0.32249   503171.98
3635775.90   0.32071
         503221.98   3635775.90   0.32831   503271.98
3635775.90   0.33032
         503321.98   3635775.90   0.32695   503371.98
3635775.90   0.31842
         503421.98   3635775.90   0.30992   503471.98
3635775.90   0.30567
         503521.98   3635775.90   0.30861   503571.98
3635775.90   0.29938
         503621.98   3635775.90   0.29416   503671.98
3635775.90   0.28440
         503721.98   3635775.90   0.27806   503771.98
3635775.90   0.27618
         503821.98   3635775.90   0.27210   503871.98
3635775.90   0.26950
         503921.98   3635775.90   0.26954   503971.98
3635775.90   0.26468

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***

INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504021.98	3635775.90	0.25601	504071.98	3635775.90	0.25484
504121.98	3635775.90	0.25088	504171.98	3635775.90	0.24860
504221.98	3635775.90	0.24639	504271.98	3635775.90	0.24409
504321.98	3635775.90	0.24154	504371.98	3635775.90	0.23907
504421.98	3635775.90	0.23666	504471.98	3635775.90	0.23435
504521.98	3635775.90	0.23197	504571.98	3635775.90	0.22951
504621.98	3635775.90	0.22712	504671.98	3635775.90	0.22466
504721.98	3635775.90	0.22218	504771.98	3635775.90	0.21975
504821.98	3635775.90	0.21731	504871.98	3635775.90	0.21487
504921.98	3635775.90	0.21243	504971.98	3635775.90	0.21015
505021.98	3635775.90	0.20781	505071.98	3635775.90	0.20526
505121.98	3635775.90	0.20296	505171.98	3635775.90	0.20059
505221.98	3635775.90	0.19822	502221.98	3635825.90	0.29456
502271.98	3635825.90	0.28821	502321.98	3635825.90	0.28732

```
         502371.98    3635825.90        0.28567                    502421.98
3635825.90        0.28833
         502471.98    3635825.90        0.28908                    502521.98
3635825.90        0.29081
         502571.98    3635825.90        0.29034                    502621.98
3635825.90        0.29071
         502671.98    3635825.90        0.29154                    502721.98
3635825.90        0.29283
         502771.98    3635825.90        0.29349                    502821.98
3635825.90        0.29712
         502871.98    3635825.90        0.30095                    502921.98
3635825.90        0.30964
         502971.98    3635825.90        0.31020                    503021.98
3635825.90        0.31719
         503071.98    3635825.90        0.31882                    503121.98
3635825.90        0.31796
         503171.98    3635825.90        0.31611                    503221.98
3635825.90        0.32379
         503271.98    3635825.90        0.32370                    503321.98
3635825.90        0.32124
         503371.98    3635825.90        0.31243                    503421.98
3635825.90        0.30749
         503471.98    3635825.90        0.30286                    503521.98
3635825.90        0.31404
         503571.98    3635825.90        0.30973                    503621.98
3635825.90        0.29987
         503671.98    3635825.90        0.28526                    503721.98
3635825.90        0.27706
         503771.98    3635825.90        0.27139                    503821.98
3635825.90        0.26872
         503871.98    3635825.90        0.26587                    503921.98
3635825.90        0.26458
         503971.98    3635825.90        0.26243                    504021.98
3635825.90        0.25283
         504071.98    3635825.90        0.25383                    504121.98
3635825.90        0.25061
         504171.98    3635825.90        0.24537                    504221.98
3635825.90        0.24278
         504271.98    3635825.90        0.24157                    504321.98
3635825.90        0.23734
         504371.98    3635825.90        0.23438                    504421.98
3635825.90        0.23205
         504471.98    3635825.90        0.22981                    504521.98
3635825.90        0.22762
         504571.98    3635825.90        0.22517                    504621.98
3635825.90        0.22285
         504671.98    3635825.90        0.22043                    504721.98
3635825.90        0.21804
         504771.98    3635825.90        0.21570                    504821.98
3635825.90        0.21340
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                  L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                  L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                  L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         504971.98   3635825.90   0.20647   505021.98
3635825.90   0.20416
         505071.98   3635825.90   0.20191   505121.98
3635825.90   0.19958
         505171.98   3635825.90   0.19732   505221.98
3635825.90   0.19505
         502221.98   3635875.90   0.28820   502271.98
3635875.90   0.28167
         502321.98   3635875.90   0.28007   502371.98
3635875.90   0.27938
         502421.98   3635875.90   0.28192   502471.98
3635875.90   0.28289
         502521.98   3635875.90   0.28524   502571.98
3635875.90   0.28494
         502621.98   3635875.90   0.28730   502671.98
3635875.90   0.28809
         502721.98   3635875.90   0.28822   502771.98
3635875.90   0.28868
         502821.98   3635875.90   0.29201   502871.98

3635875.90 0.29523
502921.98 3635875.90 0.30527 502971.98
3635875.90 0.30535
503021.98 3635875.90 0.31135 503071.98
3635875.90 0.31267
503121.98 3635875.90 0.31227 503171.98
3635875.90 0.31056
503221.98 3635875.90 0.31258 503271.98
3635875.90 0.31458
503321.98 3635875.90 0.30921 503371.98
3635875.90 0.30710
503421.98 3635875.90 0.30257 503471.98
3635875.90 0.30187
503521.98 3635875.90 0.31403 503571.98
3635875.90 0.30473
503621.98 3635875.90 0.29251 503671.98
3635875.90 0.27869
503721.98 3635875.90 0.27175 503771.98
3635875.90 0.26753
503821.98 3635875.90 0.26556 503871.98
3635875.90 0.26493
503921.98 3635875.90 0.26139 503971.98
3635875.90 0.25807
504021.98 3635875.90 0.25099 504071.98
3635875.90 0.25160
504121.98 3635875.90 0.24811 504171.98
3635875.90 0.24374
504221.98 3635875.90 0.24246 504271.98
3635875.90 0.24040
504321.98 3635875.90 0.23546 504371.98
3635875.90 0.23187
504421.98 3635875.90 0.22912 504471.98
3635875.90 0.22545
504521.98 3635875.90 0.22321 504571.98
3635875.90 0.22097
504621.98 3635875.90 0.21867 504671.98
3635875.90 0.21640
504721.98 3635875.90 0.21402 504771.98
3635875.90 0.21178
504821.98 3635875.90 0.20957 504871.98
3635875.90 0.20732
504921.98 3635875.90 0.20508 504971.98
3635875.90 0.20295
505021.98 3635875.90 0.20068 505071.98
3635875.90 0.19844
505121.98 3635875.90 0.19629 505171.98
3635875.90 0.19410
505221.98 3635875.90 0.19193 502221.98
3635925.90 0.28280
502271.98 3635925.90 0.27595 502321.98

3635925.90   0.27507
         502371.98   3635925.90   0.27328   502421.98
3635925.90   0.27579
         502471.98   3635925.90   0.27701   502521.98
3635925.90   0.28015
         502571.98   3635925.90   0.28075   502621.98
3635925.90   0.28218
         502671.98   3635925.90   0.28309   502721.98
3635925.90   0.28339
         502771.98   3635925.90   0.28352   502821.98
3635925.90   0.28731

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                  L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                  L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                  L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502871.98   3635925.90   0.28978   502921.98
3635925.90   0.29894
         502971.98   3635925.90   0.29991   503021.98
3635925.90   0.30490
         503071.98   3635925.90   0.30653   503121.98
3635925.90   0.30621
         503171.98   3635925.90   0.30587   503221.98
3635925.90   0.30660
         503271.98   3635925.90   0.30575   503321.98
3635925.90   0.30290

503371.98 3635925.90 0.30004 503421.98 3635925.90 0.29768
503471.98 3635925.90 0.30346 503521.98 3635925.90 0.30707
503571.98 3635925.90 0.30052 503621.98 3635925.90 0.28290
503671.98 3635925.90 0.27375 503721.98 3635925.90 0.26895
503771.98 3635925.90 0.26592 503821.98 3635925.90 0.26246
503871.98 3635925.90 0.25869 503921.98 3635925.90 0.25612
503971.98 3635925.90 0.25389 504021.98 3635925.90 0.24916
504071.98 3635925.90 0.24731 504121.98 3635925.90 0.24559
504171.98 3635925.90 0.24371 504221.98 3635925.90 0.24298
504271.98 3635925.90 0.23856 504321.98 3635925.90 0.23378
504371.98 3635925.90 0.23119 504421.98 3635925.90 0.22869
504471.98 3635925.90 0.22499 504521.98 3635925.90 0.22098
504571.98 3635925.90 0.21708 504621.98 3635925.90 0.21455
504671.98 3635925.90 0.21248 504721.98 3635925.90 0.21024
504771.98 3635925.90 0.20800 504821.98 3635925.90 0.20580
504871.98 3635925.90 0.20366 504921.98 3635925.90 0.20151
504971.98 3635925.90 0.19953 505021.98 3635925.90 0.19742
505071.98 3635925.90 0.19528 505121.98 3635925.90 0.19309
505171.98 3635925.90 0.19096 505221.98 3635925.90 0.18953
502221.98 3635975.90 0.27925 502271.98 3635975.90 0.27327
502321.98 3635975.90 0.27143 502371.98 3635975.90 0.26869
502421.98 3635975.90 0.27079 502471.98 3635975.90 0.27166
502521.98 3635975.90 0.27433 502571.98 3635975.90 0.27371
502621.98 3635975.90 0.27539 502671.98 3635975.90 0.27771
502721.98 3635975.90 0.27862 502771.98 3635975.90 0.27970

```
         502821.98    3635975.90        0.28351                       502871.98
3635975.90        0.28428
         502921.98    3635975.90        0.29206                       502971.98
3635975.90        0.29296
         503021.98    3635975.90        0.29808                       503071.98
3635975.90        0.29881
         503121.98    3635975.90        0.29969                       503171.98
3635975.90        0.29961
         503221.98    3635975.90        0.29954                       503271.98
3635975.90        0.29770
         503321.98    3635975.90        0.29578                       503371.98
3635975.90        0.29133
         503421.98    3635975.90        0.29724                       503471.98
3635975.90        0.29960
         503521.98    3635975.90        0.29712                       503571.98
3635975.90        0.28515
         503621.98    3635975.90        0.27600                       503671.98
3635975.90        0.27072
         503721.98    3635975.90        0.26676                       503771.98
3635975.90        0.26358
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 535
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         503821.98    3635975.90        0.25901                       503871.98
```

3635975.90 0.25393
503921.98 3635975.90 0.25125 503971.98
3635975.90 0.24900
504021.98 3635975.90 0.24719 504071.98
3635975.90 0.24608
504121.98 3635975.90 0.24512 504171.98
3635975.90 0.24528
504221.98 3635975.90 0.24327 504271.98
3635975.90 0.23733
504321.98 3635975.90 0.23418 504371.98
3635975.90 0.23235
504421.98 3635975.90 0.22944 504471.98
3635975.90 0.22497
504521.98 3635975.90 0.22174 504571.98
3635975.90 0.21817
504621.98 3635975.90 0.21564 504671.98
3635975.90 0.21115
504721.98 3635975.90 0.20823 504771.98
3635975.90 0.20474
504821.98 3635975.90 0.20230 504871.98
3635975.90 0.20018
504921.98 3635975.90 0.19804 504971.98
3635975.90 0.19614
505021.98 3635975.90 0.19411 505071.98
3635975.90 0.19206
505121.98 3635975.90 0.18998 505171.98
3635975.90 0.18793
505221.98 3635975.90 0.18585 501721.98
3632475.90 4.56209
501821.98 3632475.90 5.18282 501921.98
3632475.90 5.69621
502021.98 3632475.90 6.12146 502121.98
3632475.90 6.46307
502221.98 3632475.90 6.70177 502321.98
3632475.90 6.85256
502421.98 3632475.90 6.96799 502521.98
3632475.90 7.03866
502621.98 3632475.90 7.13625 502721.98
3632475.90 7.21517
502821.98 3632475.90 7.23952 502921.98
3632475.90 7.22137
503021.98 3632475.90 7.17361 503121.98
3632475.90 7.07817
503221.98 3632475.90 6.67568 503321.98
3632475.90 6.33867
503421.98 3632475.90 5.71667 503721.98
3632475.90 3.26377
503821.98 3632475.90 2.36634 503921.98
3632475.90 1.61048
504021.98 3632475.90 1.22019 504121.98

```
3632475.90        1.00982
         504221.98    3632475.90        0.81701                        504321.98
3632475.90        0.69221
         504421.98    3632475.90        0.64473                        504521.98
3632475.90        0.61724
         504621.98    3632475.90        0.49171                        504721.98
3632475.90        0.42882
         504821.98    3632475.90        0.39229                        504921.98
3632475.90        0.35361
         505021.98    3632475.90        0.31490                        505121.98
3632475.90        0.29317
         505221.98    3632475.90        0.26148                        505321.98
3632475.90        0.23952
         505421.98    3632475.90        0.22608                        505521.98
3632475.90        0.21653
         505621.98    3632475.90        0.21215                        505721.98
3632475.90        0.21025
         501721.98    3632575.90        6.99284                        501821.98
3632575.90        8.11586
         501921.98    3632575.90        8.95900                        502021.98
3632575.90        9.58501
         502121.98    3632575.90       10.02213                        502221.98
3632575.90       10.24383
         502321.98    3632575.90       10.43043                        502421.98
3632575.90       10.54615
         502521.98    3632575.90       10.60407                        502621.98
3632575.90       10.67883
         502721.98    3632575.90       10.92651                        502821.98
3632575.90       11.05922
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 536
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502921.98	3632575.90	11.16702	503021.98	3632575.90	11.15544
503121.98	3632575.90	10.92432	503221.98	3632575.90	10.48423
503321.98	3632575.90	9.85079	503421.98	3632575.90	8.63089
503721.98	3632575.90	3.54528	503821.98	3632575.90	2.20133
503921.98	3632575.90	1.35279	504021.98	3632575.90	1.05864
504121.98	3632575.90	0.87013	504221.98	3632575.90	0.73049
504321.98	3632575.90	0.62016	504421.98	3632575.90	0.55575
504521.98	3632575.90	0.53975	504621.98	3632575.90	0.47364
504721.98	3632575.90	0.39862	504821.98	3632575.90	0.36859
504921.98	3632575.90	0.33052	505021.98	3632575.90	0.29434
505121.98	3632575.90	0.27513	505221.98	3632575.90	0.25314
505321.98	3632575.90	0.23567	505421.98	3632575.90	0.22683
505521.98	3632575.90	0.21794	505621.98	3632575.90	0.21298
505721.98	3632575.90	0.20636	501721.98	3632675.90	14.37643
501821.98	3632675.90	16.57910	501921.98	3632675.90	18.18445
502021.98	3632675.90	19.51484	502121.98	3632675.90	20.17753
502221.98	3632675.90	20.29792	502321.98	3632675.90	20.47752
502421.98	3632675.90	20.60391	502521.98	3632675.90	20.54633
502621.98	3632675.90	20.74543	502721.98	3632675.90	22.07665
502821.98	3632675.90	24.42307	502921.98	3632675.90	26.69039
503021.98	3632675.90	27.05486	503721.98	3632675.90	3.77414

```
         503821.98    3632675.90        2.29739                       503921.98
3632675.90        1.47817
         504021.98    3632675.90        1.04860                       504121.98
3632675.90        0.82902
         504221.98    3632675.90        0.68769                       504321.98
3632675.90        0.59134
         504421.98    3632675.90        0.52958                       504521.98
3632675.90        0.48607
         504621.98    3632675.90        0.43770                       504721.98
3632675.90        0.39385
         504821.98    3632675.90        0.36100                       504921.98
3632675.90        0.32436
         505021.98    3632675.90        0.29291                       505121.98
3632675.90        0.27144
         505221.98    3632675.90        0.25348                       505321.98
3632675.90        0.23775
         505421.98    3632675.90        0.23211                       505521.98
3632675.90        0.22783
         505621.98    3632675.90        0.21913                       505721.98
3632675.90        0.20353
         502421.98    3632775.90       44.11044                       502521.98
3632775.90       41.45236
         502621.98    3632775.90       36.29895                       502721.98
3632775.90       29.50261
         502821.98    3632775.90       26.95227                       502921.98
3632775.90       27.76522
         503021.98    3632775.90       23.66933                       503121.98
3632775.90       24.88778
         503221.98    3632775.90       23.87553                       503621.98
3632775.90        7.89858
         503721.98    3632775.90        4.02642                       503821.98
3632775.90        2.14053
         503921.98    3632775.90        1.56229                       504021.98
3632775.90        1.19977
         504121.98    3632775.90        0.91187                       504221.98
3632775.90        0.73419
         504321.98    3632775.90        0.62282                       504421.98
3632775.90        0.55321
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 537
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
```

```
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         504521.98    3632775.90        0.49936                       504621.98
3632775.90        0.44992
         504721.98    3632775.90        0.40877                       504821.98
3632775.90        0.36922
         504921.98    3632775.90        0.33566                       505021.98
3632775.90        0.30556
         505121.98    3632775.90        0.28331                       505221.98
3632775.90        0.26429
         505321.98    3632775.90        0.25257                       505421.98
3632775.90        0.24608
         505521.98    3632775.90        0.24034                       505621.98
3632775.90        0.23215
         505721.98    3632775.90        0.21773                       501721.98
3632875.90       11.11555
         501821.98    3632875.90       12.45761                       501921.98
3632875.90       13.18823
         502021.98    3632875.90       13.48992                       502121.98
3632875.90       13.66580
         502221.98    3632875.90       13.44440                       502321.98
3632875.90       13.28869
         502421.98    3632875.90       13.21596                       502521.98
3632875.90       12.87072
         502621.98    3632875.90       12.25972                       502721.98
3632875.90       11.79504
         502821.98    3632875.90       11.65604                       502921.98
3632875.90       11.47529
         503021.98    3632875.90        6.54505                       503121.98
3632875.90        9.03927
         503221.98    3632875.90       10.71879                       503321.98
3632875.90       11.52860
         503421.98    3632875.90       15.07757                       503621.98
3632875.90        7.30729
         503721.98    3632875.90        3.74465                       503821.98
```

```
3632875.90        2.07393
         503921.98    3632875.90        1.40496                     504021.98
3632875.90        1.12385
         504121.98    3632875.90        0.92329                     504221.98
3632875.90        0.76006
         504321.98    3632875.90        0.65480                     504421.98
3632875.90        0.57585
         504521.98    3632875.90        0.51580                     504621.98
3632875.90        0.46448
         504721.98    3632875.90        0.42160                     504821.98
3632875.90        0.37894
         504921.98    3632875.90        0.34474                     505021.98
3632875.90        0.31803
         505121.98    3632875.90        0.29490                     505221.98
3632875.90        0.27932
         505321.98    3632875.90        0.26826                     505421.98
3632875.90        0.26256
         505521.98    3632875.90        0.25018                     505621.98
3632875.90        0.24325
         505721.98    3632875.90        0.22688                     501721.98
3632975.90        6.06204
         501821.98    3632975.90        6.84940                     501921.98
3632975.90        7.37083
         502021.98    3632975.90        7.70810                     502121.98
3632975.90        7.87808
         505321.98    3632975.90        0.28403                     505421.98
3632975.90        0.27180
         505521.98    3632975.90        0.26375                     505621.98
3632975.90        0.25097
         505721.98    3632975.90        0.23307                     501721.98
3633075.90        4.10394
         501821.98    3633075.90        4.56757                     501921.98
3633075.90        4.94905
         502021.98    3633075.90        5.20888                     502121.98
3633075.90        5.39720
         505321.98    3633075.90        0.29255                     505421.98
3633075.90        0.28580
         505521.98    3633075.90        0.27638                     505621.98
3633075.90        0.26077
         505721.98    3633075.90        0.23816                     501721.98
3633175.90        3.08660
         501821.98    3633175.90        3.39288                     501921.98
3633175.90        3.64609
         502021.98    3633175.90        3.85494                     502121.98
3633175.90        3.97244
         505321.98    3633175.90        0.30032                     505421.98
3633175.90        0.28910
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***

INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633175.90	0.28235	505621.98	3633175.90	0.27332
505721.98	3633175.90	0.24930	501721.98	3633275.90	2.46064
501821.98	3633275.90	2.68337	501921.98	3633275.90	2.86643
502021.98	3633275.90	3.02118	502121.98	3633275.90	3.11967
505321.98	3633275.90	0.30265	505421.98	3633275.90	0.28456
505521.98	3633275.90	0.28317	505621.98	3633275.90	0.28191
505721.98	3633275.90	0.26134	501721.98	3633375.90	2.03282
501821.98	3633375.90	2.19106	501921.98	3633375.90	2.32779
502021.98	3633375.90	2.44420	502121.98	3633375.90	2.53759
505321.98	3633375.90	0.30430	505421.98	3633375.90	0.27876
505521.98	3633375.90	0.27305	505621.98	3633375.90	0.28033
505721.98	3633375.90	0.27017	501721.98	3633475.90	1.72581

501821.98 3633475.90 1.84519 501921.98
3633475.90 1.95520
502021.98 3633475.90 2.04627 502121.98
3633475.90 2.11112
505321.98 3633475.90 0.29844 505421.98
3633475.90 0.27256
505521.98 3633475.90 0.27036 505621.98
3633475.90 0.27019
505721.98 3633475.90 0.27001 501721.98
3633575.90 1.49167
501821.98 3633575.90 1.58510 501921.98
3633575.90 1.66763
502021.98 3633575.90 1.73753 502121.98
3633575.90 1.82580
505321.98 3633575.90 0.28895 505421.98
3633575.90 0.26187
505521.98 3633575.90 0.26163 505621.98
3633575.90 0.26644
505721.98 3633575.90 0.26540 501721.98
3633675.90 1.30873
501821.98 3633675.90 1.37874 501921.98
3633675.90 1.44656
502021.98 3633675.90 1.50670 502121.98
3633675.90 1.57356
505321.98 3633675.90 0.27372 505421.98
3633675.90 0.24580
505521.98 3633675.90 0.24698 505621.98
3633675.90 0.25201
505721.98 3633675.90 0.25983 501721.98
3633775.90 1.16105
501821.98 3633775.90 1.21741 501921.98
3633775.90 1.26989
502021.98 3633775.90 1.31666 502121.98
3633775.90 1.35500
505321.98 3633775.90 0.26668 505421.98
3633775.90 0.24811
505521.98 3633775.90 0.23802 505621.98
3633775.90 0.24350
505721.98 3633775.90 0.25462 501721.98
3633875.90 1.03716
501821.98 3633875.90 1.08625 501921.98
3633875.90 1.12140
502021.98 3633875.90 1.16468 502121.98
3633875.90 1.19522
505321.98 3633875.90 0.25930 505421.98
3633875.90 0.25229
505521.98 3633875.90 0.24338 505621.98
3633875.90 0.23858
505721.98 3633875.90 0.25122 501721.98
3633975.90 0.93378

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                  L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                  L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                  L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         505521.98   3633975.90   0.24828   505621.98
3633975.90   0.24438
         505721.98   3633975.90   0.24823   501721.98
3634075.90   0.84560
         501821.98   3634075.90   0.87766   501921.98
3634075.90   0.90652
         502021.98   3634075.90   0.93152   502121.98
3634075.90   0.95241
         505321.98   3634075.90   0.25721   505421.98
3634075.90   0.25566
         505521.98   3634075.90   0.26193   505621.98
3634075.90   0.25789
         505721.98   3634075.90   0.24269   501721.98
3634175.90   0.76706
         501821.98   3634175.90   0.79620   501921.98

3634175.90 0.82087
502021.98 3634175.90 0.83691 502121.98 3634175.90 0.85682
505321.98 3634175.90 0.28157 505421.98 3634175.90 0.27741
505521.98 3634175.90 0.27105 505621.98 3634175.90 0.24812
505721.98 3634175.90 0.22695 501721.98 3634275.90 0.70145
501821.98 3634275.90 0.72312 501921.98 3634275.90 0.74267
502021.98 3634275.90 0.75916 502121.98 3634275.90 0.77399
505321.98 3634275.90 0.29663 505421.98 3634275.90 0.28614
505521.98 3634275.90 0.25284 505621.98 3634275.90 0.23532
505721.98 3634275.90 0.21511 501721.98 3634375.90 0.64782
501821.98 3634375.90 0.66778 501921.98 3634375.90 0.68215
502021.98 3634375.90 0.69608 502121.98 3634375.90 0.71058
505321.98 3634375.90 0.29405 505421.98 3634375.90 0.27904
505521.98 3634375.90 0.23537 505621.98 3634375.90 0.21118
505721.98 3634375.90 0.19970 501721.98 3634475.90 0.59990
501821.98 3634475.90 0.61706 501921.98 3634475.90 0.63185
502021.98 3634475.90 0.64601 502121.98 3634475.90 0.65553
505321.98 3634475.90 0.28226 505421.98 3634475.90 0.28011
505521.98 3634475.90 0.25680 505621.98 3634475.90 0.22403
505721.98 3634475.90 0.19236 501721.98 3634575.90 0.55648
501821.98 3634575.90 0.57014 501921.98 3634575.90 0.58272
502021.98 3634575.90 0.59472 502121.98 3634575.90 0.60515
505321.98 3634575.90 0.26660 505421.98 3634575.90 0.27340
505521.98 3634575.90 0.26086 505621.98 3634575.90 0.22776
505721.98 3634575.90 0.19267 501721.98 3634675.90 0.51863
501821.98 3634675.90 0.53138 501921.98

```
3634675.90        0.54209
         502021.98    3634675.90        0.55238                      502121.98
3634675.90        0.55783
         505321.98    3634675.90        0.26050                      505421.98
3634675.90        0.26634
         505521.98    3634675.90        0.25502                      505621.98
3634675.90        0.24395
         505721.98    3634675.90        0.21544                      501721.98
3634775.90        0.48407
         501821.98    3634775.90        0.49559                      501921.98
3634775.90        0.50415
         502021.98    3634775.90        0.51378                      502121.98
3634775.90        0.52052
         505321.98    3634775.90        0.25812                      505421.98
3634775.90        0.25700
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 540
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         505521.98    3634775.90        0.24766                      505621.98
3634775.90        0.23909
         505721.98    3634775.90        0.22948                      501721.98
3634875.90        0.45291
         501821.98    3634875.90        0.46321                      501921.98
3634875.90        0.47183
```

```
         502021.98    3634875.90        0.47966                    502121.98
3634875.90        0.48531
         505321.98    3634875.90        0.26459                    505421.98
3634875.90        0.24896
         505521.98    3634875.90        0.24024                    505621.98
3634875.90        0.23187
         505721.98    3634875.90        0.22413                    501721.98
3634975.90        0.42589
         501821.98    3634975.90        0.43434                    501921.98
3634975.90        0.44236
         502021.98    3634975.90        0.44864                    502121.98
3634975.90        0.45349
         505321.98    3634975.90        0.25622                    505421.98
3634975.90        0.24109
         505521.98    3634975.90        0.23289                    505621.98
3634975.90        0.22512
         505721.98    3634975.90        0.21770                    501721.98
3635075.90        0.40182
         501821.98    3635075.90        0.40853                    501921.98
3635075.90        0.41535
         502021.98    3635075.90        0.42071                    502121.98
3635075.90        0.42468
         505321.98    3635075.90        0.24386                    505421.98
3635075.90        0.23376
         505521.98    3635075.90        0.22600                    505621.98
3635075.90        0.21890
         505721.98    3635075.90        0.21161                    501721.98
3635175.90        0.37847
         501821.98    3635175.90        0.38446                    501921.98
3635175.90        0.39005
         502021.98    3635175.90        0.39503                    502121.98
3635175.90        0.39875
         505321.98    3635175.90        0.23409                    505421.98
3635175.90        0.22657
         505521.98    3635175.90        0.21946                    505621.98
3635175.90        0.21256
         505721.98    3635175.90        0.20595                    501721.98
3635275.90        0.36017
         501821.98    3635275.90        0.36301                    501921.98
3635275.90        0.36803
         502021.98    3635275.90        0.37236                    502121.98
3635275.90        0.37512
         505621.98    3635275.90        0.20687                    505721.98
3635275.90        0.20073
         501721.98    3635375.90        0.34571                    501821.98
3635375.90        0.34582
         501921.98    3635375.90        0.34904                    502021.98
3635375.90        0.35256
         502121.98    3635375.90        0.35344                    505621.98
3635375.90        0.20101
```

```
         501721.98    3635475.90        0.33328                       501821.98
3635475.90        0.33405
         501921.98    3635475.90        0.33097                       502021.98
3635475.90        0.33129
         502121.98    3635475.90        0.33470                       505621.98
3635475.90        0.19522
         505721.98    3635475.90        0.18943                       501721.98
3635575.90        0.31882
         501821.98    3635575.90        0.31948                       501921.98
3635575.90        0.31583
         502021.98    3635575.90        0.31781                       502121.98
3635575.90        0.32253
         505321.98    3635575.90        0.20602                       505421.98
3635575.90        0.19978
         505521.98    3635575.90        0.19453                       505621.98
3635575.90        0.18928
         505721.98    3635575.90        0.18431                       501721.98
3635675.90        0.30618
         501821.98    3635675.90        0.30643                       501921.98
3635675.90        0.30494
         502021.98    3635675.90        0.30711                       502121.98
3635675.90        0.31192
         505321.98    3635675.90        0.19960                       505421.98
3635675.90        0.19437
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 541
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                 INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
```

Y-COORD (M) CONC

- - - -

3636075.90   0.28839
         503221.98   3636075.90   0.28592   503321.98
3636075.90   0.28088
         503421.98   3636075.90   0.27816   503521.98
3636075.90   0.27268
         503621.98   3636075.90   0.26751   503721.98
3636075.90   0.26338
         503821.98   3636075.90   0.25688   503921.98
3636075.90   0.25522
         504021.98   3636075.90   0.24850   504121.98
3636075.90   0.24696
         504221.98   3636075.90   0.24457   504321.98
3636075.90   0.23837
         504421.98   3636075.90   0.23918   504521.98
3636075.90   0.23859
         504621.98   3636075.90   0.22846   504721.98
3636075.90   0.21001
         504821.98   3636075.90   0.19960   504921.98
3636075.90   0.19231
         505021.98   3636075.90   0.18822   505121.98
3636075.90   0.18389
         505221.98   3636075.90   0.18006   505321.98
3636075.90   0.17631
         505421.98   3636075.90   0.17247   505521.98
3636075.90   0.16911
         505621.98   3636075.90   0.16556   505721.98
3636075.90   0.16173
         501721.98   3636175.90   0.24047   501821.98
3636175.90   0.24723
         501921.98   3636175.90   0.25233   502021.98
3636175.90   0.25567
         502121.98   3636175.90   0.25809   502221.98
3636175.90   0.25794

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                 L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                 L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                 L0000781   , L0000782   , L0000783   , L0000784   , L0000785

, L0000786   , L0000787   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502321.98	3636175.90	0.25335	502421.98	3636175.90	0.25059
502521.98	3636175.90	0.25403	502621.98	3636175.90	0.25694
502721.98	3636175.90	0.26154	502821.98	3636175.90	0.26443
502921.98	3636175.90	0.26792	503021.98	3636175.90	0.27269
503121.98	3636175.90	0.27755	503221.98	3636175.90	0.27565
503321.98	3636175.90	0.27073	503421.98	3636175.90	0.26825
503521.98	3636175.90	0.26585	503621.98	3636175.90	0.26111
503721.98	3636175.90	0.25822	503821.98	3636175.90	0.25588
503921.98	3636175.90	0.25441	504021.98	3636175.90	0.25269
504121.98	3636175.90	0.25210	504221.98	3636175.90	0.24808
504321.98	3636175.90	0.25152	504421.98	3636175.90	0.24669
504521.98	3636175.90	0.22805	504621.98	3636175.90	0.23609
504721.98	3636175.90	0.21610	504821.98	3636175.90	0.20720
504921.98	3636175.90	0.19530	505021.98	3636175.90	0.18559
505121.98	3636175.90	0.17848	505221.98	3636175.90	0.17476
505321.98	3636175.90	0.17172	505421.98	3636175.90	0.16842
505521.98	3636175.90	0.16436	505621.98	3636175.90	0.16116
505721.98	3636175.90	0.15774	501721.98	3636275.90	0.22980
501821.98	3636275.90	0.23590	501921.98	3636275.90	0.24143

```
         502021.98    3636275.90        0.24493                        502121.98
3636275.90        0.24616
         502221.98    3636275.90        0.24451                        502321.98
3636275.90        0.24230
         502421.98    3636275.90        0.24206                        502521.98
3636275.90        0.24408
         502621.98    3636275.90        0.24979                        502721.98
3636275.90        0.25294
         502821.98    3636275.90        0.25582                        502921.98
3636275.90        0.25916
         503021.98    3636275.90        0.26086                        503121.98
3636275.90        0.26471
         503221.98    3636275.90        0.26576                        503321.98
3636275.90        0.26498
         503421.98    3636275.90        0.26229                        503521.98
3636275.90        0.25969
         503621.98    3636275.90        0.25673                        503721.98
3636275.90        0.25386
         503821.98    3636275.90        0.25169                        503921.98
3636275.90        0.25076
         504021.98    3636275.90        0.25174                        504121.98
3636275.90        0.25089
         504221.98    3636275.90        0.24200                        504321.98
3636275.90        0.19936
         504421.98    3636275.90        0.18566                        504521.98
3636275.90        0.17436
         504621.98    3636275.90        0.20008                        504721.98
3636275.90        0.22200
         504821.98    3636275.90        0.21149                        504921.98
3636275.90        0.20840
         505021.98    3636275.90        0.18094                        505121.98
3636275.90        0.17354
         505221.98    3636275.90        0.17000                        505321.98
3636275.90        0.16728
         505421.98    3636275.90        0.16419                        505521.98
3636275.90        0.16022
         505621.98    3636275.90        0.15704                        505721.98
3636275.90        0.15410
         501721.98    3636375.90        0.21922                        501821.98
3636375.90        0.22569
         501921.98    3636375.90        0.23170                        502021.98
3636375.90        0.23490
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 543
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***

INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502121.98	3636375.90	0.23596	502221.98	3636375.90	0.23574
502321.98	3636375.90	0.23619	502421.98	3636375.90	0.23519
502521.98	3636375.90	0.23701	502621.98	3636375.90	0.23902
502721.98	3636375.90	0.24425	502821.98	3636375.90	0.24819
502921.98	3636375.90	0.25116	503021.98	3636375.90	0.25316
503121.98	3636375.90	0.25395	503221.98	3636375.90	0.25179
503321.98	3636375.90	0.25249	503421.98	3636375.90	0.25372
503521.98	3636375.90	0.25261	503621.98	3636375.90	0.25137
503721.98	3636375.90	0.24881	503821.98	3636375.90	0.24638
503921.98	3636375.90	0.24743	504021.98	3636375.90	0.24451
504121.98	3636375.90	0.23641	504221.98	3636375.90	0.21213
504321.98	3636375.90	0.18029	504421.98	3636375.90	0.16448
504521.98	3636375.90	0.16041	504621.98	3636375.90	0.17480
504721.98	3636375.90	0.19444	504821.98	3636375.90	0.18085
504921.98	3636375.90	0.18520	505021.98		

```
3636375.90        0.20120
         505121.98    3636375.90        0.17107                    505221.98
3636375.90        0.16697
         505321.98    3636375.90        0.16346                    505421.98
3636375.90        0.15969
         505521.98    3636375.90        0.15647                    505621.98
3636375.90        0.15334
         505721.98    3636375.90        0.15048                    501721.98
3636475.90        0.20601
         501821.98    3636475.90        0.21382                    501921.98
3636475.90        0.22226
         502021.98    3636475.90        0.22552                    502121.98
3636475.90        0.22773
         502221.98    3636475.90        0.22829                    502321.98
3636475.90        0.22762
         502421.98    3636475.90        0.22699                    502521.98
3636475.90        0.22930
         502621.98    3636475.90        0.23157                    502721.98
3636475.90        0.23562
         502821.98    3636475.90        0.24028                    502921.98
3636475.90        0.24189
         503021.98    3636475.90        0.24206                    503121.98
3636475.90        0.23915
         503221.98    3636475.90        0.23450                    503321.98
3636475.90        0.23787
         503421.98    3636475.90        0.24137                    503521.98
3636475.90        0.24243
         503621.98    3636475.90        0.24215                    503721.98
3636475.90        0.24146
         503821.98    3636475.90        0.24010                    503921.98
3636475.90        0.23614
         504021.98    3636475.90        0.20474                    504121.98
3636475.90        0.20723
         504221.98    3636475.90        0.20266                    504321.98
3636475.90        0.16908
         504421.98    3636475.90        0.15494                    504521.98
3636475.90        0.14964
         504621.98    3636475.90        0.15049                    504721.98
3636475.90        0.15454
         504821.98    3636475.90        0.15740                    504921.98
3636475.90        0.17553
         505021.98    3636475.90        0.19856                    505121.98
3636475.90        0.16759
         505221.98    3636475.90        0.16322                    505321.98
3636475.90        0.15956
         505421.98    3636475.90        0.15555                    505521.98
3636475.90        0.15238
         505621.98    3636475.90        0.14952                    505721.98
3636475.90        0.14661
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

503871.98 3633475.90 12.47575 503921.98
3633475.90 12.69498
503971.98 3633475.90 12.11501 504021.98
3633475.90 10.99244
504071.98 3633475.90 10.75110 504121.98
3633475.90 10.88741
504171.98 3633475.90 10.13328 504221.98
3633475.90 10.12791
504271.98 3633475.90 10.29524 504321.98
3633475.90 10.09523
504371.98 3633475.90 8.94177 504421.98
3633475.90 8.17158
504471.98 3633475.90 7.71012 504521.98
3633475.90 7.49217
504571.98 3633475.90 7.55090 504621.98
3633475.90 7.70135
504671.98 3633475.90 7.73386 504721.98
3633475.90 7.89285
502721.98 3633525.90 10.60694 502771.98
3633525.90 11.04424
502821.98 3633525.90 11.52003 502871.98
3633525.90 12.05148
502921.98 3633525.90 12.62630 502971.98
3633525.90 13.23705
503021.98 3633525.90 13.91454 503071.98
3633525.90 14.66229
503121.98 3633525.90 15.47049 503171.98
3633525.90 16.43327
503221.98 3633525.90 17.58546 503271.98
3633525.90 19.03797
503321.98 3633525.90 20.40154 503371.98
3633525.90 20.54722
503421.98 3633525.90 23.67657 503471.98
3633525.90 29.94812
503521.98 3633525.90 46.66158 503621.98
3633525.90 51.02053
503671.98 3633525.90 31.93788 503721.98
3633525.90 25.29773
503771.98 3633525.90 19.30261 503821.98
3633525.90 15.56399
503871.98 3633525.90 14.96540 503921.98
3633525.90 15.16644
503971.98 3633525.90 13.87840 504021.98
3633525.90 12.41242
504071.98 3633525.90 12.21724 504121.98
3633525.90 12.49271
504171.98 3633525.90 12.17831 504221.98
3633525.90 12.00150
504271.98 3633525.90 11.40595 504321.98
3633525.90 9.67752

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502721.98   3633575.90   10.67739   502771.98
3633575.90   11.13770
         502821.98   3633575.90   11.64990   502871.98
3633575.90   12.21096
         502921.98   3633575.90   12.80323   502971.98
3633575.90   13.45825
         503021.98   3633575.90   14.19335   503071.98
3633575.90   14.98195
         503121.98   3633575.90   15.83235   503171.98
3633575.90   16.83857
         503221.98   3633575.90   18.03662   503271.98
3633575.90   19.45478
         503321.98   3633575.90   21.08667   503371.98

3633575.90 21.98468
503421.98 3633575.90 24.75739 503471.98
3633575.90 29.68780
503521.98 3633575.90 41.19032 503621.98
3633575.90 57.60511
503671.98 3633575.90 37.11023 503721.98
3633575.90 29.48929
503771.98 3633575.90 23.12850 503821.98
3633575.90 19.21007
503871.98 3633575.90 18.74948 503921.98
3633575.90 17.67721
503971.98 3633575.90 15.90160 504021.98
3633575.90 15.04440
504071.98 3633575.90 14.16852 504121.98
3633575.90 14.17018
504171.98 3633575.90 13.90755 504221.98
3633575.90 13.79556
504271.98 3633575.90 11.91049 504321.98
3633575.90 10.16306
504371.98 3633575.90 9.51057 504421.98
3633575.90 8.93223
504471.98 3633575.90 8.81442 504521.98
3633575.90 9.14930
504571.98 3633575.90 9.55325 504621.98
3633575.90 9.32292
504671.98 3633575.90 9.10548 504721.98
3633575.90 8.92962
502721.98 3633625.90 10.78489 502771.98
3633625.90 11.27096
502821.98 3633625.90 11.79687 502871.98
3633625.90 12.37549
502921.98 3633625.90 13.00585 502971.98
3633625.90 13.71029
503021.98 3633625.90 14.49013 503071.98
3633625.90 15.30991
503121.98 3633625.90 16.22648 503171.98
3633625.90 17.29069
503221.98 3633625.90 18.51128 503271.98
3633625.90 19.98808
503321.98 3633625.90 21.78599 503371.98
3633625.90 23.57678
503421.98 3633625.90 25.38773 503471.98
3633625.90 29.68724
503521.98 3633625.90 38.92284 503621.98
3633625.90 72.64373
503671.98 3633625.90 40.93111 503721.98
3633625.90 32.44991
503771.98 3633625.90 24.84820 503821.98
3633625.90 21.94455
503871.98 3633625.90 20.84475 503921.98

```
3633625.90       19.12037
         503971.98    3633625.90       18.02513                       504021.98
3633625.90       16.69285
         504071.98    3633625.90       15.75186                       504121.98
3633625.90       15.96076
         504171.98    3633625.90       15.69649                       504221.98
3633625.90       15.01818
         504271.98    3633625.90       13.31852                       504321.98
3633625.90       11.82080
         504371.98    3633625.90       10.57248                       504421.98
3633625.90        9.92630
         504471.98    3633625.90        9.75202                       504521.98
3633625.90       10.40880
         504571.98    3633625.90       10.44097                       504621.98
3633625.90       10.13305
         504671.98    3633625.90       10.11829                       504721.98
3633625.90        9.69575
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 546
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         502721.98    3633675.90       10.90793                       502771.98
3633675.90       11.41811
         502821.98    3633675.90       11.97048                       502871.98
3633675.90       12.57746
```

```
         502921.98    3633675.90       13.26038                    502971.98
3633675.90       13.99859
         503021.98    3633675.90       14.81122                    503071.98
3633675.90       15.68353
         503121.98    3633675.90       16.66791                    503171.98
3633675.90       17.78046
         503221.98    3633675.90       19.05770                    503271.98
3633675.90       20.55958
         503321.98    3633675.90       22.35168                    503371.98
3633675.90       24.52132
         503421.98    3633675.90       27.41629                    503471.98
3633675.90       31.18068
         503521.98    3633675.90       37.61433                    503571.98
3633675.90       59.27968
         503671.98    3633675.90       47.18539                    503721.98
3633675.90       35.49002
         503771.98    3633675.90       29.40662                    503821.98
3633675.90       25.36812
         503871.98    3633675.90       22.77505                    503921.98
3633675.90       21.32297
         503971.98    3633675.90       19.85072                    504021.98
3633675.90       18.59700
         504071.98    3633675.90       18.00539                    504121.98
3633675.90       17.87288
         504171.98    3633675.90       17.61603                    504221.98
3633675.90       16.96638
         504271.98    3633675.90       15.38216                    504321.98
3633675.90       13.44077
         504371.98    3633675.90       11.89584                    504421.98
3633675.90       11.24458
         504471.98    3633675.90       11.49752                    504521.98
3633675.90       11.77121
         504571.98    3633675.90       11.44508                    504621.98
3633675.90       11.18808
         504671.98    3633675.90       10.89986                    504721.98
3633675.90       10.62229
         502721.98    3633725.90       11.04559                    502771.98
3633725.90       11.58765
         502821.98    3633725.90       12.16748                    502871.98
3633725.90       12.81613
         502921.98    3633725.90       13.55114                    502971.98
3633725.90       14.32475
         503021.98    3633725.90       15.14616                    503071.98
3633725.90       16.10073
         503121.98    3633725.90       17.14602                    503171.98
3633725.90       18.31912
         503221.98    3633725.90       19.66054                    503271.98
3633725.90       21.18244
         503321.98    3633725.90       22.97392                    503371.98
3633725.90       25.11587
```

```
         503421.98    3633725.90       27.82637                       503471.98
3633725.90       31.92025
         503521.98    3633725.90       37.62316                       503571.98
3633725.90       49.83572
         503721.98    3633725.90       42.36589                       503771.98
3633725.90       33.05420
         503821.98    3633725.90       28.91589                       503871.98
3633725.90       25.61842
         503921.98    3633725.90       23.74294                       503971.98
3633725.90       21.72287
         504021.98    3633725.90       20.58853                       504071.98
3633725.90       20.04984
         504121.98    3633725.90       20.32417                       504171.98
3633725.90       19.66068
         504221.98    3633725.90       18.72308                       504271.98
3633725.90       18.20226
         504321.98    3633725.90       15.58041                       504371.98
3633725.90       13.87860
         504421.98    3633725.90       13.23820                       504471.98
3633725.90       13.32290
         504521.98    3633725.90       13.09294                       504571.98
3633725.90       12.63155
         504621.98    3633725.90       12.77498                       504671.98
3633725.90       12.26136
         504721.98    3633725.90       11.60679                       502721.98
3633775.90       11.18918
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 547
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502771.98	3633775.90	11.76299	502821.98	3633775.90	12.38397
502871.98	3633775.90	13.06404	502921.98	3633775.90	13.83344
502971.98	3633775.90	14.67076	503021.98	3633775.90	15.56689
503071.98	3633775.90	16.56081	503121.98	3633775.90	17.66800
503171.98	3633775.90	18.91250	503221.98	3633775.90	20.31388
503271.98	3633775.90	21.92143	503321.98	3633775.90	23.76622
503371.98	3633775.90	25.93956	503421.98	3633775.90	28.61568
503471.98	3633775.90	32.18155	503771.98	3633775.90	37.72759
503821.98	3633775.90	32.47890	503871.98	3633775.90	29.38787
503921.98	3633775.90	26.18730	503971.98	3633775.90	24.01579
504021.98	3633775.90	23.03398	504071.98	3633775.90	24.22972
504121.98	3633775.90	23.33553	504171.98	3633775.90	22.62900
504221.98	3633775.90	21.49192	504271.98	3633775.90	20.20568
504321.98	3633775.90	17.89289	504371.98	3633775.90	16.50820
504421.98	3633775.90	15.85566	504471.98	3633775.90	14.94610
504521.98	3633775.90	15.23931	504571.98	3633775.90	15.52567
504621.98	3633775.90	14.75551	504671.98	3633775.90	13.82957
504721.98	3633775.90	12.99069	502721.98	3633825.90	11.34672
502771.98	3633825.90	11.94890	502821.98	3633825.90	12.61008
502871.98	3633825.90	13.33118	502921.98	3633825.90	14.15129
502971.98	3633825.90	15.03158	503021.98	3633825.90	15.98933
503071.98	3633825.90	17.05503	503121.98	3633825.90	18.24181
503171.98	3633825.90	19.57826	503221.98		

```
3633825.90       21.07837
         503271.98    3633825.90       22.78194                          503771.98
3633825.90       45.50972
         503821.98    3633825.90       39.02220                          503871.98
3633825.90       33.72005
         503921.98    3633825.90       29.30806                          503971.98
3633825.90       27.40642
         504021.98    3633825.90       28.77231                          504071.98
3633825.90       27.47869
         504121.98    3633825.90       26.66166                          504171.98
3633825.90       26.23457
         504221.98    3633825.90       24.85943                          504271.98
3633825.90       23.68885
         504321.98    3633825.90       22.43179                          504371.98
3633825.90       20.89799
         504421.98    3633825.90       19.25346                          504471.98
3633825.90       18.30236
         504521.98    3633825.90       17.89523                          504571.98
3633825.90       17.77124
         504621.98    3633825.90       16.47721                          504671.98
3633825.90       15.30571
         504721.98    3633825.90       14.59958                          502721.98
3633875.90       11.50248
         502771.98    3633875.90       12.14020                          502821.98
3633875.90       12.83630
         502871.98    3633875.90       13.59764                          502921.98
3633875.90       14.48055
         502971.98    3633875.90       15.41033                          503021.98
3633875.90       16.44177
         503071.98    3633875.90       17.59654                          503121.98
3633875.90       18.85884
         503171.98    3633875.90       20.29157                          503221.98
3633875.90       21.90606
         503271.98    3633875.90       23.73108                          503821.98
3633875.90       45.25861
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 548
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                 L0000313    , L0000314    , L0000315    , L0000316    , L0000317
```

, L0000318   , L0000319   , L0000910   ,
                L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         504121.98    3633925.90       35.97907                       504171.98
3633925.90       34.72856
         504221.98    3633925.90       33.39960                       504271.98
3633925.90       31.54047
         504321.98    3633925.90       30.07258                       504371.98
3633925.90       27.90809
         504421.98    3633925.90       26.55586                       504471.98
3633925.90       24.91395
         504521.98    3633925.90       23.15688                       504571.98
3633925.90       20.82382
         504621.98    3633925.90       18.98873                       504671.98
3633925.90       17.54662
         504721.98    3633925.90       16.23236                       502721.98
3633975.90       11.81846
         502771.98    3633975.90       12.50945                       502821.98
3633975.90       13.27333
         502871.98    3633975.90       14.15418                       502921.98
3633975.90       15.12328
         502971.98    3633975.90       16.16914                       503021.98
3633975.90       17.35848
         503071.98    3633975.90       18.68849                       503121.98
3633975.90       20.18399
         503171.98    3633975.90       21.86343                       503221.98
3633975.90       23.76202
         503271.98    3633975.90       25.92189                       503821.98
3633975.90       69.19062
         503871.98    3633975.90       59.39424                       503921.98
3633975.90       59.40677
         503971.98    3633975.90       52.91217                       504021.98
3633975.90       48.60183
         504071.98    3633975.90       45.08416                       504121.98
3633975.90       43.15242
         504171.98    3633975.90       41.06426                       504221.98
3633975.90       38.38909
         504271.98    3633975.90       36.24137                       504321.98
3633975.90       34.54598
         504371.98    3633975.90       31.68867                       504421.98
3633975.90       29.70066
         504471.98    3633975.90       26.33669                       504521.98
3633975.90       23.04611
         504571.98    3633975.90       21.13289                       504621.98
3633975.90       19.34726
         504671.98    3633975.90       17.55258                       504721.98
3633975.90       15.71523
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502721.98	3634025.90	11.99745	502771.98	3634025.90	12.73203
502821.98	3634025.90	13.52664	502871.98	3634025.90	14.42301
502921.98	3634025.90	15.42137	502971.98	3634025.90	16.55184
503021.98	3634025.90	17.83866	503071.98	3634025.90	19.25089
503121.98	3634025.90	20.86659	503171.98	3634025.90	22.70428
503221.98	3634025.90	24.78995	503271.98	3634025.90	27.17085
503871.98	3634025.90	79.34855	503921.98	3634025.90	72.82765
503971.98	3634025.90	64.09582	504021.98	3634025.90	59.37051
504071.98	3634025.90	54.99248	504121.98	3634025.90	51.60238
504171.98	3634025.90	47.73489	504221.98	3634025.90	44.91302
504271.98	3634025.90	41.76221	504321.98	3634025.90	38.98303
504371.98	3634025.90	35.20402	504421.98	3634025.90	29.94747
504471.98	3634025.90	26.44419	504521.98	3634025.90	23.92398
504571.98	3634025.90	21.45739	504621.98		

3634025.90 18.85377
504671.98 3634025.90 16.91978 504721.98
3634025.90 15.29218
502721.98 3634075.90 12.15568 502771.98
3634075.90 12.88759
502821.98 3634075.90 13.72809 502871.98
3634075.90 14.68511
502921.98 3634075.90 15.74225 502971.98
3634075.90 16.92900
503021.98 3634075.90 18.29555 503071.98
3634075.90 19.82750
503121.98 3634075.90 21.56915 503171.98
3634075.90 23.56972
503221.98 3634075.90 25.86016 503271.98
3634075.90 28.51057
503871.98 3634075.90 104.46575 503921.98
3634075.90 91.58688
503971.98 3634075.90 82.87235 504021.98
3634075.90 73.32994
504071.98 3634075.90 67.00667 504121.98
3634075.90 62.04598
504171.98 3634075.90 57.30547 504221.98
3634075.90 53.02399
504271.98 3634075.90 48.78750 504321.98
3634075.90 43.35463
504371.98 3634075.90 36.57695 504421.98
3634075.90 31.57551
504471.98 3634075.90 27.25325 504521.98
3634075.90 23.47311
504571.98 3634075.90 20.48256 504621.98
3634075.90 17.67078
504671.98 3634075.90 16.10953 504721.98
3634075.90 14.98610
502721.98 3634125.90 12.29937 502771.98
3634125.90 13.05003
502821.98 3634125.90 13.92928 502871.98
3634125.90 14.93478
502921.98 3634125.90 16.03684 502971.98
3634125.90 17.29256
503021.98 3634125.90 18.74310 503071.98
3634125.90 20.37927
503121.98 3634125.90 22.26605 503171.98
3634125.90 24.45037
503221.98 3634125.90 26.94265 503271.98
3634125.90 29.91568
503921.98 3634125.90 122.84781 503971.98
3634125.90 107.53109
504021.98 3634125.90 95.27907 504071.98
3634125.90 84.37039
504121.98 3634125.90 76.19006 504171.98

```
3634125.90       69.50212
         504221.98    3634125.90       62.55495                      504271.98
3634125.90       55.40863
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 550
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                 L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                 L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         504321.98    3634125.90       47.67387                      504371.98
3634125.90       40.10511
         504421.98    3634125.90       33.06130                      504471.98
3634125.90       26.44315
         504521.98    3634125.90       22.94291                      504571.98
3634125.90       19.72198
         504621.98    3634125.90       17.22284                      504671.98
3634125.90       15.87412
         504721.98    3634125.90       14.45908                      502721.98
3634175.90       12.38679
         502771.98    3634175.90       13.19809                      502821.98
3634175.90       14.12159
         502871.98    3634175.90       15.16470                      502921.98
3634175.90       16.31674
         502971.98    3634175.90       17.63744                      503021.98
3634175.90       19.17334
         503071.98    3634175.90       20.90883                      503121.98
3634175.90       22.92649
```

503171.98 3634175.90 25.26682 503221.98
3634175.90 27.98721
503271.98 3634175.90 31.27026 503971.98
3634175.90 150.51398
504021.98 3634175.90 127.23953 504071.98
3634175.90 108.08572
504121.98 3634175.90 92.24156 504171.98
3634175.90 79.55704
504221.98 3634175.90 71.39836 504271.98
3634175.90 61.94002
504321.98 3634175.90 53.17983 504371.98
3634175.90 38.82281
504421.98 3634175.90 28.81428 504471.98
3634175.90 25.26454
504521.98 3634175.90 22.12560 504571.98
3634175.90 18.45603
504621.98 3634175.90 16.04505 504671.98
3634175.90 14.51094
504721.98 3634175.90 12.95968 502721.98
3634225.90 12.49144
502771.98 3634225.90 13.34691 502821.98
3634225.90 14.30932
502871.98 3634225.90 15.38301 502921.98
3634225.90 16.57642
502971.98 3634225.90 17.95640 503021.98
3634225.90 19.56807
503071.98 3634225.90 21.40768 503121.98
3634225.90 23.55686
503171.98 3634225.90 26.07318 503221.98
3634225.90 29.07035
503271.98 3634225.90 32.70271 504071.98
3634225.90 140.82913
504121.98 3634225.90 111.16878 504171.98
3634225.90 91.27819
504221.98 3634225.90 76.17089 504271.98
3634225.90 66.13571
504321.98 3634225.90 55.67494 504371.98
3634225.90 37.68624
504421.98 3634225.90 27.88420 504471.98
3634225.90 24.45225
504521.98 3634225.90 21.35403 504571.98
3634225.90 18.10606
504621.98 3634225.90 15.60710 504671.98
3634225.90 13.74039
504721.98 3634225.90 12.26188 502721.98
3634275.90 12.59493
502771.98 3634275.90 13.45754 502821.98
3634275.90 14.45060
502871.98 3634275.90 15.59676 502921.98
3634275.90 16.81983

```
         502971.98    3634275.90       18.23738                       503021.98
3634275.90       19.93097
         503071.98    3634275.90       21.86677                       503121.98
3634275.90       24.13726
         503171.98    3634275.90       26.84714                       503221.98
3634275.90       30.09573
         503271.98    3634275.90       34.10044                       504121.98
3634275.90      129.19279
         504171.98    3634275.90      100.14388                       504221.98
3634275.90       82.15763
         504271.98    3634275.90       68.06335                       504321.98
3634275.90       55.36395
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 551
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         504371.98    3634275.90       40.40184                       504421.98
3634275.90       29.86966
         504471.98    3634275.90       24.51708                       504521.98
3634275.90       20.62608
         504571.98    3634275.90       17.44761                       504621.98
3634275.90       15.17175
         504671.98    3634275.90       13.31731                       504721.98
3634275.90       12.00799
         502721.98    3634325.90       12.57690                       502771.98
```

3634325.90 13.47528
502821.98 3634325.90 14.47336 502871.98
3634325.90 15.77258
502971.98 3634325.90 18.48644 503021.98
3634325.90 20.23350
503071.98 3634325.90 22.27008 503121.98
3634325.90 24.65793
503171.98 3634325.90 27.52907 503221.98
3634325.90 31.01503
503271.98 3634325.90 35.34505 504171.98
3634325.90 109.35755
504221.98 3634325.90 83.37276 504271.98
3634325.90 69.57306
504321.98 3634325.90 57.16349 504371.98
3634325.90 44.65474
504421.98 3634325.90 31.72373 504471.98
3634325.90 25.25982
504521.98 3634325.90 20.57328 504571.98
3634325.90 17.10235
504621.98 3634325.90 14.66144 504671.98
3634325.90 12.94500
504721.98 3634325.90 11.82030 502721.98
3634375.90 12.58465
502771.98 3634375.90 13.50465 502821.98
3634375.90 14.51085
503021.98 3634375.90 20.41262 503071.98
3634375.90 22.56957
503121.98 3634375.90 25.05558 503171.98
3634375.90 28.03627
503221.98 3634375.90 31.72307 503271.98
3634375.90 36.31964
504221.98 3634375.90 90.38422 504271.98
3634375.90 72.37434
504321.98 3634375.90 60.26205 504371.98
3634375.90 43.84392
504421.98 3634375.90 29.19351 504471.98
3634375.90 23.05120
504521.98 3634375.90 19.33025 504571.98
3634375.90 16.65743
504621.98 3634375.90 14.69038 504671.98
3634375.90 13.17915
504721.98 3634375.90 12.01770 502721.98
3634425.90 12.64178
502771.98 3634425.90 13.54298 502821.98
3634425.90 14.55999
504271.98 3634425.90 76.41356 504321.98
3634425.90 62.36809
504371.98 3634425.90 46.98843 504421.98
3634425.90 31.59422
504471.98 3634425.90 24.07656 504521.98

```
3634425.90       20.08345
         504571.98    3634425.90       17.80505                       504621.98
3634425.90       16.02141
         504671.98    3634425.90       14.28510                       504721.98
3634425.90       12.74860
         502721.98    3634475.90       12.71647                       502771.98
3634475.90       13.66200
         502821.98    3634475.90       14.71201                       504321.98
3634475.90       66.13900
         504371.98    3634475.90       53.98930                       504421.98
3634475.90       41.84311
         504471.98    3634475.90       29.60017                       504521.98
3634475.90       23.99868
         504571.98    3634475.90       21.04511                       504621.98
3634475.90       18.82593
         504671.98    3634475.90       16.04912                       504721.98
3634475.90       13.82568
         502721.98    3634525.90       12.71492                       502771.98
3634525.90       13.62258
         504371.98    3634525.90       58.45458                       504421.98
3634525.90       48.13694
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 552
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
```

504471.98 3634525.90 40.26517 504521.98 3634525.90 33.20118
504571.98 3634525.90 28.06204 504621.98 3634525.90 23.34481
504671.98 3634525.90 18.56444 504721.98 3634525.90 15.54719
502721.98 3634575.90 12.62411 502771.98 3634575.90 13.53288
504421.98 3634575.90 52.86478 504471.98 3634575.90 43.49995
504521.98 3634575.90 37.34144 504571.98 3634575.90 32.51317
504621.98 3634575.90 27.33741 504671.98 3634575.90 22.18290
504721.98 3634575.90 18.40477 502721.98 3634625.90 12.48927
502771.98 3634625.90 13.37017 502821.98 3634625.90 14.38455
502871.98 3634625.90 15.51143 502921.98 3634625.90 16.78778
502971.98 3634625.90 18.26571 503021.98 3634625.90 19.97597
503071.98 3634625.90 21.96918 503121.98 3634625.90 24.31287
504471.98 3634625.90 48.62458 504521.98 3634625.90 39.85241
504571.98 3634625.90 34.23094 504621.98 3634625.90 30.17304
504671.98 3634625.90 26.97917 504721.98 3634625.90 22.75295
502721.98 3634675.90 12.31713 502771.98 3634675.90 13.17297
502821.98 3634675.90 14.14676 502871.98 3634675.90 15.22908
502921.98 3634675.90 16.45276 502971.98 3634675.90 17.86011
503021.98 3634675.90 19.46211 503071.98 3634675.90 21.32440
503121.98 3634675.90 23.52739 503171.98 3634675.90 26.10696
503221.98 3634675.90 29.18090 503271.98 3634675.90 32.84989
503321.98 3634675.90 37.41023 503371.98 3634675.90 43.11835
503421.98 3634675.90 50.36242 503471.98 3634675.90 59.62110
503521.98 3634675.90 71.77093 504521.98 3634675.90 45.22774
504571.98 3634675.90 36.88670 504621.98 3634675.90 31.64165

```
         504671.98    3634675.90       27.82283                       504721.98
3634675.90       24.97966
         502721.98    3634725.90       12.10100                       502771.98
3634725.90       12.91859
         502821.98    3634725.90       13.83478                       502871.98
3634725.90       14.87434
         502921.98    3634725.90       16.03226                       502971.98
3634725.90       17.34473
         503021.98    3634725.90       18.84704                       503071.98
3634725.90       20.56403
         503121.98    3634725.90       22.57960                       503171.98
3634725.90       24.92731
         503221.98    3634725.90       27.69031                       503271.98
3634725.90       30.96041
         503321.98    3634725.90       34.93938                       503371.98
3634725.90       39.78994
         503421.98    3634725.90       45.73551                       503471.98
3634725.90       52.96731
         503521.98    3634725.90       62.04507                       503571.98
3634725.90       73.40387
         503621.98    3634725.90       86.28048                       504571.98
3634725.90       42.43168
         504621.98    3634725.90       34.28143                       504671.98
3634725.90       29.30567
         504721.98    3634725.90       25.82559                       502721.98
3634775.90       11.84573
         502771.98    3634775.90       12.61503                       502821.98
3634775.90       13.48671
         502871.98    3634775.90       14.45993                       502921.98
3634775.90       15.54407
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 553
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502971.98	3634775.90	16.75874	503021.98	3634775.90	18.15395
503071.98	3634775.90	19.73235	503121.98	3634775.90	21.55587
503171.98	3634775.90	23.66723	503221.98	3634775.90	26.10770
503271.98	3634775.90	28.98672	503321.98	3634775.90	32.40513
503371.98	3634775.90	36.46441	503421.98	3634775.90	41.31806
503471.98	3634775.90	46.98169	503521.98	3634775.90	53.70366
503571.98	3634775.90	61.35994	503621.98	3634775.90	69.58947
503671.98	3634775.90	77.62835	503721.98	3634775.90	84.60704
503771.98	3634775.90	89.26669	503821.98	3634775.90	90.17231
504621.98	3634775.90	39.45494	504671.98	3634775.90	31.74607
504721.98	3634775.90	27.22767	502721.98	3634825.90	11.55372
502771.98	3634825.90	12.29142	502821.98	3634825.90	13.10095
502871.98	3634825.90	14.00230	502921.98	3634825.90	15.01243
502971.98	3634825.90	16.14134	503021.98	3634825.90	17.41468
503071.98	3634825.90	18.85333	503121.98	3634825.90	20.50378
503171.98	3634825.90	22.37461	503221.98	3634825.90	24.54336
503271.98	3634825.90	27.05851	503321.98	3634825.90	29.98136
503371.98	3634825.90	33.35823	503421.98	3634825.90	37.21182
503471.98	3634825.90	41.60253	503521.98	3634825.90	46.52989
503571.98	3634825.90	51.86790	503621.98	3634825.90	57.19816
503671.98	3634825.90	62.16632	503721.98		

```
3634825.90       66.28738
         503771.98    3634825.90       68.99252                       503821.98
3634825.90       69.78445
         503871.98    3634825.90       68.64985                       503921.98
3634825.90       66.02028
         504671.98    3634825.90       36.29386                       504721.98
3634825.90       29.44002
         502721.98    3634875.90       11.23661                       502771.98
3634875.90       11.92739
         502821.98    3634875.90       12.68701                       502871.98
3634875.90       13.51918
         502921.98    3634875.90       14.45951                       502971.98
3634875.90       15.50162
         503021.98    3634875.90       16.66771                       503071.98
3634875.90       17.97856
         503121.98    3634875.90       19.46067                       503171.98
3634875.90       21.12174
         503221.98    3634875.90       23.03998                       503271.98
3634875.90       25.22746
         503321.98    3634875.90       27.67863                       503371.98
3634875.90       30.46264
         503421.98    3634875.90       33.55411                       503471.98
3634875.90       36.92186
         503521.98    3634875.90       40.55925                       503571.98
3634875.90       44.29254
         503621.98    3634875.90       47.93646                       503671.98
3634875.90       51.20729
         503721.98    3634875.90       53.79479                       503771.98
3634875.90       55.50682
         503821.98    3634875.90       56.10481                       503871.98
3634875.90       56.03586
         503921.98    3634875.90       56.00145                       504721.98
3634875.90       33.33658
         502721.98    3634925.90       10.90992                       502771.98
3634925.90       11.55111
         502821.98    3634925.90       12.26142                       502871.98
3634925.90       13.03322
         502921.98    3634925.90       13.90307                       502971.98
3634925.90       14.86142
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 554
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
```

```
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
         503021.98    3634925.90       15.92644                      503071.98
3634925.90       17.11484
         503121.98    3634925.90       18.44773                      503171.98
3634925.90       19.94048
         503221.98    3634925.90       21.61458                      503271.98
3634925.90       23.47817
         503321.98    3634925.90       25.54831                      503371.98
3634925.90       27.82483
         503421.98    3634925.90       30.28826                      503471.98
3634925.90       32.90630
         503521.98    3634925.90       35.61982                      503571.98
3634925.90       38.32508
         503621.98    3634925.90       40.90033                      503671.98
3634925.90       43.15658
         503721.98    3634925.90       44.52098                      503771.98
3634925.90       45.79497
         503821.98    3634925.90       47.16364                      503871.98
3634925.90       48.13554
         502721.98    3634975.90       10.57811                      502771.98
3634975.90       11.17236
         502821.98    3634975.90       11.83226                      502871.98
3634975.90       12.55812
         502921.98    3634975.90       13.35853                      502971.98
3634975.90       14.22423
         503021.98    3634975.90       15.19902                      503071.98
3634975.90       16.28058
         503121.98    3634975.90       17.47422                      503171.98
3634975.90       18.77357
         503221.98    3634975.90       20.22809                      503271.98
3634975.90       21.84461
         503321.98    3634975.90       23.59120                      503371.98
3634975.90       25.46568
```

```
         503421.98    3634975.90       27.41226                       503471.98
3634975.90       29.46758
         503521.98    3634975.90       31.50917                       503571.98
3634975.90       33.52545
         503621.98    3634975.90       35.41189                       503671.98
3634975.90       37.05664
         503721.98    3634975.90       37.86334                       503771.98
3634975.90       39.47322
         503821.98    3634975.90       40.56214                       503871.98
3634975.90       39.82506
         502721.98    3635025.90       10.24573                       502771.98
3635025.90       10.80963
         502821.98    3635025.90       11.42199                       502871.98
3635025.90       12.09157
         502921.98    3635025.90       12.82170                       502971.98
3635025.90       13.62505
         503021.98    3635025.90       14.50974                       503071.98
3635025.90       15.47982
         503121.98    3635025.90       16.54080                       503171.98
3635025.90       17.69905
         503221.98    3635025.90       18.96589                       503271.98
3635025.90       20.33079
         503321.98    3635025.90       21.78394                       503371.98
3635025.90       23.31328
         503421.98    3635025.90       24.88412                       503471.98
3635025.90       26.49669
         503521.98    3635025.90       28.08625                       503571.98
3635025.90       29.60760
         503621.98    3635025.90       31.00368                       503671.98
3635025.90       32.02705
         503721.98    3635025.90       33.24558                       503771.98
3635025.90       34.33623
         503821.98    3635025.90       35.08591                       504371.98
3635025.90       25.27491
         502721.98    3635075.90        9.92317                       502771.98
3635075.90       10.44623
         502821.98    3635075.90       11.01410                       502871.98
3635075.90       11.63182
         502921.98    3635075.90       12.30626                       502971.98
3635075.90       13.04123
         503021.98    3635075.90       13.84070                       503071.98
3635075.90       14.70989
         503121.98    3635075.90       15.65316                       503171.98
3635075.90       16.67023
         503221.98    3635075.90       17.76233                       503271.98
3635075.90       18.91827
         503321.98    3635075.90       20.13189                       503371.98
3635075.90       21.39003
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
```

                           *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                           INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000310   , L0000311   , L0000312   ,
                L0000313   , L0000314   , L0000315   , L0000316   , L0000317 , L0000318   , L0000319   , L0000910   ,
                L0000911   , L0000912   , L0000913   , L0000914   , L0000915 , L0000916   , L0000917   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3635125.90 16.62601
503271.98 3635125.90 17.61309 503321.98
3635125.90 18.62623
503371.98 3635125.90 19.66579 503421.98
3635125.90 20.72438
503471.98 3635125.90 21.75115 503521.98
3635125.90 22.74372
503571.98 3635125.90 23.49107 503621.98
3635125.90 24.39175
503671.98 3635125.90 25.03353 503721.98
3635125.90 26.21275
503771.98 3635125.90 26.94469 503821.98
3635125.90 26.95687
504371.98 3635125.90 21.49032 504421.98
3635125.90 21.06174
504471.98 3635125.90 20.79964 504521.98
3635125.90 20.73249
504571.98 3635125.90 20.89826 502721.98
3635175.90 9.28670
502771.98 3635175.90 9.73436 502821.98
3635175.90 10.22043
502871.98 3635175.90 10.74452 502921.98
3635175.90 11.32225
502971.98 3635175.90 11.93029 503021.98
3635175.90 12.57482
503071.98 3635175.90 13.26603 503121.98
3635175.90 14.00381
503171.98 3635175.90 14.77910 503221.98
3635175.90 15.57982
503271.98 3635175.90 16.41935 503321.98
3635175.90 17.26912
503371.98 3635175.90 18.13789 503421.98
3635175.90 19.01830
503471.98 3635175.90 19.82850 503521.98
3635175.90 20.63730
503571.98 3635175.90 21.22029 503621.98
3635175.90 21.90357
503671.98 3635175.90 22.61244 503721.98
3635175.90 23.66358
503771.98 3635175.90 23.84687 503821.98
3635175.90 22.95444
504371.98 3635175.90 19.88782 504421.98
3635175.90 19.51905
504471.98 3635175.90 19.26449 504521.98
3635175.90 19.15209
504571.98 3635175.90 19.23305 504621.98
3635175.90 19.43100
502721.98 3635225.90 8.97960 502771.98
3635225.90 9.40137
502821.98 3635225.90 9.85201 502871.98

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503221.98	3635225.90	14.62598	503271.98	3635225.90	15.34215
503321.98	3635225.90	16.06866	503371.98	3635225.90	16.79596
503421.98	3635225.90	17.51290	503471.98	3635225.90	18.20118
503521.98	3635225.90	18.83221	503571.98	3635225.90	19.27501
503621.98	3635225.90	19.96247	503671.98	3635225.90	20.79881
504371.98	3635225.90	18.45158	504421.98	3635225.90	18.13424
504471.98	3635225.90	17.89496	504521.98	3635225.90	17.75640

```
         504571.98    3635225.90       17.75384                    504621.98
3635225.90       17.90822
         502721.98    3635275.90        8.67715                    502771.98
3635275.90        9.06343
         502821.98    3635275.90        9.47824                    502871.98
3635275.90        9.92330
         502921.98    3635275.90       10.38929                    502971.98
3635275.90       10.88786
         503021.98    3635275.90       11.40543                    503071.98
3635275.90       11.95100
         503121.98    3635275.90       12.51849                    503171.98
3635275.90       13.10569
         503221.98    3635275.90       13.73166                    503271.98
3635275.90       14.34427
         503321.98    3635275.90       14.96449                    503371.98
3635275.90       15.57061
         503421.98    3635275.90       16.17542                    503471.98
3635275.90       16.75209
         503521.98    3635275.90       17.30970                    503571.98
3635275.90       17.70356
         503621.98    3635275.90       18.17179                    504371.98
3635275.90       17.14624
         504421.98    3635275.90       16.97405                    504471.98
3635275.90       16.66403
         504521.98    3635275.90       16.51772                    504571.98
3635275.90       16.46095
         504621.98    3635275.90       16.53014                    504671.98
3635275.90       16.69440
         502721.98    3635325.90        8.38487                    502771.98
3635325.90        8.74276
         502821.98    3635325.90        9.12427                    502871.98
3635325.90        9.52903
         502921.98    3635325.90        9.95265                    502971.98
3635325.90       10.40412
         503021.98    3635325.90       10.86505                    503071.98
3635325.90       11.34904
         503121.98    3635325.90       11.84766                    503171.98
3635325.90       12.36058
         503221.98    3635325.90       12.90767                    503271.98
3635325.90       13.43362
         503321.98    3635325.90       13.96060                    503371.98
3635325.90       14.47414
         503421.98    3635325.90       14.97943                    503471.98
3635325.90       15.47023
         503521.98    3635325.90       15.94490                    503571.98
3635325.90       16.35860
         503621.98    3635325.90       16.64281                    504371.98
3635325.90       16.11373
         504421.98    3635325.90       15.83719                    504471.98
3635325.90       15.55340
```

```
         504521.98    3635325.90       15.40286                       504571.98
3635325.90       15.31557
         504621.98    3635325.90       15.32792                       504671.98
3635325.90       15.44359
         504721.98    3635325.90       15.57017                       502721.98
3635375.90        8.07232
         502771.98    3635375.90        8.25900                       502821.98
3635375.90        8.58490
         502871.98    3635375.90        8.94201                       502921.98
3635375.90        9.34800
         502971.98    3635375.90        9.90200                       503021.98
3635375.90       10.20704
         503071.98    3635375.90       10.59769                       503121.98
3635375.90       11.17713
         503171.98    3635375.90       11.65873                       503221.98
3635375.90       12.15059
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 557
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         503271.98    3635375.90       12.60475                       503321.98
3635375.90       13.05413
         503371.98    3635375.90       13.49375                       503421.98
3635375.90       13.92917
         503471.98    3635375.90       14.34785                       503521.98
```

```
3635375.90       14.74847
         503571.98    3635375.90       15.10160                    503621.98
3635375.90       15.37037
         503671.98    3635375.90       15.76653                    503721.98
3635375.90       16.44563
         504371.98    3635375.90       15.05394                    504421.98
3635375.90       14.76935
         504471.98    3635375.90       14.54354                    504521.98
3635375.90       14.40088
         504571.98    3635375.90       14.29802                    504621.98
3635375.90       14.30146
         504671.98    3635375.90       14.32747                    504721.98
3635375.90       14.39546
         502721.98    3635425.90        7.71442                    502771.98
3635425.90        7.94151
         502821.98    3635425.90        8.24450                    502871.98
3635425.90        8.57304
         502921.98    3635425.90        8.92555                    502971.98
3635425.90        9.30342
         503021.98    3635425.90        9.68479                    503071.98
3635425.90       10.07845
         503121.98    3635425.90       10.60949                    503171.98
3635425.90       11.01048
         503221.98    3635425.90       11.44063                    503271.98
3635425.90       11.76287
         503321.98    3635425.90       12.14900                    503371.98
3635425.90       12.58376
         503421.98    3635425.90       12.97366                    503471.98
3635425.90       13.29443
         503521.98    3635425.90       13.61113                    503571.98
3635425.90       13.93336
         503621.98    3635425.90       14.22766                    503671.98
3635425.90       14.57521
         503721.98    3635425.90       14.95245                    503771.98
3635425.90       15.29947
         503821.98    3635425.90       15.63894                    504371.98
3635425.90       14.13806
         504421.98    3635425.90       13.94947                    504471.98
3635425.90       13.76388
         504521.98    3635425.90       13.49418                    504571.98
3635425.90       13.38706
         504621.98    3635425.90       13.39622                    504671.98
3635425.90       13.35802
         504721.98    3635425.90       13.36220                    502721.98
3635475.90        7.39878
         502771.98    3635475.90        7.65382                    502821.98
3635475.90        7.94293
         502871.98    3635475.90        8.24831                    502921.98
3635475.90        8.58236
         502971.98    3635475.90        8.90463                    503021.98
```

```
3635475.90        9.24903
         503071.98    3635475.90        9.62530                      503121.98
3635475.90       10.07608
         503171.98    3635475.90       10.42248                      503221.98
3635475.90       10.74818
         503271.98    3635475.90       11.07258                      503321.98
3635475.90       11.40381
         503371.98    3635475.90       11.74044                      503421.98
3635475.90       12.06845
         503471.98    3635475.90       12.38612                      503521.98
3635475.90       12.68900
         503571.98    3635475.90       12.95018                      503621.98
3635475.90       13.20117
         503671.98    3635475.90       13.44277                      503721.98
3635475.90       13.67720
         503771.98    3635475.90       14.06691                      503821.98
3635475.90       14.24414
         503871.98    3635475.90       14.39180                      503921.98
3635475.90       14.60761
         504371.98    3635475.90       13.07761                      504421.98
3635475.90       12.93301
         504471.98    3635475.90       12.90528                      504521.98
3635475.90       12.66714
         504571.98    3635475.90       12.63371                      504621.98
3635475.90       12.57107
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 558
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504671.98	3635475.90	12.50848	504721.98	3635475.90	12.61711
502221.98	3632975.90	12.18653	502271.98	3632975.90	12.33153
502321.98	3632975.90	12.47914	502371.98	3632975.90	12.63213
502421.98	3632975.90	12.77929	502471.98	3632975.90	12.91796
502521.98	3632975.90	12.99067	502571.98	3632975.90	13.10759
502621.98	3632975.90	13.23753	502671.98	3632975.90	13.38423
502721.98	3632975.90	13.53981	502771.98	3632975.90	13.72238
502821.98	3632975.90	13.35329	502871.98	3632975.90	13.07756
502921.98	3632975.90	13.21948	502971.98	3632975.90	9.64657
503021.98	3632975.90	9.74520	503071.98	3632975.90	12.64069
503121.98	3632975.90	14.10123	503171.98	3632975.90	14.80303
503221.98	3632975.90	15.47744	503271.98	3632975.90	16.31523
503321.98	3632975.90	17.49535	503371.98	3632975.90	19.25946
503421.98	3632975.90	22.37813	503471.98	3632975.90	28.74717
503621.98	3632975.90	35.06697	503671.98	3632975.90	22.37731
503721.98	3632975.90	16.17554	503771.98	3632975.90	12.01850
503821.98	3632975.90	8.76260	503871.98	3632975.90	7.31140
503921.98	3632975.90	6.63718	503971.98	3632975.90	6.22725
504021.98	3632975.90	5.85569	504071.98	3632975.90	5.62366
504121.98	3632975.90	5.34074	504171.98	3632975.90	5.17045
504221.98	3632975.90	5.00651	504271.98	3632975.90	4.87080
504321.98	3632975.90	4.73996	504371.98	3632975.90	4.57899
504421.98	3632975.90	4.45408	504471.98	3632975.90	4.35188

```
         504521.98    3632975.90        4.27231                        504571.98
3632975.90        4.19358
         504621.98    3632975.90        4.11757                        504671.98
3632975.90        4.05576
         504721.98    3632975.90        4.00751                        504771.98
3632975.90        3.96371
         504821.98    3632975.90        3.90975                        504871.98
3632975.90        3.86627
         504921.98    3632975.90        3.83104                        504971.98
3632975.90        3.79099
         505021.98    3632975.90        3.74235                        505071.98
3632975.90        3.70277
         505121.98    3632975.90        3.68376                        505171.98
3632975.90        3.68711
         505221.98    3632975.90        3.69827                        502221.98
3633025.90       10.76714
         502271.98    3633025.90       11.05083                        502321.98
3633025.90       11.19139
         502371.98    3633025.90       11.37240                        502421.98
3633025.90       11.55105
         502471.98    3633025.90       11.68482                        502521.98
3633025.90       11.84332
         502571.98    3633025.90       12.00481                        502621.98
3633025.90       12.18681
         502671.98    3633025.90       12.35749                        502721.98
3633025.90       12.53873
         502771.98    3633025.90       12.74664                        502821.98
3633025.90       12.33500
         502871.98    3633025.90       12.26980                        502921.98
3633025.90       12.23765
         502971.98    3633025.90        9.21641                        503021.98
3633025.90       10.27007
         503071.98    3633025.90       12.67006                        503121.98
3633025.90       13.58080
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 559
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
```

L0000911 , L0000912 , L0000913 , L0000914 , L0000915
, L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503171.98	3633025.90	14.20032	503221.98	3633025.90	14.95858
503271.98	3633025.90	15.80189	503321.98	3633025.90	17.01639
503371.98	3633025.90	18.82704	503421.98	3633025.90	22.19076
503471.98	3633025.90	28.81245	503621.98	3633025.90	36.05464
503671.98	3633025.90	23.53055	503721.98	3633025.90	17.71627
503771.98	3633025.90	11.27726	503821.98	3633025.90	8.69648
503871.98	3633025.90	7.47521	503921.98	3633025.90	6.82040
503971.98	3633025.90	6.38436	504021.98	3633025.90	6.03910
504071.98	3633025.90	5.75389	504121.98	3633025.90	5.52543
504171.98	3633025.90	5.34420	504221.98	3633025.90	5.19510
504271.98	3633025.90	5.05213	504321.98	3633025.90	4.91598
504371.98	3633025.90	4.75618	504421.98	3633025.90	4.62846
504471.98	3633025.90	4.52655	504521.98	3633025.90	4.42606
504571.98	3633025.90	4.34116	504621.98	3633025.90	4.27120
504671.98	3633025.90	4.21571	504721.98	3633025.90	4.17079
504771.98	3633025.90	4.13361	504821.98	3633025.90	4.09014
504871.98	3633025.90	4.06193	504921.98	3633025.90	4.02685
504971.98	3633025.90	3.97619	505021.98	3633025.90	3.91566
505071.98	3633025.90	3.87438	505121.98		

3633025.90   3.85984
         505171.98   3633025.90   3.87012   505221.98
3633025.90   3.90470
         502221.98   3633075.90   9.89429   502271.98
3633075.90   10.14815
         502321.98   3633075.90   10.32915   502371.98
3633075.90   10.50994
         502421.98   3633075.90   10.69395   502471.98
3633075.90   10.84050
         502521.98   3633075.90   11.02393   502571.98
3633075.90   11.22952
         502621.98   3633075.90   11.42838   502671.98
3633075.90   11.60840
         502721.98   3633075.90   11.84784   502771.98
3633075.90   12.07020
         502821.98   3633075.90   11.83439   502871.98
3633075.90   11.82818
         502921.98   3633075.90   11.82937   502971.98
3633075.90   11.63113
         503021.98   3633075.90   12.10849   503071.98
3633075.90   12.57273
         503121.98   3633075.90   13.23651   503171.98
3633075.90   13.90136
         503221.98   3633075.90   14.78220   503271.98
3633075.90   15.58413
         503321.98   3633075.90   16.80831   503371.98
3633075.90   18.68457
         503421.98   3633075.90   22.10844   503471.98
3633075.90   28.86092
         503621.98   3633075.90   36.53278   503671.98
3633075.90   23.16608
         503721.98   3633075.90   17.14217   503771.98
3633075.90   11.17441
         503821.98   3633075.90   8.77827   503871.98
3633075.90   7.60724
         503921.98   3633075.90   7.03382   503971.98
3633075.90   6.64126
         504021.98   3633075.90   6.25699   504071.98
3633075.90   5.96904
         504121.98   3633075.90   5.73977   504171.98
3633075.90   5.55287
         504221.98   3633075.90   5.39476   504271.98
3633075.90   5.24851

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
504321.98	3633075.90	5.12106	504371.98	3633075.90	4.94866
504421.98	3633075.90	4.82886	504471.98	3633075.90	4.70522
504521.98	3633075.90	4.59808	504571.98	3633075.90	4.51444
504621.98	3633075.90	4.44577	504671.98	3633075.90	4.39525
504721.98	3633075.90	4.35394	504771.98	3633075.90	4.32454
504821.98	3633075.90	4.29328	504871.98	3633075.90	4.27028
504921.98	3633075.90	4.25139	504971.98	3633075.90	4.18144
505021.98	3633075.90	4.11330	505071.98	3633075.90	4.06741
505121.98	3633075.90	4.05018	505171.98	3633075.90	4.06353
505221.98	3633075.90	4.09037	502221.98	3633125.90	9.28215
502271.98	3633125.90	9.49077	502321.98	3633125.90	9.68399
502371.98	3633125.90	9.87438	502421.98	3633125.90	10.07388
502471.98	3633125.90	10.25648	502521.98	3633125.90	10.45512
502571.98	3633125.90	10.66233	502621.98	3633125.90	10.87774

502671.98	3633125.90	11.11874	502721.98	3633125.90	11.35437
502771.98	3633125.90	11.63249	502821.98	3633125.90	11.90772
502871.98	3633125.90	11.59506	502921.98	3633125.90	11.73595
502971.98	3633125.90	11.74806	503021.98	3633125.90	11.96526
503071.98	3633125.90	12.49923	503121.98	3633125.90	13.10812
503171.98	3633125.90	13.86909	503221.98	3633125.90	14.70268
503271.98	3633125.90	15.59057	503321.98	3633125.90	16.88727
503371.98	3633125.90	18.71945	503421.98	3633125.90	22.17264
503471.98	3633125.90	28.95680	503621.98	3633125.90	36.02589
503671.98	3633125.90	21.48179	503721.98	3633125.90	16.05369
503771.98	3633125.90	10.80591	503821.98	3633125.90	8.89049
503871.98	3633125.90	7.84511	503921.98	3633125.90	7.28585
503971.98	3633125.90	6.88763	504021.98	3633125.90	6.45964
504071.98	3633125.90	6.19962	504121.98	3633125.90	5.99083
504171.98	3633125.90	5.80229	504221.98	3633125.90	5.63275
504271.98	3633125.90	5.48578	504321.98	3633125.90	5.33364
504371.98	3633125.90	5.18365	504421.98	3633125.90	5.05691
504471.98	3633125.90	4.91462	504521.98	3633125.90	4.79910
504571.98	3633125.90	4.71188	504621.98	3633125.90	4.65179
504671.98	3633125.90	4.60815	504721.98	3633125.90	4.56829
504771.98	3633125.90	4.53708	504821.98	3633125.90	4.50684
504871.98	3633125.90	4.49493	504921.98	3633125.90	4.51453
504971.98	3633125.90	4.43110	505021.98	3633125.90	4.33680
505071.98	3633125.90	4.26943	505121.98	3633125.90	4.25089
505171.98	3633125.90	4.25813	505221.98	3633125.90	4.29125

```
         502221.98    3633175.90        8.79050                      502271.98
3633175.90        8.98753
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 561
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
         502321.98    3633175.90        9.18930                      502371.98
3633175.90        9.42339
         502421.98    3633175.90        9.64554                      502471.98
3633175.90        9.84120
         502521.98    3633175.90       10.05966                      502571.98
3633175.90       10.29066
         502621.98    3633175.90       10.52851                      502671.98
3633175.90       10.78847
         502721.98    3633175.90       11.07762                      502771.98
3633175.90       11.17537
         502821.98    3633175.90       11.06464                      502871.98
3633175.90       11.74471
         502921.98    3633175.90       11.66003                      502971.98
3633175.90       11.98431
         503021.98    3633175.90       12.22677                      503071.98
3633175.90       12.74422
         503121.98    3633175.90       13.19942                      503171.98
3633175.90       14.01822
         503221.98    3633175.90       14.65909                      503271.98
```

```
3633175.90       15.58023
         503321.98    3633175.90       16.95833                  503371.98
3633175.90       18.83525
         503421.98    3633175.90       22.29964                  503471.98
3633175.90       29.33319
         503621.98    3633175.90       29.90715                  503671.98
3633175.90       20.95466
         503721.98    3633175.90       14.24998                  503771.98
3633175.90       10.66470
         503821.98    3633175.90        9.02464                  503871.98
3633175.90        8.07577
         503921.98    3633175.90        7.56353                  503971.98
3633175.90        7.15336
         504021.98    3633175.90        6.71423                  504071.98
3633175.90        6.46274
         504121.98    3633175.90        6.27369                  504171.98
3633175.90        6.12071
         504221.98    3633175.90        5.92725                  504271.98
3633175.90        5.75217
         504321.98    3633175.90        5.59017                  504371.98
3633175.90        5.49248
         504421.98    3633175.90        5.31360                  504471.98
3633175.90        5.14757
         504521.98    3633175.90        5.02317                  504571.98
3633175.90        4.93803
         504621.98    3633175.90        4.89128                  504671.98
3633175.90        4.85978
         504721.98    3633175.90        4.82131                  504771.98
3633175.90        4.78400
         504821.98    3633175.90        4.74436                  504871.98
3633175.90        4.74207
         504921.98    3633175.90        4.79992                  504971.98
3633175.90        4.67116
         505021.98    3633175.90        4.55546                  505071.98
3633175.90        4.49283
         505121.98    3633175.90        4.46659                  505171.98
3633175.90        4.45843
         505221.98    3633175.90        4.46891                  502221.98
3633225.90        8.42500
         502271.98    3633225.90        8.64042                  502321.98
3633225.90        8.84594
         502371.98    3633225.90        9.08889                  502421.98
3633225.90        9.31321
         502471.98    3633225.90        9.51271                  502521.98
3633225.90        9.75359
         502571.98    3633225.90        9.99671                  502621.98
3633225.90       10.26123
         502671.98    3633225.90       10.53713                  502721.98
3633225.90       10.84750
         502771.98    3633225.90       11.13782                  502821.98
```

3633225.90   11.23898
         502871.98   3633225.90   11.36291   502921.98
3633225.90   11.80317
         502971.98   3633225.90   12.26984   503021.98
3633225.90   12.38703
         503071.98   3633225.90   12.90209   503121.98
3633225.90   13.53122
         503171.98   3633225.90   14.13465   503221.98
3633225.90   14.81448
         503271.98   3633225.90   15.75431   503321.98
3633225.90   17.04281

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         503371.98   3633225.90   18.97230   503421.98
3633225.90   22.55887
         503471.98   3633225.90   30.15478   503621.98
3633225.90   29.84111
         503671.98   3633225.90   19.65953   503721.98
3633225.90   13.70663
         503771.98   3633225.90   10.90504   503821.98
3633225.90   9.23330
         503871.98   3633225.90   8.39531   503921.98
3633225.90   7.84285

503971.98 3633225.90 7.44487 504021.98
3633225.90 7.08089
504071.98 3633225.90 6.83321 504121.98
3633225.90 6.65767
504171.98 3633225.90 6.48289 504221.98
3633225.90 6.19129
504271.98 3633225.90 6.01422 504321.98
3633225.90 5.92616
504371.98 3633225.90 5.83139 504421.98
3633225.90 5.60275
504471.98 3633225.90 5.42400 504521.98
3633225.90 5.29216
504571.98 3633225.90 5.21152 504621.98
3633225.90 5.17219
504671.98 3633225.90 5.16263 504721.98
3633225.90 5.13102
504771.98 3633225.90 5.07039 504821.98
3633225.90 5.05986
504871.98 3633225.90 5.04330 504921.98
3633225.90 5.09384
504971.98 3633225.90 4.95672 505021.98
3633225.90 4.82867
505071.98 3633225.90 4.76468 505121.98
3633225.90 4.70724
505171.98 3633225.90 4.64148 505221.98
3633225.90 4.62975
502221.98 3633275.90 8.13755 502271.98
3633275.90 8.35651
502321.98 3633275.90 8.59178 502371.98
3633275.90 8.82684
502421.98 3633275.90 9.05340 502471.98
3633275.90 9.28991
502521.98 3633275.90 9.53894 502571.98
3633275.90 9.79678
502621.98 3633275.90 10.07845 502671.98
3633275.90 10.36848
502721.98 3633275.90 10.67546 502771.98
3633275.90 11.01060
502821.98 3633275.90 10.48530 502871.98
3633275.90 11.24145
502921.98 3633275.90 11.92543 502971.98
3633275.90 12.36920
503021.98 3633275.90 12.54575 503071.98
3633275.90 13.38907
503121.98 3633275.90 14.07871 503171.98
3633275.90 14.78924
503221.98 3633275.90 15.12955 503271.98
3633275.90 15.80242
503321.98 3633275.90 17.23096 503371.98
3633275.90 19.22182

```
         503421.98    3633275.90       22.92079                       503471.98
3633275.90       21.83775
         503621.98    3633275.90       25.38150                       503671.98
3633275.90       18.13994
         503721.98    3633275.90       13.37235                       503771.98
3633275.90       10.96197
         503821.98    3633275.90        9.46133                       503871.98
3633275.90        8.70800
         503921.98    3633275.90        8.23273                       503971.98
3633275.90        7.99327
         504021.98    3633275.90        7.62114                       504071.98
3633275.90        7.28627
         504121.98    3633275.90        7.14709                       504171.98
3633275.90        6.83771
         504221.98    3633275.90        6.52904                       504271.98
3633275.90        6.35274
         504321.98    3633275.90        6.32451                       504371.98
3633275.90        6.29347
         504421.98    3633275.90        6.00232                       504471.98
3633275.90        5.76787
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 563
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         504521.98    3633275.90        5.61473                       504571.98
```

3633275.90 5.53703
504621.98 3633275.90 5.51599 504671.98
3633275.90 5.52826
504721.98 3633275.90 5.46833 504771.98
3633275.90 5.33704
504821.98 3633275.90 5.34333 504871.98
3633275.90 5.38951
504921.98 3633275.90 5.44567 504971.98
3633275.90 5.30723
505021.98 3633275.90 5.16900 505071.98
3633275.90 5.09738
505121.98 3633275.90 4.99531 505171.98
3633275.90 4.85617
505221.98 3633275.90 4.82078 502221.98
3633325.90 7.92229
502271.98 3633325.90 8.15100 502321.98
3633325.90 8.38657
502371.98 3633325.90 8.62348 502421.98
3633325.90 8.86548
502471.98 3633325.90 9.10569 502521.98
3633325.90 9.37551
502571.98 3633325.90 9.65397 502621.98
3633325.90 9.95082
502671.98 3633325.90 10.26052 502721.98
3633325.90 10.58793
502771.98 3633325.90 10.81326 502821.98
3633325.90 11.07395
502871.98 3633325.90 11.71896 502921.98
3633325.90 12.15158
502971.98 3633325.90 12.55053 503021.98
3633325.90 12.94736
503071.98 3633325.90 13.68689 503121.98
3633325.90 14.46260
503171.98 3633325.90 15.27407 503221.98
3633325.90 15.99529
503271.98 3633325.90 15.94841 503321.98
3633325.90 17.40722
503371.98 3633325.90 19.43628 503421.98
3633325.90 22.26745
503471.98 3633325.90 17.49690 503621.98
3633325.90 23.06013
503671.98 3633325.90 17.10740 503721.98
3633325.90 13.09869
503771.98 3633325.90 11.20663 503821.98
3633325.90 9.86801
503871.98 3633325.90 9.08988 503921.98
3633325.90 8.82648
503971.98 3633325.90 8.78377 504021.98
3633325.90 8.30591
504071.98 3633325.90 7.85180 504121.98

```
3633325.90        7.78631
         504171.98    3633325.90        7.26518                        504221.98
3633325.90        6.90061
         504271.98    3633325.90        6.79626                        504321.98
3633325.90        6.90101
         504371.98    3633325.90        6.86857                        504421.98
3633325.90        6.48043
         504471.98    3633325.90        6.18035                        504521.98
3633325.90        5.99401
         504571.98    3633325.90        5.93035                        504621.98
3633325.90        5.92852
         504671.98    3633325.90        5.96340                        504721.98
3633325.90        5.85424
         504771.98    3633325.90        5.68328                        504821.98
3633325.90        5.65473
         504871.98    3633325.90        5.79825                        504921.98
3633325.90        5.86368
         504971.98    3633325.90        5.71511                        505021.98
3633325.90        5.58275
         505071.98    3633325.90        5.49666                        505121.98
3633325.90        5.26478
         505171.98    3633325.90        5.09725                        505221.98
3633325.90        5.06863
         502221.98    3633375.90        7.76493                        502271.98
3633375.90        7.99354
         502321.98    3633375.90        8.22775                        502371.98
3633375.90        8.46927
         502421.98    3633375.90        8.72259                        502471.98
3633375.90        8.98433
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 564
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502521.98	3633375.90	9.26405	502571.98	3633375.90	9.55864
502621.98	3633375.90	9.87026	502671.98	3633375.90	10.20040
502721.98	3633375.90	10.54925	502771.98	3633375.90	10.92178
502821.98	3633375.90	11.32155	502871.98	3633375.90	11.74919
502921.98	3633375.90	12.22115	502971.98	3633375.90	12.73952
503021.98	3633375.90	13.30602	503071.98	3633375.90	13.95173
503121.98	3633375.90	14.67788	503171.98	3633375.90	15.52737
503221.98	3633375.90	16.44653	503271.98	3633375.90	17.53106
503321.98	3633375.90	18.26654	503371.98	3633375.90	19.69636
503421.98	3633375.90	18.76707	503471.98	3633375.90	21.36837
503621.98	3633375.90	24.33587	503671.98	3633375.90	17.60068
503721.98	3633375.90	13.73107	503771.98	3633375.90	11.88553
503821.98	3633375.90	10.81935	503871.98	3633375.90	9.83057
503921.98	3633375.90	9.66336	503971.98	3633375.90	9.78737
504021.98	3633375.90	9.09365	504071.98	3633375.90	8.53277
504121.98	3633375.90	8.52839	504171.98	3633375.90	7.73568
504221.98	3633375.90	7.45250	504271.98	3633375.90	7.49812
504321.98	3633375.90	7.67555	504371.98	3633375.90	7.60398
504421.98	3633375.90	7.03412	504471.98	3633375.90	6.63572
504521.98	3633375.90	6.41868	504571.98	3633375.90	6.39809
504621.98	3633375.90	6.42274	504671.98	3633375.90	6.49870

```
         504721.98    3633375.90        6.29585                        504771.98
3633375.90        6.08900
         504821.98    3633375.90        6.09422                        504871.98
3633375.90        6.34751
         504921.98    3633375.90        6.33111                        504971.98
3633375.90        6.19835
         505021.98    3633375.90        6.03818                        505071.98
3633375.90        5.77877
         505121.98    3633375.90        5.51412                        505171.98
3633375.90        5.35707
         505221.98    3633375.90        5.35427                        502221.98
3633425.90        7.62694
         502271.98    3633425.90        7.85526                        502321.98
3633425.90        8.09001
         502371.98    3633425.90        8.34096                        502421.98
3633425.90        8.60962
         502471.98    3633425.90        8.91500                        502521.98
3633425.90        9.20254
         502571.98    3633425.90        9.50564                        502621.98
3633425.90        9.83284
         502671.98    3633425.90       10.17174                        502721.98
3633425.90       10.53862
         502771.98    3633425.90       10.93588                        502821.98
3633425.90       11.35807
         502871.98    3633425.90       11.81670                        502921.98
3633425.90       12.32333
         502971.98    3633425.90       12.87353                        503021.98
3633425.90       13.47728
         503071.98    3633425.90       14.15968                        503121.98
3633425.90       14.91395
         503171.98    3633425.90       15.81388                        503221.98
3633425.90       16.88302
         503271.98    3633425.90       18.04278                        503321.98
3633425.90       18.59715
         503371.98    3633425.90       19.41612                        503421.98
3633425.90       20.24849
         503471.98    3633425.90       25.33584                        503621.98
3633425.90       30.08670
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 565
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
```

L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000310 , L0000311 , L0000312 ,
L0000313 , L0000314 , L0000315 , L0000316 , L0000317
, L0000318 , L0000319 , L0000910 ,
L0000911 , L0000912 , L0000913 , L0000914 , L0000915
, L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503671.98	3633425.90	19.91997	503721.98	3633425.90	14.86279
503771.98	3633425.90	12.76539	503821.98	3633425.90	11.69428
503871.98	3633425.90	10.93031	503921.98	3633425.90	11.06591
503971.98	3633425.90	10.80745	504021.98	3633425.90	9.96594
504071.98	3633425.90	9.39979	504121.98	3633425.90	9.43199
504171.98	3633425.90	8.58625	504221.98	3633425.90	8.45612
504271.98	3633425.90	8.66480	504321.98	3633425.90	8.92644
504371.98	3633425.90	8.29604	504421.98	3633425.90	7.64144
504471.98	3633425.90	7.19692	504521.98	3633425.90	6.93075
504571.98	3633425.90	6.94816	504621.98	3633425.90	7.05783
504671.98	3633425.90	7.07329	504721.98	3633425.90	6.94981
504771.98	3633425.90	6.72063	504821.98	3633425.90	6.60616
504871.98	3633425.90	6.91126	504921.98	3633425.90	6.78621
504971.98	3633425.90	6.57897	505021.98	3633425.90	6.19980
505071.98	3633425.90	5.93749	505121.98	3633425.90	5.75143
505171.98	3633425.90	5.63615	505221.98	3633425.90	5.66201
502221.98	3633475.90	7.52597	502271.98		

```
3633475.90        7.75878
         502321.98    3633475.90        8.00458                      502371.98
3633475.90        8.26622
         502421.98    3633475.90        8.54604                      502471.98
3633475.90        8.86874
         502521.98    3633475.90        9.15464                      502571.98
3633475.90        9.47270
         502621.98    3633475.90        9.81940                      502671.98
3633475.90       10.17711
         504771.98    3633475.90        7.68729                      504821.98
3633475.90        7.61836
         504871.98    3633475.90        7.49033                      504921.98
3633475.90        7.35662
         504971.98    3633475.90        6.96843                      505021.98
3633475.90        6.48775
         505071.98    3633475.90        6.22296                      505121.98
3633475.90        6.04067
         505171.98    3633475.90        5.90121                      505221.98
3633475.90        5.89596
         502221.98    3633525.90        7.46157                      502271.98
3633525.90        7.70037
         502321.98    3633525.90        7.95091                      502371.98
3633525.90        8.23156
         502421.98    3633525.90        8.52848                      502471.98
3633525.90        8.84747
         502521.98    3633525.90        9.13814                      502571.98
3633525.90        9.44754
         502621.98    3633525.90        9.81214                      502671.98
3633525.90       10.19486
         504771.98    3633525.90        8.22515                      504821.98
3633525.90        8.03649
         504871.98    3633525.90        7.88631                      504921.98
3633525.90        7.74893
         504971.98    3633525.90        7.58270                      505021.98
3633525.90        7.10450
         505071.98    3633525.90        6.64129                      505121.98
3633525.90        6.32513
         505171.98    3633525.90        6.16815                      505221.98
3633525.90        6.11292
         502221.98    3633575.90        7.43774                      502271.98
3633575.90        7.65531
         502321.98    3633575.90        7.91325                      502371.98
3633575.90        8.20587
         502421.98    3633575.90        8.50584                      502471.98
3633575.90        8.81070
         502521.98    3633575.90        9.13013                      502571.98
3633575.90        9.47365
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633575.90	9.84770	502671.98	3633575.90	10.24809
504771.98	3633575.90	8.70393	504821.98	3633575.90	8.53671
504871.98	3633575.90	8.38295	504921.98	3633575.90	8.12162
504971.98	3633575.90	8.02039	505021.98	3633575.90	7.71054
505071.98	3633575.90	7.14962	505121.98	3633575.90	6.68509
505171.98	3633575.90	6.47326	505221.98	3633575.90	6.43620
502221.98	3633625.90	7.41578	502271.98	3633625.90	7.62095
502321.98	3633625.90	7.90028	502371.98	3633625.90	8.19366
502421.98	3633625.90	8.51016	502471.98	3633625.90	8.81627
502521.98	3633625.90	9.17384	502571.98	3633625.90	9.53854
502621.98	3633625.90	9.93048	502671.98	3633625.90	10.34271
504771.98	3633625.90	9.21817	504821.98	3633625.90	9.29233

504871.98 3633625.90 8.91524 504921.98
3633625.90 8.64043
504971.98 3633625.90 8.50775 505021.98
3633625.90 8.21250
505071.98 3633625.90 7.56893 505121.98
3633625.90 7.07785
505171.98 3633625.90 6.77578 505221.98
3633625.90 6.71910
502221.98 3633675.90 7.37075 502271.98
3633675.90 7.59896
502321.98 3633675.90 7.88640 502371.98
3633675.90 8.18078
502421.98 3633675.90 8.51532 502471.98
3633675.90 8.85112
502521.98 3633675.90 9.21703 502571.98
3633675.90 9.59878
502621.98 3633675.90 10.00579 502671.98
3633675.90 10.43986
504771.98 3633675.90 10.07274 504821.98
3633675.90 9.90846
504871.98 3633675.90 9.66806 504921.98
3633675.90 9.39669
504971.98 3633675.90 9.08407 505021.98
3633675.90 8.67151
505071.98 3633675.90 7.92722 505121.98
3633675.90 7.29667
505171.98 3633675.90 6.97585 505221.98
3633675.90 6.87877
502221.98 3633725.90 7.34321 502271.98
3633725.90 7.58766
502321.98 3633725.90 7.89019 502371.98
3633725.90 8.20162
502421.98 3633725.90 8.53479 502471.98
3633725.90 8.88853
502521.98 3633725.90 9.26662 502571.98
3633725.90 9.66891
502621.98 3633725.90 10.09806 502671.98
3633725.90 10.55279
504771.98 3633725.90 11.37398 504821.98
3633725.90 10.73757
504871.98 3633725.90 10.44855 504921.98
3633725.90 9.99701
504971.98 3633725.90 9.50477 505021.98
3633725.90 8.88099
505071.98 3633725.90 8.02117 505121.98
3633725.90 7.39588
505171.98 3633725.90 7.15649 505221.98
3633725.90 6.99807
502221.98 3633775.90 7.33324 502271.98
3633775.90 7.58793

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502621.98   3633775.90   10.19146   502671.98
3633775.90   10.67071
         504771.98   3633775.90   12.65762   504821.98
3633775.90   11.99104
         504871.98   3633775.90   11.17202   504921.98
3633775.90   10.26945
         504971.98   3633775.90   9.69051   505021.98
3633775.90   8.92238
         505071.98   3633775.90   8.18245   505121.98
3633775.90   7.57491
         505171.98   3633775.90   7.28392   505221.98
3633775.90   7.13157
         502221.98   3633825.90   7.34879   502271.98
3633825.90   7.60636
         502321.98   3633825.90   7.92780   502371.98

```
3633825.90        8.26188
         502421.98    3633825.90        8.61194                    502471.98
3633825.90        8.98229
         502521.98    3633825.90        9.38906                    502571.98
3633825.90        9.83023
         502621.98    3633825.90       10.30410                    502671.98
3633825.90       10.80438
         504771.98    3633825.90       13.68025                    504821.98
3633825.90       12.66819
         504871.98    3633825.90       11.07846                    504921.98
3633825.90       10.08695
         504971.98    3633825.90        9.47088                    505021.98
3633825.90        8.95744
         505071.98    3633825.90        8.30659                    505121.98
3633825.90        7.68570
         505171.98    3633825.90        7.42672                    505221.98
3633825.90        7.27992
         502221.98    3633875.90        7.34529                    502271.98
3633875.90        7.62112
         502321.98    3633875.90        7.95841                    502371.98
3633875.90        8.28432
         502421.98    3633875.90        8.65118                    502471.98
3633875.90        9.02773
         502521.98    3633875.90        9.45691                    502571.98
3633875.90        9.92057
         502621.98    3633875.90       10.41437                    502671.98
3633875.90       10.93749
         504771.98    3633875.90       14.28420                    504821.98
3633875.90       12.64700
         504871.98    3633875.90       11.04072                    504921.98
3633875.90       10.12873
         504971.98    3633875.90        9.42353                    505021.98
3633875.90        8.81815
         505071.98    3633875.90        8.40803                    505121.98
3633875.90        7.88271
         505171.98    3633875.90        7.61518                    505221.98
3633875.90        7.40577
         502221.98    3633925.90        7.35287                    502271.98
3633925.90        7.64725
         502321.98    3633925.90        7.98007                    502371.98
3633925.90        8.31129
         502421.98    3633925.90        8.70146                    502471.98
3633925.90        9.09366
         502521.98    3633925.90        9.53215                    502571.98
3633925.90       10.00687
         502621.98    3633925.90       10.52077                    502671.98
3633925.90       11.06820
         504771.98    3633925.90       14.39572                    504821.98
3633925.90       12.76489
         504871.98    3633925.90       11.50705                    504921.98
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3633975.90	10.63047	502671.98	3633975.90	11.19778
504771.98	3633975.90	14.17166	504821.98	3633975.90	12.97040
504871.98	3633975.90	11.95340	504921.98	3633975.90	10.70738

504971.98 3633975.90 9.47452 505021.98
3633975.90 8.80045
505071.98 3633975.90 8.31268 505121.98
3633975.90 8.09932
505171.98 3633975.90 7.83976 505221.98
3633975.90 7.54249
502221.98 3634025.90 7.38543 502271.98
3634025.90 7.67190
502321.98 3634025.90 8.01206 502371.98
3634025.90 8.38773
502421.98 3634025.90 8.78393 502471.98
3634025.90 9.21067
502521.98 3634025.90 9.67455 502571.98
3634025.90 10.18009
502621.98 3634025.90 10.73637 502671.98
3634025.90 11.33380
504771.98 3634025.90 13.96701 504821.98
3634025.90 13.15273
504871.98 3634025.90 11.75257 504921.98
3634025.90 10.48718
504971.98 3634025.90 9.29566 505021.98
3634025.90 8.65405
505071.98 3634025.90 8.20203 505121.98
3634025.90 8.04376
505171.98 3634025.90 7.85138 505221.98
3634025.90 7.52911
502221.98 3634075.90 7.37969 502271.98
3634075.90 7.68716
502321.98 3634075.90 8.03148 502371.98
3634075.90 8.40199
502421.98 3634075.90 8.79965 502471.98
3634075.90 9.23906
502521.98 3634075.90 9.72421 502571.98
3634075.90 10.26311
502621.98 3634075.90 10.83276 502671.98
3634075.90 11.46789
504771.98 3634075.90 13.95506 504821.98
3634075.90 12.79971
504871.98 3634075.90 11.18787 504921.98
3634075.90 10.07356
504971.98 3634075.90 9.13195 505021.98
3634075.90 8.50204
505071.98 3634075.90 8.10221 505121.98
3634075.90 7.92658
505171.98 3634075.90 7.80571 505221.98
3634075.90 7.52690
502221.98 3634125.90 7.36728 502271.98
3634125.90 7.70420
502321.98 3634125.90 8.04964 502371.98
3634125.90 8.43685

```
         502421.98    3634125.90        8.84482                      502471.98
3634125.90        9.28895
         502521.98    3634125.90        9.77243                      502571.98
3634125.90       10.30389
         502621.98    3634125.90       10.91877                      502671.98
3634125.90       11.58845
         504771.98    3634125.90       12.89932                      504821.98
3634125.90       11.88062
         504871.98    3634125.90       10.81552                      504921.98
3634125.90        9.61860
         504971.98    3634125.90        8.97741                      505021.98
3634125.90        8.39213
         505071.98    3634125.90        8.08114                      505121.98
3634125.90        7.95809
         505171.98    3634125.90        7.78853                      505221.98
3634125.90        7.53424
         502221.98    3634175.90        7.34175                      502271.98
3634175.90        7.67911
         502321.98    3634175.90        8.02979                      502371.98
3634175.90        8.47768
         502421.98    3634175.90        8.89448                      502471.98
3634175.90        9.34660
         502521.98    3634175.90        9.83407                      502571.98
3634175.90       10.37674
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44

                                PAGE 569
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                   L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                   L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
```

Y-COORD (M) CONC

- - - -

```
3634275.90        8.41396
         505071.98    3634275.90        7.95083                        505121.98
3634275.90        7.83950
         505171.98    3634275.90        7.29499                        505221.98
3634275.90        7.39389
         502221.98    3634325.90        7.36076                        502271.98
3634325.90        7.70626
         502321.98    3634325.90        8.07501                        502371.98
3634325.90        8.47614
         502421.98    3634325.90        8.91029                        502471.98
3634325.90        9.37902
         502521.98    3634325.90        9.89759                        502571.98
3634325.90       10.46657
         502621.98    3634325.90       11.09453                        502671.98
3634325.90       11.80082
         504771.98    3634325.90       11.02529                        504821.98
3634325.90       10.51656
         504871.98    3634325.90       10.00821                        504921.98
3634325.90        9.71575
         504971.98    3634325.90        9.43558                        505021.98
3634325.90        8.52903
         505071.98    3634325.90        8.06966                        505121.98
3634325.90        8.08884
         505171.98    3634325.90        7.52537                        505221.98
3634325.90        7.34731
         502221.98    3634375.90        7.37450                        502271.98
3634375.90        7.72184
         502321.98    3634375.90        8.07590                        502371.98
3634375.90        8.46400
         502421.98    3634375.90        8.92197                        502471.98
3634375.90        9.42164
         502521.98    3634375.90        9.97872                        502571.98
3634375.90       10.56132
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44

                                  PAGE 570
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
```

, L0000916   , L0000917   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634375.90	11.16921	502671.98	3634375.90	11.82151
504771.98	3634375.90	11.44108	504821.98	3634375.90	11.20268
504871.98	3634375.90	10.67094	504921.98	3634375.90	10.37438
504971.98	3634375.90	9.79233	505021.98	3634375.90	8.79914
505071.98	3634375.90	8.39056	505121.98	3634375.90	8.47924
505171.98	3634375.90	7.92435	505221.98	3634375.90	7.50499
502221.98	3634425.90	7.39475	502271.98	3634425.90	7.74688
502321.98	3634425.90	8.11971	502371.98	3634425.90	8.52480
502421.98	3634425.90	8.97078	502471.98	3634425.90	9.44881
502521.98	3634425.90	9.98466	502571.98	3634425.90	10.56887
502621.98	3634425.90	11.21761	502671.98	3634425.90	11.93387
504771.98	3634425.90	11.88469	504821.98	3634425.90	11.54706
504871.98	3634425.90	11.56958	504921.98	3634425.90	11.47911
504971.98	3634425.90	10.28071	505021.98	3634425.90	9.57974
505071.98	3634425.90	9.33747	505121.98	3634425.90	9.01420
505171.98	3634425.90	8.38239	505221.98	3634425.90	7.84380
502221.98	3634475.90	7.37721	502271.98	3634475.90	7.72606
502321.98	3634475.90	8.10125	502371.98	3634475.90	8.50871
502421.98	3634475.90	8.95268	502471.98	3634475.90	9.43406

```
         502521.98    3634475.90        9.97220                        502571.98
3634475.90       10.55962
         502621.98    3634475.90       11.20968                        502671.98
3634475.90       11.93307
         504771.98    3634475.90       12.37032                        504821.98
3634475.90       11.69079
         504871.98    3634475.90       11.77310                        504921.98
3634475.90       12.57172
         504971.98    3634475.90       11.51129                        505021.98
3634475.90       10.79129
         505071.98    3634475.90       10.35325                        505121.98
3634475.90        9.66594
         505171.98    3634475.90        8.92818                        505221.98
3634475.90        8.30008
         502221.98    3634525.90        7.35254                        502271.98
3634525.90        7.69591
         502321.98    3634525.90        8.06937                        502371.98
3634525.90        8.47684
         502421.98    3634525.90        8.91807                        502471.98
3634525.90        9.40222
         502521.98    3634525.90        9.93184                        502571.98
3634525.90       10.52080
         502621.98    3634525.90       11.17258                        502671.98
3634525.90       11.91007
         504771.98    3634525.90       13.48193                        504821.98
3634525.90       12.40028
         504871.98    3634525.90       12.43573                        504921.98
3634525.90       13.53850
         504971.98    3634525.90       13.39982                        505021.98
3634525.90       12.33408
         505071.98    3634525.90       11.42104                        505121.98
3634525.90       10.33898
         505171.98    3634525.90        9.34987                        505221.98
3634525.90        8.52964
         502221.98    3634575.90        7.32770                        502271.98
3634575.90        7.65633
         502321.98    3634575.90        8.02355                        502371.98
3634575.90        8.42627
         502421.98    3634575.90        8.86647                        502471.98
3634575.90        9.34876
         502521.98    3634575.90        9.87470                        502571.98
3634575.90       10.45729
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44

                                  PAGE 571
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634575.90	11.10262	502671.98	3634575.90	11.83014
504771.98	3634575.90	15.87319	504821.98	3634575.90	14.45396
504871.98	3634575.90	14.66456	504921.98	3634575.90	15.65402
504971.98	3634575.90	14.58440	505021.98	3634575.90	12.92820
505071.98	3634575.90	11.73410	505121.98	3634575.90	10.69651
505171.98	3634575.90	9.19405	505221.98	3634575.90	8.45766
502221.98	3634625.90	7.28240	502271.98	3634625.90	7.61757
502321.98	3634625.90	7.96521	502371.98	3634625.90	8.36116
502421.98	3634625.90	8.79320	502471.98	3634625.90	9.26793
502521.98	3634625.90	9.79993	502571.98	3634625.90	10.37157
502621.98	3634625.90	11.00553	502671.98	3634625.90	11.70637
504771.98	3634625.90	19.73579	504821.98	3634625.90	19.48347
504871.98	3634625.90	18.11092	504921.98	3634625.90	16.72777
504971.98	3634625.90	14.87352	505021.98	3634625.90	13.13329
505071.98	3634625.90	11.64120	505121.98		

3634625.90 10.65098
505171.98 3634625.90 9.01974 505221.98
3634625.90 8.27059
502221.98 3634675.90 7.21620 502271.98
3634675.90 7.55873
502321.98 3634675.90 7.92130 502371.98
3634675.90 8.30704
502421.98 3634675.90 8.73258 502471.98
3634675.90 9.19640
502521.98 3634675.90 9.70289 502571.98
3634675.90 10.26436
502621.98 3634675.90 10.88204 502671.98
3634675.90 11.55634
504771.98 3634675.90 22.68077 504821.98
3634675.90 20.77368
504871.98 3634675.90 18.37443 504921.98
3634675.90 17.04227
504971.98 3634675.90 15.55696 505021.98
3634675.90 13.29548
505071.98 3634675.90 11.36159 505121.98
3634675.90 10.48911
505171.98 3634675.90 9.16900 505221.98
3634675.90 8.33485
502221.98 3634725.90 7.14519 502271.98
3634725.90 7.47646
502321.98 3634725.90 7.81787 502371.98
3634725.90 8.19881
502421.98 3634725.90 8.62542 502471.98
3634725.90 9.08033
502521.98 3634725.90 9.56892 502571.98
3634725.90 10.11635
502621.98 3634725.90 10.71190 502671.98
3634725.90 11.37645
504771.98 3634725.90 23.22968 504821.98
3634725.90 21.17785
504871.98 3634725.90 19.41197 504921.98
3634725.90 17.26604
504971.98 3634725.90 15.10833 505021.98
3634725.90 12.50519
505071.98 3634725.90 11.05733 505121.98
3634725.90 10.11928
505171.98 3634725.90 8.86057 505221.98
3634725.90 8.29286
502221.98 3634775.90 7.07670 502271.98
3634775.90 7.40081
502321.98 3634775.90 7.72076 502371.98
3634775.90 8.08516
502421.98 3634775.90 8.48299 502471.98
3634775.90 8.92296
502521.98 3634775.90 9.42181 502571.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                                       L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000310   , L0000311   , L0000312   ,
                                       L0000313   , L0000314   , L0000315   , L0000316   , L0000317 , L0000318   , L0000319   , L0000910   ,
                                       L0000911   , L0000912   , L0000913   , L0000914   , L0000915 , L0000916   , L0000917   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
         502621.98    3634825.90       10.29661                    502671.98
3634825.90       10.89276
         504771.98    3634825.90       25.33392                    504821.98
3634825.90       22.50409
         504871.98    3634825.90       19.82500                    504921.98
3634825.90       15.94817
         504971.98    3634825.90       12.19101                    505021.98
3634825.90       10.34643
         505071.98    3634825.90        9.86560                    505121.98
3634825.90        9.39715
         505171.98    3634825.90        8.47162                    505221.98
3634825.90        7.91808
         502221.98    3634875.90        6.90057                    502271.98
3634875.90        7.18685
         502321.98    3634875.90        7.50395                    502371.98
3634875.90        7.84994
         502421.98    3634875.90        8.22102                    502471.98
3634875.90        8.62203
         502521.98    3634875.90        9.05721                    502571.98
3634875.90        9.53260
         502621.98    3634875.90       10.05267                    502671.98
3634875.90       10.62159
         504771.98    3634875.90       27.35119                    504821.98
3634875.90       23.71794
         504871.98    3634875.90       20.79572                    504921.98
3634875.90       15.51075
         504971.98    3634875.90       11.85686                    505021.98
3634875.90       10.07394
         505071.98    3634875.90        9.14027                    505121.98
3634875.90        8.85045
         505171.98    3634875.90        8.29463                    505221.98
3634875.90        7.92999
         502221.98    3634925.90        6.78663                    502271.98
3634925.90        7.06509
         502321.98    3634925.90        7.37201                    502371.98
3634925.90        7.70122
         502421.98    3634925.90        8.05702                    502471.98
3634925.90        8.43518
         502521.98    3634925.90        8.85317                    502571.98
3634925.90        9.30385
         502621.98    3634925.90        9.79176                    502671.98
3634925.90       10.33136
         504771.98    3634925.90       30.72668                    504821.98
3634925.90       25.66663
         504871.98    3634925.90       22.38124                    504921.98
3634925.90       16.74544
         504971.98    3634925.90       12.48591                    505021.98
3634925.90       10.21972
         505071.98    3634925.90        9.13374                    505121.98
3634925.90        8.77328
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502621.98	3634975.90	9.52670	502671.98	3634975.90	10.03111
504821.98	3634975.90	28.79630	504871.98	3634975.90	24.51541
504921.98	3634975.90	20.25396	504971.98	3634975.90	13.16319
505021.98	3634975.90	10.82991	505071.98	3634975.90	9.62509
505121.98	3634975.90	9.42195	505171.98	3634975.90	8.93111
505221.98	3634975.90	8.31510	505221.98	3634925.90	8.01817
502221.98	3634975.90	6.66458	502271.98	3634975.90	6.93664
502321.98	3634975.90	7.22624	502371.98	3634975.90	7.54211
502421.98	3634975.90	7.88101	502471.98	3634975.90	8.24349
502521.98	3634975.90	8.63974	502571.98	3634975.90	9.06428

3635025.90 6.53676
502271.98 3635025.90 6.79939 502321.98
3635025.90 7.07917
502371.98 3635025.90 7.37839 502421.98
3635025.90 7.70340
502471.98 3635025.90 8.04990 502521.98
3635025.90 8.42474
502571.98 3635025.90 8.82636 502621.98
3635025.90 9.26175
502671.98 3635025.90 9.73161 504871.98
3635025.90 27.88273
504921.98 3635025.90 22.93591 504971.98
3635025.90 14.99801
505021.98 3635025.90 11.70196 505071.98
3635025.90 10.55242
505121.98 3635025.90 10.46606 505171.98
3635025.90 9.98834
505221.98 3635025.90 9.27687 502221.98
3635075.90 6.40702
502271.98 3635075.90 6.65665 502321.98
3635075.90 6.92851
502371.98 3635075.90 7.21549 502421.98
3635075.90 7.52289
502471.98 3635075.90 7.85223 502521.98
3635075.90 8.20630
502571.98 3635075.90 8.58680 502621.98
3635075.90 8.99414
502671.98 3635075.90 9.43868 504921.98
3635075.90 28.07036
504971.98 3635075.90 21.60374 505021.98
3635075.90 13.68587
505071.98 3635075.90 12.53774 505121.98
3635075.90 12.44554
505171.98 3635075.90 12.63771 505221.98
3635075.90 11.38939
502221.98 3635125.90 6.27167 502271.98
3635125.90 6.51320
502321.98 3635125.90 6.77037 502371.98
3635125.90 7.04390
502421.98 3635125.90 7.33534 502471.98
3635125.90 7.64650
502521.98 3635125.90 7.98293 502571.98
3635125.90 8.34490
502621.98 3635125.90 8.73229 502671.98
3635125.90 9.14894
505021.98 3635125.90 22.87157 505071.98
3635125.90 18.66637
505121.98 3635125.90 18.93498 505171.98
3635125.90 18.72149
505221.98 3635125.90 14.64281 502221.98

3635175.90   6.13448
         502271.98   3635175.90   6.36876   502321.98
3635175.90   6.61080
         502371.98   3635175.90   6.86998   502421.98
3635175.90   7.14668
         502471.98   3635175.90   7.44211   502521.98
3635175.90   7.75888
         502571.98   3635175.90   8.10170   502621.98
3635175.90   8.47088
         502671.98   3635175.90   8.86395   505121.98
3635175.90   25.18696
         505171.98   3635175.90   23.74400   505221.98
3635175.90   22.41799
         502221.98   3635225.90   5.99827   502271.98
3635225.90   6.21986
         502321.98   3635225.90   6.45300   502371.98
3635225.90   6.70017
         502421.98   3635225.90   6.96314   502471.98
3635225.90   7.24398

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         502521.98   3635225.90   7.54522   502571.98
3635225.90   7.86794

```
         502621.98    3635225.90        8.21226                    502671.98
3635225.90        8.58275
         502221.98    3635275.90        6.01638                    502271.98
3635275.90        6.07432
         502321.98    3635275.90        6.30109                    502371.98
3635275.90        6.54798
         502421.98    3635275.90        6.78685                    502471.98
3635275.90        7.05670
         502521.98    3635275.90        7.41079                    502571.98
3635275.90        7.63764
         502621.98    3635275.90        7.96047                    502671.98
3635275.90        8.30574
         502221.98    3635325.90        5.92033                    502271.98
3635325.90        5.93556
         502321.98    3635325.90        6.23770                    502371.98
3635325.90        6.45784
         502421.98    3635325.90        6.70107                    502471.98
3635325.90        6.93073
         502521.98    3635325.90        7.17250                    502571.98
3635325.90        7.44835
         502621.98    3635325.90        7.72995                    502671.98
3635325.90        8.03991
         502221.98    3635375.90        5.74278                    502271.98
3635375.90        5.86982
         502321.98    3635375.90        6.07602                    502371.98
3635375.90        6.29190
         502421.98    3635375.90        6.49416                    502471.98
3635375.90        6.70444
         502521.98    3635375.90        6.93597                    502571.98
3635375.90        7.20146
         502621.98    3635375.90        7.47322                    502671.98
3635375.90        7.76019
         502221.98    3635425.90        5.58700                    502271.98
3635425.90        5.71808
         502321.98    3635425.90        5.90936                    502371.98
3635425.90        6.09281
         502421.98    3635425.90        6.28269                    502471.98
3635425.90        6.47932
         502521.98    3635425.90        6.69282                    502571.98
3635425.90        6.92474
         502621.98    3635425.90        7.17124                    502671.98
3635425.90        7.44312
         504771.98    3635425.90       13.36656                    502221.98
3635475.90        5.41981
         502271.98    3635475.90        5.57112                    502321.98
3635475.90        5.73331
         502371.98    3635475.90        5.90288                    502421.98
3635475.90        6.07952
         502471.98    3635475.90        6.25675                    502521.98
3635475.90        6.47037
```

```
         502571.98    3635475.90        6.69122                        502621.98
3635475.90        6.92750
         502671.98    3635475.90        7.15371                        504771.98
3635475.90       12.60296
         504821.98    3635475.90       12.57082                        504871.98
3635475.90       12.65132
         504921.98    3635475.90       12.70650                        502221.98
3635525.90        5.26438
         502271.98    3635525.90        5.40679                        502321.98
3635525.90        5.55889
         502371.98    3635525.90        5.72046                        502421.98
3635525.90        5.88596
         502471.98    3635525.90        6.05995                        502521.98
3635525.90        6.25722
         502571.98    3635525.90        6.46076                        502621.98
3635525.90        6.67074
         502671.98    3635525.90        6.88505                        502721.98
3635525.90        7.12140
         502771.98    3635525.90        7.37934                        502821.98
3635525.90        7.65131
         502871.98    3635525.90        7.94000                        502921.98
3635525.90        8.23317
         502971.98    3635525.90        8.53589                        503021.98
3635525.90        8.84548
         503071.98    3635525.90        9.17698                        503121.98
3635525.90        9.57511
         503171.98    3635525.90        9.88022                        503221.98
3635525.90       10.08180
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 575
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503271.98	3635525.90	10.37690	503321.98	3635525.90	10.68478
503371.98	3635525.90	11.00288	503421.98	3635525.90	11.31884
503471.98	3635525.90	11.69106	503521.98	3635525.90	12.02360
503571.98	3635525.90	12.18661	503621.98	3635525.90	12.32129
503671.98	3635525.90	12.50437	503721.98	3635525.90	12.70428
503771.98	3635525.90	12.91777	503821.98	3635525.90	13.10233
503871.98	3635525.90	13.18652	503921.98	3635525.90	13.42123
503971.98	3635525.90	13.63025	504021.98	3635525.90	13.45069
504071.98	3635525.90	13.11727	504121.98	3635525.90	12.86167
504171.98	3635525.90	12.91373	504221.98	3635525.90	12.65992
504271.98	3635525.90	12.54896	504321.98	3635525.90	12.42323
504371.98	3635525.90	12.28644	504421.98	3635525.90	12.15372
504471.98	3635525.90	12.02858	504521.98	3635525.90	11.91108
504571.98	3635525.90	11.88437	504621.98	3635525.90	11.82347
504671.98	3635525.90	11.75531	504721.98	3635525.90	11.86670
504771.98	3635525.90	11.79585	504821.98	3635525.90	11.76680
504871.98	3635525.90	11.74510	504921.98	3635525.90	11.67014
504971.98	3635525.90	11.70092	505021.98	3635525.90	11.75922
505071.98	3635525.90	11.75779	505121.98	3635525.90	11.74590
505171.98	3635525.90	11.72478	505221.98	3635525.90	11.69156
502221.98	3635575.90	5.07834	502271.98	3635575.90	5.24696
502321.98	3635575.90	5.39177	502371.98		

3635575.90   5.54189
         502421.98   3635575.90   5.69795   502471.98
3635575.90   5.87046
         502521.98   3635575.90   6.06112   502571.98
3635575.90   6.25433
         502621.98   3635575.90   6.44777   502671.98
3635575.90   6.65221
         502721.98   3635575.90   6.87275   502771.98
3635575.90   7.12081
         502821.98   3635575.90   7.37362   502871.98
3635575.90   7.63531
         502921.98   3635575.90   7.90415   502971.98
3635575.90   8.17244
         503021.98   3635575.90   8.44790   503071.98
3635575.90   8.74331
         503121.98   3635575.90   9.10790   503171.98
3635575.90   9.37801
         503221.98   3635575.90   9.56139   503271.98
3635575.90   9.85761
         503321.98   3635575.90   10.15112   503371.98
3635575.90   10.46293
         503421.98   3635575.90   10.76815   503471.98
3635575.90   11.11475
         503521.98   3635575.90   11.41962   503571.98
3635575.90   11.57898
         503621.98   3635575.90   11.61783   503671.98
3635575.90   11.76337
         503721.98   3635575.90   11.92188   503771.98
3635575.90   12.06561
         503821.98   3635575.90   12.18614   503871.98
3635575.90   12.34815
         503921.98   3635575.90   12.52037   503971.98
3635575.90   12.70397
         504021.98   3635575.90   12.27747   504071.98
3635575.90   12.20953
         504121.98   3635575.90   12.20076   504171.98
3635575.90   12.17817

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010

```
, L0000310    , L0000311    , L0000312    ,
                L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         504221.98    3635575.90       11.96656                      504271.98
3635575.90       11.77829
         504321.98    3635575.90       11.67498                      504371.98
3635575.90       11.56665
         504421.98    3635575.90       11.45095                      504471.98
3635575.90       11.33302
         504521.98    3635575.90       11.22584                      504571.98
3635575.90       11.12184
         504621.98    3635575.90       11.13962                      504671.98
3635575.90       11.06011
         504721.98    3635575.90       11.03287                      504771.98
3635575.90       11.06709
         504821.98    3635575.90       11.02608                      504871.98
3635575.90       10.93982
         504921.98    3635575.90       10.77352                      504971.98
3635575.90       10.82239
         505021.98    3635575.90       10.80843                      505071.98
3635575.90       10.76677
         505121.98    3635575.90       10.79783                      505171.98
3635575.90       10.63631
         505221.98    3635575.90       10.60696                      502221.98
3635625.90        4.88821
         502271.98    3635625.90        5.06889                      502321.98
3635625.90        5.21977
         502371.98    3635625.90        5.37297                      502421.98
3635625.90        5.49698
         502471.98    3635625.90        5.65281                      502521.98
3635625.90        5.82613
         502571.98    3635625.90        6.04560                      502621.98
3635625.90        6.24822
         502671.98    3635625.90        6.43546                      502721.98
3635625.90        6.63496
         502771.98    3635625.90        6.85531                      502821.98
3635625.90        7.08066
```

```
         502871.98    3635625.90        7.31559                      502921.98
3635625.90        7.55865
         502971.98    3635625.90        7.80816                      503021.98
3635625.90        8.06297
         503071.98    3635625.90        8.32487                      503121.98
3635625.90        8.58922
         503171.98    3635625.90        8.85741                      503221.98
3635625.90        9.13614
         503271.98    3635625.90        9.40559                      503321.98
3635625.90        9.67622
         503371.98    3635625.90        9.93574                      503421.98
3635625.90       10.21581
         503471.98    3635625.90       10.56222                      503521.98
3635625.90       10.85307
         503571.98    3635625.90       11.00131                      503621.98
3635625.90       11.05932
         503671.98    3635625.90       11.18113                      503721.98
3635625.90       11.30057
         503771.98    3635625.90       11.41335                      503821.98
3635625.90       11.49587
         503871.98    3635625.90       11.51412                      503921.98
3635625.90       11.68909
         503971.98    3635625.90       11.83392                      504021.98
3635625.90       11.53745
         504071.98    3635625.90       11.49129                      504121.98
3635625.90       11.47584
         504171.98    3635625.90       11.43920                      504221.98
3635625.90       11.40702
         504271.98    3635625.90       11.30639                      504321.98
3635625.90       10.99533
         504371.98    3635625.90       10.90136                      504421.98
3635625.90       10.81933
         504471.98    3635625.90       10.70116                      504521.98
3635625.90       10.59972
         504571.98    3635625.90       10.49873                      504621.98
3635625.90       10.41532
         504671.98    3635625.90       10.38777                      504721.98
3635625.90       10.34914
         504771.98    3635625.90       10.42438                      504821.98
3635625.90       10.36362
         504871.98    3635625.90       10.25903                      504921.98
3635625.90       10.05578
         504971.98    3635625.90       10.10498                      505021.98
3635625.90        9.92846
         505071.98    3635625.90        9.85656                      505121.98
3635625.90        9.89247
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505171.98	3635625.90	9.78654	505221.98	3635625.90	9.68584
502221.98	3635675.90	4.70575	502271.98	3635675.90	4.88259
502321.98	3635675.90	5.02327	502371.98	3635675.90	5.17752
502421.98	3635675.90	5.31481	502471.98	3635675.90	5.47460
502521.98	3635675.90	5.64507	502571.98	3635675.90	5.83962
502621.98	3635675.90	6.03528	502671.98	3635675.90	6.22646
502721.98	3635675.90	6.40709	502771.98	3635675.90	6.58598
502821.98	3635675.90	6.80054	502871.98	3635675.90	7.02220
502921.98	3635675.90	7.21907	502971.98	3635675.90	7.47603
503021.98	3635675.90	7.70877	503071.98	3635675.90	7.96023
503121.98	3635675.90	8.20616	503171.98	3635675.90	8.45306
503221.98	3635675.90	8.71547	503271.98	3635675.90	8.96752
503321.98	3635675.90	9.21930	503371.98		

```
3635675.90        9.47940
         503421.98    3635675.90        9.74230                    503471.98
3635675.90       10.01596
         503521.98    3635675.90       10.28354                    503571.98
3635675.90       10.45000
         503621.98    3635675.90       10.50953                    503671.98
3635675.90       10.58262
         503721.98    3635675.90       10.73352                    503771.98
3635675.90       10.84204
         503821.98    3635675.90       10.86749                    503871.98
3635675.90       10.88280
         503921.98    3635675.90       11.07121                    503971.98
3635675.90       11.15211
         504021.98    3635675.90       10.98539                    504071.98
3635675.90       10.85973
         504121.98    3635675.90       10.80412                    504171.98
3635675.90       10.76991
         504221.98    3635675.90       10.73030                    504271.98
3635675.90       10.68163
         504321.98    3635675.90       10.54778                    504371.98
3635675.90       10.29742
         504421.98    3635675.90       10.20801                    504471.98
3635675.90       10.23497
         504521.98    3635675.90       10.17370                    504571.98
3635675.90        9.93324
         504621.98    3635675.90        9.96333                    504671.98
3635675.90        9.84061
         504721.98    3635675.90        9.75771                    504771.98
3635675.90        9.95264
         504821.98    3635675.90        9.77491                    504871.98
3635675.90        9.66436
         504921.98    3635675.90        9.45707                    504971.98
3635675.90        9.49232
         505021.98    3635675.90        9.37414                    505071.98
3635675.90        9.21555
         505121.98    3635675.90        9.22189                    505171.98
3635675.90        9.11474
         505221.98    3635675.90        8.98958                    502221.98
3635725.90        4.54613
         502271.98    3635725.90        4.72702                    502321.98
3635725.90        4.87432
         502371.98    3635725.90        5.03099                    502421.98
3635725.90        5.15802
         502471.98    3635725.90        5.31344                    502521.98
3635725.90        5.46481
         502571.98    3635725.90        5.66277                    502621.98
3635725.90        5.85045
         502671.98    3635725.90        6.01882                    502721.98
3635725.90        6.19430
         502771.98    3635725.90        6.36818                    502821.98
```

```
3635725.90        6.56363
         502871.98    3635725.90        6.76880                      502921.98
3635725.90        6.93786
         502971.98    3635725.90        7.16143                      503021.98
3635725.90        7.36644
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 578
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                 L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                 L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         503071.98    3635725.90        7.61122                      503121.98
3635725.90        7.81496
         503171.98    3635725.90        8.04199                      503221.98
3635725.90        8.30949
         503271.98    3635725.90        8.53746                      503321.98
3635725.90        8.76217
         503371.98    3635725.90        9.00083                      503421.98
3635725.90        9.26606
         503471.98    3635725.90        9.51130                      503521.98
3635725.90        9.74989
         503571.98    3635725.90        9.88061                      503621.98
3635725.90       10.01920
         503671.98    3635725.90       10.03129                      503721.98
3635725.90       10.17924
         503771.98    3635725.90       10.26512                      503821.98
3635725.90       10.27412
```

503871.98 3635725.90 10.29416 503921.98 3635725.90 10.44126
503971.98 3635725.90 10.55337 504021.98 3635725.90 10.42380
504071.98 3635725.90 10.42118 504121.98 3635725.90 10.28934
504171.98 3635725.90 10.20641 504221.98 3635725.90 10.43767
504271.98 3635725.90 10.39164 504321.98 3635725.90 10.02858
504371.98 3635725.90 9.92905 504421.98 3635725.90 9.68103
504471.98 3635725.90 9.75477 504521.98 3635725.90 9.76629
504571.98 3635725.90 9.53787 504621.98 3635725.90 9.45414
504671.98 3635725.90 9.44257 504721.98 3635725.90 9.24660
504771.98 3635725.90 9.16006 504821.98 3635725.90 9.16808
504871.98 3635725.90 9.00921 504921.98 3635725.90 8.92565
504971.98 3635725.90 8.95765 505021.98 3635725.90 8.87234
505071.98 3635725.90 8.72083 505121.98 3635725.90 8.66286
505171.98 3635725.90 8.54629 505221.98 3635725.90 8.41751
502221.98 3635775.90 4.41190 502271.98 3635775.90 4.59584
502321.98 3635775.90 4.73469 502371.98 3635775.90 4.88676
502421.98 3635775.90 5.01354 502471.98 3635775.90 5.15774
502521.98 3635775.90 5.30613 502571.98 3635775.90 5.47215
502621.98 3635775.90 5.64025 502671.98 3635775.90 5.80883
502721.98 3635775.90 5.99533 502771.98 3635775.90 6.17281
502821.98 3635775.90 6.35236 502871.98 3635775.90 6.53523
502921.98 3635775.90 6.69752 502971.98 3635775.90 6.90558
503021.98 3635775.90 7.05532 503071.98 3635775.90 7.26618
503121.98 3635775.90 7.46390 503171.98 3635775.90 7.69218
503221.98 3635775.90 7.66883 503271.98 3635775.90 7.73810

```
         503321.98    3635775.90        8.05183                       503371.98
3635775.90        8.49147
         503421.98    3635775.90        8.81050                       503471.98
3635775.90        9.04815
         503521.98    3635775.90        9.25439                       503571.98
3635775.90        9.46732
         503621.98    3635775.90        9.61533                       503671.98
3635775.90        9.62396
         503721.98    3635775.90        9.62127                       503771.98
3635775.90        9.72391
         503821.98    3635775.90        9.76908                       503871.98
3635775.90        9.87037
         503921.98    3635775.90       10.07630                       503971.98
3635775.90       10.12767
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 579
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         504021.98    3635775.90        9.94240                       504071.98
3635775.90       10.08196
         504121.98    3635775.90        9.98140                       504171.98
3635775.90        9.96639
         504221.98    3635775.90       10.01525                       504271.98
3635775.90        9.98708
         504321.98    3635775.90        9.78926                       504371.98
```

3635775.90 9.52869
504421.98 3635775.90 9.35128 504471.98
3635775.90 9.41263
504521.98 3635775.90 9.39654 504571.98
3635775.90 9.07987
504621.98 3635775.90 9.10383 504671.98
3635775.90 8.93254
504721.98 3635775.90 8.78650 504771.98
3635775.90 8.70319
504821.98 3635775.90 8.61684 504871.98
3635775.90 8.53094
504921.98 3635775.90 8.45700 504971.98
3635775.90 8.49430
505021.98 3635775.90 8.40418 505071.98
3635775.90 8.24905
505121.98 3635775.90 8.16617 505171.98
3635775.90 8.05551
505221.98 3635775.90 7.93622 502221.98
3635825.90 4.28962
502271.98 3635825.90 4.46951 502321.98
3635825.90 4.60757
502371.98 3635825.90 4.75456 502421.98
3635825.90 4.87487
502471.98 3635825.90 5.01432 502521.98
3635825.90 5.15424
502571.98 3635825.90 5.31134 502621.98
3635825.90 5.47098
502671.98 3635825.90 5.63279 502721.98
3635825.90 5.79844
502771.98 3635825.90 5.97234 502821.98
3635825.90 6.14462
502871.98 3635825.90 6.31587 502921.98
3635825.90 6.47176
502971.98 3635825.90 6.66270 503021.98
3635825.90 6.74391
503071.98 3635825.90 6.88646 503121.98
3635825.90 7.09302
503171.98 3635825.90 7.31694 503221.98
3635825.90 7.19375
503271.98 3635825.90 7.32985 503321.98
3635825.90 7.61420
503371.98 3635825.90 8.08194 503421.98
3635825.90 8.36340
503471.98 3635825.90 8.61176 503521.98
3635825.90 8.53955
503571.98 3635825.90 8.81938 503621.98
3635825.90 9.14551
503671.98 3635825.90 9.25664 503721.98
3635825.90 9.25873
503771.98 3635825.90 9.24214 503821.98

3635825.90   9.31940
         503871.98   3635825.90   9.40209   503921.98
3635825.90   9.54478
         503971.98   3635825.90   9.67553   504021.98
3635825.90   9.51320
         504071.98   3635825.90   9.76389   504121.98
3635825.90   9.79903
         504171.98   3635825.90   9.64651   504221.98
3635825.90   9.63907
         504271.98   3635825.90   9.70697   504321.98
3635825.90   9.51815
         504371.98   3635825.90   9.30240   504421.98
3635825.90   9.16256
         504471.98   3635825.90   9.10946   504521.98
3635825.90   9.06037
         504571.98   3635825.90   8.86491   504621.98
3635825.90   8.76004
         504671.98   3635825.90   8.54850   504721.98
3635825.90   8.34962
         504771.98   3635825.90   8.26503   504821.98
3635825.90   8.23655
         504871.98   3635825.90   8.20436   504921.98
3635825.90   8.08457

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

```
 - - -
```

```
         504321.98    3635875.90        9.26334                      504371.98
3635875.90        9.10980
         504421.98    3635875.90        9.00726                      504471.98
3635875.90        8.78816
         504521.98    3635875.90        8.66214                      504571.98
3635875.90        8.53421
         504621.98    3635875.90        8.40810                      504671.98
3635875.90        8.26690
         504721.98    3635875.90        7.95847                      504771.98
3635875.90        7.87488
         504821.98    3635875.90        7.86631                      504871.98
3635875.90        7.78869
         504921.98    3635875.90        7.71795                      504971.98
3635875.90        7.68368
         505021.98    3635875.90        7.56090                      505071.98
3635875.90        7.44845
         505121.98    3635875.90        7.36077                      505171.98
3635875.90        7.25616
         505221.98    3635875.90        7.15123                      502221.98
3635925.90        4.07360
         502271.98    3635925.90        4.24035                      502321.98
3635925.90        4.37109
         502371.98    3635925.90        4.50808                      502421.98
3635925.90        4.61923
         502471.98    3635925.90        4.74414                      502521.98
3635925.90        4.85748
         502571.98    3635925.90        4.99844                      502621.98
3635925.90        5.13826
         502671.98    3635925.90        5.28750                      502721.98
3635925.90        5.44405
         502771.98    3635925.90        5.60218                      502821.98
3635925.90        5.75009
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 581
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502871.98	3635925.90	5.90672	502921.98	3635925.90	6.00383
502971.98	3635925.90	6.15184	503021.98	3635925.90	6.19705
503071.98	3635925.90	6.30271	503121.98	3635925.90	6.46487
503171.98	3635925.90	6.62175	503221.98	3635925.90	6.73190
503271.98	3635925.90	6.89828	503321.98	3635925.90	7.13528
503371.98	3635925.90	7.36720	503421.98	3635925.90	7.58288
503471.98	3635925.90	7.54547	503521.98	3635925.90	7.38296
503571.98	3635925.90	7.88402	503621.98	3635925.90	8.31178
503671.98	3635925.90	8.38092	503721.98	3635925.90	8.43572
503771.98	3635925.90	8.49742	503821.98	3635925.90	8.54523
503871.98	3635925.90	8.58351	503921.98	3635925.90	8.66576
503971.98	3635925.90	8.76936	504021.98	3635925.90	8.78648
504071.98	3635925.90	8.89551	504121.98	3635925.90	8.99627
504171.98	3635925.90	9.07146	504221.98	3635925.90	9.17026
504271.98	3635925.90	9.09505	504321.98	3635925.90	8.97511
504371.98	3635925.90	8.91914	504421.98	3635925.90	8.84423
504471.98	3635925.90	8.68831	504521.98	3635925.90	8.47620
504571.98	3635925.90	8.25050	504621.98	3635925.90	8.02948
504671.98	3635925.90	7.94573	504721.98	3635925.90	7.80635
504771.98	3635925.90	7.65668	504821.98		

3635925.90   7.44281
         504871.98   3635925.90   7.39509   504921.98
3635925.90   7.33107
         504971.98   3635925.90   7.34447   505021.98
3635925.90   7.26502
         505071.98   3635925.90   7.16396   505121.98
3635925.90   7.03108
         505171.98   3635925.90   6.91982   505221.98
3635925.90   6.86425
         502221.98   3635975.90   3.94831   502271.98
3635975.90   4.11277
         502321.98   3635975.90   4.23943   502371.98
3635975.90   4.38457
         502421.98   3635975.90   4.49095   502471.98
3635975.90   4.61284
         502521.98   3635975.90   4.72424   502571.98
3635975.90   4.86904
         502621.98   3635975.90   5.00028   502671.98
3635975.90   5.13306
         502721.98   3635975.90   5.27945   502771.98
3635975.90   5.42649
         502821.98   3635975.90   5.56803   502871.98
3635975.90   5.71588
         502921.98   3635975.90   5.80295   502971.98
3635975.90   5.93907
         503021.98   3635975.90   5.96974   503071.98
3635975.90   6.09279
         503121.98   3635975.90   6.20295   503171.98
3635975.90   6.33888
         503221.98   3635975.90   6.46871   503271.98
3635975.90   6.66133
         503321.98   3635975.90   6.85585   503371.98
3635975.90   7.11153
         503421.98   3635975.90   7.08637   503471.98
3635975.90   7.07730
         503521.98   3635975.90   7.31601   503571.98
3635975.90   7.76517
         503621.98   3635975.90   7.92964   503671.98
3635975.90   8.01374
         503721.98   3635975.90   8.07655   503771.98
3635975.90   8.13087

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000310 , L0000311 , L0000312 ,
L0000313 , L0000314 , L0000315 , L0000316 , L0000317
, L0000318 , L0000319 , L0000910 ,
L0000911 , L0000912 , L0000913 , L0000914 , L0000915
, L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
503821.98	3635975.90	8.16721	503871.98	3635975.90	8.18384
503921.98	3635975.90	8.25329	503971.98	3635975.90	8.34420
504021.98	3635975.90	8.45045	504071.98	3635975.90	8.56786
504121.98	3635975.90	8.67174	504171.98	3635975.90	8.76319
504221.98	3635975.90	8.81309	504271.98	3635975.90	8.77861
504321.98	3635975.90	8.74860	504371.98	3635975.90	8.73140
504421.98	3635975.90	8.65665	504471.98	3635975.90	8.49157
504521.98	3635975.90	8.36798	504571.98	3635975.90	8.21391
504621.98	3635975.90	8.09408	504671.98	3635975.90	7.85795
504721.98	3635975.90	7.69369	504771.98	3635975.90	7.48988
504821.98	3635975.90	7.29593	504871.98	3635975.90	7.16171
504921.98	3635975.90	7.03483	504971.98	3635975.90	7.02481
505021.98	3635975.90	6.94925	505071.98	3635975.90	6.85796
505121.98	3635975.90	6.74437	505171.98	3635975.90	6.63676
505221.98	3635975.90	6.51132	501721.98	3632475.90	7.26594

501821.98 3632475.90 8.01207 501921.98
3632475.90 8.65806
502021.98 3632475.90 9.22479 502121.98
3632475.90 9.71628
502221.98 3632475.90 10.11298 502321.98
3632475.90 10.43208
502421.98 3632475.90 10.72477 502521.98
3632475.90 10.98287
502621.98 3632475.90 11.27772 502721.98
3632475.90 11.47473
502821.98 3632475.90 11.67602 502921.98
3632475.90 11.66120
503021.98 3632475.90 11.70443 503121.98
3632475.90 11.63916
503221.98 3632475.90 11.51638 503321.98
3632475.90 11.14166
503421.98 3632475.90 10.55379 503721.98
3632475.90 7.96824
503821.98 3632475.90 6.49591 503921.98
3632475.90 5.23388
504021.98 3632475.90 4.49567 504121.98
3632475.90 4.19477
504221.98 3632475.90 3.77164 504321.98
3632475.90 3.53981
504421.98 3632475.90 3.65785 504521.98
3632475.90 3.81115
504621.98 3632475.90 3.24338 504721.98
3632475.90 3.01686
504821.98 3632475.90 2.95534 504921.98
3632475.90 2.84094
505021.98 3632475.90 2.69080 505121.98
3632475.90 2.66349
505221.98 3632475.90 2.53297 505321.98
3632475.90 2.46161
505421.98 3632475.90 2.43768 505521.98
3632475.90 2.43160
505621.98 3632475.90 2.47109 505721.98
3632475.90 2.54098
501721.98 3632575.90 9.79791 501821.98
3632575.90 11.05669
501921.98 3632575.90 12.04457 502021.98
3632575.90 12.82575
502121.98 3632575.90 13.42835 502221.98
3632575.90 13.82473
502321.98 3632575.90 14.19995 502421.98
3632575.90 14.51653
502521.98 3632575.90 14.78747 502621.98
3632575.90 15.08979
502721.98 3632575.90 15.57578 502821.98
3632575.90 15.88210

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502921.98	3632575.90	16.11033	503021.98	3632575.90	16.16089
503121.98	3632575.90	16.10971	503221.98	3632575.90	15.85132
503321.98	3632575.90	15.32894	503421.98	3632575.90	14.18420
503721.98	3632575.90	8.73200	503821.98	3632575.90	6.59286
503921.98	3632575.90	4.62803	504021.98	3632575.90	4.14261
504121.98	3632575.90	3.89967	504221.98	3632575.90	3.68515
504321.98	3632575.90	3.46333	504421.98	3632575.90	3.43618
504521.98	3632575.90	3.65770	504621.98	3632575.90	3.43974
504721.98	3632575.90	3.08286	504821.98	3632575.90	3.04696
504921.98	3632575.90	2.91247	505021.98	3632575.90	2.76724
505121.98	3632575.90	2.75175	505221.98		

3632575.90 2.69022
505321.98 3632575.90 2.63781 505421.98
3632575.90 2.64039
505521.98 3632575.90 2.64035 505621.98
3632575.90 2.68065
505721.98 3632575.90 2.69607 501721.98
3632675.90 17.28510
501821.98 3632675.90 19.63423 501921.98
3632675.90 21.39746
502021.98 3632675.90 22.89877 502121.98
3632675.90 23.74238
502221.98 3632675.90 24.05563 502321.98
3632675.90 24.44622
502421.98 3632675.90 24.79843 502521.98
3632675.90 24.98456
502621.98 3632675.90 25.44513 502721.98
3632675.90 27.06005
502821.98 3632675.90 29.33136 502921.98
3632675.90 31.68217
503021.98 3632675.90 32.23339 503721.98
3632675.90 9.91647
503821.98 3632675.90 7.62005 503921.98
3632675.90 5.85356
504021.98 3632675.90 4.74021 504121.98
3632675.90 4.21306
504221.98 3632675.90 3.88999 504321.98
3632675.90 3.68228
504421.98 3632675.90 3.59654 504521.98
3632675.90 3.55470
504621.98 3632675.90 3.41410 504721.98
3632675.90 3.27394
504821.98 3632675.90 3.19642 504921.98
3632675.90 3.05986
505021.98 3632675.90 2.95080 505121.98
3632675.90 2.90753
505221.98 3632675.90 2.86237 505321.98
3632675.90 2.81159
505421.98 3632675.90 2.84364 505521.98
3632675.90 2.89530
505621.98 3632675.90 2.89538 505721.98
3632675.90 2.80124
502421.98 3632775.90 48.42530 502521.98
3632775.90 45.74482
502621.98 3632775.90 40.93473 502721.98
3632775.90 34.83939
502821.98 3632775.90 32.10749 502921.98
3632775.90 32.54290
503021.98 3632775.90 28.43562 503121.98
3632775.90 30.46177
503221.98 3632775.90 30.31013 503621.98

```
3632775.90       17.63305
         503721.98    3632775.90       12.29000                      503821.98
3632775.90        8.04338
         503921.98    3632775.90        6.81299                      504021.98
3632775.90        5.91620
         504121.98    3632775.90        4.97089                      504221.98
3632775.90        4.36286
         504321.98    3632775.90        4.01566                      504421.98
3632775.90        3.85723
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 584
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         504521.98    3632775.90        3.73440                      504621.98
3632775.90        3.59356
         504721.98    3632775.90        3.48818                      504821.98
3632775.90        3.36425
         504921.98    3632775.90        3.26746                      505021.98
3632775.90        3.18084
         505121.98    3632775.90        3.12588                      505221.98
3632775.90        3.06586
         505321.98    3632775.90        3.05738                      505421.98
3632775.90        3.10039
         505521.98    3632775.90        3.14148                      505621.98
3632775.90        3.13221
```

```
         505721.98    3632775.90        3.03664                    501721.98
3632875.90       14.24140
         501821.98    3632875.90       15.75448                    501921.98
3632875.90       16.66998
         502021.98    3632875.90       17.17082                    502121.98
3632875.90       17.56473
         502221.98    3632875.90       17.57574                    502321.98
3632875.90       17.67870
         502421.98    3632875.90       17.89297                    502521.98
3632875.90       17.85949
         502621.98    3632875.90       17.59028                    502721.98
3632875.90       17.50847
         502821.98    3632875.90       17.21889                    502921.98
3632875.90       16.38254
         503021.98    3632875.90       10.00094                    503121.98
3632875.90       14.10454
         503221.98    3632875.90       18.27522                    503321.98
3632875.90       20.49055
         503421.98    3632875.90       26.65425                    503621.98
3632875.90       26.33207
         503721.98    3632875.90       14.98369                    503821.98
3632875.90        8.77226
         503921.98    3632875.90        6.51345                    504021.98
3632875.90        5.76640
         504121.98    3632875.90        5.21001                    504221.98
3632875.90        4.66629
         504321.98    3632875.90        4.36487                    504421.98
3632875.90        4.13679
         504521.98    3632875.90        3.97329                    504621.98
3632875.90        3.83364
         504721.98    3632875.90        3.72842                    504821.98
3632875.90        3.59470
         504921.98    3632875.90        3.50785                    505021.98
3632875.90        3.44734
         505121.98    3632875.90        3.37639                    505221.98
3632875.90        3.35116
         505321.98    3632875.90        3.36694                    505421.98
3632875.90        3.42174
         505521.98    3632875.90        3.38055                    505621.98
3632875.90        3.37172
         505721.98    3632875.90        3.24715                    501721.98
3632975.90        9.29550
         501821.98    3632975.90       10.26797                    501921.98
3632975.90       10.99010
         502021.98    3632975.90       11.54623                    502121.98
3632975.90       11.95312
         505321.98    3632975.90        3.75115                    505421.98
3632975.90        3.72278
         505521.98    3632975.90        3.71010                    505621.98
3632975.90        3.62808
```

```
         505721.98    3632975.90        3.47133                      501721.98
3633075.90        7.44357
         501821.98    3633075.90        8.10452                      501921.98
3633075.90        8.70461
         502021.98    3633075.90        9.20148                      502121.98
3633075.90        9.65164
         505321.98    3633075.90        4.08176                      505421.98
3633075.90        4.08979
         505521.98    3633075.90        4.04893                      505621.98
3633075.90        3.91661
         505721.98    3633075.90        3.68101                      501721.98
3633175.90        6.53254
         501821.98    3633175.90        7.05069                      501921.98
3633175.90        7.53627
         502021.98    3633175.90        8.00342                      502121.98
3633175.90        8.39694
         505321.98    3633175.90        4.45530                      505421.98
3633175.90        4.38054
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 585
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                 L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                 L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         505521.98    3633175.90        4.33331                      505621.98
3633175.90        4.23481
         505721.98    3633175.90        3.94651                      501721.98
```

3633275.90 6.01192
501821.98 3633275.90 6.46406 501921.98 3633275.90 6.89624
502021.98 3633275.90 7.32814 502121.98 3633275.90 7.72571
505321.98 3633275.90 4.86996 505421.98 3633275.90 4.65125
505521.98 3633275.90 4.60065 505621.98 3633275.90 4.54345
505721.98 3633275.90 4.25806 501721.98 3633375.90 5.68655
501821.98 3633375.90 6.08722 501921.98 3633375.90 6.49010
502021.98 3633375.90 6.90243 502121.98 3633375.90 7.32535
505321.98 3633375.90 5.34367 505421.98 3633375.90 4.95686
505521.98 3633375.90 4.79724 505621.98 3633375.90 4.78625
505721.98 3633375.90 4.55373 501721.98 3633475.90 5.48113
501821.98 3633475.90 5.85762 501921.98 3633475.90 6.25466
502021.98 3633475.90 6.66240 502121.98 3633475.90 7.07365
505321.98 3633475.90 5.74760 505421.98 3633475.90 5.27713
505521.98 3633475.90 5.07809 505621.98 3633475.90 4.89241
505721.98 3633475.90 4.70970 501721.98 3633575.90 5.34461
501821.98 3633575.90 5.71042 501921.98 3633575.90 6.09397
502021.98 3633575.90 6.49849 502121.98 3633575.90 6.98389
505321.98 3633575.90 6.05456 505421.98 3633575.90 5.44475
505521.98 3633575.90 5.18788 505621.98 3633575.90 5.02578
505721.98 3633575.90 4.82022 501721.98 3633675.90 5.25617
501821.98 3633675.90 5.60797 501921.98 3633675.90 5.99596
502021.98 3633675.90 6.41578 502121.98 3633675.90 6.89899
505321.98 3633675.90 6.12845 505421.98 3633675.90 5.44978
505521.98 3633675.90 5.19603 505621.98 3633675.90 5.04332
505721.98 3633675.90 4.96900 501721.98

```
3633775.90        5.19787
         501821.98    3633775.90        5.54936                      501921.98
3633775.90        5.93452
         502021.98    3633775.90        6.35677                      502121.98
3633775.90        6.81783
         505321.98    3633775.90        6.28963                      505421.98
3633775.90        5.71112
         505521.98    3633775.90        5.30016                      505621.98
3633775.90        5.13714
         505721.98    3633775.90        5.08656                      501721.98
3633875.90        5.15319
         501821.98    3633875.90        5.51573                      501921.98
3633875.90        5.88292
         502021.98    3633875.90        6.33001                      502121.98
3633875.90        6.80287
         505321.98    3633875.90        6.42152                      505421.98
3633875.90        5.94937
         505521.98    3633875.90        5.49001                      505621.98
3633875.90        5.12360
         505721.98    3633875.90        5.06764                      501721.98
3633975.90        5.12166
         501821.98    3633975.90        5.47984                      501921.98
3633975.90        5.87514
         502021.98    3633975.90        6.31022                      502121.98
3633975.90        6.80891
         505321.98    3633975.90        6.41203                      505421.98
3633975.90        5.94004
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 586
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3633975.90	5.49170	505621.98	3633975.90	5.13127
505721.98	3633975.90	4.96596	501721.98	3634075.90	5.09470
501821.98	3634075.90	5.45691	501921.98	3634075.90	5.85737
502021.98	3634075.90	6.30267	502121.98	3634075.90	6.80279
505321.98	3634075.90	6.28042	505421.98	3634075.90	5.86505
505521.98	3634075.90	5.68516	505621.98	3634075.90	5.38369
505721.98	3634075.90	4.87999	501721.98	3634175.90	5.05642
501821.98	3634175.90	5.43165	501921.98	3634175.90	5.83958
502021.98	3634175.90	6.26687	502121.98	3634175.90	6.79015
505321.98	3634175.90	6.72423	505421.98	3634175.90	6.35884
505521.98	3634175.90	6.02203	505621.98	3634175.90	5.27020
505721.98	3634175.90	4.67450	501721.98	3634275.90	5.02692
501821.98	3634275.90	5.38768	501921.98	3634275.90	5.79078
502021.98	3634275.90	6.24028	502121.98	3634275.90	6.75733
505321.98	3634275.90	7.41949	505421.98	3634275.90	6.96598
505521.98	3634275.90	5.72714	505621.98	3634275.90	5.15520
505721.98	3634275.90	4.59149	501721.98	3634375.90	5.01422
501821.98	3634375.90	5.38605	501921.98	3634375.90	5.77794
502021.98	3634375.90	6.23135	502121.98	3634375.90	6.76962
505321.98	3634375.90	7.86611	505421.98	3634375.90	7.12968
505521.98	3634375.90	5.58348	505621.98	3634375.90	4.89288
505721.98	3634375.90	4.49435	501721.98	3634475.90	4.99171

```
         501821.98    3634475.90        5.36328                      501921.98
3634475.90        5.77462
         502021.98    3634475.90        6.24881                      502121.98
3634475.90        6.76688
         505321.98    3634475.90        7.83071                      505421.98
3634475.90        8.26198
         505521.98    3634475.90        6.60108                      505621.98
3634475.90        5.41867
         505721.98    3634475.90        4.59328                      501721.98
3634575.90        4.95297
         501821.98    3634575.90        5.31233                      501921.98
3634575.90        5.71818
         502021.98    3634575.90        6.18576                      502121.98
3634575.90        6.72033
         505321.98    3634575.90        7.69932                      505421.98
3634575.90        8.75940
         505521.98    3634575.90        7.74170                      505621.98
3634575.90        5.86579
         505721.98    3634575.90        4.86762                      501721.98
3634675.90        4.90782
         501821.98    3634675.90        5.26926                      501921.98
3634675.90        5.66707
         502021.98    3634675.90        6.12545                      502121.98
3634675.90        6.61046
         505321.98    3634675.90        7.90960                      505421.98
3634675.90        8.95817
         505521.98    3634675.90        8.96799                      505621.98
3634675.90        7.36230
         505721.98    3634675.90        5.69755                      501721.98
3634775.90        4.84128
         501821.98    3634775.90        5.19665                      501921.98
3634775.90        5.57539
         502021.98    3634775.90        6.02543                      502121.98
3634775.90        6.51773
         505321.98    3634775.90        8.16042                      505421.98
3634775.90       10.22869
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 587
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
```

```
                L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         505521.98    3634775.90        9.45414                      505621.98
3634775.90        8.41694
         505721.98    3634775.90        7.15192                      501721.98
3634875.90        4.75629
         501821.98    3634875.90        5.09987                      501921.98
3634875.90        5.47456
         502021.98    3634875.90        5.89278                      502121.98
3634875.90        6.36274
         505321.98    3634875.90        9.27610                      505421.98
3634875.90       10.86221
         505521.98    3634875.90        9.99991                      505621.98
3634875.90        9.21346
         505721.98    3634875.90        8.42055                      501721.98
3634975.90        4.66462
         501821.98    3634975.90        4.98383                      501921.98
3634975.90        5.33156
         502021.98    3634975.90        5.72252                      502121.98
3634975.90        6.16517
         505321.98    3634975.90       10.89515                      505421.98
3634975.90       11.87825
         505521.98    3634975.90       11.00237                      505621.98
3634975.90       10.08308
         505721.98    3634975.90        9.25301                      501721.98
3635075.90        4.76340
         501821.98    3635075.90        4.92871                      501921.98
3635075.90        5.84062
         502021.98    3635075.90        6.16284                      502121.98
3635075.90        5.94374
         505321.98    3635075.90       13.31089                      505421.98
3635075.90       13.69312
         505521.98    3635075.90       12.61450                      505621.98
3635075.90       11.45541
         505721.98    3635075.90       10.45738                      501721.98
3635175.90        4.97282
         501821.98    3635175.90        5.21042                      501921.98
```

```
3635175.90        5.67171
         502021.98    3635175.90        5.91505                      502121.98
3635175.90        5.94524
         505321.98    3635175.90       20.25595                      505421.98
3635175.90       18.38530
         505521.98    3635175.90       16.64802                      505621.98
3635175.90       14.94201
         505721.98    3635175.90       13.12197                      501721.98
3635275.90        4.86773
         501821.98    3635275.90        5.09235                      501921.98
3635275.90        5.34344
         502021.98    3635275.90        5.60962                      502121.98
3635275.90        5.81393
         505621.98    3635275.90       28.55769                      505721.98
3635275.90       22.23541
         501721.98    3635375.90        4.52986                      501821.98
3635375.90        4.74847
         501921.98    3635375.90        4.96770                      502021.98
3635375.90        5.20694
         502121.98    3635375.90        5.47623                      505621.98
3635375.90       28.82867
         501721.98    3635475.90        4.17874                      501821.98
3635475.90        4.37228
         501921.98    3635475.90        4.63191                      502021.98
3635475.90        4.89655
         502121.98    3635475.90        5.14696                      505621.98
3635475.90       13.78679
         505721.98    3635475.90       13.69890                      501721.98
3635575.90        3.88552
         501821.98    3635575.90        4.07978                      501921.98
3635575.90        4.33741
         502021.98    3635575.90        4.56106                      502121.98
3635575.90        4.77236
         505321.98    3635575.90       10.45260                      505421.98
3635575.90       10.11925
         505521.98    3635575.90        9.94012                      505621.98
3635575.90        9.67206
         505721.98    3635575.90        9.36778                      501721.98
3635675.90        3.60658
         501821.98    3635675.90        3.82912                      501921.98
3635675.90        4.04638
         502021.98    3635675.90        4.24575                      502121.98
3635675.90        4.43709
         505321.98    3635675.90        8.76873                      505421.98
3635675.90        8.50220
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
505521.98	3635675.90	8.18167	505621.98	3635675.90	7.90334
505721.98	3635675.90	7.50025	501721.98	3635775.90	3.34745
501821.98	3635775.90	3.59029	501921.98	3635775.90	3.80856
502021.98	3635775.90	3.99589	502121.98	3635775.90	4.19469
505321.98	3635775.90	7.69356	505421.98	3635775.90	7.43253
505521.98	3635775.90	7.13978	505621.98	3635775.90	6.81240
505721.98	3635775.90	6.47532	501721.98	3635875.90	3.10150
501821.98	3635875.90	3.35378	501921.98	3635875.90	3.58779
502021.98	3635875.90	3.75743	502121.98	3635875.90	3.95589
505321.98	3635875.90	6.98035	505421.98	3635875.90	6.63651
505521.98	3635875.90	6.36583	505621.98	3635875.90	6.06847
505721.98	3635875.90	5.76239	501721.98	3635975.90	2.92782
501821.98	3635975.90	3.17874	501921.98	3635975.90	3.38580

```
         502021.98    3635975.90        3.53553                    502121.98
3635975.90        3.72434
         505321.98    3635975.90        6.31416                    505421.98
3635975.90        6.04257
         505521.98    3635975.90        5.78386                    505621.98
3635975.90        5.53354
         505721.98    3635975.90        5.24143                    501721.98
3636075.90        2.82163
         501821.98    3636075.90        2.99599                    501921.98
3636075.90        3.18456
         502021.98    3636075.90        3.33359                    502121.98
3636075.90        3.51996
         502221.98    3636075.90        3.74668                    502321.98
3636075.90        4.01603
         502421.98    3636075.90        4.25423                    502521.98
3636075.90        4.47886
         502621.98    3636075.90        4.71963                    502721.98
3636075.90        4.97976
         502821.98    3636075.90        5.23128                    502921.98
3636075.90        5.42753
         503021.98    3636075.90        5.60638                    503121.98
3636075.90        5.65956
         503221.98    3636075.90        5.99452                    503321.98
3636075.90        6.38107
         503421.98    3636075.90        6.70354                    503521.98
3636075.90        7.01926
         503621.98    3636075.90        7.24310                    503721.98
3636075.90        7.38845
         503821.98    3636075.90        7.49474                    503921.98
3636075.90        7.61723
         504021.98    3636075.90        7.76457                    504121.98
3636075.90        7.88549
         504221.98    3636075.90        7.97111                    504321.98
3636075.90        8.03660
         504421.98    3636075.90        7.92338                    504521.98
3636075.90        7.71699
         504621.98    3636075.90        7.61758                    504721.98
3636075.90        7.43737
         504821.98    3636075.90        7.03182                    504921.98
3636075.90        6.64016
         505021.98    3636075.90        6.43442                    505121.98
3636075.90        6.20809
         505221.98    3636075.90        5.99720                    505321.98
3636075.90        5.80098
         505421.98    3636075.90        5.54063                    505521.98
3636075.90        5.34465
         505621.98    3636075.90        5.10749                    505721.98
3636075.90        4.85717
         501721.98    3636175.90        2.64589                    501821.98
3636175.90        2.81758
```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 ,
L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 ,
L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
502321.98	3636175.90	3.82919	502421.98	3636175.90	4.05331
502521.98	3636175.90	4.26061	502621.98	3636175.90	4.48421
502721.98	3636175.90	4.68835	502821.98	3636175.90	4.88617
502921.98	3636175.90	5.05880	503021.98	3636175.90	5.17295
503121.98	3636175.90	5.04438	503221.98	3636175.90	5.47226
503321.98	3636175.90	5.87357	503421.98	3636175.90	6.16477
503521.98	3636175.90	6.40591	503621.98	3636175.90	6.61958
503721.98	3636175.90	6.73752	503821.98	3636175.90	6.80763
503921.98	3636175.90	6.87717	504021.98		

3636175.90 6.94855
504121.98 3636175.90 6.96420 504221.98
3636175.90 7.05436
504321.98 3636175.90 6.81155 504421.98
3636175.90 6.37574
504521.98 3636175.90 5.62710 504621.98
3636175.90 6.11144
504721.98 3636175.90 6.88094 504821.98
3636175.90 6.71574
504921.98 3636175.90 6.49061 505021.98
3636175.90 6.13392
505121.98 3636175.90 5.76840 505221.98
3636175.90 5.57883
505321.98 3636175.90 5.41403 505421.98
3636175.90 5.21949
505521.98 3636175.90 4.97815 505621.98
3636175.90 4.76982
505721.98 3636175.90 4.55178 501721.98
3636275.90 2.53211
501821.98 3636275.90 2.68409 501921.98
3636275.90 2.86330
502021.98 3636275.90 3.04273 502121.98
3636275.90 3.24792
502221.98 3636275.90 3.46017 502321.98
3636275.90 3.66710
502421.98 3636275.90 3.86679 502521.98
3636275.90 4.06326
502621.98 3636275.90 4.23219 502721.98
3636275.90 4.40038
502821.98 3636275.90 4.55537 502921.98
3636275.90 4.68814
503021.98 3636275.90 4.83971 503121.98
3636275.90 4.87273
503221.98 3636275.90 4.94924 503321.98
3636275.90 5.23936
503421.98 3636275.90 5.57343 503521.98
3636275.90 5.81979
503621.98 3636275.90 6.00517 503721.98
3636275.90 6.11901
503821.98 3636275.90 6.17506 503921.98
3636275.90 6.21087
504021.98 3636275.90 6.18255 504121.98
3636275.90 6.04924
504221.98 3636275.90 5.60645 504321.98
3636275.90 4.62343
504421.98 3636275.90 4.46081 504521.98
3636275.90 4.30584
504621.98 3636275.90 4.76006 504721.98
3636275.90 5.46768
504821.98 3636275.90 5.06262 504921.98

```
3636275.90        5.91391
         505021.98    3636275.90        5.74851                        505121.98
3636275.90        5.39627
         505221.98    3636275.90        5.21714                        505321.98
3636275.90        5.08365
         505421.98    3636275.90        4.91296                        505521.98
3636275.90        4.68509
         505621.98    3636275.90        4.49504                        505721.98
3636275.90        4.30845
         501721.98    3636375.90        2.41834                        501821.98
3636375.90        2.57372
         501921.98    3636375.90        2.76531                        502021.98
3636375.90        2.92756
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 590
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         502121.98    3636375.90        3.11920                        502221.98
3636375.90        3.30012
         502321.98    3636375.90        3.47767                        502421.98
3636375.90        3.68053
         502521.98    3636375.90        3.85629                        502621.98
3636375.90        4.02045
         502721.98    3636375.90        4.12846                        502821.98
3636375.90        4.22100
```

```
         502921.98    3636375.90        4.30887                    503021.98
3636375.90        4.39618
         503121.98    3636375.90        4.41428                    503221.98
3636375.90        4.42320
         503321.98    3636375.90        4.64574                    503421.98
3636375.90        5.06071
         503521.98    3636375.90        5.26247                    503621.98
3636375.90        5.41027
         503721.98    3636375.90        5.54555                    503821.98
3636375.90        5.61646
         503921.98    3636375.90        5.50992                    504021.98
3636375.90        5.43625
         504121.98    3636375.90        5.16036                    504221.98
3636375.90        4.57499
         504321.98    3636375.90        4.07297                    504421.98
3636375.90        3.90199
         504521.98    3636375.90        3.88218                    504621.98
3636375.90        4.11326
         504721.98    3636375.90        4.46734                    504821.98
3636375.90        4.16075
         504921.98    3636375.90        4.21388                    505021.98
3636375.90        5.32724
         505121.98    3636375.90        5.17297                    505221.98
3636375.90        4.97885
         505321.98    3636375.90        4.80501                    505421.98
3636375.90        4.61750
         505521.98    3636375.90        4.44426                    505621.98
3636375.90        4.26555
         505721.98    3636375.90        4.09308                    501721.98
3636475.90        2.26713
         501821.98    3636475.90        2.42847                    501921.98
3636475.90        2.65412
         502021.98    3636475.90        2.79132                    502121.98
3636475.90        2.94838
         502221.98    3636475.90        3.13380                    502321.98
3636475.90        3.32895
         502421.98    3636475.90        3.51431                    502521.98
3636475.90        3.65752
         502621.98    3636475.90        3.78810                    502721.98
3636475.90        3.87708
         502821.98    3636475.90        3.89502                    502921.98
3636475.90        3.96405
         503021.98    3636475.90        3.98863                    503121.98
3636475.90        3.95876
         503221.98    3636475.90        3.95760                    503321.98
3636475.90        4.21338
         503421.98    3636475.90        4.50894                    503521.98
3636475.90        4.73393
         503621.98    3636475.90        4.87419                    503721.98
3636475.90        5.02421
```

```
         503821.98    3636475.90        4.98301                      503921.98
3636475.90        4.86963
         504021.98    3636475.90        4.11097                      504121.98
3636475.90        4.23610
         504221.98    3636475.90        4.21855                      504321.98
3636475.90        3.70033
         504421.98    3636475.90        3.56446                      504521.98
3636475.90        3.53872
         504621.98    3636475.90        3.56304                      504721.98
3636475.90        3.60751
         504821.98    3636475.90        3.61785                      504921.98
3636475.90        3.89419
         505021.98    3636475.90        4.83671                      505121.98
3636475.90        4.90486
         505221.98    3636475.90        4.71453                      505321.98
3636475.90        4.54353
         505421.98    3636475.90        4.35825                      505521.98
3636475.90        4.20112
         505621.98    3636475.90        4.04897                      505721.98
3636475.90        3.88907
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 591
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                   INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        502721.98   3633475.90       14.58563  (21111004)               502771.98
3633475.90       13.94248  (21111004)
        502821.98   3633475.90       12.94362  (21111004)               502871.98
3633475.90       12.13489  (19010119)
        502921.98   3633475.90       12.03821  (19010119)               502971.98
```

```
3633475.90       11.61472  (19010119)
        503021.98   3633475.90       10.86294  (19010119)                503071.98
3633475.90       14.12574  (21030103)
        503121.98   3633475.90       19.10965  (21030103)                503171.98
3633475.90       24.27602  (21030103)
        503221.98   3633475.90       28.61254  (21030103)                503271.98
3633475.90       30.98974  (21030103)
        503321.98   3633475.90       67.53286  (21031822)                503371.98
3633475.90       66.81617  (20121603)
        503421.98   3633475.90       64.01542  (20092123)                503471.98
3633475.90       84.02640  (20090205)
        503521.98   3633475.90       90.57168  (20090205)                503621.98
3633475.90       82.24368  (20111701)
        503671.98   3633475.90       64.24625  (21110603)                503721.98
3633475.90       71.22781  (21020924)
        503771.98   3633475.90       73.07339  (19101521)                503821.98
3633475.90       62.24986  (19101521)
        503871.98   3633475.90       80.36761  (20050102)                503921.98
3633475.90       72.09663  (20032924)
        503971.98   3633475.90       84.36467  (20082921)                504021.98
3633475.90       68.88345  (20080820)
        504071.98   3633475.90       83.09183  (20022622)                504121.98
3633475.90       80.00695  (21011302)
        504171.98   3633475.90       77.29318  (21022205)                504221.98
3633475.90       78.76011  (20022403)
        504271.98   3633475.90       76.27558  (21013021)                504321.98
3633475.90       70.80345  (21120723)
        504371.98   3633475.90       69.06772  (20101423)                504421.98
3633475.90       69.55770  (21011323)
        504471.98   3633475.90       68.15971  (21010102)                504521.98
3633475.90       64.36029  (19022705)
        504571.98   3633475.90       62.55134  (21021820)                504621.98
3633475.90       59.89141  (21011520)
        504671.98   3633475.90       57.10431  (19122301)                504721.98
3633475.90       53.93758  (20122923)
        502721.98   3633525.90       16.16213  (21111004)                502771.98
3633525.90       16.05514  (21111004)
        502821.98   3633525.90       15.53089  (21111004)                502871.98
3633525.90       14.58795  (21111004)
        502921.98   3633525.90       13.23859  (21111004)                502971.98
3633525.90       13.16685  (19010119)
        503021.98   3633525.90       12.78005  (19010119)                503071.98
3633525.90       11.99762  (19010119)
        503121.98   3633525.90       15.65464  (21030103)                503171.98
3633525.90       21.31591  (21030103)
        503221.98   3633525.90       27.09928  (21030103)                503271.98
3633525.90       31.70767  (21030103)
        503321.98   3633525.90       36.30839  (20121603)                503371.98
3633525.90       81.49809  (21031822)
        503421.98   3633525.90       79.49375  (20121603)                503471.98
```

```
3633525.90       81.00581  (20092124)
        503521.98   3633525.90       97.05215  (20090205)                503621.98
3633525.90       95.59994  (20111701)
        503671.98   3633525.90       78.08567  (19081924)                503721.98
3633525.90       88.38131  (21020924)
        503771.98   3633525.90       86.47630  (19082022)                503821.98
3633525.90       72.79079  (19101521)
        503871.98   3633525.90       84.97688  (20050102)                503921.98
3633525.90       77.51194  (21020203)
        503971.98   3633525.90       97.26859  (20082921)                504021.98
3633525.90       76.64380  (20081802)
        504071.98   3633525.90       87.38483  (20022622)                504121.98
3633525.90       82.81333  (21011302)
        504171.98   3633525.90       83.66119  (21022205)                504221.98
3633525.90       82.99625  (21011620)
        504271.98   3633525.90       82.98128  (21013021)                504321.98
3633525.90       77.26974  (21120723)
        504371.98   3633525.90       72.93582  (20112022)                504421.98
3633525.90       71.81550  (20031721)
        504471.98   3633525.90       70.16166  (20011902)                504521.98
3633525.90       69.23338  (21021820)
        504571.98   3633525.90       66.23982  (21011520)                504621.98
3633525.90       61.59558  (21010522)
        504671.98   3633525.90       58.66863  (20122923)                504721.98
3633525.90       56.44674  (21022502)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 592
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                   INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
        502721.98   3633575.90       16.96285  (21111004)              502771.98
3633575.90       17.51046  (21111004)
        502821.98   3633575.90       17.65850  (21111004)              502871.98
3633575.90       17.32738  (21111004)
        502921.98   3633575.90       16.46464  (21111004)              502971.98
3633575.90       15.10550  (21111004)
        503021.98   3633575.90       14.44456  (19010119)              503071.98
3633575.90       14.11960  (19010119)
        503121.98   3633575.90       13.29816  (19010119)              503171.98
3633575.90       17.44241  (21030103)
        503221.98   3633575.90       23.92790  (21030103)              503271.98
3633575.90       30.41019  (21030103)
        503321.98   3633575.90       35.27547  (21030103)              503371.98
3633575.90       62.74962  (21030103)
        503421.98   3633575.90       81.59371  (21031822)              503471.98
3633575.90       81.15607  (20121603)
        503521.98   3633575.90      113.00633  (20092124)              503621.98
3633575.90       95.16917  (20111701)
        503671.98   3633575.90       98.57337  (20111701)              503721.98
3633575.90      109.66466  (19081924)
        503771.98   3633575.90      101.34800  (19110606)              503821.98
3633575.90       90.04805  (19101521)
        503871.98   3633575.90      100.46247  (20050102)              503921.98
3633575.90       93.25388  (21020203)
        503971.98   3633575.90      113.66904  (20082921)              504021.98
3633575.90       89.30263  (20081802)
        504071.98   3633575.90       93.24835  (21013120)              504121.98
3633575.90       91.72663  (19102905)
        504171.98   3633575.90       94.26435  (20081021)              504221.98
3633575.90       95.02778  (21013021)
        504271.98   3633575.90       81.38067  (20042404)              504321.98
3633575.90       80.89253  (20101423)
        504371.98   3633575.90       81.40981  (21011323)              504421.98
3633575.90       77.91999  (20011902)
        504471.98   3633575.90       74.93792  (19022705)              504521.98
3633575.90       72.27342  (21011520)
        504571.98   3633575.90       67.11956  (21010522)              504621.98
3633575.90       63.86645  (20122923)
        504671.98   3633575.90       60.83989  (21022502)              504721.98
3633575.90       58.42620  (19120104)
        502721.98   3633625.90       16.81665  (21111004)              502771.98
3633625.90       18.03124  (21111004)
        502821.98   3633625.90       18.92004  (21111004)              502871.98
3633625.90       19.37790  (21111004)
        502921.98   3633625.90       19.29372  (21111004)              502971.98
3633625.90       18.61280  (21111004)
        503021.98   3633625.90       17.30554  (21111004)              503071.98
3633625.90       15.88332  (19010119)
        503121.98   3633625.90       15.64049  (19010119)              503171.98
3633625.90       14.84506  (19010119)
```

```
        503221.98   3633625.90       19.56246  (21030103)                503271.98
3633625.90       27.02849  (21030103)
        503321.98   3633625.90       34.30690  (21030103)                503371.98
3633625.90       39.37098  (21030103)
        503421.98   3633625.90       71.07383  (21031822)                503471.98
3633625.90       86.29792  (21031822)
        503521.98   3633625.90      100.80192  (20092124)                503621.98
3633625.90       96.33998  (20102407)
        503671.98   3633625.90      111.72358  (20111701)                503721.98
3633625.90      121.68626  (19081924)
        503771.98   3633625.90      106.40817  (19110606)                503821.98
3633625.90      109.01724  (19101521)
        503871.98   3633625.90      113.88516  (20050102)                503921.98
3633625.90      104.74103  (21020203)
        503971.98   3633625.90      130.26758  (20082921)                504021.98
3633625.90       98.49489  (19032124)
        504071.98   3633625.90      106.14942  (21013120)                504121.98
3633625.90      110.03696  (19102905)
        504171.98   3633625.90      107.82142  (20081021)                504221.98
3633625.90      110.61171  (21013021)
        504271.98   3633625.90       90.57537  (21120723)                504321.98
3633625.90       81.69035  (20112022)
        504371.98   3633625.90       85.01621  (21010102)                504421.98
3633625.90       81.76216  (19022705)
        504471.98   3633625.90       77.98812  (20121007)                504521.98
3633625.90       73.01816  (21010522)
        504571.98   3633625.90       69.31194  (20122923)                504621.98
3633625.90       65.52195  (21022502)
        504671.98   3633625.90       62.69462  (19120104)                504721.98
3633625.90       61.83612  (20021702)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 593
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633675.90	15.66232	(21111004)	502771.98	3633675.90	17.42472	(21111004)
502821.98	3633675.90	19.02345	(21111004)	502871.98	3633675.90	20.33255	(21111004)
502921.98	3633675.90	21.22306	(21111004)	502971.98	3633675.90	21.50746	(21111004)
503021.98	3633675.90	21.08079	(21111004)	503071.98	3633675.90	19.85851	(21111004)
503121.98	3633675.90	17.90413	(21111004)	503171.98	3633675.90	17.45973	(19010119)
503221.98	3633675.90	16.68917	(19010119)	503271.98	3633675.90	22.09596	(21030103)
503321.98	3633675.90	30.76060	(21030103)	503371.98	3633675.90	39.01766	(21030103)
503421.98	3633675.90	44.61864	(20121603)	503471.98	3633675.90	59.20441	(20121603)
503521.98	3633675.90	77.10096	(20121603)	503571.98	3633675.90	129.91020	(20092124)
503671.98	3633675.90	117.28209	(20111701)	503721.98	3633675.90	121.85474	(19081924)
503771.98	3633675.90	125.96750	(19081924)	503821.98	3633675.90	128.93291	(19101521)
503871.98	3633675.90	125.02909	(20050102)	503921.98	3633675.90	122.71611	(20082503)
503971.98	3633675.90	143.71029	(20082921)	504021.98	3633675.90	114.55963	(19032124)
504071.98	3633675.90	120.59496	(21013120)	504121.98	3633675.90	122.86186	(19102905)
504171.98	3633675.90	121.57009	(21011620)	504221.98	3633675.90	117.03696	(21013021)
504271.98	3633675.90	102.65135	(20073020)	504321.98	3633675.90	91.70002	(21011323)
504371.98	3633675.90	88.31899	(20011902)	504421.98	3633675.90	85.78886	(21021820)
504471.98	3633675.90	79.38842	(19121906)	504521.98	3633675.90	75.32621	(20122923)
504571.98	3633675.90	70.76978	(21022502)	504621.98	3633675.90	67.95733	(19120104)
504671.98	3633675.90	66.34279	(20021702)	504721.98	3633675.90	61.87491	(21010922)
502721.98	3633725.90	13.64715	(21111004)	502771.98	3633725.90	15.74122	(21111004)
502821.98	3633725.90	17.85902	(21111004)	502871.98	3633725.90	19.91542	(21111004)
502921.98	3633725.90	21.76869	(21111004)	502971.98			

```
3633725.90       23.15767  (21111004)
        503021.98   3633725.90       23.88433  (21111004)                503071.98
3633725.90       23.86095  (21111004)
        503121.98   3633725.90       22.88346  (21111004)                503171.98
3633725.90       20.94485  (21111004)
        503221.98   3633725.90       19.61572  (19010119)                503271.98
3633725.90       18.89389  (19010119)
        503321.98   3633725.90       25.14721  (21030103)                503371.98
3633725.90       35.32995  (21030103)
        503421.98   3633725.90       44.70145  (21030103)                503471.98
3633725.90       54.26851  (20121603)
        503521.98   3633725.90       69.53717  (20121603)                503571.98
3633725.90       94.31683  (20121603)
        503721.98   3633725.90      128.62940  (20111701)                503771.98
3633725.90      156.13246  (19081924)
        503821.98   3633725.90      142.87272  (19101521)                503871.98
3633725.90      140.23198  (21090401)
        503921.98   3633725.90      143.75942  (20082503)                503971.98
3633725.90      157.00150  (20082921)
        504021.98   3633725.90      134.41044  (20022622)                504071.98
3633725.90      134.60942  (21011302)
        504121.98   3633725.90      139.61555  (19121107)                504171.98
3633725.90      144.25182  (21013021)
        504221.98   3633725.90      125.75531  (21120723)                504271.98
3633725.90      115.76368  (21011323)
        504321.98   3633725.90       99.14356  (21010102)                504371.98
3633725.90       93.88071  (21021820)
        504421.98   3633725.90       88.59894  (21011520)                504471.98
3633725.90       82.53056  (19122301)
        504521.98   3633725.90       76.85059  (21022502)                504571.98
3633725.90       73.85741  (19120104)
        504621.98   3633725.90       75.72362  (20081805)                504671.98
3633725.90       73.38141  (20081803)
        504721.98   3633725.90       67.03282  (20111118)                502721.98
3633775.90       18.36997  (21012320)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 594
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502771.98	3633775.90	16.94299	(21012320)	502821.98	3633775.90	15.57160	(21111004)
502871.98	3633775.90	18.07316	(21111004)	502921.98	3633775.90	20.63709	(21111004)
502971.98	3633775.90	23.05469	(21111004)	503021.98	3633775.90	25.08106	(21111004)
503071.98	3633775.90	26.49133	(21111004)	503121.98	3633775.90	27.01986	(21111004)
503171.98	3633775.90	26.44641	(21111004)	503221.98	3633775.90	24.64166	(21111004)
503271.98	3633775.90	22.16520	(19010119)	503321.98	3633775.90	21.56845	(19010119)
503371.98	3633775.90	28.87661	(21030103)	503421.98	3633775.90	40.95650	(21030103)
503471.98	3633775.90	51.60446	(21030103)	503771.98	3633775.90	184.10175	(19081924)
503821.98	3633775.90	158.62930	(19110606)	503871.98	3633775.90	173.60229	(21090401)
503921.98	3633775.90	164.94558	(20082503)	503971.98	3633775.90	171.97317	(20082921)
504021.98	3633775.90	156.45641	(20022622)	504071.98	3633775.90	160.44557	(19102905)
504121.98	3633775.90	161.24630	(20022403)	504171.98	3633775.90	162.47211	(21013021)
504221.98	3633775.90	138.37694	(20073020)	504271.98	3633775.90	127.53774	(21010102)
504321.98	3633775.90	112.33966	(20080120)	504371.98	3633775.90	100.75776	(21011520)
504421.98	3633775.90	92.58767	(19122301)	504471.98	3633775.90	84.24230	(21022502)
504521.98	3633775.90	81.81409	(19120104)	504571.98	3633775.90	95.08978	(20081805)
504621.98	3633775.90	90.93430	(20081803)	504671.98	3633775.90	81.62881	(20111118)
504721.98	3633775.90	75.18779	(21011418)	502721.98	3633825.90	23.59873	(21012320)
502771.98	3633825.90	22.82287	(21012320)	502821.98	3633825.90	21.63999	(21012320)
502871.98	3633825.90	20.04098	(21012320)	502921.98	3633825.90	18.12149	(21012320)

```
        502971.98   3633825.90       21.06618  (21111004)               503021.98
3633825.90       24.11327  (21111004)
        503071.98   3633825.90       26.93196  (21111004)               503121.98
3633825.90       29.20162  (21111004)
        503171.98   3633825.90       30.56706  (21111004)               503221.98
3633825.90       30.65092  (21111004)
        503271.98   3633825.90       29.19228  (21111004)               503771.98
3633825.90      199.17955  (19081924)
        503821.98   3633825.90      193.23062  (19081924)               503871.98
3633825.90      211.16153  (21090401)
        503921.98   3633825.90      191.98716  (20082503)               503971.98
3633825.90      190.29375  (20082921)
        504021.98   3633825.90      195.26414  (20022622)               504071.98
3633825.90      185.59747  (19102905)
        504121.98   3633825.90      183.86744  (20032321)               504171.98
3633825.90      174.43650  (21120723)
        504221.98   3633825.90      160.65284  (21011323)               504271.98
3633825.90      148.39015  (20011902)
        504321.98   3633825.90      134.97793  (21011520)               504371.98
3633825.90      118.51841  (19122301)
        504421.98   3633825.90      106.66674  (20080623)               504471.98
3633825.90      102.22472  (20081805)
        504521.98   3633825.90      110.02192  (20081805)               504571.98
3633825.90      109.32840  (20081803)
        504621.98   3633825.90       94.76228  (20111118)               504671.98
3633825.90       91.27271  (21011418)
        504721.98   3633825.90       83.92338  (21011418)               502721.98
3633875.90       27.42059  (21012320)
        502771.98   3633875.90       27.75030  (21012320)               502821.98
3633875.90       27.62334  (21012320)
        502871.98   3633875.90       26.97347  (21012320)               502921.98
3633875.90       25.87964  (21012320)
        502971.98   3633875.90       24.10455  (21012320)               503021.98
3633875.90       21.79676  (21012320)
        503071.98   3633875.90       24.86368  (21111004)               503121.98
3633875.90       28.58733  (21111004)
        503171.98   3633875.90       31.94588  (21111004)               503221.98
3633875.90       34.44473  (21111004)
        503271.98   3633875.90       35.54156  (21111004)               503821.98
3633875.90      248.68848  (19081924)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 595
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
```

INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503871.98	3633875.90	238.18689	(21090401)	503921.98	3633875.90	242.63351	(20082503)
503971.98	3633875.90	250.75445	(21082504)	504021.98	3633875.90	222.91852	(21013120)
504071.98	3633875.90	210.40569	(19121107)	504121.98	3633875.90	230.62064	(20032321)
504171.98	3633875.90	192.99737	(19033021)	504221.98	3633875.90	178.39136	(21010102)
504271.98	3633875.90	163.72638	(21021820)	504321.98	3633875.90	143.23694	(21010522)
504371.98	3633875.90	127.27120	(20080623)	504421.98	3633875.90	127.69625	(20081805)
504471.98	3633875.90	129.74141	(20081805)	504521.98	3633875.90	125.71300	(20081803)
504571.98	3633875.90	111.87450	(20081603)	504621.98	3633875.90	107.21052	(21011418)
504671.98	3633875.90	85.29417	(21011418)	504721.98	3633875.90	75.52538	(20081722)
502721.98	3633925.90	28.67090	(21012320)	502771.98	3633925.90	30.21907	(21012320)
502821.98	3633925.90	31.47868	(21012320)	502871.98	3633925.90	32.35915	(21012320)
502921.98	3633925.90	32.73613	(21012320)	502971.98	3633925.90	32.34297	(21012320)
503021.98	3633925.90	31.25134	(21012320)	503071.98	3633925.90	29.37589	(21012320)
503121.98	3633925.90	26.67712	(21012320)	503171.98	3633925.90	29.84573	(21111004)
503221.98	3633925.90	34.50002	(21111004)	503271.98	3633925.90	38.51218	(21111004)
503821.98	3633925.90	277.14519	(19081924)	503871.98	3633925.90	277.13747	(21090401)
503921.98	3633925.90	328.18523	(20082503)	503971.98	3633925.90	262.60095	(21082504)
504021.98	3633925.90	248.44797	(21013120)	504071.98			

```
3633925.90      268.49935  (20032321)
        504121.98   3633925.90      254.86244  (19033021)                504171.98
3633925.90      211.96162  (21060903)
        504221.98   3633925.90      196.88547  (19022705)                504271.98
3633925.90      178.22017  (21010522)
        504321.98   3633925.90      156.50223  (19022722)                504371.98
3633925.90      170.03073  (20081805)
        504421.98   3633925.90      166.60307  (20081803)                504471.98
3633925.90      142.68480  (20081803)
        504521.98   3633925.90      131.11485  (20081603)                504571.98
3633925.90      113.34914  (21011418)
        504621.98   3633925.90       91.12023  (20081722)                504671.98
3633925.90       81.77767  (21011724)
        504721.98   3633925.90       76.62461  (20080422)                502721.98
3633975.90       26.84916  (21012320)
        502771.98   3633975.90       29.33952  (21012320)                502821.98
3633975.90       31.79313  (21012320)
        502871.98   3633975.90       34.24231  (21012320)                502921.98
3633975.90       36.38236  (21012320)
        502971.98   3633975.90       37.97047  (21012320)                503021.98
3633975.90       39.00156  (21012320)
        503071.98   3633975.90       39.20608  (21012320)                503121.98
3633975.90       38.41137  (21012320)
        503171.98   3633975.90       36.45956  (21012320)                503221.98
3633975.90       33.32308  (21012320)
        503271.98   3633975.90       36.62797  (21111004)                503821.98
3633975.90      263.81013  (19081924)
        503871.98   3633975.90      261.50882  (21090401)                503921.98
3633975.90      175.61778  (21020203)
        503971.98   3633975.90      241.36414  (21082504)                504021.98
3633975.90      261.62893  (21011302)
        504071.98   3633975.90      336.22855  (20032321)                504121.98
3633975.90      281.95019  (19033021)
        504171.98   3633975.90      227.91558  (20011902)                504221.98
3633975.90      213.38703  (21011520)
        504271.98   3633975.90      195.76653  (21060824)                504321.98
3633975.90      224.60948  (20081805)
        504371.98   3633975.90      202.16068  (20081803)                504421.98
3633975.90      171.86076  (20081603)
        504471.98   3633975.90      143.79703  (21011418)                504521.98
3633975.90      112.53663  (21011418)
        504571.98   3633975.90       95.15676  (21011724)                504621.98
3633975.90       88.66344  (20080422)
        504671.98   3633975.90       80.99225  (20072623)                504721.98
3633975.90       73.43058  (20072623)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3634025.90	22.46067	(21012320)	502771.98	3634025.90	25.37709	(21012320)
502821.98	3634025.90	28.46406	(21012320)	502871.98	3634025.90	31.77093	(21012320)
502921.98	3634025.90	35.17763	(21012320)	502971.98	3634025.90	38.62352	(21012320)
503021.98	3634025.90	41.96117	(21012320)	503071.98	3634025.90	44.77483	(21012320)
503121.98	3634025.90	46.97826	(21012320)	503171.98	3634025.90	48.20441	(21012320)
503221.98	3634025.90	48.07926	(21012320)	503271.98	3634025.90	46.31668	(21012320)
503871.98	3634025.90	192.02013	(19110606)	503921.98	3634025.90	217.01024	(21020203)
503971.98	3634025.90	256.61127	(20022622)	504021.98	3634025.90	285.56101	(21022105)
504071.98	3634025.90	298.69117	(19033021)	504121.98	3634025.90	265.99882	(21010102)
504171.98	3634025.90	257.39475	(21011520)	504221.98	3634025.90	251.48203	(21060824)
504271.98	3634025.90	280.02152	(20081805)	504321.98	3634025.90	251.38163	(20081803)
504371.98	3634025.90	210.50733	(20081603)	504421.98	3634025.90	153.46446	(21011418)
504471.98	3634025.90	118.03351	(20081722)	504521.98	3634025.90	105.82860	(20080422)
504571.98	3634025.90	96.73009	(20072623)	504621.98	3634025.90	84.98116	(20072623)
504671.98	3634025.90	81.66561	(20081804)	504721.98	3634025.90	78.20322	(20081804)

```
        502721.98   3634075.90       22.60533  (19083104)                502771.98
3634075.90       23.08651  (19083104)
        502821.98   3634075.90       23.51349  (19083104)                502871.98
3634075.90       25.67596  (21012320)
        502921.98   3634075.90       29.51626  (21012320)                502971.98
3634075.90       33.75027  (21012320)
        503021.98   3634075.90       38.42646  (21012320)                503071.98
3634075.90       43.29733  (21012320)
        503121.98   3634075.90       48.22874  (21012320)                503171.98
3634075.90       52.98136  (21012320)
        503221.98   3634075.90       57.10244  (21012320)                503271.98
3634075.90       60.14976  (21012320)
        503871.98   3634075.90      231.09425  (19110606)                503921.98
3634075.90      276.74610  (21020203)
        503971.98   3634075.90      286.70193  (20101422)                504021.98
3634075.90      318.12782  (20022403)
        504071.98   3634075.90      327.07910  (19033021)                504121.98
3634075.90      304.40582  (21021820)
        504171.98   3634075.90      304.82829  (21060824)                504221.98
3634075.90      359.58334  (20081805)
        504271.98   3634075.90      306.03909  (20081803)                504321.98
3634075.90      258.84057  (20081603)
        504371.98   3634075.90      157.15014  (21011418)                504421.98
3634075.90      133.75220  (21021921)
        504471.98   3634075.90      118.74632  (20072623)                504521.98
3634075.90      102.94824  (20090223)
        504571.98   3634075.90       99.68805  (20081804)                504621.98
3634075.90       86.43223  (20081804)
        504671.98   3634075.90       79.68424  (19121305)                504721.98
3634075.90       73.04480  (19011923)
        502721.98   3634125.90       24.99936  (19083104)                502771.98
3634125.90       26.14348  (19083104)
        502821.98   3634125.90       27.36359  (19083104)                502871.98
3634125.90       28.60954  (19083104)
        502921.98   3634125.90       29.76762  (19083104)                502971.98
3634125.90       30.87284  (19083104)
        503021.98   3634125.90       31.90609  (19083104)                503071.98
3634125.90       34.99083  (21012320)
        503121.98   3634125.90       41.00838  (21012320)                503171.98
3634125.90       47.74746  (21012320)
        503221.98   3634125.90       54.88301  (21012320)                503271.98
3634125.90       62.50784  (21012320)
        503921.98   3634125.90      368.27217  (21020203)                503971.98
3634125.90      381.37539  (20101422)
        504021.98   3634125.90      331.08443  (20050805)                504071.98
3634125.90      325.32935  (21022702)
        504121.98   3634125.90      266.23899  (21022802)                504171.98
3634125.90      411.65144  (20081805)
        504221.98   3634125.90      369.70939  (20081603)                504271.98
3634125.90      302.75239  (20081603)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3634125.90	215.44765	(20080721)	504371.98	3634125.90	171.76451	(21040622)
504421.98	3634125.90	139.75719	(20081804)	504471.98	3634125.90	126.41297	(20081804)
504521.98	3634125.90	107.85966	(20081804)	504571.98	3634125.90	90.45710	(20082223)
504621.98	3634125.90	83.43102	(19012803)	504671.98	3634125.90	78.04804	(21121821)
504721.98	3634125.90	73.32959	(20121224)	502721.98	3634175.90	24.52237	(19083104)
502771.98	3634175.90	26.19255	(19083104)	502821.98	3634175.90	28.01236	(19083104)
502871.98	3634175.90	29.96773	(19083104)	502921.98	3634175.90	31.99530	(19083104)
502971.98	3634175.90	34.16110	(19083104)	503021.98	3634175.90	36.48363	(19083104)
503071.98	3634175.90	38.83738	(19083104)	503121.98	3634175.90	41.25462	(19083104)
503171.98	3634175.90	43.64717	(19083104)	503221.98	3634175.90	45.90219	(19083104)
503271.98	3634175.90	50.76064	(21012320)	503971.98	3634175.90	573.40514	(21022105)
504021.98	3634175.90	491.49554	(21120804)	504071.98	3634175.90	367.07954	(21022802)
504121.98	3634175.90	288.16529	(20121123)	504171.98			

3634175.90 237.63599 (21022620)
504221.98 3634175.90 267.71489 (20081603) 504271.98
3634175.90 258.73598 (21040622)
504321.98 3634175.90 238.53619 (21081123) 504371.98
3634175.90 164.67388 (20081804)
504421.98 3634175.90 122.57450 (20082223) 504471.98
3634175.90 104.20045 (19012803)
504521.98 3634175.90 96.16276 (20121224) 504571.98
3634175.90 89.62342 (20020703)
504621.98 3634175.90 82.77491 (20020703) 504671.98
3634175.90 76.70778 (21122121)
504721.98 3634175.90 74.70553 (21122121) 502721.98
3634225.90 21.39775 (19083104)
502771.98 3634225.90 23.17242 (19083104) 502821.98
3634225.90 25.14128 (19083104)
502871.98 3634225.90 27.30520 (19083104) 502921.98
3634225.90 29.66110 (19083104)
502971.98 3634225.90 32.31009 (19083104) 503021.98
3634225.90 35.30245 (19083104)
503071.98 3634225.90 38.58285 (19083104) 503121.98
3634225.90 42.22774 (19083104)
503171.98 3634225.90 46.24125 (19083104) 503221.98
3634225.90 50.68285 (19083104)
503271.98 3634225.90 55.62529 (19083104) 504071.98
3634225.90 411.35273 (20121123)
504121.98 3634225.90 316.66465 (20011623) 504171.98
3634225.90 255.48281 (21022221)
504221.98 3634225.90 215.94789 (21020122) 504271.98
3634225.90 254.21264 (20081502)
504321.98 3634225.90 244.63667 (20090623) 504371.98
3634225.90 145.76509 (20090623)
504421.98 3634225.90 111.02526 (20020703) 504471.98
3634225.90 103.47558 (21122121)
504521.98 3634225.90 96.64930 (21122121) 504571.98
3634225.90 91.14889 (20121803)
504621.98 3634225.90 84.85106 (21122201) 504671.98
3634225.90 79.17473 (21122201)
504721.98 3634225.90 73.87467 (19021906) 502721.98
3634275.90 20.55998 (21021102)
502771.98 3634275.90 21.64247 (21021102) 502821.98
3634275.90 22.86099 (21021102)
502871.98 3634275.90 24.22741 (21021102) 502921.98
3634275.90 25.59406 (21021102)
502971.98 3634275.90 27.11660 (21021102) 503021.98
3634275.90 28.89657 (21021102)
503071.98 3634275.90 31.91684 (19083104) 503121.98
3634275.90 35.51810 (19083104)
503171.98 3634275.90 39.71138 (19083104) 503221.98
3634275.90 44.58932 (19083104)
503271.98 3634275.90 50.38835 (19083104) 504121.98

3634275.90   327.36726 (21010422)
        504171.98   3634275.90   263.11632 (21022220)   504221.98
3634275.90   290.38469 (20080102)
        504271.98   3634275.90   260.60631 (20081301)   504321.98
3634275.90   233.67980 (20081301)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                   INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504371.98   3634275.90   155.19439 (20073024)   504421.98
3634275.90   121.04198 (20082805)
        504471.98   3634275.90   103.12205 (20013123)   504521.98
3634275.90   96.29765 (20013123)
        504571.98   3634275.90   90.09128 (20013123)   504621.98
3634275.90   83.23255 (20013123)
        504671.98   3634275.90   76.29123 (20013123)   504721.98
3634275.90   71.08933 (21013019)
        502721.98   3634325.90   27.25330 (21021102)   502771.98
3634325.90   28.96312 (21021102)
        502821.98   3634325.90   30.80973 (21021102)   502871.98
3634325.90   33.25274 (21021102)
        502971.98   3634325.90   37.92923 (21021102)   503021.98
3634325.90   40.84044 (21021102)
        503071.98   3634325.90   44.10677 (21021102)   503121.98
3634325.90   47.77045 (21021102)
        503171.98   3634325.90   51.99110 (21021102)   503221.98
3634325.90   56.86834 (21021102)
        503271.98   3634325.90   62.61104 (21021102)   504171.98
3634325.90   258.47560 (21010219)

504221.98 3634325.90 340.69314 (20082306) 504271.98
3634325.90 302.89129 (20082306)
504321.98 3634325.90 280.21945 (20082306) 504371.98
3634325.90 227.30554 (20082306)
504421.98 3634325.90 160.70027 (20082306) 504471.98
3634325.90 126.43565 (20082306)
504521.98 3634325.90 97.56331 (20082306) 504571.98
3634325.90 90.45690 (21021007)
504621.98 3634325.90 84.77360 (21021007) 504671.98
3634325.90 79.61730 (21021007)
504721.98 3634325.90 74.94622 (21021007) 502721.98
3634375.90 31.19587 (21021102)
502771.98 3634375.90 33.16412 (21021102) 502821.98
3634375.90 35.22217 (21021102)
503021.98 3634375.90 46.44131 (21021102) 503071.98
3634375.90 50.17852 (21021102)
503121.98 3634375.90 54.19187 (21021102) 503171.98
3634375.90 58.70717 (21021102)
503221.98 3634375.90 63.96908 (21021102) 503271.98
3634375.90 70.04297 (21021102)
504221.98 3634375.90 275.24500 (20082306) 504271.98
3634375.90 244.20782 (20082306)
504321.98 3634375.90 215.51038 (20082306) 504371.98
3634375.90 182.72252 (20041201)
504421.98 3634375.90 134.18211 (20041201) 504471.98
3634375.90 104.56434 (20041201)
504521.98 3634375.90 93.81551 (21013119) 504571.98
3634375.90 87.50828 (21013119)
504621.98 3634375.90 81.68543 (20011720) 504671.98
3634375.90 76.87385 (20011720)
504721.98 3634375.90 72.43119 (20011720) 502721.98
3634425.90 30.88678 (21021102)
502771.98 3634425.90 32.44306 (21021102) 502821.98
3634425.90 34.10854 (21021102)
504271.98 3634425.90 162.14097 (21020220) 504321.98
3634425.90 187.11972 (20082303)
504371.98 3634425.90 189.84120 (21012820) 504421.98
3634425.90 145.89237 (20081806)
504471.98 3634425.90 107.81790 (20081806) 504521.98
3634425.90 87.21132 (20081806)
504571.98 3634425.90 81.46621 (20041201) 504621.98
3634425.90 77.73019 (20041201)
504671.98 3634425.90 73.07221 (20041201) 504721.98
3634425.90 68.52689 (20041201)
502721.98 3634475.90 26.35692 (21021102) 502771.98
3634475.90 27.28878 (21021102)
502821.98 3634475.90 28.18529 (21021102) 504321.98
3634475.90 105.79884 (21020220)
504371.98 3634475.90 196.64831 (20082303) 504421.98
3634475.90 174.55975 (20081401)

```
        504471.98   3634475.90      116.66826  (20081806)                504521.98
3634475.90      106.59714  (20081806)
        504571.98   3634475.90      101.19358  (20081806)                504621.98
3634475.90       95.54510  (20081806)
        504671.98   3634475.90       81.18164  (20081806)                504721.98
3634475.90       68.42780  (20081806)
        502721.98   3634525.90       23.36959  (19050903)                502771.98
3634525.90       25.69322  (19050903)
        504371.98   3634525.90       61.80021  (20082303)                504421.98
3634525.90       65.25391  (20082303)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 599
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        504471.98   3634525.90      139.88501  (20081401)                504521.98
3634525.90      132.12827  (20081401)
        504571.98   3634525.90      109.38950  (20081401)                504621.98
3634525.90       95.99819  (19022319)
        504671.98   3634525.90       79.44728  (19022319)                504721.98
3634525.90       69.04588  (20081806)
        502721.98   3634575.90       27.19751  (19050903)                502771.98
3634575.90       29.25549  (19050903)
        504421.98   3634575.90       41.28376  (21071520)                504471.98
3634575.90       39.97421  (20082303)
        504521.98   3634575.90       44.56800  (20082303)                504571.98
3634575.90      102.27517  (19042006)
        504621.98   3634575.90       97.15114  (19042006)                504671.98
3634575.90       84.56950  (20082303)
        504721.98   3634575.90       76.15288  (20082303)                502721.98
```

```
3634625.90       27.82767  (19050903)
        502771.98   3634625.90       29.04914  (19050903)                502821.98
3634625.90       30.17469  (19050903)
        502871.98   3634625.90       31.05479  (19050903)                502921.98
3634625.90       31.65248  (19050903)
        502971.98   3634625.90       31.92037  (19050903)                503021.98
3634625.90       31.76690  (19050903)
        503071.98   3634625.90       31.10839  (19050903)                503121.98
3634625.90       32.25120  (20021724)
        504471.98   3634625.90       40.31875  (21071520)                504521.98
3634625.90       30.47416  (21071520)
        504571.98   3634625.90       27.06980  (20082303)                504621.98
3634625.90       77.65263  (21122106)
        504671.98   3634625.90       74.45586  (21122106)                504721.98
3634625.90       72.27935  (19042006)
        502721.98   3634675.90       25.11638  (19050903)                502771.98
3634675.90       25.31837  (19050903)
        502821.98   3634675.90       25.28176  (19050903)                502871.98
3634675.90       24.92591  (19050903)
        502921.98   3634675.90       24.23045  (19050903)                502971.98
3634675.90       24.16215  (20021724)
        503021.98   3634675.90       29.22717  (20021724)                503071.98
3634675.90       34.86215  (20021724)
        503121.98   3634675.90       40.93778  (20021724)                503171.98
3634675.90       50.65742  (21011719)
        503221.98   3634675.90       65.39039  (21011719)                503271.98
3634675.90       78.01071  (21011719)
        503321.98   3634675.90       84.56560  (21011719)                503371.98
3634675.90       81.01612  (21011719)
        503421.98   3634675.90       93.25750  (20022207)                503471.98
3634675.90      103.55182  (20022207)
        503521.98   3634675.90      109.75170  (21012023)                504521.98
3634675.90       38.42645  (21071520)
        504571.98   3634675.90       30.46069  (21071520)                504621.98
3634675.90       23.44502  (21071520)
        504671.98   3634675.90       19.09306  (20082303)                504721.98
3634675.90       63.06069  (21122106)
        502721.98   3634725.90       20.08692  (19050903)                502771.98
3634725.90       19.44588  (19050903)
        502821.98   3634725.90       19.44725  (19120120)                502871.98
3634725.90       22.41353  (20021724)
        502921.98   3634725.90       26.54134  (20021724)                502971.98
3634725.90       31.00120  (20021724)
        503021.98   3634725.90       35.59036  (20021724)                503071.98
3634725.90       43.75253  (21011719)
        503121.98   3634725.90       55.23255  (21011719)                503171.98
3634725.90       65.12638  (21011719)
        503221.98   3634725.90       70.58543  (21011719)                503271.98
3634725.90       68.90128  (21011719)
        503321.98   3634725.90       71.68267  (20022207)                503371.98
```

3634725.90   83.24778 (20022207)
        503421.98   3634725.90   86.49802 (20022207)   503471.98
3634725.90   93.16774 (21012023)
        503521.98   3634725.90   87.65615 (20040823)   503571.98
3634725.90   101.30458 (20040823)
        503621.98   3634725.90   111.83813 (21121424)   504571.98
3634725.90   36.02348 (21071520)
        504621.98   3634725.90   29.66913 (21071520)   504671.98
3634725.90   23.76010 (21071520)
        504721.98   3634725.90   18.60557 (21071520)   502721.98
3634775.90   17.66865 (19120120)
        502771.98   3634775.90   20.72778 (20021724)   502821.98
3634775.90   24.13518 (20021724)
        502871.98   3634775.90   27.72749 (20021724)   502921.98
3634775.90   31.31811 (20021724)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER   ***
                                 INCLUDING SOURCE(S):   L0000928   , L0000929 , L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937 ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

503471.98 3634775.90 75.47908 (20040823) 503521.98
3634775.90 86.03025 (20040823)
503571.98 3634775.90 95.10916 (21121424) 503621.98
3634775.90 97.81890 (19121706)
503671.98 3634775.90 100.20352 (19121706) 503721.98
3634775.90 87.26937 (19020322)
503771.98 3634775.90 95.11773 (20120224) 503821.98
3634775.90 125.34345 (20120224)
504621.98 3634775.90 33.41576 (21071520) 504671.98
3634775.90 28.47076 (21071520)
504721.98 3634775.90 23.55863 (21071520) 502721.98
3634825.90 22.03287 (20021724)
502771.98 3634825.90 24.95155 (20021724) 502821.98
3634825.90 27.81164 (20021724)
502871.98 3634825.90 33.90015 (21011719) 502921.98
3634825.90 41.33701 (21011719)
502971.98 3634825.90 47.75815 (21011719) 503021.98
3634825.90 51.73716 (21011719)
503071.98 3634825.90 51.92207 (21011719) 503121.98
3634825.90 47.65115 (21011719)
503171.98 3634825.90 53.83106 (20022207) 503221.98
3634825.90 61.02533 (20022207)
503271.98 3634825.90 63.78477 (20022207) 503321.98
3634825.90 66.52349 (21012023)
503371.98 3634825.90 68.44107 (21012023) 503421.98
3634825.90 65.87341 (20040823)
503471.98 3634825.90 74.25133 (20040823) 503521.98
3634825.90 81.28429 (21121424)
503571.98 3634825.90 79.34973 (19121706) 503621.98
3634825.90 89.33050 (19121706)
503671.98 3634825.90 73.15816 (19121706) 503721.98
3634825.90 74.83378 (19020322)
503771.98 3634825.90 95.14365 (20120224) 503821.98
3634825.90 113.61922 (21021806)
503871.98 3634825.90 120.03275 (21021806) 503921.98
3634825.90 134.87312 (21012024)
504671.98 3634825.90 30.81177 (21071520) 504721.98
3634825.90 27.01767 (21071520)
502721.98 3634875.90 24.88334 (20021724) 502771.98
3634875.90 30.25676 (21011719)
502821.98 3634875.90 36.41633 (21011719) 502871.98
3634875.90 41.73958 (21011719)
502921.98 3634875.90 45.21193 (21011719) 502971.98
3634875.90 45.79577 (21011719)
503021.98 3634875.90 42.92749 (21011719) 503071.98
3634875.90 43.87040 (20022207)
503121.98 3634875.90 50.91561 (20022207) 503171.98
3634875.90 55.22962 (20022207)
503221.98 3634875.90 55.54506 (20022207) 503271.98
3634875.90 59.51234 (21012023)

```
        503321.98   3634875.90       59.40171  (21012023)                503371.98
3634875.90       58.19106  (20040823)
        503421.98   3634875.90       65.06286  (20040823)                503471.98
3634875.90       70.24847  (21121424)
        503521.98   3634875.90       70.68963  (21121424)                503571.98
3634875.90       77.70738  (19121706)
        503621.98   3634875.90       72.01272  (19121706)                503671.98
3634875.90       65.80294  (19020322)
        503721.98   3634875.90       61.26674  (19020322)                503771.98
3634875.90       90.48736  (20120224)
        503821.98   3634875.90      104.87866  (21021806)                503871.98
3634875.90      100.93564  (21021806)
        503921.98   3634875.90      152.07494  (21012024)                504721.98
3634875.90       28.31686  (21071520)
        502721.98   3634925.90       32.38624  (21011719)                502771.98
3634925.90       36.88479  (21011719)
        502821.98   3634925.90       39.92405  (21011719)                502871.98
3634925.90       40.71739  (21011719)
        502921.98   3634925.90       38.83023  (21011719)                502971.98
3634925.90       36.01875  (20022207)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 601
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        503021.98   3634925.90       42.46308  (20022207)                503071.98
3634925.90       47.43817  (20022207)
        503121.98   3634925.90       49.73733  (20022207)                503171.98
3634925.90       49.48226  (21012023)
        503221.98   3634925.90       53.32090  (21012023)                503271.98
```

```
3634925.90       51.99241  (21012023)
        503321.98   3634925.90       51.91018  (20040823)                503371.98
3634925.90       57.64259  (20040823)
        503421.98   3634925.90       61.36182  (21121424)                503471.98
3634925.90       63.61282  (21121424)
        503521.98   3634925.90       66.82272  (19121706)                503571.98
3634925.90       67.75026  (19121706)
        503621.98   3634925.90       55.31074  (19020322)                503671.98
3634925.90       58.26921  (19020322)
        503721.98   3634925.90       63.78586  (20120224)                503771.98
3634925.90      125.66805  (20120224)
        503821.98   3634925.90      145.54990  (20090823)                503871.98
3634925.90      165.44358  (19101219)
        502721.98   3634975.90       35.57693  (21011719)                502771.98
3634975.90       36.48912  (21011719)
        502821.98   3634975.90       35.26224  (21011719)                502871.98
3634975.90       31.84963  (21011719)
        502921.98   3634975.90       35.56422  (20022207)                502971.98
3634975.90       40.46314  (20022207)
        503021.98   3634975.90       43.74759  (20022207)                503071.98
3634975.90       44.48733  (20022207)
        503121.98   3634975.90       45.64539  (21012023)                503171.98
3634975.90       47.84376  (21012023)
        503221.98   3634975.90       45.75957  (21012023)                503271.98
3634975.90       46.67880  (20040823)
        503321.98   3634975.90       51.57101  (20040823)                503371.98
3634975.90       54.07573  (21121424)
        503421.98   3634975.90       57.34742  (21121424)                503471.98
3634975.90       57.17376  (19121706)
        503521.98   3634975.90       61.97703  (19121706)                503571.98
3634975.90       53.95895  (19121706)
        503621.98   3634975.90       52.18103  (19020322)                503671.98
3634975.90       49.73749  (19020322)
        503721.98   3634975.90      122.67077  (20101023)                503771.98
3634975.90      162.84179  (19031924)
        503821.98   3634975.90      153.87341  (20090823)                503871.98
3634975.90      133.97079  (19101219)
        502721.98   3635025.90       32.16938  (21011719)                502771.98
3635025.90       29.60266  (21011719)
        502821.98   3635025.90       29.94909  (20022207)                502871.98
3635025.90       34.59674  (20022207)
        502921.98   3635025.90       38.22154  (20022207)                502971.98
3635025.90       40.11968  (20022207)
        503021.98   3635025.90       39.69806  (20022207)                503071.98
3635025.90       42.07099  (21012023)
        503121.98   3635025.90       43.19352  (21012023)                503171.98
3635025.90       40.65981  (21012023)
        503221.98   3635025.90       42.33145  (20040823)                503271.98
3635025.90       46.51166  (20040823)
        503321.98   3635025.90       47.97843  (21121424)                503371.98
```

3635025.90   51.83982 (21121424)
        503421.98   3635025.90   48.81249 (19121706)   503471.98
3635025.90   55.72995 (19121706)
        503521.98   3635025.90   52.67906 (19121706)   503571.98
3635025.90   44.94951 (19020322)
        503621.98   3635025.90   47.16085 (19020322)   503671.98
3635025.90   44.46573 (20120224)
        503721.98   3635025.90   149.23810 (20101023)   503771.98
3635025.90   154.49766 (19031924)
        503821.98   3635025.90   134.85903 (21081004)   504371.98
3635025.90   29.45276 (20011620)
        502721.98   3635075.90   25.37101 (20022207)   502771.98
3635075.90   29.60705 (20022207)
        502821.98   3635075.90   33.25810 (20022207)   502871.98
3635075.90   35.77125 (20022207)
        502921.98   3635075.90   36.60146 (20022207)   502971.98
3635075.90   35.86726 (21012023)
        503021.98   3635075.90   38.77969 (21012023)   503071.98
3635075.90   39.06701 (21012023)
        503121.98   3635075.90   36.29371 (21012023)   503171.98
3635075.90   38.60997 (20040823)
        503221.98   3635075.90   42.23200 (20040823)   503271.98
3635075.90   42.85755 (21121424)
        503321.98   3635075.90   46.97465 (21121424)   503371.98
3635075.90   45.00859 (21121424)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER   ***
                                 INCLUDING SOURCE(S):   L0000928   , L0000929 , L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937 ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

503421.98 3635075.90 49.56180 (19121706) 503471.98
3635075.90 49.97568 (19121706)
503521.98 3635075.90 41.77676 (19121706) 503571.98
3635075.90 42.75548 (19020322)
503621.98 3635075.90 41.34392 (19020322) 503671.98
3635075.90 46.77483 (20120224)
503721.98 3635075.90 115.77098 (20101023) 503771.98
3635075.90 142.17403 (19031924)
503821.98 3635075.90 107.77749 (21081004) 504371.98
3635075.90 22.69010 (20040223)
504421.98 3635075.90 29.44425 (20011620) 504471.98
3635075.90 37.19425 (20011620)
504521.98 3635075.90 41.12549 (20011620) 502721.98
3635125.90 28.91653 (20022207)
502771.98 3635125.90 31.67685 (20022207) 502821.98
3635125.90 33.25410 (20022207)
502871.98 3635125.90 33.27373 (20022207) 502921.98
3635125.90 33.75110 (21012023)
502971.98 3635125.90 35.76583 (21012023) 503021.98
3635125.90 35.45150 (21012023)
503071.98 3635125.90 32.56756 (21012023) 503121.98
3635125.90 35.40574 (20040823)
503171.98 3635125.90 38.57975 (20040823) 503221.98
3635125.90 38.56394 (20040823)
503271.98 3635125.90 42.69648 (21121424) 503321.98
3635125.90 41.96114 (21121424)
503371.98 3635125.90 43.76459 (19121706) 503421.98
3635125.90 46.46170 (19121706)
503471.98 3635125.90 41.84660 (19121706) 503521.98
3635125.90 37.53844 (19020322)
503571.98 3635125.90 39.16281 (19020322) 503621.98
3635125.90 35.30423 (19020322)
503671.98 3635125.90 91.65650 (20101023) 503721.98
3635125.90 118.08090 (21061224)
503771.98 3635125.90 120.42746 (20090823) 503821.98
3635125.90 97.55031 (21081004)
504371.98 3635125.90 17.11224 (20040223) 504421.98
3635125.90 22.44760 (20040223)
504471.98 3635125.90 29.03444 (20011620) 504521.98
3635125.90 35.16977 (20011620)
504571.98 3635125.90 37.80921 (20011620) 502721.98
3635175.90 29.95471 (20022207)
502771.98 3635175.90 30.77223 (20022207) 502821.98
3635175.90 30.17551 (20022207)
502871.98 3635175.90 31.69337 (21012023) 502921.98
3635175.90 33.01538 (21012023)
502971.98 3635175.90 32.27003 (21012023) 503021.98
3635175.90 29.36677 (21012023)
503071.98 3635175.90 32.62935 (20040823) 503121.98
3635175.90 35.43421 (20040823)

```
        503171.98   3635175.90       35.56283  (20040823)                503221.98
3635175.90       38.93160  (21121424)
        503271.98   3635175.90       39.07962  (21121424)                503321.98
3635175.90       38.50928  (19121706)
        503371.98   3635175.90       42.59274  (19121706)                503421.98
3635175.90       40.77168  (19121706)
        503471.98   3635175.90       33.14661  (19121706)                503521.98
3635175.90       35.89526  (19020322)
        503571.98   3635175.90       34.96216  (19020322)                503621.98
3635175.90       35.70566  (20120224)
        503671.98   3635175.90       99.03803  (20101023)                503721.98
3635175.90      108.08709  (19031924)
        503771.98   3635175.90       91.15966  (20090823)                503821.98
3635175.90       90.62482  (19051001)
        504371.98   3635175.90       20.00783  (21013118)                504421.98
3635175.90       17.54402  (20040223)
        504471.98   3635175.90       21.94892  (20040223)                504521.98
3635175.90       28.35071  (20011620)
        504571.98   3635175.90       33.13027  (20011620)                504621.98
3635175.90       34.83271  (20011620)
        502721.98   3635225.90       28.38753  (20022207)                502771.98
3635225.90       27.51760  (21012023)
        502821.98   3635225.90       29.75955  (21012023)                502871.98
3635225.90       30.50795  (21012023)
        502921.98   3635225.90       29.45648  (21012023)                502971.98
3635225.90       26.59867  (21012023)
        503021.98   3635225.90       30.20649  (20040823)                503071.98
3635225.90       32.70213  (20040823)
        503121.98   3635225.90       32.92532  (20040823)                503171.98
3635225.90       35.62408  (21121424)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 603
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503221.98	3635225.90	36.38655	(21121424)	503271.98	3635225.90	33.84667	(19121706)
503321.98	3635225.90	38.70880	(19121706)	503371.98	3635225.90	38.91059	(19121706)
503421.98	3635225.90	33.86782	(19121706)	503471.98	3635225.90	32.01557	(19020322)
503521.98	3635225.90	33.34211	(19020322)	503571.98	3635225.90	32.81920	(19020322)
503621.98	3635225.90	88.38168	(19071201)	503671.98	3635225.90	102.69981	(20101023)
504371.98	3635225.90	23.28163	(21013118)	504421.98	3635225.90	13.65408	(21013118)
504471.98	3635225.90	17.69236	(20040223)	504521.98	3635225.90	21.76876	(20011620)
504571.98	3635225.90	27.46750	(20011620)	504621.98	3635225.90	31.18073	(20011620)
502721.98	3635275.90	26.22925	(21012023)	502771.98	3635275.90	27.90691	(21012023)
502821.98	3635275.90	28.21984	(21012023)	502871.98	3635275.90	26.96560	(21012023)
502921.98	3635275.90	24.47445	(20040823)	502971.98	3635275.90	28.05891	(20040823)
503021.98	3635275.90	30.28117	(20040823)	503071.98	3635275.90	30.56218	(20040823)
503121.98	3635275.90	32.66043	(21121424)	503171.98	3635275.90	33.84890	(21121424)
503221.98	3635275.90	31.73953	(21121424)	503271.98	3635275.90	34.93149	(19121706)
503321.98	3635275.90	36.57456	(19121706)	503371.98	3635275.90	33.65879	(19121706)
503421.98	3635275.90	27.98131	(19020322)	503471.98	3635275.90	30.78503	(19020322)
503521.98	3635275.90	30.31629	(19020322)	503571.98	3635275.90	26.36558	(19020322)
503621.98	3635275.90	78.55452	(20101023)	504371.98	3635275.90	26.00718	(21013118)
504421.98	3635275.90	16.44173	(21013118)	504471.98	3635275.90	13.86841	(20040223)
504521.98	3635275.90	17.58143	(20040223)	504571.98	3635275.90	21.72535	(20011620)
504621.98	3635275.90	26.47845	(20011620)	504671.98	3635275.90	29.32459	(20011620)
502721.98	3635325.90	26.18365	(21012023)	502771.98	3635325.90	26.15456	(21012023)
502821.98	3635325.90	24.75532	(21012023)	502871.98			

3635325.90   22.97468 (20040823)
        502921.98   3635325.90   26.16020 (20040823)   502971.98
3635325.90   28.17682 (20040823)
        503021.98   3635325.90   28.49525 (20040823)   503071.98
3635325.90   30.05344 (21121424)
        503121.98   3635325.90   31.53022 (21121424)   503171.98
3635325.90   30.16629 (21121424)
        503221.98   3635325.90   31.39119 (19121706)   503271.98
3635325.90   33.99641 (19121706)
        503321.98   3635325.90   32.78567 (19121706)   503371.98
3635325.90   27.82794 (19121706)
        503421.98   3635325.90   27.71436 (19020322)   503471.98
3635325.90   28.85161 (19020322)
        503521.98   3635325.90   26.98194 (19020322)   503571.98
3635325.90   27.74159 (20120224)
        503621.98   3635325.90   68.29900 (20101023)   504371.98
3635325.90   28.08756 (21013118)
        504421.98   3635325.90   19.08655 (21013118)   504471.98
3635325.90   11.52861 (19031219)
        504521.98   3635325.90   14.16799 (20040223)   504571.98
3635325.90   17.30704 (20040223)
        504621.98   3635325.90   21.49124 (20011620)   504671.98
3635325.90   25.41406 (20011620)
        504721.98   3635325.90   27.56186 (20011620)   502721.98
3635375.90   24.27238 (21012023)
        502771.98   3635375.90   33.79275 (20122721)   502821.98
3635375.90   37.12555 (21110406)
        502871.98   3635375.90   38.89693 (20070801)   502921.98
3635375.90   37.46226 (20040823)
        502971.98   3635375.90   26.65010 (20040823)   503021.98
3635375.90   41.75965 (21121424)
        503071.98   3635375.90   47.25751 (21121424)   503121.98
3635375.90   28.62990 (21121424)
        503171.98   3635375.90   28.10435 (19121706)   503221.98
3635375.90   31.34677 (19121706)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                 INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635375.90	31.44246	(19121706)	503321.98	3635375.90	28.10024	(19121706)
503371.98	3635375.90	24.53875	(19020322)	503421.98	3635375.90	26.75600	(19020322)
503471.98	3635375.90	26.49409	(19020322)	503521.98	3635375.90	23.64026	(19020322)
503571.98	3635375.90	28.99900	(20120224)	503621.98	3635375.90	36.29844	(20120224)
503671.98	3635375.90	73.13353	(19031924)	503721.98	3635375.90	86.92523	(20090823)
504371.98	3635375.90	29.45240	(21013118)	504421.98	3635375.90	21.40782	(21013118)
504471.98	3635375.90	13.75473	(21013118)	504521.98	3635375.90	11.16577	(20040223)
504571.98	3635375.90	14.28100	(20040223)	504621.98	3635375.90	16.88791	(20040223)
504671.98	3635375.90	21.10715	(20011620)	504721.98	3635375.90	24.33748	(20011620)
502721.98	3635425.90	28.79226	(19022505)	502771.98	3635425.90	36.50097	(21110406)
502821.98	3635425.90	39.42886	(20070801)	502871.98	3635425.90	37.33861	(20070801)
502921.98	3635425.90	44.41797	(20070802)	502971.98	3635425.90	45.08122	(20070802)
503021.98	3635425.90	45.69126	(21121424)	503071.98	3635425.90	50.12298	(19091321)
503121.98	3635425.90	25.14828	(19121706)	503171.98	3635425.90	28.70354	(19121706)
503221.98	3635425.90	29.77811	(19121706)	503271.98	3635425.90	27.78905	(19121706)
503321.98	3635425.90	23.16371	(19121706)	503371.98	3635425.90	24.28552	(19020322)
503421.98	3635425.90	25.23946	(19020322)	503471.98	3635425.90	23.86657	(19020322)
503521.98	3635425.90	21.50152	(20120224)	503571.98	3635425.90	29.66521	(20120224)
503621.98	3635425.90	35.14165	(20120224)	503671.98	3635425.90	70.96153	(19031924)
503721.98	3635425.90	77.25880	(20090823)	503771.98	3635425.90	82.74978	(21081004)

```
        503821.98   3635425.90       81.16909  (19101219)                504371.98
3635425.90       30.09430  (21013118)
        504421.98   3635425.90       23.27645  (21013118)                504471.98
3635425.90       15.91768  (21013118)
        504521.98   3635425.90       10.12095  (19031219)                504571.98
3635425.90       11.51970  (20040223)
        504621.98   3635425.90       14.23079  (20040223)                504671.98
3635425.90       16.88126  (20011620)
        504721.98   3635425.90       20.62408  (20011620)                502721.98
3635475.90       32.59140  (20070801)
        502771.98   3635475.90       37.03964  (20070801)                502821.98
3635475.90       35.07939  (20070801)
        502871.98   3635475.90       41.93741  (20070802)                502921.98
3635475.90       42.65575  (20070802)
        502971.98   3635475.90       44.30170  (20111121)                503021.98
3635475.90       48.64358  (19091321)
        503071.98   3635475.90       44.34267  (19071423)                503121.98
3635475.90       26.19771  (19121706)
        503171.98   3635475.90       27.95653  (19121706)                503221.98
3635475.90       27.10101  (19121706)
        503271.98   3635475.90       23.67579  (19121706)                503321.98
3635475.90       21.72135  (19020322)
        503371.98   3635475.90       23.51740  (19020322)                503421.98
3635475.90       23.38578  (19020322)
        503471.98   3635475.90       21.21999  (19020322)                503521.98
3635475.90       22.87320  (20120224)
        503571.98   3635475.90       32.68036  (20120224)                503621.98
3635475.90       37.21548  (20120224)
        503671.98   3635475.90       58.60510  (19031924)                503721.98
3635475.90       57.19559  (20090823)
        503771.98   3635475.90       76.00511  (21081004)                503821.98
3635475.90       75.29421  (19101219)
        503871.98   3635475.90       67.36756  (19101219)                503921.98
3635475.90       71.98040  (20071102)
        504371.98   3635475.90       30.10932  (21013118)                504421.98
3635475.90       24.66377  (21013118)
        504471.98   3635475.90       17.88593  (21013118)                504521.98
3635475.90       11.65664  (21013118)
        504571.98   3635475.90        9.24729  (19031219)                504621.98
3635475.90       11.72731  (20040223)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 605
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
```

INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504671.98	3635475.90	14.07124	(20040223)	504721.98	3635475.90	29.73799	(21121422)
502221.98	3632975.90	6.33802	(19010119)	502271.98	3632975.90	6.31707	(19010119)
502321.98	3632975.90	6.20861	(19010119)	502371.98	3632975.90	6.01133	(19010119)
502421.98	3632975.90	5.72700	(19010119)	502471.98	3632975.90	5.36354	(19010119)
502521.98	3632975.90	4.93000	(19010119)	502571.98	3632975.90	6.21938	(21030103)
502621.98	3632975.90	8.01450	(21030103)	502671.98	3632975.90	10.00955	(21030103)
502721.98	3632975.90	12.06260	(21030103)	502771.98	3632975.90	13.96783	(21030103)
502821.98	3632975.90	32.03337	(20122620)	502871.98	3632975.90	38.01540	(21030103)
502921.98	3632975.90	37.48830	(21030103)	502971.98	3632975.90	31.12217	(20092222)
503021.98	3632975.90	32.81768	(21041501)	503071.98	3632975.90	39.03134	(20121603)
503121.98	3632975.90	38.06287	(20121603)	503171.98	3632975.90	47.39462	(20092124)
503221.98	3632975.90	54.91349	(20092124)	503271.98	3632975.90	48.72653	(20092124)
503321.98	3632975.90	40.24307	(20102407)	503371.98	3632975.90	44.11683	(20111701)
503421.98	3632975.90	51.53915	(20111701)	503471.98	3632975.90	45.77173	(20111701)
503621.98	3632975.90	51.24388	(19110606)	503671.98	3632975.90	50.52379	(19082022)
503721.98	3632975.90	46.65093	(19101521)	503771.98	3632975.90	38.42808	(19091221)
503821.98	3632975.90	46.06760	(20050102)	503871.98	3632975.90	47.76568	(21020203)
503921.98	3632975.90	43.89452	(20032924)	503971.98			

```
3632975.90       46.67473  (20110207)
        504021.98   3632975.90       39.69428  (20110207)                504071.98
3632975.90       39.25662  (20082519)
        504121.98   3632975.90       46.08803  (19032124)                504171.98
3632975.90       45.32473  (20022622)
        504221.98   3632975.90       46.40773  (21011302)                504271.98
3632975.90       40.79215  (19102905)
        504321.98   3632975.90       45.10276  (21022205)                504371.98
3632975.90       46.40357  (20022403)
        504421.98   3632975.90       44.62709  (21011620)                504471.98
3632975.90       42.53345  (21013021)
        504521.98   3632975.90       40.45359  (20042404)                504571.98
3632975.90       41.88019  (21120723)
        504621.98   3632975.90       40.05927  (20101423)                504671.98
3632975.90       38.28821  (20112022)
        504721.98   3632975.90       39.42647  (21011323)                504771.98
3632975.90       38.04616  (21010102)
        504821.98   3632975.90       37.47461  (20011902)                504871.98
3632975.90       36.34525  (19022705)
        504921.98   3632975.90       36.17825  (21021820)                504971.98
3632975.90       34.47848  (21011520)
        505021.98   3632975.90       33.58275  (21011520)                505071.98
3632975.90       33.29660  (21010522)
        505121.98   3632975.90       32.35803  (19122301)                505171.98
3632975.90       31.32445  (20122923)
        505221.98   3632975.90       29.62599  (20100121)                502221.98
3633025.90        6.72106  (21111004)
        502271.98   3633025.90        6.67040  (19010119)                502321.98
3633025.90        6.67286  (19010119)
        502371.98   3633025.90        6.58573  (19010119)                502421.98
3633025.90        6.39779  (19010119)
        502471.98   3633025.90        6.10556  (19010119)                502521.98
3633025.90        5.72711  (19010119)
        502571.98   3633025.90        5.27247  (19010119)                502621.98
3633025.90        6.66885  (21030103)
        502671.98   3633025.90        8.62383  (21030103)                502721.98
3633025.90       10.78979  (21030103)
        502771.98   3633025.90       12.99739  (21030103)                502821.98
3633025.90       37.16888  (20122620)
        502871.98   3633025.90       39.64635  (20122620)                502921.98
3633025.90       40.54441  (21030103)
        502971.98   3633025.90       32.46307  (21030103)                503021.98
3633025.90       32.88106  (20092222)
        503071.98   3633025.90       44.19427  (20121603)                503121.98
3633025.90       43.17142  (20121603)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503171.98	3633025.90	44.40120	(20092124)	503221.98	3633025.90	56.20699	(20092124)
503271.98	3633025.90	56.63507	(20092124)	503321.98	3633025.90	44.84330	(20061222)
503371.98	3633025.90	45.06006	(20102407)	503421.98	3633025.90	54.01204	(20111701)
503471.98	3633025.90	51.93680	(20111701)	503621.98	3633025.90	50.47464	(21020924)
503671.98	3633025.90	52.80341	(19110606)	503721.98	3633025.90	50.98255	(19101521)
503771.98	3633025.90	37.08132	(19091221)	503821.98	3633025.90	49.03561	(20050102)
503871.98	3633025.90	50.53726	(21020203)	503921.98	3633025.90	45.99772	(20032924)
503971.98	3633025.90	49.15965	(20110207)	504021.98	3633025.90	40.50354	(20110207)
504071.98	3633025.90	42.72820	(20082519)	504121.98	3633025.90	48.49236	(19032124)
504171.98	3633025.90	47.81164	(21013120)	504221.98	3633025.90	48.34309	(21011302)
504271.98	3633025.90	45.23474	(19102905)	504321.98	3633025.90	46.62593	(21022205)
504371.98	3633025.90	47.95297	(20022403)	504421.98	3633025.90	46.41642	(21011620)
504471.98	3633025.90	44.76422	(21013021)	504521.98	3633025.90	43.37954	(20042404)
504571.98	3633025.90	41.37288	(20112701)	504621.98	3633025.90	40.89021	(20112022)
504671.98	3633025.90	40.55760	(21011323)	504721.98	3633025.90	39.97536	(21120804)

504771.98 3633025.90 39.21305 (20011902) 504821.98 3633025.90 37.49880 (21022803)
504871.98 3633025.90 37.75499 (21021820) 504921.98 3633025.90 36.70000 (20121007)
504971.98 3633025.90 36.26713 (21011520) 505021.98 3633025.90 34.87063 (21010522)
505071.98 3633025.90 34.09807 (19122301) 505121.98 3633025.90 33.07688 (20122923)
505171.98 3633025.90 30.94151 (20100121) 505221.98 3633025.90 32.08557 (21022502)
502221.98 3633075.90 7.83545 (21111004) 502271.98 3633075.90 7.34910 (21111004)
502321.98 3633075.90 7.02442 (19010119) 502371.98 3633075.90 7.06447 (19010119)
502421.98 3633075.90 6.99817 (19010119) 502471.98 3633075.90 6.81184 (19010119)
502521.98 3633075.90 6.52253 (19010119) 502571.98 3633075.90 6.13264 (19010119)
502621.98 3633075.90 5.65073 (19010119) 502671.98 3633075.90 7.16410 (21030103)
502721.98 3633075.90 9.30093 (21030103) 502771.98 3633075.90 11.65933 (21030103)
502821.98 3633075.90 31.24724 (20122620) 502871.98 3633075.90 40.66953 (20122620)
502921.98 3633075.90 40.58052 (20122620) 502971.98 3633075.90 44.92285 (21030103)
503021.98 3633075.90 39.87671 (21030103) 503071.98 3633075.90 41.88990 (20121603)
503121.98 3633075.90 44.80595 (20121603) 503171.98 3633075.90 41.25073 (20121603)
503221.98 3633075.90 50.30471 (20092124) 503271.98 3633075.90 60.97411 (20092124)
503321.98 3633075.90 54.56988 (20092124) 503371.98 3633075.90 45.57270 (20102407)
503421.98 3633075.90 53.39381 (20111701) 503471.98 3633075.90 56.98397 (20111701)
503621.98 3633075.90 52.88433 (21020924) 503671.98 3633075.90 53.60647 (19110606)
503721.98 3633075.90 51.79045 (19101521) 503771.98 3633075.90 36.36194 (19091221)
503821.98 3633075.90 51.78033 (20050102) 503871.98 3633075.90 53.32170 (21020203)
503921.98 3633075.90 48.27645 (20032924) 503971.98 3633075.90 51.86151 (20110207)
504021.98 3633075.90 41.25890 (20110207) 504071.98 3633075.90 46.30874 (20082519)
504121.98 3633075.90 51.41337 (20022622) 504171.98 3633075.90 51.94186 (21013120)
504221.98 3633075.90 48.95701 (21011302) 504271.98 3633075.90 48.55396 (19102905)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3633075.90	49.56697	(19121107)	504371.98	3633075.90	47.12637	(21011620)
504421.98	3633075.90	47.12710	(20052501)	504471.98	3633075.90	43.60362	(21013021)
504521.98	3633075.90	46.25779	(21120723)	504571.98	3633075.90	44.13430	(20101423)
504621.98	3633075.90	42.31683	(21022020)	504671.98	3633075.90	42.92970	(21011323)
504721.98	3633075.90	42.13516	(21010102)	504771.98	3633075.90	39.91895	(20011902)
504821.98	3633075.90	40.14120	(19022705)	504871.98	3633075.90	38.49714	(20121007)
504921.98	3633075.90	38.78205	(21011520)	504971.98	3633075.90	36.33162	(21010522)
505021.98	3633075.90	35.87646	(19122301)	505071.98	3633075.90	34.93309	(20122923)
505121.98	3633075.90	32.33948	(20100121)	505171.98	3633075.90	33.66650	(21022502)
505221.98	3633075.90	32.30516	(21022502)	502221.98	3633125.90	8.87842	(21111004)
502271.98	3633125.90	8.51632	(21111004)	502321.98	3633125.90	8.02272	(21111004)
502371.98	3633125.90	7.41465	(21111004)	502421.98	3633125.90	7.48134	(19010119)
502471.98	3633125.90	7.43867	(19010119)	502521.98			

3633125.90 7.27482 (19010119)
502571.98 3633125.90 6.98597 (19010119) 502621.98
3633125.90 6.57824 (19010119)
502671.98 3633125.90 6.06782 (19010119) 502721.98
3633125.90 7.71457 (21030103)
502771.98 3633125.90 10.05600 (21030103) 502821.98
3633125.90 12.62790 (21030103)
502871.98 3633125.90 35.40741 (20122620) 502921.98
3633125.90 40.84116 (20122620)
502971.98 3633125.90 41.23614 (20122620) 503021.98
3633125.90 42.50674 (21030103)
503071.98 3633125.90 47.98125 (21031822) 503121.98
3633125.90 48.20868 (21031822)
503171.98 3633125.90 43.62519 (20121603) 503221.98
3633125.90 43.35029 (20092124)
503271.98 3633125.90 59.58343 (20092124) 503321.98
3633125.90 62.32527 (20092124)
503371.98 3633125.90 48.19856 (20092124) 503421.98
3633125.90 53.77973 (20102407)
503471.98 3633125.90 60.29312 (20111701) 503621.98
3633125.90 54.25961 (21020924)
503671.98 3633125.90 52.86443 (19110606) 503721.98
3633125.90 52.18725 (19101521)
503771.98 3633125.90 39.12063 (19101521) 503821.98
3633125.90 54.35542 (20050102)
503871.98 3633125.90 56.06642 (21020203) 503921.98
3633125.90 50.75306 (20032924)
503971.98 3633125.90 54.78459 (20110207) 504021.98
3633125.90 41.93110 (20110207)
504071.98 3633125.90 49.91213 (20082519) 504121.98
3633125.90 55.28748 (20022622)
504171.98 3633125.90 55.25040 (21013120) 504221.98
3633125.90 47.98891 (21011302)
504271.98 3633125.90 51.86108 (21022205) 504321.98
3633125.90 53.79114 (20022403)
504371.98 3633125.90 52.10619 (21011620) 504421.98
3633125.90 50.09804 (21013021)
504471.98 3633125.90 48.15828 (20042404) 504521.98
3633125.90 45.76715 (20112701)
504571.98 3633125.90 45.32588 (20112022) 504621.98
3633125.90 45.52852 (21011323)
504671.98 3633125.90 43.52755 (21010102) 504721.98
3633125.90 43.58301 (20011902)
504771.98 3633125.90 42.40157 (19022705) 504821.98
3633125.90 41.57363 (21021820)
504871.98 3633125.90 40.95260 (21011520) 504921.98
3633125.90 38.46793 (19121906)
504971.98 3633125.90 37.65884 (19122301) 505021.98
3633125.90 36.91538 (20122923)
505071.98 3633125.90 33.88834 (19081501) 505121.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                   INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502321.98   3633175.90   9.23371 (21111004)   502371.98
3633175.90   8.76715 (21111004)
        502421.98   3633175.90   8.15680 (21111004)   502471.98
3633175.90   7.93347 (19010119)
        502521.98   3633175.90   7.93056 (19010119)   502571.98
3633175.90   7.78918 (19010119)
        502621.98   3633175.90   7.50337 (19010119)   502671.98
3633175.90   7.07709 (19010119)
        502721.98   3633175.90   6.52485 (19010119)   502771.98
3633175.90   8.32024 (21030103)
        502821.98   3633175.90   25.64251 (20122620)   502871.98
3633175.90   13.71167 (21030103)
        502921.98   3633175.90   36.77955 (20122620)   502971.98
3633175.90   38.00690 (20122620)
        503021.98   3633175.90   37.33940 (21030103)   503071.98
3633175.90   37.17391 (21031822)
        503121.98   3633175.90   45.59309 (21031822)   503171.98
3633175.90   42.89063 (20121603)
        503221.98   3633175.90   44.64268 (20121603)   503271.98
3633175.90   56.70669 (20092124)

503321.98 3633175.90 67.50390 (20092124) 503371.98 3633175.90 59.17440 (20092124)
503421.98 3633175.90 54.13406 (20102407) 503471.98 3633175.90 61.28910 (20111701)
503621.98 3633175.90 53.12640 (21020924) 503671.98 3633175.90 53.50235 (21020924)
503721.98 3633175.90 52.26877 (19101521) 503771.98 3633175.90 45.24833 (19101521)
503821.98 3633175.90 56.65457 (20050102) 503871.98 3633175.90 58.92912 (21020203)
503921.98 3633175.90 53.44895 (20032924) 503971.98 3633175.90 57.95715 (20110207)
504021.98 3633175.90 42.51012 (20110207) 504071.98 3633175.90 53.44457 (20082519)
504121.98 3633175.90 58.58973 (20022622) 504171.98 3633175.90 57.32975 (21013120)
504221.98 3633175.90 50.49580 (19102905) 504271.98 3633175.90 55.25087 (21022205)
504321.98 3633175.90 56.08881 (20022403) 504371.98 3633175.90 53.32178 (21011620)
504421.98 3633175.90 50.68753 (21013021) 504471.98 3633175.90 51.43820 (21120723)
504521.98 3633175.90 49.03818 (20101423) 504571.98 3633175.90 47.07802 (21022020)
504621.98 3633175.90 46.49927 (21011323) 504671.98 3633175.90 45.86142 (21010102)
504721.98 3633175.90 43.37503 (21022803) 504771.98 3633175.90 44.34805 (21021820)
504821.98 3633175.90 42.62461 (21011520) 504871.98 3633175.90 40.94325 (19121906)
504921.98 3633175.90 39.89972 (21010522) 504971.98 3633175.90 38.99770 (20122923)
505021.98 3633175.90 35.89864 (19081501) 505071.98 3633175.90 37.26938 (21022502)
505121.98 3633175.90 35.61949 (21022502) 505171.98 3633175.90 33.97303 (20100521)
505221.98 3633175.90 34.96473 (20021702) 502221.98 3633225.90 10.33878 (21111004)
502271.98 3633225.90 10.40102 (21111004) 502321.98 3633225.90 10.29562 (21111004)
502371.98 3633225.90 10.03290 (21111004) 502421.98 3633225.90 9.58715 (21111004)
502471.98 3633225.90 8.96860 (21111004) 502521.98 3633225.90 8.41882 (19010119)
502571.98 3633225.90 8.46002 (19010119) 502621.98 3633225.90 8.34745 (19010119)
502671.98 3633225.90 8.06648 (19010119) 502721.98 3633225.90 7.62031 (19010119)
502771.98 3633225.90 7.04045 (19010119) 502821.98 3633225.90 9.00538 (21030103)

```
        502871.98   3633225.90       13.54766  (21030103)                502921.98
3633225.90       14.93719  (21030103)
        502971.98   3633225.90       17.92982  (21030103)                503021.98
3633225.90       36.99818  (20122620)
        503071.98   3633225.90       35.51378  (21030103)                503121.98
3633225.90       34.26442  (21030103)
        503171.98   3633225.90       41.01775  (20121603)                503221.98
3633225.90       47.30482  (20121603)
        503271.98   3633225.90       47.87910  (20092124)                503321.98
3633225.90       68.18289  (20092124)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 609
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        503371.98   3633225.90       65.24387  (20092124)                503421.98
3633225.90       58.86045  (20090205)
        503471.98   3633225.90       60.25779  (20102407)                503621.98
3633225.90       53.04468  (20090124)
        503671.98   3633225.90       56.07427  (21020924)                503721.98
3633225.90       53.90316  (19110606)
        503771.98   3633225.90       51.62882  (19101521)                503821.98
3633225.90       58.25809  (20050102)
        503871.98   3633225.90       61.91252  (21020203)                503921.98
3633225.90       56.38705  (20032924)
        503971.98   3633225.90       61.40656  (20110207)                504021.98
3633225.90       44.13957  (20080919)
        504071.98   3633225.90       56.79455  (20082519)                504121.98
3633225.90       61.02808  (20022622)
        504171.98   3633225.90       60.35964  (21011302)                504221.98
```

```
3633225.90       56.53868  (19102905)
        504271.98   3633225.90       58.34696  (19121107)                504321.98
3633225.90       56.26315  (21011620)
        504371.98   3633225.90       55.48450  (21013021)                504421.98
3633225.90       53.59893  (20042404)
        504471.98   3633225.90       51.59613  (21120723)                504521.98
3633225.90       50.64865  (20112022)
        504571.98   3633225.90       51.14188  (21011323)                504621.98
3633225.90       49.52716  (21010102)
        504671.98   3633225.90       47.07456  (20011902)                504721.98
3633225.90       46.67795  (19022705)
        504771.98   3633225.90       45.26581  (20121007)                504821.98
3633225.90       43.70597  (21011520)
        504871.98   3633225.90       42.78938  (21010522)                504921.98
3633225.90       41.16522  (20122923)
        504971.98   3633225.90       38.09733  (19081501)                505021.98
3633225.90       39.36906  (21022502)
        505071.98   3633225.90       37.52994  (21022502)                505121.98
3633225.90       35.84074  (20100521)
        505171.98   3633225.90       36.73187  (20021702)                505221.98
3633225.90       35.44246  (20020804)
        502221.98   3633275.90       10.59487  (21111004)                502271.98
3633275.90       10.91373  (21111004)
        502321.98   3633275.90       11.08671  (21111004)                502371.98
3633275.90       11.08056  (21111004)
        502421.98   3633275.90       10.87623  (21111004)                502471.98
3633275.90       10.47522  (21111004)
        502521.98   3633275.90        9.88204  (21111004)                502571.98
3633275.90        9.11175  (21111004)
        502621.98   3633275.90        9.04007  (19010119)                502671.98
3633275.90        8.95797  (19010119)
        502721.98   3633275.90        8.69077  (19010119)                502771.98
3633275.90        8.23450  (19010119)
        502821.98   3633275.90       15.51833  (20122620)                502871.98
3633275.90       12.96352  (20122620)
        502921.98   3633275.90       12.93320  (21030103)                502971.98
3633275.90       16.33578  (21030103)
        503021.98   3633275.90       24.35140  (21030103)                503071.98
3633275.90       22.07319  (21030103)
        503121.98   3633275.90       23.30779  (21030103)                503171.98
3633275.90       29.00721  (20121603)
        503221.98   3633275.90       45.88348  (20121603)                503271.98
3633275.90       53.21587  (20121603)
        503321.98   3633275.90       62.50570  (20092124)                503371.98
3633275.90       71.25259  (20092124)
        503421.98   3633275.90       68.13848  (20090205)                503471.98
3633275.90       50.26810  (20102407)
        503621.98   3633275.90       50.33260  (21110603)                503671.98
3633275.90       56.41825  (21020924)
        503721.98   3633275.90       60.03158  (19110606)                503771.98
```

3633275.90 58.45797 (19101521)
  503821.98 3633275.90 59.40979 (20050102) 503871.98
3633275.90 64.98339 (21020203)
  503921.98 3633275.90 59.61403 (20032924) 503971.98
3633275.90 65.19683 (20110207)
  504021.98 3633275.90 47.05999 (20080919) 504071.98
3633275.90 61.76279 (19032124)
  504121.98 3633275.90 62.25546 (20022622) 504171.98
3633275.90 62.72087 (21011302)
  504221.98 3633275.90 60.77006 (19102905) 504271.98
3633275.90 63.43570 (20022403)
  504321.98 3633275.90 61.73939 (21011620) 504371.98
3633275.90 58.63755 (21013021)
  504421.98 3633275.90 57.57497 (21120723) 504471.98
3633275.90 55.02078 (20101423)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504521.98	3633275.90	52.54993	(21022020)	504571.98	3633275.90	51.69293	(20031721)
504621.98	3633275.90	51.66235	(20011902)	504671.98	3633275.90	50.29642	(19022705)
504721.98	3633275.90	47.92130	(20121007)	504771.98	3633275.90	47.67710	(21011520)
504821.98	3633275.90	45.67700	(21010522)	504871.98	3633275.90	43.37545	(20122923)
504921.98	3633275.90	40.30926	(19081501)	504971.98	3633275.90	41.68193	(21022502)

505021.98 3633275.90 39.79377 (19120104) 505071.98 3633275.90 37.88435 (20100521)
505121.98 3633275.90 38.59315 (20021702) 505171.98 3633275.90 36.94696 (20020804)
505221.98 3633275.90 35.74566 (21012402) 502221.98 3633325.90 10.46867 (21111004)
502271.98 3633325.90 11.04258 (21111004) 502321.98 3633325.90 11.49361 (21111004)
502371.98 3633325.90 11.78467 (21111004) 502421.98 3633325.90 11.88771 (21111004)
502471.98 3633325.90 11.77476 (21111004) 502521.98 3633325.90 11.44703 (21111004)
502571.98 3633325.90 10.88976 (21111004) 502621.98 3633325.90 10.11792 (21111004)
502671.98 3633325.90 9.66625 (19010119) 502721.98 3633325.90 9.63137 (19010119)
502771.98 3633325.90 9.37405 (19010119) 502821.98 3633325.90 8.91425 (19010119)
502871.98 3633325.90 8.27889 (19010119) 502921.98 3633325.90 10.66203 (21030103)
502971.98 3633325.90 14.16783 (21030103) 503021.98 3633325.90 17.92145 (21030103)
503071.98 3633325.90 21.41784 (21030103) 503121.98 3633325.90 23.98857 (21030103)
503171.98 3633325.90 26.37295 (20121603) 503221.98 3633325.90 32.69459 (20121603)
503271.98 3633325.90 59.30987 (21031822) 503321.98 3633325.90 56.57549 (20121603)
503371.98 3633325.90 68.26615 (20092124) 503421.98 3633325.90 76.12443 (20090205)
503471.98 3633325.90 50.66173 (20090205) 503621.98 3633325.90 47.59337 (21110603)
503671.98 3633325.90 54.61062 (21020924) 503721.98 3633325.90 65.23649 (19110606)
503771.98 3633325.90 64.92622 (19101521) 503821.98 3633325.90 60.04603 (20050102)
503871.98 3633325.90 68.12501 (21020203) 503921.98 3633325.90 63.17212 (20032924)
503971.98 3633325.90 68.55702 (20110207) 504021.98 3633325.90 50.10209 (20080919)
504071.98 3633325.90 67.09649 (19032124) 504121.98 3633325.90 68.24393 (21013120)
504171.98 3633325.90 62.68889 (21011302) 504221.98 3633325.90 66.09734 (21022205)
504271.98 3633325.90 66.91970 (20022403) 504321.98 3633325.90 62.42558 (20052501)
504371.98 3633325.90 59.23924 (20042404) 504421.98 3633325.90 58.83640 (21120723)
504471.98 3633325.90 57.04484 (20112022) 504521.98 3633325.90 57.33625 (21011323)

```
        504571.98   3633325.90       55.33807  (21010102)                504621.98
3633325.90       52.21070  (19022705)
        504671.98   3633325.90       52.55385  (21021820)                504721.98
3633325.90       51.39696  (21011520)
        504771.98   3633325.90       48.46987  (21010522)                504821.98
3633325.90       46.68841  (19122301)
        504871.98   3633325.90       43.08738  (20122923)                504921.98
3633325.90       44.08969  (21022502)
        504971.98   3633325.90       42.22895  (19120104)                505021.98
3633325.90       40.27464  (20021702)
        505071.98   3633325.90       40.50408  (20021702)                505121.98
3633325.90       38.39692  (20020804)
        505171.98   3633325.90       38.12002  (21012402)                505221.98
3633325.90       36.33210  (20121620)
        502221.98   3633375.90        9.95618  (21111004)                502271.98
3633375.90       10.74311  (21111004)
        502321.98   3633375.90       11.45134  (21111004)                502371.98
3633375.90       12.04309  (21111004)
        502421.98   3633375.90       12.48092  (21111004)                502471.98
3633375.90       12.72299  (21111004)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 611
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        502521.98   3633375.90       12.74076  (21111004)                502571.98
3633375.90       12.50602  (21111004)
        502621.98   3633375.90       12.00716  (21111004)                502671.98
3633375.90       11.24688  (21111004)
        502721.98   3633375.90       10.34961  (19010119)                502771.98
```

3633375.90 10.37665 (19010119)
502821.98 3633375.90 10.16617 (19010119) 502871.98
3633375.90 9.71347 (19010119)
502921.98 3633375.90 9.02626 (19010119) 502971.98
3633375.90 11.66096 (21030103)
503021.98 3633375.90 15.58111 (21030103) 503071.98
3633375.90 19.74628 (21030103)
503121.98 3633375.90 23.51803 (21030103) 503171.98
3633375.90 26.09842 (21030103)
503221.98 3633375.90 30.29453 (20121603) 503271.98
3633375.90 36.72160 (20121603)
503321.98 3633375.90 56.74053 (20121603) 503371.98
3633375.90 62.38749 (20092124)
503421.98 3633375.90 68.53811 (20090205) 503471.98
3633375.90 69.22588 (20090205)
503621.98 3633375.90 47.33343 (21110603) 503671.98
3633375.90 55.11328 (21020924)
503721.98 3633375.90 66.89378 (19110606) 503771.98
3633375.90 69.92716 (19101521)
503821.98 3633375.90 59.77982 (20050102) 503871.98
3633375.90 71.32727 (21020203)
503921.98 3633375.90 67.09533 (20032924) 503971.98
3633375.90 71.70887 (20110207)
504021.98 3633375.90 55.83571 (20080820) 504071.98
3633375.90 71.42317 (19032124)
504121.98 3633375.90 73.43149 (21013120) 504171.98
3633375.90 64.62397 (19102905)
504221.98 3633375.90 69.82313 (19121107) 504271.98
3633375.90 68.49460 (21011620)
504321.98 3633375.90 66.70235 (21013021) 504371.98
3633375.90 63.85054 (21120723)
504421.98 3633375.90 62.03364 (20101423) 504471.98
3633375.90 60.01427 (21011323)
504521.98 3633375.90 58.96701 (21010102) 504571.98
3633375.90 56.70393 (20011902)
504621.98 3633375.90 56.10206 (21021820) 504671.98
3633375.90 54.50554 (21011520)
504721.98 3633375.90 51.08998 (21010522) 504771.98
3633375.90 50.24005 (19122301)
504821.98 3633375.90 46.63869 (20122923) 504871.98
3633375.90 46.74833 (21022502)
504921.98 3633375.90 44.60688 (19120104) 504971.98
3633375.90 43.04825 (20021702)
505021.98 3633375.90 42.68713 (20020804) 505071.98
3633375.90 40.75619 (21010922)
505121.98 3633375.90 40.35313 (21012402) 505171.98
3633375.90 38.18526 (20121620)
505221.98 3633375.90 37.71195 (20022406) 502221.98
3633425.90 9.07799 (21111004)
502271.98 3633425.90 10.01457 (21111004) 502321.98

3633425.90   10.92697 (21111004)
        502371.98   3633425.90   11.78588 (21111004)   502421.98
3633425.90   12.54923 (21111004)
        502471.98   3633425.90   13.18170 (21111004)   502521.98
3633425.90   13.59228 (21111004)
        502571.98   3633425.90   13.76044 (21111004)   502621.98
3633425.90   13.65263 (21111004)
        502671.98   3633425.90   13.23784 (21111004)   502721.98
3633425.90   12.51793 (21111004)
        502771.98   3633425.90   11.50980 (21111004)   502821.98
3633425.90   11.21026 (19010119)
        502871.98   3633425.90   11.05006 (19010119)   502921.98
3633425.90   10.60126 (19010119)
        502971.98   3633425.90   9.87891 (19010119)   503021.98
3633425.90   12.80680 (21030103)
        503071.98   3633425.90   17.21290 (21030103)   503121.98
3633425.90   21.84527 (21030103)
        503171.98   3633425.90   25.90135 (21030103)   503221.98
3633425.90   28.42587 (21030103)
        503271.98   3633425.90   34.80470 (20121603)   503321.98
3633425.90   57.95990 (21031822)
        503371.98   3633425.90   66.89473 (20121603)   503421.98
3633425.90   62.93178 (20090205)
        503471.98   3633425.90   81.62771 (20090205)   503621.98
3633425.90   62.76910 (20111701)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER   ***
                                 INCLUDING SOURCE(S):   L0000928   , L0000929 , L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937 ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

503671.98 3633425.90 58.19672 (21020924) 503721.98 3633425.90 65.35629 (19110606)
503771.98 3633425.90 73.32190 (19101521) 503821.98 3633425.90 58.78437 (20050102)
503871.98 3633425.90 75.35758 (20050102) 503921.98 3633425.90 69.71201 (20032924)
503971.98 3633425.90 75.42720 (20110207) 504021.98 3633425.90 62.15209 (20080820)
504071.98 3633425.90 77.68458 (20022622) 504121.98 3633425.90 76.39500 (21013120)
504171.98 3633425.90 72.45917 (19102905) 504221.98 3633425.90 75.78951 (20022403)
504271.98 3633425.90 72.73971 (21011620) 504321.98 3633425.90 66.70121 (21013021)
504371.98 3633425.90 66.34859 (21120723) 504421.98 3633425.90 63.98408 (20112022)
504471.98 3633425.90 63.91371 (21011323) 504521.98 3633425.90 62.57276 (20011902)
504571.98 3633425.90 60.73006 (19022705) 504621.98 3633425.90 57.85951 (20121007)
504671.98 3633425.90 55.04844 (19121906) 504721.98 3633425.90 53.71288 (19122301)
504771.98 3633425.90 50.56877 (20122923) 504821.98 3633425.90 50.09187 (21022502)
504871.98 3633425.90 47.42727 (19120104) 504921.98 3633425.90 46.12697 (20021702)
504971.98 3633425.90 45.49620 (20020804) 505021.98 3633425.90 43.20300 (21010922)
505071.98 3633425.90 42.30338 (21012402) 505121.98 3633425.90 40.97435 (20022406)
505171.98 3633425.90 38.64931 (20022406) 505221.98 3633425.90 37.43762 (21121121)
502221.98 3633475.90 7.93437 (21111004) 502271.98 3633475.90 8.94487 (21111004)
502321.98 3633475.90 9.99167 (21111004) 502371.98 3633475.90 11.04734 (21111004)
502421.98 3633475.90 12.07502 (21111004) 502471.98 3633475.90 13.04486 (21111004)
502521.98 3633475.90 13.83902 (21111004) 502571.98 3633475.90 14.45067 (21111004)
502621.98 3633475.90 14.81778 (21111004) 502671.98 3633475.90 14.87322 (21111004)
504771.98 3633475.90 52.73434 (21022502) 504821.98 3633475.90 50.50461 (19120104)
504871.98 3633475.90 49.40525 (20021702) 504921.98 3633475.90 48.10282 (20020804)
504971.98 3633475.90 45.40186 (21012402) 505021.98 3633475.90 44.30049 (20121620)
505071.98 3633475.90 43.92954 (20022406) 505121.98 3633475.90 41.04081 (19010903)

```
        505171.98   3633475.90       39.55316  (21121121)                505221.98
3633475.90       38.30215  (21120121)
        502221.98   3633525.90        9.28305  (21012320)                502271.98
3633525.90        8.47060  (21012320)
        502321.98   3633525.90        8.72932  (21111004)                502371.98
3633525.90        9.89298  (21111004)
        502421.98   3633525.90       11.09583  (21111004)                502471.98
3633525.90       12.30106  (21111004)
        502521.98   3633525.90       13.42174  (21111004)                502571.98
3633525.90       14.42416  (21111004)
        502621.98   3633525.90       15.28229  (21111004)                502671.98
3633525.90       15.88222  (21111004)
        504771.98   3633525.90       54.23568  (19120104)                504821.98
3633525.90       53.36103  (20021702)
        504871.98   3633525.90       51.28395  (20020804)                504921.98
3633525.90       48.84825  (21012402)
        504971.98   3633525.90       46.47940  (20121620)                505021.98
3633525.90       45.72663  (20022406)
        505071.98   3633525.90       43.09645  (21121121)                505121.98
3633525.90       42.17928  (21120121)
        505171.98   3633525.90       40.30726  (21021801)                505221.98
3633525.90       38.83465  (21011022)
        502221.98   3633575.90       12.05045  (21012320)                502271.98
3633575.90       11.29375  (21012320)
        502321.98   3633575.90       10.47422  (21012320)                502371.98
3633575.90        9.59489  (21012320)
        502421.98   3633575.90        9.67856  (21111004)                502471.98
3633575.90       10.99574  (21111004)
        502521.98   3633575.90       12.34598  (21111004)                502571.98
3633575.90       13.68685  (21111004)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 613
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633575.90	14.96045	(21111004)	502671.98	3633575.90	16.08189	(21111004)
504771.98	3633575.90	57.60103	(20021702)	504821.98	3633575.90	54.39620	(20020804)
504871.98	3633575.90	52.47906	(21012402)	504921.98	3633575.90	49.86316	(20022406)
504971.98	3633575.90	47.05728	(19010903)	505021.98	3633575.90	45.39921	(21121121)
505071.98	3633575.90	44.21299	(21120121)	505121.98	3633575.90	42.14713	(21021801)
505171.98	3633575.90	40.49383	(21011022)	505221.98	3633575.90	40.19396	(21122302)
502221.98	3633625.90	14.69570	(21012320)	502271.98	3633625.90	14.15280	(21012320)
502321.98	3633625.90	13.56689	(21012320)	502371.98	3633625.90	12.82696	(21012320)
502421.98	3633625.90	11.95560	(21012320)	502471.98	3633625.90	10.92019	(21012320)
502521.98	3633625.90	10.77900	(21111004)	502571.98	3633625.90	12.30346	(21111004)
502621.98	3633625.90	13.86892	(21111004)	502671.98	3633625.90	15.39975	(21111004)
504771.98	3633625.90	57.77915	(21010922)	504821.98	3633625.90	55.50743	(21012402)
504871.98	3633625.90	53.97382	(20022406)	504921.98	3633625.90	50.00802	(19010903)
504971.98	3633625.90	50.75361	(21011418)	505021.98	3633625.90	47.35816	(21011418)
505071.98	3633625.90	44.70454	(21011022)	505121.98	3633625.90	43.11418	(20021024)
505171.98	3633625.90	43.16412	(21122302)	505221.98	3633625.90	40.33094	(21011724)
502221.98	3633675.90	16.77089	(21012320)	502271.98	3633675.90	16.62338	(21012320)
502321.98	3633675.90	16.41910	(21012320)	502371.98	3633675.90	16.00341	(21012320)
502421.98	3633675.90	15.44733	(21012320)	502471.98	3633675.90	14.65458	(21012320)
502521.98	3633675.90	13.69356	(21012320)	502571.98	3633675.90	12.55423	(21012320)
502621.98	3633675.90	12.08463	(21111004)	502671.98	3633675.90	13.85501	(21111004)
504771.98	3633675.90	59.40862	(20121620)	504821.98	3633675.90	57.09216	(20022406)
504871.98	3633675.90	55.91704	(21011418)	504921.98			

```
3633675.90       56.12470  (21011418)
        504971.98   3633675.90       49.64100  (21011418)                505021.98
3633675.90       46.81986  (20021024)
        505071.98   3633675.90       47.02039  (21122302)                505121.98
3633675.90       44.62949  (21011724)
        505171.98   3633675.90       44.07964  (21010408)                505221.98
3633675.90       41.33057  (21011720)
        502221.98   3633725.90       17.91427  (21012320)                502271.98
3633725.90       18.24855  (21012320)
        502321.98   3633725.90       18.56427  (21012320)                502371.98
3633725.90       18.66951  (21012320)
        502421.98   3633725.90       18.57504  (21012320)                502471.98
3633725.90       18.25037  (21012320)
        502521.98   3633725.90       17.68523  (21012320)                502571.98
3633725.90       16.86835  (21012320)
        502621.98   3633725.90       15.80666  (21012320)                502671.98
3633725.90       14.51310  (21012320)
        504771.98   3633725.90       64.32623  (20111118)                504821.98
3633725.90       63.92564  (21011418)
        504871.98   3633725.90       60.47991  (21011418)                504921.98
3633725.90       52.00967  (21011022)
        504971.98   3633725.90       51.07273  (21122302)                505021.98
3633725.90       48.49116  (21011724)
        505071.98   3633725.90       48.12732  (21010408)                505121.98
3633725.90       45.75937  (21011720)
        505171.98   3633725.90       43.35930  (21011221)                505221.98
3633725.90       42.12832  (20121406)
        502221.98   3633775.90       17.88834  (21012320)                502271.98
3633775.90       18.68210  (21012320)
        502321.98   3633775.90       19.57206  (21012320)                502371.98
3633775.90       20.22661  (21012320)
        502421.98   3633775.90       20.75225  (21012320)                502471.98
3633775.90       21.01331  (21012320)
        502521.98   3633775.90       21.09082  (21012320)                502571.98
3633775.90       20.88916  (21012320)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 614
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633775.90	20.36335	(21012320)	502671.98	3633775.90	19.52406	(21012320)
504771.98	3633775.90	76.34268	(21011418)	504821.98	3633775.90	65.10222	(21011418)
504871.98	3633775.90	55.98725	(20021024)	504921.98	3633775.90	54.18462	(21122302)
504971.98	3633775.90	52.45693	(21010408)	505021.98	3633775.90	49.87799	(21011720)
505071.98	3633775.90	47.65233	(21011221)	505121.98	3633775.90	46.77133	(20121406)
505171.98	3633775.90	43.53948	(20121406)	505221.98	3633775.90	42.00268	(20021723)
502221.98	3633825.90	16.69179	(21012320)	502271.98	3633825.90	17.82088	(21012320)
502321.98	3633825.90	19.07969	(21012320)	502371.98	3633825.90	20.26819	(21012320)
502421.98	3633825.90	21.35613	(21012320)	502471.98	3633825.90	22.30712	(21012320)
502521.98	3633825.90	23.11802	(21012320)	502571.98	3633825.90	23.72013	(21012320)
502621.98	3633825.90	24.04308	(21012320)	502671.98	3633825.90	24.00674	(21012320)
504771.98	3633825.90	67.85833	(20081722)	504821.98	3633825.90	62.28079	(21122302)
504871.98	3633825.90	58.23634	(21010408)	504921.98	3633825.90	55.58476	(21011720)
504971.98	3633825.90	52.73692	(21011221)	505021.98	3633825.90	51.23852	(20121406)
505071.98	3633825.90	47.73176	(20021305)	505121.98	3633825.90	47.02513	(20021723)
505171.98	3633825.90	45.48831	(19011606)	505221.98	3633825.90	43.15500	(19011606)
502221.98	3633875.90	14.41671	(21012320)	502271.98	3633875.90	15.73718	(21012320)
502321.98	3633875.90	17.24641	(21012320)	502371.98	3633875.90	18.70418	(21012320)
502421.98	3633875.90	20.23748	(21012320)	502471.98	3633875.90	21.70533	(21012320)
502521.98	3633875.90	23.20381	(21012320)	502571.98	3633875.90	24.60659	(21012320)

```
        502621.98   3633875.90       25.82816  (21012320)                502671.98
3633875.90       26.78429  (21012320)
        504771.98   3633875.90       68.19045  (21011724)                504821.98
3633875.90       62.65223  (21011720)
        504871.98   3633875.90       58.92885  (21011221)                504921.98
3633875.90       57.16745  (20121406)
        504971.98   3633875.90       53.01948  (20021305)                505021.98
3633875.90       51.90697  (20021723)
        505071.98   3633875.90       50.38534  (19011606)                505121.98
3633875.90       46.80837  (20012223)
        505171.98   3633875.90       44.88080  (19121305)                505221.98
3633875.90       42.90413  (19121305)
        502221.98   3633925.90       11.82834  (19083104)                502271.98
3633925.90       12.87782  (21012320)
        502321.98   3633925.90       14.35577  (21012320)                502371.98
3633925.90       15.88589  (21012320)
        502421.98   3633925.90       17.62153  (21012320)                502471.98
3633925.90       19.38032  (21012320)
        502521.98   3633925.90       21.26131  (21012320)                502571.98
3633925.90       23.19319  (21012320)
        502621.98   3633925.90       25.12925  (21012320)                502671.98
3633925.90       26.97704  (21012320)
        504771.98   3633925.90       68.50528  (21011221)                504821.98
3633925.90       63.55672  (20121406)
        504871.98   3633925.90       59.40548  (20021723)                504921.98
3633925.90       57.88997  (19011606)
        504971.98   3633925.90       55.49836  (19011606)                505021.98
3633925.90       51.65735  (19121305)
        505071.98   3633925.90       49.83421  (19121305)                505121.98
3633925.90       45.72066  (21010422)
        505171.98   3633925.90       45.14215  (19011923)                505221.98
3633925.90       42.91795  (19011923)
        502221.98   3633975.90       13.98003  (19083104)                502271.98
3633975.90       14.13142  (19083104)
        502321.98   3633975.90       14.29288  (19083104)                502371.98
3633975.90       14.41789  (19083104)
        502421.98   3633975.90       14.48124  (19083104)                502471.98
3633975.90       15.77988  (21012320)
        502521.98   3633975.90       17.72135  (21012320)                502571.98
3633975.90       19.80956  (21012320)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 615
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
```

INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633975.90	22.07170	(21012320)	502671.98	3633975.90	24.42020	(21012320)
504771.98	3633975.90	68.24261	(20021723)	504821.98	3633975.90	66.49852	(20081804)
504871.98	3633975.90	62.89436	(20081804)	504921.98	3633975.90	58.63049	(19121305)
504971.98	3633975.90	53.75367	(19121305)	505021.98	3633975.90	52.75192	(19011923)
505071.98	3633975.90	49.82615	(19011923)	505121.98	3633975.90	47.31883	(19012803)
505171.98	3633975.90	45.20295	(21121821)	505221.98	3633975.90	42.81871	(21121821)
502221.98	3634025.90	15.37854	(19083104)	502271.98	3634025.90	15.78374	(19083104)
502321.98	3634025.90	16.22868	(19083104)	502371.98	3634025.90	16.66960	(19083104)
502421.98	3634025.90	17.06655	(19083104)	502471.98	3634025.90	17.42328	(19083104)
502521.98	3634025.90	17.73400	(19083104)	502571.98	3634025.90	17.98763	(19083104)
502621.98	3634025.90	18.17627	(19083104)	502671.98	3634025.90	19.80398	(21012320)
504771.98	3634025.90	71.01871	(19121305)	504821.98	3634025.90	66.51698	(20082223)
504871.98	3634025.90	61.02360	(19011923)	504921.98	3634025.90	57.55579	(19012803)
504971.98	3634025.90	55.14455	(19012803)	505021.98	3634025.90	53.00719	(21121821)
505071.98	3634025.90	50.43264	(20121224)	505121.98	3634025.90	47.39400	(20121224)
505171.98	3634025.90	45.26208	(20020703)	505221.98	3634025.90	42.68643	(20020703)
502221.98	3634075.90	15.67737	(19083104)	502271.98	3634075.90	16.32873	(19083104)
502321.98	3634075.90	17.02204	(19083104)	502371.98			

```
3634075.90       17.72773  (19083104)
        502421.98   3634075.90       18.43659  (19083104)                502471.98
3634075.90       19.16548  (19083104)
        502521.98   3634075.90       19.90558  (19083104)                502571.98
3634075.90       20.65089  (19083104)
        502621.98   3634075.90       21.33986  (19083104)                502671.98
3634075.90       22.00744  (19083104)
        504771.98   3634075.90       68.29388  (19012803)                504821.98
3634075.90       64.49881  (21121821)
        504871.98   3634075.90       61.13826  (20121224)                504921.98
3634075.90       58.52085  (20121224)
        504971.98   3634075.90       55.80510  (20020703)                505021.98
3634075.90       52.26258  (20020703)
        505071.98   3634075.90       48.26975  (21022324)                505121.98
3634075.90       46.02692  (20122520)
        505171.98   3634075.90       44.72548  (21122121)                505221.98
3634075.90       43.88936  (21122121)
        502221.98   3634125.90       14.80802  (19083104)                502271.98
3634125.90       15.63055  (19083104)
        502321.98   3634125.90       16.46566  (19083104)                502371.98
3634125.90       17.37490  (19083104)
        502421.98   3634125.90       18.31025  (19083104)                502471.98
3634125.90       19.29501  (19083104)
        502521.98   3634125.90       20.32540  (19083104)                502571.98
3634125.90       21.40666  (19083104)
        502621.98   3634125.90       22.59411  (19083104)                502671.98
3634125.90       23.80441  (19083104)
        504771.98   3634125.90       69.00017  (20020703)                504821.98
3634125.90       63.97061  (20020703)
        504871.98   3634125.90       58.30273  (20032124)                504921.98
3634125.90       57.80480  (21122121)
        504971.98   3634125.90       56.48599  (21122121)                505021.98
3634125.90       54.03135  (21122121)
        505071.98   3634125.90       51.74696  (20121803)                505121.98
3634125.90       49.32407  (20121803)
        505171.98   3634125.90       46.50027  (20121803)                505221.98
3634125.90       44.11368  (21122201)
        502221.98   3634175.90       12.93675  (19083104)                502271.98
3634175.90       13.75134  (19083104)
        502321.98   3634175.90       14.60217  (19083104)                502371.98
3634175.90       15.64895  (19083104)
        502421.98   3634175.90       16.64897  (19083104)                502471.98
3634175.90       17.72390  (19083104)
        502521.98   3634175.90       18.86998  (19083104)                502571.98
3634175.90       20.12006  (19083104)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634175.90	21.46754	(19083104)	502671.98	3634175.90	22.95202	(19083104)
504771.98	3634175.90	70.76245	(21122121)	504821.98	3634175.90	67.63105	(20121803)
504871.98	3634175.90	63.89136	(20121803)	504921.98	3634175.90	59.68315	(21122201)
504971.98	3634175.90	56.48593	(21122201)	505021.98	3634175.90	52.79773	(19021906)
505071.98	3634175.90	50.41209	(19021906)	505121.98	3634175.90	47.33283	(19021906)
505171.98	3634175.90	44.47609	(19021906)	505221.98	3634175.90	42.56557	(20013123)
502221.98	3634225.90	11.74015	(20022619)	502271.98	3634225.90	12.17384	(20022619)
502321.98	3634225.90	12.75242	(20022619)	502371.98	3634225.90	13.37895	(20022619)
502421.98	3634225.90	13.94438	(20022619)	502471.98	3634225.90	14.81774	(19083104)
502521.98	3634225.90	15.88198	(19083104)	502571.98	3634225.90	17.07176	(19083104)
502621.98	3634225.90	18.36739	(19083104)	502671.98	3634225.90	19.80815	(19083104)
504771.98	3634225.90	69.05417	(19021906)	504821.98	3634225.90	64.56804	(20013123)
504871.98	3634225.90	62.32761	(20013123)	504921.98	3634225.90	59.76642	(20013123)
504971.98	3634225.90	56.58579	(20013123)	505021.98	3634225.90	53.61005	(20013123)
505071.98	3634225.90	50.56077	(20013123)	505121.98	3634225.90	47.23001	(20013123)

505171.98 3634225.90 44.24355 (20013123) 505221.98 3634225.90 41.64520 (20013123)
502221.98 3634275.90 13.11277 (21021102) 502271.98 3634275.90 13.62827 (21021102)
502321.98 3634275.90 14.22664 (21021102) 502371.98 3634275.90 14.91725 (21021102)
502421.98 3634275.90 15.56684 (21021102) 502471.98 3634275.90 16.25068 (21021102)
502521.98 3634275.90 16.98763 (21021102) 502571.98 3634275.90 17.77224 (21021102)
502621.98 3634275.90 18.63514 (21021102) 502671.98 3634275.90 19.56270 (21021102)
504771.98 3634275.90 67.49400 (21013019) 504821.98 3634275.90 63.94893 (21013019)
504871.98 3634275.90 60.49328 (21013019) 504921.98 3634275.90 57.13469 (21013019)
504971.98 3634275.90 53.40054 (21013019) 505021.98 3634275.90 50.91549 (19122101)
505071.98 3634275.90 48.93209 (19122101) 505121.98 3634275.90 46.82923 (19122101)
505171.98 3634275.90 45.12363 (19122101) 505221.98 3634275.90 43.52210 (19122101)
502221.98 3634325.90 16.63711 (21021102) 502271.98 3634325.90 17.38732 (21021102)
502321.98 3634325.90 18.17887 (21021102) 502371.98 3634325.90 19.03266 (21021102)
502421.98 3634325.90 19.94587 (21021102) 502471.98 3634325.90 20.91779 (21021102)
502521.98 3634325.90 21.98163 (21021102) 502571.98 3634325.90 23.13092 (21021102)
502621.98 3634325.90 24.37920 (21021102) 502671.98 3634325.90 25.76635 (21021102)
504771.98 3634325.90 70.68949 (21021007) 504821.98 3634325.90 66.80781 (21021007)
504871.98 3634325.90 63.00707 (21021007) 504921.98 3634325.90 59.27685 (21021007)
504971.98 3634325.90 55.92311 (21021007) 505021.98 3634325.90 53.44297 (21021007)
505071.98 3634325.90 50.82053 (21021007) 505121.98 3634325.90 48.12350 (21021007)
505171.98 3634325.90 45.97481 (21021007) 505221.98 3634325.90 43.93120 (21021007)
502221.98 3634375.90 19.19394 (21021102) 502271.98 3634375.90 20.06114 (21021102)
502321.98 3634375.90 20.92588 (21021102) 502371.98 3634375.90 21.86327 (21021102)
502421.98 3634375.90 22.97920 (21021102) 502471.98 3634375.90 24.17793 (21021102)
502521.98 3634375.90 25.49513 (21021102) 502571.98 3634375.90 26.83737 (21021102)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634375.90	28.19217	(21021102)	502671.98	3634375.90	29.58211	(21021102)
504771.98	3634375.90	68.34559	(20011720)	504821.98	3634375.90	63.94444	(20011720)
504871.98	3634375.90	60.05734	(20011720)	504921.98	3634375.90	56.33930	(20011720)
504971.98	3634375.90	53.19957	(20011720)	505021.98	3634375.90	50.60216	(20011720)
505071.98	3634375.90	47.90357	(21032906)	505121.98	3634375.90	45.49725	(21032906)
505171.98	3634375.90	43.48566	(21032906)	505221.98	3634375.90	41.62632	(21032906)
502221.98	3634425.90	20.10780	(21021102)	502271.98	3634425.90	20.94444	(21021102)
502321.98	3634425.90	21.81120	(21021102)	502371.98	3634425.90	22.73313	(21021102)
502421.98	3634425.90	23.72531	(21021102)	502471.98	3634425.90	24.75813	(21021102)
502521.98	3634425.90	25.88821	(21021102)	502571.98	3634425.90	27.07885	(21021102)
502621.98	3634425.90	28.35616	(21021102)	502671.98	3634425.90	29.70963	(21021102)
504771.98	3634425.90	64.95156	(20041201)	504821.98	3634425.90	63.74199	(20041201)
504871.98	3634425.90	66.79833	(20041201)	504921.98			

3634425.90 68.93965 (20041201)
504971.98 3634425.90 60.73836 (20041201) 505021.98
3634425.90 56.35496 (20041201)
505071.98 3634425.90 55.61664 (20041201) 505121.98
3634425.90 53.72010 (20041201)
505171.98 3634425.90 49.09481 (20041201) 505221.98
3634425.90 45.06501 (20041201)
502221.98 3634475.90 19.01324 (21021102) 502271.98
3634475.90 19.64817 (21021102)
502321.98 3634475.90 20.30247 (21021102) 502371.98
3634475.90 20.98208 (21021102)
502421.98 3634475.90 21.68581 (21021102) 502471.98
3634475.90 22.40659 (21021102)
502521.98 3634475.90 23.17394 (21021102) 502571.98
3634475.90 23.95363 (21021102)
502621.98 3634475.90 24.75353 (21021102) 502671.98
3634475.90 25.57572 (21021102)
504771.98 3634475.90 60.31376 (20081806) 504821.98
3634475.90 56.27322 (20081806)
504871.98 3634475.90 57.63222 (20081806) 504921.98
3634475.90 66.62422 (20041201)
504971.98 3634475.90 64.07630 (20041201) 505021.98
3634475.90 62.70425 (20041201)
505071.98 3634475.90 62.41305 (20041201) 505121.98
3634475.90 59.92527 (20041201)
505171.98 3634475.90 56.47408 (20041201) 505221.98
3634475.90 53.22031 (20041201)
502221.98 3634525.90 16.31497 (21021102) 502271.98
3634525.90 16.66175 (21021102)
502321.98 3634525.90 17.00884 (21021102) 502371.98
3634525.90 17.35401 (21021102)
502421.98 3634525.90 17.68481 (21021102) 502471.98
3634525.90 18.00701 (21021102)
502521.98 3634525.90 18.30968 (21021102) 502571.98
3634525.90 18.77199 (19101801)
502621.98 3634525.90 19.71370 (19101801) 502671.98
3634525.90 21.25561 (19050903)
504771.98 3634525.90 63.12467 (20081806) 504821.98
3634525.90 61.87321 (20081806)
504871.98 3634525.90 67.94819 (20081806) 504921.98
3634525.90 75.92959 (20081806)
504971.98 3634525.90 73.45315 (20081806) 505021.98
3634525.90 68.07846 (20081806)
505071.98 3634525.90 62.51957 (20081806) 505121.98
3634525.90 56.00030 (20081806)
505171.98 3634525.90 49.30126 (20081806) 505221.98
3634525.90 43.11519 (20041201)
502221.98 3634575.90 13.71432 (19101801) 502271.98
3634575.90 14.24432 (19101801)
502321.98 3634575.90 14.80014 (19101801) 502371.98

3634575.90   15.60700 (19050903)
        502421.98   3634575.90   16.93953 (19050903)   502471.98
3634575.90   18.38027 (19050903)
        502521.98   3634575.90   19.92435 (19050903)   502571.98
3634575.90   21.58273 (19050903)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                   INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3634575.90   23.35266 (19050903)   502671.98
3634575.90   25.24456 (19050903)
        504771.98   3634575.90   67.38261 (19022319)   504821.98
3634575.90   63.89972 (19022319)
        504871.98   3634575.90   66.95020 (19022319)   504921.98
3634575.90   66.32236 (21032601)
        504971.98   3634575.90   65.98624 (21032601)   505021.98
3634575.90   65.24186 (20081806)
        505071.98   3634575.90   63.53102 (20081806)   505121.98
3634575.90   60.79676 (20081806)
        505171.98   3634575.90   54.20279 (20081806)   505221.98
3634575.90   50.02321 (20081806)
        502221.98   3634625.90   14.97116 (19050903)   502271.98
3634625.90   16.05806 (19050903)
        502321.98   3634625.90   17.17742 (19050903)   502371.98
3634625.90   18.38922 (19050903)
        502421.98   3634625.90   19.65805 (19050903)   502471.98
3634625.90   20.98193 (19050903)
        502521.98   3634625.90   22.36858 (19050903)   502571.98
3634625.90   23.75287 (19050903)

```
        502621.98   3634625.90       25.14708  (19050903)                502671.98
3634625.90       26.51337  (19050903)
        504771.98   3634625.90       72.44968  (19030607)                504821.98
3634625.90       72.18895  (20081401)
        504871.98   3634625.90       72.54783  (20081401)                504921.98
3634625.90       68.04902  (20081401)
        504971.98   3634625.90       62.84713  (19022319)                505021.98
3634625.90       60.23631  (19022319)
        505071.98   3634625.90       54.84920  (19022319)                505121.98
3634625.90       49.54802  (19022319)
        505171.98   3634625.90       43.67519  (20081806)                505221.98
3634625.90       42.46362  (20081806)
        502221.98   3634675.90       16.85945  (19050903)                502271.98
3634675.90       17.84350  (19050903)
        502321.98   3634675.90       18.82705  (19050903)                502371.98
3634675.90       19.80031  (19050903)
        502421.98   3634675.90       20.77248  (19050903)                502471.98
3634675.90       21.71463  (19050903)
        502521.98   3634675.90       22.60512  (19050903)                502571.98
3634675.90       23.42873  (19050903)
        502621.98   3634675.90       24.14585  (19050903)                502671.98
3634675.90       24.71087  (19050903)
        504771.98   3634675.90       61.33777  (21122106)                504821.98
3634675.90       58.96166  (21122106)
        504871.98   3634675.90       59.84034  (19042006)                504921.98
3634675.90       58.97125  (19042006)
        504971.98   3634675.90       57.14199  (20082303)                505021.98
3634675.90       53.30604  (20082303)
        505071.98   3634675.90       48.73896  (19022319)                505121.98
3634675.90       47.77584  (19022319)
        505171.98   3634675.90       42.43762  (19022319)                505221.98
3634675.90       38.59050  (19022319)
        502221.98   3634725.90       17.50522  (19050903)                502271.98
3634725.90       18.19176  (19050903)
        502321.98   3634725.90       18.80389  (19050903)                502371.98
3634725.90       19.37822  (19050903)
        502421.98   3634725.90       19.90213  (19050903)                502471.98
3634725.90       20.31089  (19050903)
        502521.98   3634725.90       20.58750  (19050903)                502571.98
3634725.90       20.74146  (19050903)
        502621.98   3634725.90       20.71833  (19050903)                502671.98
3634725.90       20.51515  (19050903)
        504771.98   3634725.90       51.94596  (20011806)                504821.98
3634725.90       62.85039  (20010802)
        504871.98   3634725.90       66.84305  (19022007)                504921.98
3634725.90       51.68894  (20072505)
        504971.98   3634725.90       53.60555  (19030607)                505021.98
3634725.90       52.62657  (19030607)
        505071.98   3634725.90       48.55999  (19030607)                505121.98
3634725.90       44.28608  (19030607)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634775.90	15.98548	(19050903)	502671.98	3634775.90	16.22170	(19022707)
504771.98	3634775.90	19.03992	(21071520)	504821.98	3634775.90	54.21246	(20010802)
504871.98	3634775.90	67.44389	(20010802)	504921.98	3634775.90	60.46214	(20082106)
504971.98	3634775.90	53.12229	(20041202)	505021.98	3634775.90	47.52385	(20121617)
505071.98	3634775.90	45.92271	(20082024)	505121.98	3634775.90	43.28070	(20082024)
505171.98	3634775.90	37.02993	(20082024)	505221.98	3634775.90	34.14680	(19030607)
502221.98	3634825.90	14.89040	(19050903)	502271.98	3634825.90	14.80538	(19050903)
502321.98	3634825.90	14.61091	(19050903)	502371.98			

```
3634825.90       14.31538  (19050903)
        502421.98   3634825.90       13.89735  (19050903)                502471.98
3634825.90       13.36048  (19050903)
        502521.98   3634825.90       13.80859  (19022707)                502571.98
3634825.90       14.93408  (19120120)
        502621.98   3634825.90       16.60580  (20021724)                502671.98
3634825.90       19.22800  (20021724)
        504771.98   3634825.90       23.01410  (21071520)                504821.98
3634825.90       68.33353  (19030707)
        504871.98   3634825.90       68.45606  (20092620)                504921.98
3634825.90       65.60530  (20082106)
        504971.98   3634825.90       59.10565  (20082106)                505021.98
3634825.90       47.75403  (20082106)
        505071.98   3634825.90       41.31480  (20082106)                505121.98
3634825.90       39.14736  (20041202)
        505171.98   3634825.90       35.67568  (20082024)                505221.98
3634825.90       33.53441  (20082024)
        502221.98   3634875.90       12.24187  (19050903)                502271.98
3634875.90       11.85761  (19050903)
        502321.98   3634875.90       11.39610  (19050903)                502371.98
3634875.90       11.94065  (19022707)
        502421.98   3634875.90       12.81491  (19120120)                502471.98
3634875.90       13.72003  (19120120)
        502521.98   3634875.90       15.62228  (20021724)                502571.98
3634875.90       17.85941  (20021724)
        502621.98   3634875.90       20.20924  (20021724)                502671.98
3634875.90       22.59443  (20021724)
        504771.98   3634875.90       25.44955  (21071520)                504821.98
3634875.90       48.48200  (21012805)
        504871.98   3634875.90       66.49085  (19030707)                504921.98
3634875.90       70.44800  (20092620)
        504971.98   3634875.90       56.55911  (21011602)                505021.98
3634875.90       47.74516  (20082106)
        505071.98   3634875.90       42.80566  (20082106)                505121.98
3634875.90       40.61563  (20082106)
        505171.98   3634875.90       34.28489  (20082106)                505221.98
3634875.90       31.81910  (20041202)
        502221.98   3634925.90       10.45833  (19022707)                502271.98
3634925.90       11.13933  (19120120)
        502321.98   3634925.90       11.91708  (19120120)                502371.98
3634925.90       12.90486  (20021724)
        502421.98   3634925.90       14.71210  (20021724)                502471.98
3634925.90       16.61567  (20021724)
        502521.98   3634925.90       18.60000  (20021724)                502571.98
3634925.90       20.57824  (20021724)
        502621.98   3634925.90       22.46446  (20021724)                502671.98
3634925.90       27.22251  (21011719)
        504771.98   3634925.90       25.97224  (21071520)                504821.98
3634925.90       47.91293  (20022105)
        504871.98   3634925.90       65.50829  (19030707)                504921.98
```

3634925.90   62.20531 (20092620)
        504971.98   3634925.90   59.42560 (20082302)   505021.98
3634925.90   48.73518 (20082302)
        505071.98   3634925.90   41.36622 (21011602)   505121.98
3634925.90   40.78801 (20082106)
        505171.98   3634925.90   39.22204 (20082106)   505221.98
3634925.90   36.82723 (20082106)
        502221.98   3634975.90   11.04939 (19120120)   502271.98
3634975.90   12.28568 (20021724)
        502321.98   3634975.90   13.85547 (20021724)   502371.98
3634975.90   15.50674 (20021724)
        502421.98   3634975.90   17.18959 (20021724)   502471.98
3634975.90   18.84424 (20021724)
        502521.98   3634975.90   20.41954 (20021724)   502571.98
3634975.90   24.65258 (21011719)

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER   ***
                                 INCLUDING SOURCE(S):   L0000928   , L0000929 , L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937 ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

505221.98 3634975.90 40.15477 (20082106) 502221.98
3635025.90 13.07249 (20021724)
502271.98 3635025.90 14.50602 (20021724) 502321.98
3635025.90 15.94641 (20021724)
502371.98 3635025.90 17.35089 (20021724) 502421.98
3635025.90 18.67296 (20021724)
502471.98 3635025.90 22.47063 (21011719) 502521.98
3635025.90 26.26214 (21011719)
502571.98 3635025.90 29.58434 (21011719) 502621.98
3635025.90 31.96362 (21011719)
502671.98 3635025.90 32.93232 (21011719) 504871.98
3635025.90 64.35422 (19102623)
504921.98 3635025.90 49.84144 (19102623) 504971.98
3635025.90 53.50566 (20082301)
505021.98 3635025.90 45.22650 (20082301) 505071.98
3635025.90 40.34465 (20082302)
505121.98 3635025.90 47.20556 (20082302) 505171.98
3635025.90 48.29706 (20082302)
505221.98 3635025.90 44.67658 (20082302) 502221.98
3635075.90 14.83874 (20021724)
502271.98 3635075.90 16.04197 (20021724) 502321.98
3635075.90 17.23004 (21011719)
502371.98 3635075.90 20.58719 (21011719) 502421.98
3635075.90 23.88107 (21011719)
502471.98 3635075.90 26.78299 (21011719) 502521.98
3635075.90 28.91286 (21011719)
502571.98 3635075.90 29.90034 (21011719) 502621.98
3635075.90 29.46665 (21011719)
502671.98 3635075.90 27.52739 (21011719) 504921.98
3635075.90 68.12826 (19102623)
504971.98 3635075.90 47.39840 (19021605) 505021.98
3635075.90 49.39687 (20082301)
505071.98 3635075.90 46.61202 (20082301) 505121.98
3635075.90 42.01576 (20090224)
505171.98 3635075.90 45.84002 (20092620) 505221.98
3635075.90 48.35555 (20092620)
502221.98 3635125.90 15.99311 (21011719) 502271.98
3635125.90 18.94662 (21011719)
502321.98 3635125.90 21.83351 (21011719) 502371.98
3635125.90 24.38829 (21011719)
502421.98 3635125.90 26.30348 (21011719) 502471.98
3635125.90 27.27909 (21011719)
502521.98 3635125.90 27.08770 (21011719) 502571.98
3635125.90 25.63088 (21011719)
502621.98 3635125.90 22.99857 (21011719) 502671.98
3635125.90 25.42106 (20022207)
505021.98 3635125.90 46.91387 (19102623) 505071.98
3635125.90 44.86287 (20082301)
505121.98 3635125.90 41.88209 (20082301) 505171.98
3635125.90 40.99922 (19030707)

```
        505221.98   3635125.90       39.85356  (20092620)                502221.98
3635175.90       20.05677  (21011719)
        502271.98   3635175.90       22.32674  (21011719)                502321.98
3635175.90       24.05626  (21011719)
        502371.98   3635175.90       25.00707  (21011719)                502421.98
3635175.90       24.98391  (21011719)
        502471.98   3635175.90       23.89239  (21011719)                502521.98
3635175.90       21.78049  (21011719)
        502571.98   3635175.90       21.90181  (20022207)                502621.98
3635175.90       25.15967  (20022207)
        502671.98   3635175.90       27.96371  (20022207)                505121.98
3635175.90       40.43959  (19102623)
        505171.98   3635175.90       38.12934  (19010822)                505221.98
3635175.90       38.41001  (19081504)
        502221.98   3635225.90       22.10289  (21011719)                502271.98
3635225.90       23.02454  (21011719)
        502321.98   3635225.90       23.12462  (21011719)                502371.98
3635225.90       22.31586  (21011719)
        502421.98   3635225.90       20.61770  (21011719)                502471.98
3635225.90       18.94679  (20022207)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 621
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        502521.98   3635225.90       21.92190  (20022207)                502571.98
3635225.90       24.64367  (20022207)
        502621.98   3635225.90       26.81923  (20022207)                502671.98
3635225.90       28.15541  (20022207)
        502221.98   3635275.90       21.45830  (21011719)                502271.98
```

```
3635275.90       20.87847  (21011719)
        502321.98   3635275.90       19.50965  (21011719)                502371.98
3635275.90       17.46612  (21011719)
        502421.98   3635275.90       19.14605  (20022207)                502471.98
3635275.90       21.70896  (20022207)
        502521.98   3635275.90       23.91082  (20022207)                502571.98
3635275.90       25.54520  (20022207)
        502621.98   3635275.90       26.33073  (20022207)                502671.98
3635275.90       26.09333  (20022207)
        502221.98   3635325.90       27.54391  (21011719)                502271.98
3635325.90       16.76049  (21011719)
        502321.98   3635325.90       16.77524  (20022207)                502371.98
3635325.90       19.14731  (20022207)
        502421.98   3635325.90       23.36556  (20022207)                502471.98
3635325.90       25.68657  (20022207)
        502521.98   3635325.90       24.19135  (20022207)                502571.98
3635325.90       24.53474  (20022207)
        502621.98   3635325.90       23.94128  (20022207)                502671.98
3635325.90       24.94373  (21012023)
        502221.98   3635375.90       21.01151  (21011719)                502271.98
3635375.90       16.93347  (20022207)
        502321.98   3635375.90       18.99544  (20022207)                502371.98
3635375.90       28.01151  (19013101)
        502421.98   3635375.90       29.77933  (20022207)                502471.98
3635375.90       32.11309  (19012005)
        502521.98   3635375.90       25.08269  (20022207)                502571.98
3635375.90       21.94002  (20022207)
        502621.98   3635375.90       23.69907  (21012023)                502671.98
3635375.90       24.55007  (21012023)
        502221.98   3635425.90       29.40622  (21052423)                502271.98
3635425.90       18.70773  (20022207)
        502321.98   3635425.90       23.72518  (20022207)                502371.98
3635425.90       28.00737  (20022207)
        502421.98   3635425.90       29.86620  (19012005)                502471.98
3635425.90       32.30817  (19012005)
        502521.98   3635425.90       31.11451  (20122320)                502571.98
3635425.90       32.27721  (21012023)
        502621.98   3635425.90       32.70091  (21012023)                502671.98
3635425.90       28.34220  (21012023)
        504771.98   3635425.90       23.26573  (20011620)                502221.98
3635475.90       26.22492  (19013101)
        502271.98   3635475.90       26.13108  (20022207)                502321.98
3635475.90       27.19691  (19012005)
        502371.98   3635475.90       29.37997  (19012005)                502421.98
3635475.90       30.26073  (19012005)
        502471.98   3635475.90       34.53074  (20071201)                502521.98
3635475.90       31.98444  (21012023)
        502571.98   3635475.90       31.67725  (21012023)                502621.98
3635475.90       29.70220  (21012023)
        502671.98   3635475.90       29.59565  (20122721)                504771.98
```

```
3635475.90       31.24915  (21061321)
        504821.98   3635475.90       28.96244  (20011620)                504871.98
3635475.90       40.28301  (21090701)
        504921.98   3635475.90       38.31234  (21090701)                502221.98
3635525.90       32.59403  (21031323)
        502271.98   3635525.90       28.33014  (19012005)                502321.98
3635525.90       29.25472  (19012005)
        502371.98   3635525.90       28.13519  (20122320)                502421.98
3635525.90       29.71594  (21012023)
        502471.98   3635525.90       31.94968  (21012023)                502521.98
3635525.90       30.93682  (21012023)
        502571.98   3635525.90       28.91692  (21012023)                502621.98
3635525.90       29.54766  (21110406)
        502671.98   3635525.90       33.89531  (20070801)                502721.98
3635525.90       36.76108  (20070801)
        502771.98   3635525.90       34.41594  (20070801)                502821.98
3635525.90       40.28235  (20070802)
        502871.98   3635525.90       42.02090  (20070802)                502921.98
3635525.90       41.85313  (20111121)
        502971.98   3635525.90       45.47916  (19091321)                503021.98
3635525.90       47.27270  (19091321)
        503071.98   3635525.90       46.46600  (20042421)                503121.98
3635525.90       26.06869  (19121706)
        503171.98   3635525.90       26.11042  (19121706)                503221.98
3635525.90       43.04629  (20110924)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 622
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
```

503271.98 3635525.90 49.64510 (20110924) 503321.98
3635525.90 49.64775 (19073101)
503371.98 3635525.90 53.92931 (20091222) 503421.98
3635525.90 49.10081 (19111601)
503471.98 3635525.90 64.11101 (20033120) 503521.98
3635525.90 67.56835 (19071201)
503571.98 3635525.90 61.40643 (20101023) 503621.98
3635525.90 50.13436 (20120224)
503671.98 3635525.90 52.68590 (19031924) 503721.98
3635525.90 51.75596 (21021806)
503771.98 3635525.90 59.90399 (21081004) 503821.98
3635525.90 63.44315 (19101219)
503871.98 3635525.90 53.86457 (21012024) 503921.98
3635525.90 59.85503 (20071102)
503971.98 3635525.90 50.22924 (20071102) 504021.98
3635525.90 46.58489 (21010222)
504071.98 3635525.90 22.64580 (21041323) 504121.98
3635525.90 21.81921 (21041323)
504171.98 3635525.90 18.90851 (21041323) 504221.98
3635525.90 20.63827 (21013118)
504271.98 3635525.90 26.72997 (21013118) 504321.98
3635525.90 30.06948 (21013118)
504371.98 3635525.90 29.53545 (21013118) 504421.98
3635525.90 25.51637 (21013118)
504471.98 3635525.90 19.56852 (21013118) 504521.98
3635525.90 13.46848 (21013118)
504571.98 3635525.90 8.97934 (19031219) 504621.98
3635525.90 9.48336 (20040223)
504671.98 3635525.90 11.81825 (20040223) 504721.98
3635525.90 41.23533 (21121422)
504771.98 3635525.90 31.90401 (21121422) 504821.98
3635525.90 31.48516 (21061321)
504871.98 3635525.90 37.29447 (21090701) 504921.98
3635525.90 36.47369 (21090701)
504971.98 3635525.90 37.09607 (21090701) 505021.98
3635525.90 41.52421 (21122618)
505071.98 3635525.90 44.38072 (21122618) 505121.98
3635525.90 41.11015 (21122618)
505171.98 3635525.90 33.73625 (21122618) 505221.98
3635525.90 24.93786 (21012617)
502221.98 3635575.90 34.96058 (19012005) 502271.98
3635575.90 29.63521 (19012005)
502321.98 3635575.90 27.62152 (19083024) 502371.98
3635575.90 29.19733 (20071201)
502421.98 3635575.90 30.66885 (21012023) 502471.98
3635575.90 29.88210 (21012023)
502521.98 3635575.90 27.06995 (21012023) 502571.98
3635575.90 28.16454 (21110406)
502621.98 3635575.90 31.88150 (20070801) 502671.98
3635575.90 35.48769 (20070801)

```
        502721.98   3635575.90       34.06645  (20070801)                502771.98
3635575.90       38.86751  (20070802)
        502821.98   3635575.90       41.90593  (20070802)                502871.98
3635575.90       41.42142  (19100620)
        502921.98   3635575.90       44.00850  (19091321)                502971.98
3635575.90       49.22348  (19091321)
        503021.98   3635575.90       50.13621  (20042421)                503071.98
3635575.90       48.92199  (20042421)
        503121.98   3635575.90       24.90302  (19121706)                503171.98
3635575.90       23.50085  (19121706)
        503221.98   3635575.90       56.05740  (20110924)                503271.98
3635575.90       57.22709  (19073101)
        503321.98   3635575.90       60.31216  (20091222)                503371.98
3635575.90       59.11676  (19111601)
        503421.98   3635575.90       58.25760  (20033120)                503471.98
3635575.90       64.13116  (20033120)
        503521.98   3635575.90       68.12471  (20101023)                503571.98
3635575.90       63.11135  (20101023)
        503621.98   3635575.90       57.40028  (19031924)                503671.98
3635575.90       56.93149  (19031924)
        503721.98   3635575.90       50.73684  (21081004)                503771.98
3635575.90       57.17997  (21081004)
        503821.98   3635575.90       57.46548  (19101219)                503871.98
3635575.90       52.26886  (21012024)
        503921.98   3635575.90       57.15399  (20071102)                503971.98
3635575.90       47.65346  (20071102)
        504021.98   3635575.90       21.77048  (21012024)                504071.98
3635575.90       21.34369  (21041323)
        504121.98   3635575.90       20.85592  (21041323)                504171.98
3635575.90       18.43766  (21041323)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 623
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504221.98	3635575.90	17.74970	(21013118)	504271.98	3635575.90	23.75589	(21013118)
504321.98	3635575.90	27.77421	(21013118)	504371.98	3635575.90	28.50745	(21013118)
504421.98	3635575.90	25.85199	(21013118)	504471.98	3635575.90	20.87782	(21013118)
504521.98	3635575.90	15.14203	(21013118)	504571.98	3635575.90	9.99346	(21013118)
504621.98	3635575.90	8.26884	(19031219)	504671.98	3635575.90	9.74197	(20040223)
504721.98	3635575.90	11.81207	(20040223)	504771.98	3635575.90	35.94013	(21121422)
504821.98	3635575.90	30.70539	(21061321)	504871.98	3635575.90	28.99966	(21090701)
504921.98	3635575.90	21.20435	(20011620)	504971.98	3635575.90	37.17231	(21090701)
505021.98	3635575.90	37.61079	(21090701)	505071.98	3635575.90	39.67428	(21122618)
505121.98	3635575.90	48.58632	(21122618)	505171.98	3635575.90	38.38494	(21122618)
505221.98	3635575.90	35.23370	(21122618)	502221.98	3635625.90	32.91705	(19083024)
502271.98	3635625.90	32.92922	(20071201)	502321.98	3635625.90	31.53366	(20071201)
502371.98	3635625.90	29.17681	(21012023)	502421.98	3635625.90	32.11419	(21072005)
502471.98	3635625.90	30.88684	(21072005)	502521.98	3635625.90	33.14240	(21110406)
502571.98	3635625.90	31.99420	(20070801)	502621.98	3635625.90	31.62736	(20070801)
502671.98	3635625.90	32.20445	(20070801)	502721.98	3635625.90	38.12862	(20070802)
502771.98	3635625.90	41.99795	(20070802)	502821.98	3635625.90	42.04524	(19100620)
502871.98	3635625.90	43.26326	(19091321)	502921.98	3635625.90	49.02788	(19091321)
502971.98	3635625.90	49.26459	(21061223)	503021.98	3635625.90	54.66443	(20042421)
503071.98	3635625.90	52.79890	(20042421)	503121.98	3635625.90	43.88957	(20110924)
503171.98	3635625.90	54.36856	(20110924)	503221.98	3635625.90	53.10799	(20110924)
503271.98	3635625.90	53.56246	(19073101)	503321.98	3635625.90	57.11548	(20091222)
503371.98	3635625.90	53.24943	(19111601)	503421.98			

```
3635625.90       59.42539  (20033120)
        503471.98   3635625.90       56.30860  (19071201)                503521.98
3635625.90       59.64374  (20101023)
        503571.98   3635625.90       59.00875  (21061224)                503621.98
3635625.90       65.47250  (19031924)
        503671.98   3635625.90       63.10748  (20090823)                503721.98
3635625.90       58.64712  (21081004)
        503771.98   3635625.90       61.80499  (21081004)                503821.98
3635625.90       60.96878  (19101219)
        503871.98   3635625.90       49.04609  (21012024)                503921.98
3635625.90       52.91810  (20071102)
        503971.98   3635625.90       43.61966  (20071102)                504021.98
3635625.90       20.93093  (21012024)
        504071.98   3635625.90       20.13038  (21041323)                504121.98
3635625.90       19.92851  (21041323)
        504171.98   3635625.90       17.93860  (21041323)                504221.98
3635625.90       15.23265  (21013118)
        504271.98   3635625.90       20.96230  (21013118)                504321.98
3635625.90       25.39992  (21013118)
        504371.98   3635625.90       27.14354  (21013118)                504421.98
3635625.90       25.73198  (21013118)
        504471.98   3635625.90       21.79606  (21013118)                504521.98
3635625.90       16.61387  (21013118)
        504571.98   3635625.90       11.51418  (21013118)                504621.98
3635625.90        8.04477  (19031219)
        504671.98   3635625.90        7.90390  (20040223)                504721.98
3635625.90        9.90801  (20040223)
        504771.98   3635625.90       37.80740  (21121422)                504821.98
3635625.90       32.56685  (21121422)
        504871.98   3635625.90       27.66044  (21061321)                504921.98
3635625.90       18.17167  (20011620)
        504971.98   3635625.90       34.48683  (21090701)                505021.98
3635625.90       20.06749  (20011620)
        505071.98   3635625.90       18.90644  (20011620)                505121.98
3635625.90       38.13740  (21122618)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 624
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
               L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505171.98	3635625.90	38.68837	(21122618)	505221.98	3635625.90	35.50812	(21122618)
502221.98	3635675.90	31.27805	(21012023)	502271.98	3635675.90	31.57569	(20071201)
502321.98	3635675.90	30.92115	(21012023)	502371.98	3635675.90	30.91339	(21072005)
502421.98	3635675.90	29.89582	(20121101)	502471.98	3635675.90	32.00365	(21110406)
502521.98	3635675.90	33.61662	(20070801)	502571.98	3635675.90	33.86107	(20070801)
502621.98	3635675.90	31.07360	(20070801)	502671.98	3635675.90	35.51738	(20070802)
502721.98	3635675.90	40.20298	(20070802)	502771.98	3635675.90	39.65109	(19100620)
502821.98	3635675.90	40.89932	(21121424)	502871.98	3635675.90	44.80719	(19091321)
502921.98	3635675.90	42.14681	(19071423)	502971.98	3635675.90	47.14532	(20042421)
503021.98	3635675.90	48.20966	(19121706)	503071.98	3635675.90	46.78209	(19121706)
503121.98	3635675.90	40.08112	(20110924)	503171.98	3635675.90	42.61474	(20110924)
503221.98	3635675.90	44.80423	(19073101)	503271.98	3635675.90	46.91222	(20091222)
503321.98	3635675.90	45.82222	(19111601)	503371.98	3635675.90	42.94866	(20033120)
503421.98	3635675.90	52.32117	(20033120)	503471.98	3635675.90	51.92972	(20101023)
503521.98	3635675.90	52.13122	(20101023)	503571.98	3635675.90	56.51092	(20120224)
503621.98	3635675.90	63.99078	(19031924)	503671.98	3635675.90	60.48357	(20090823)
503721.98	3635675.90	60.25625	(21081004)	503771.98	3635675.90	61.07823	(21081004)
503821.98	3635675.90	61.96483	(19101219)	503871.98	3635675.90	49.57727	(19021305)
503921.98	3635675.90	56.57155	(20071102)	503971.98	3635675.90	43.65487	(20071102)
504021.98	3635675.90	40.97651	(21010222)	504071.98	3635675.90	18.99808	(21041323)

```
        504121.98   3635675.90       19.03776  (21041323)               504171.98
3635675.90       17.41996  (21041323)
        504221.98   3635675.90       14.59358  (21041323)               504271.98
3635675.90       18.41991  (21013118)
        504321.98   3635675.90       23.02335  (21013118)               504371.98
3635675.90       25.53600  (21013118)
        504421.98   3635675.90       25.22762  (21013118)               504471.98
3635675.90       22.32496  (21013118)
        504521.98   3635675.90       17.82182  (21013118)               504571.98
3635675.90       12.94917  (21013118)
        504621.98   3635675.90        8.64235  (21013118)               504671.98
3635675.90        7.45858  (19031219)
        504721.98   3635675.90        8.17596  (20040223)               504771.98
3635675.90       42.69978  (21121422)
        504821.98   3635675.90       35.36158  (21121422)               504871.98
3635675.90       27.30708  (21121422)
        504921.98   3635675.90       15.87250  (20011620)               504971.98
3635675.90       29.22361  (21090701)
        505021.98   3635675.90       32.11562  (21090701)               505071.98
3635675.90       20.73130  (20011620)
        505121.98   3635675.90       33.95758  (21081602)               505171.98
3635675.90       36.33246  (21122618)
        505221.98   3635675.90       36.50860  (21122618)               502221.98
3635725.90       33.08020  (21012023)
        502271.98   3635725.90       30.63122  (21012023)               502321.98
3635725.90       29.32558  (21072005)
        502371.98   3635725.90       28.51327  (20121101)               502421.98
3635725.90       30.55128  (21110406)
        502471.98   3635725.90       32.24349  (20070801)               502521.98
3635725.90       32.93455  (20070801)
        502571.98   3635725.90       30.41828  (20070801)               502621.98
3635725.90       33.63835  (20070802)
        502671.98   3635725.90       37.99102  (20070802)               502721.98
3635725.90       38.06398  (20070802)
        502771.98   3635725.90       38.96812  (21121424)               502821.98
3635725.90       41.44229  (19091321)
        502871.98   3635725.90       41.69115  (19091321)               502921.98
3635725.90       40.92039  (19112801)
        502971.98   3635725.90       45.86825  (19121706)               503021.98
3635725.90       47.56262  (19121706)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 625
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
```

INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503071.98	3635725.90	40.07233	(19121706)	503121.98	3635725.90	38.39055	(21100523)
503171.98	3635725.90	38.54215	(21041406)	503221.98	3635725.90	41.39382	(21021621)
503271.98	3635725.90	40.99339	(20091222)	503321.98	3635725.90	39.09800	(20101905)
503371.98	3635725.90	43.14598	(19050823)	503421.98	3635725.90	45.29672	(20033120)
503471.98	3635725.90	50.99787	(20101023)	503521.98	3635725.90	50.84409	(20120224)
503571.98	3635725.90	53.82850	(20120224)	503621.98	3635725.90	59.06952	(19031924)
503671.98	3635725.90	56.17271	(20090823)	503721.98	3635725.90	58.68255	(21081004)
503771.98	3635725.90	56.91475	(21081004)	503821.98	3635725.90	60.02302	(19101219)
503871.98	3635725.90	50.75082	(19021305)	503921.98	3635725.90	55.45094	(20071102)
503971.98	3635725.90	44.21856	(20071102)	504021.98	3635725.90	37.71165	(21010222)
504071.98	3635725.90	40.43343	(19122420)	504121.98	3635725.90	18.17874	(21041323)
504171.98	3635725.90	16.88291	(21041323)	504221.98	3635725.90	39.92281	(20092001)
504271.98	3635725.90	41.12191	(20092001)	504321.98	3635725.90	20.73043	(21013118)
504371.98	3635725.90	23.76857	(21013118)	504421.98	3635725.90	24.38940	(21013118)
504471.98	3635725.90	22.48497	(21013118)	504521.98	3635725.90	19.68298	(21013118)
504571.98	3635725.90	14.24252	(21013118)	504621.98	3635725.90	9.93258	(21013118)
504671.98	3635725.90	12.54078	(19022602)	504721.98	3635725.90	6.93126	(21032918)
504771.98	3635725.90	8.37527	(20040223)	504821.98			

```
3635725.90       14.42362  (21121422)
        504871.98   3635725.90       11.37869  (20040223)                504921.98
3635725.90       13.47369  (20011620)
        504971.98   3635725.90       25.63736  (21061321)                505021.98
3635725.90       30.03245  (21090701)
        505071.98   3635725.90       30.64074  (21090701)                505121.98
3635725.90       34.95508  (21090701)
        505171.98   3635725.90       32.53320  (21081602)                505221.98
3635725.90       34.07154  (21122618)
        502221.98   3635775.90       31.21365  (21012023)                502271.98
3635775.90       26.74623  (21072005)
        502321.98   3635775.90       27.48184  (20121101)                502371.98
3635775.90       29.29432  (21110406)
        502421.98   3635775.90       30.75059  (20070801)                502471.98
3635775.90       31.30261  (20070801)
        502521.98   3635775.90       29.20735  (20070801)                502571.98
3635775.90       32.49893  (20070802)
        502621.98   3635775.90       36.35226  (20070802)                502671.98
3635775.90       36.48742  (20070802)
        502721.98   3635775.90       37.12719  (20111121)                502771.98
3635775.90       39.79707  (19091321)
        502821.98   3635775.90       41.08234  (19091321)                502871.98
3635775.90       39.57547  (20042421)
        502921.98   3635775.90       42.11458  (19121706)                502971.98
3635775.90       45.79933  (19121706)
        503021.98   3635775.90       41.75727  (19121706)                503071.98
3635775.90       36.28663  (21100523)
        503121.98   3635775.90       37.98316  (21100523)                503171.98
3635775.90       39.91872  (21021621)
        503221.98   3635775.90       42.50063  (21021621)                503271.98
3635775.90       42.22778  (21112718)
        503321.98   3635775.90       44.05960  (19050823)                503371.98
3635775.90       44.53653  (19050823)
        503421.98   3635775.90       42.27316  (21100603)                503471.98
3635775.90       45.93635  (20101023)
        503521.98   3635775.90       52.87601  (20120224)                503571.98
3635775.90       53.52235  (20120224)
        503621.98   3635775.90       49.03768  (20090823)                503671.98
3635775.90       49.95980  (20090823)
        503721.98   3635775.90       56.78503  (21081004)                503771.98
3635775.90       52.71316  (19102619)
        503821.98   3635775.90       57.66176  (19101219)                503871.98
3635775.90       52.42752  (19021305)
        503921.98   3635775.90       55.80203  (20071102)                503971.98
3635775.90       45.38553  (20071102)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504021.98	3635775.90	37.75972	(21061222)	504071.98	3635775.90	45.86430	(19013104)
504121.98	3635775.90	50.38099	(19122420)	504171.98	3635775.90	46.60399	(19122420)
504221.98	3635775.90	41.49713	(20092001)	504271.98	3635775.90	45.70443	(20092001)
504321.98	3635775.90	37.62594	(21060422)	504371.98	3635775.90	21.93399	(21013118)
504421.98	3635775.90	23.29913	(21013118)	504471.98	3635775.90	25.39307	(21013118)
504521.98	3635775.90	33.10292	(20121721)	504571.98	3635775.90	15.35559	(21013118)
504621.98	3635775.90	16.45977	(20092821)	504671.98	3635775.90	7.54171	(21013118)
504721.98	3635775.90	6.76977	(19031219)	504771.98	3635775.90	6.91707	(20040223)
504821.98	3635775.90	8.50769	(20040223)	504871.98	3635775.90	9.96357	(20040223)
504921.98	3635775.90	11.15095	(20011620)	504971.98	3635775.90	25.59871	(21061321)
505021.98	3635775.90	25.80874	(21061321)	505071.98	3635775.90	27.45372	(21090701)
505121.98	3635775.90	32.29578	(21090701)	505171.98	3635775.90	32.50665	(21090701)
505221.98	3635775.90	30.88373	(21081602)	502221.98	3635825.90	26.31078	(21012023)
502271.98	3635825.90	27.54044	(20122721)	502321.98	3635825.90	28.74815	(20122721)
502371.98	3635825.90	29.46569	(20070801)	502421.98	3635825.90	29.65368	(20070801)

```
        502471.98   3635825.90       27.81112  (19031105)              502521.98
3635825.90       30.29004  (20070802)
        502571.98   3635825.90       34.28494  (20070802)              502621.98
3635825.90       34.90609  (20070802)
        502671.98   3635825.90       34.99408  (21121424)              502721.98
3635825.90       36.57559  (19091321)
        502771.98   3635825.90       39.80547  (19091321)              502821.98
3635825.90       38.93986  (19071423)
        502871.98   3635825.90       40.90361  (20042421)              502921.98
3635825.90       43.65341  (19121706)
        502971.98   3635825.90       42.13350  (19121706)              503021.98
3635825.90       34.93825  (20112321)
        503071.98   3635825.90       37.66150  (21100523)              503121.98
3635825.90       36.75589  (20070104)
        503171.98   3635825.90       40.59496  (21021621)              503221.98
3635825.90       39.71839  (21112718)
        503271.98   3635825.90       39.41727  (21112718)              503321.98
3635825.90       44.31240  (19050823)
        503371.98   3635825.90       41.57925  (19050823)              503421.98
3635825.90       43.40074  (21100603)
        503471.98   3635825.90       41.51306  (20120224)              503521.98
3635825.90       51.72378  (20120224)
        503571.98   3635825.90       49.44231  (20120224)              503621.98
3635825.90       47.00115  (19072124)
        503671.98   3635825.90       48.01851  (21021806)              503721.98
3635825.90       51.72146  (21081004)
        503771.98   3635825.90       51.01505  (19101219)              503821.98
3635825.90       54.17328  (19101219)
        503871.98   3635825.90       49.76387  (19021305)              503921.98
3635825.90       52.91291  (20071102)
        503971.98   3635825.90       42.91206  (20071102)              504021.98
3635825.90       40.74420  (21061222)
        504071.98   3635825.90       49.56423  (19013104)              504121.98
3635825.90       58.19139  (19122420)
        504171.98   3635825.90       52.94653  (19122420)              504221.98
3635825.90       44.72291  (21062624)
        504271.98   3635825.90       52.23889  (20092001)              504321.98
3635825.90       42.90622  (20092001)
        504371.98   3635825.90       39.51018  (21060422)              504421.98
3635825.90       33.76153  (21013118)
        504471.98   3635825.90       34.16515  (21013118)              504521.98
3635825.90       38.63367  (20121721)
        504571.98   3635825.90       38.11686  (20121721)              504621.98
3635825.90       34.33344  (20092821)
        504671.98   3635825.90       12.78873  (19022602)              504721.98
3635825.90        6.59835  (19031219)
        504771.98   3635825.90        6.29461  (19031219)              504821.98
3635825.90        8.34120  (21121422)
        504871.98   3635825.90       21.73514  (21121422)              504921.98
3635825.90       13.97327  (21121422)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504971.98	3635825.90	24.04905	(21121422)	505021.98	3635825.90	23.79537	(21061321)
505071.98	3635825.90	24.03466	(21090701)	505121.98	3635825.90	28.38668	(21090701)
505171.98	3635825.90	31.83923	(21090701)	505221.98	3635825.90	31.40636	(21090701)
502221.98	3635875.90	29.46402	(20122721)	502271.98	3635875.90	28.80732	(20122721)
502321.98	3635875.90	27.73756	(20122721)	502371.98	3635875.90	28.41589	(20070801)
502421.98	3635875.90	27.03868	(19031105)	502471.98	3635875.90	28.53329	(20070802)
502521.98	3635875.90	31.72452	(20070802)	502571.98	3635875.90	32.89359	(20070802)
502621.98	3635875.90	34.50304	(21121424)	502671.98	3635875.90	34.96567	(21121424)
502721.98	3635875.90	36.74825	(19091321)	502771.98	3635875.90	37.27738	(19071423)
502821.98	3635875.90	38.59453	(20042421)	502871.98	3635875.90	39.39004	(19121706)
502921.98	3635875.90	42.20006	(19121706)	502971.98	3635875.90	36.00474	(19121706)
503021.98	3635875.90	35.35333	(21100523)	503071.98	3635875.90	36.16179	(21100523)
503121.98	3635875.90	38.04723	(21021621)	503171.98			

3635875.90 39.09745 (21021621)
503221.98 3635875.90 38.76298 (21112718) 503271.98
3635875.90 39.59368 (19050823)
503321.98 3635875.90 42.51060 (19050823) 503371.98
3635875.90 41.19119 (21100603)
503421.98 3635875.90 42.27627 (21100603) 503471.98
3635875.90 43.75211 (20120224)
503521.98 3635875.90 46.77265 (20120224) 503571.98
3635875.90 47.47069 (19072124)
503621.98 3635875.90 43.41343 (19072124) 503671.98
3635875.90 45.97757 (21021806)
503721.98 3635875.90 48.66826 (21081004) 503771.98
3635875.90 48.66005 (19101219)
503821.98 3635875.90 50.01697 (19101219) 503871.98
3635875.90 46.61411 (21012024)
503921.98 3635875.90 48.87617 (20071102) 503971.98
3635875.90 40.63298 (20071102)
504021.98 3635875.90 41.08642 (21061222) 504071.98
3635875.90 46.43576 (19013104)
504121.98 3635875.90 54.90358 (19122420) 504171.98
3635875.90 56.54033 (19122420)
504221.98 3635875.90 49.49415 (21062624) 504271.98
3635875.90 52.27213 (20092001)
504321.98 3635875.90 49.43872 (20092001) 504371.98
3635875.90 47.56722 (21060422)
504421.98 3635875.90 41.93501 (21060422) 504471.98
3635875.90 35.30162 (21013118)
504521.98 3635875.90 36.00592 (19012903) 504571.98
3635875.90 39.55602 (20121721)
504621.98 3635875.90 37.21464 (20121721) 504671.98
3635875.90 33.10072 (20092821)
504721.98 3635875.90 6.63252 (21013118) 504771.98
3635875.90 6.18447 (19031219)
504821.98 3635875.90 12.71276 (21121422) 504871.98
3635875.90 15.94777 (21121422)
504921.98 3635875.90 20.07161 (21121422) 504971.98
3635875.90 28.31146 (21121422)
505021.98 3635875.90 21.91486 (21061321) 505071.98
3635875.90 21.60000 (21061321)
505121.98 3635875.90 23.78101 (21090701) 505171.98
3635875.90 28.41347 (21090701)
505221.98 3635875.90 31.20764 (21090701) 502221.98
3635925.90 31.05698 (20122721)
502271.98 3635925.90 28.19899 (20122721) 502321.98
3635925.90 26.25212 (19031105)
502371.98 3635925.90 25.72653 (19031105) 502421.98
3635925.90 26.74958 (20070802)
502471.98 3635925.90 30.19326 (20070802) 502521.98
3635925.90 30.12685 (20070802)
502571.98 3635925.90 33.28967 (21121424) 502621.98

3635925.90 34.46774 (21121424)
  502671.98 3635925.90 33.00364 (19091321) 502721.98
3635925.90 34.03008 (19071423)
  502771.98 3635925.90 35.92468 (20042421) 502821.98
3635925.90 37.09724 (20042421)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502871.98	3635925.90	39.48689	(19121706)	502921.98	3635925.90	37.37539	(19121706)
502971.98	3635925.90	31.58223	(21100523)	503021.98	3635925.90	35.08808	(21100523)
503071.98	3635925.90	34.47825	(20070104)	503121.98	3635925.90	38.04337	(21021621)
503171.98	3635925.90	36.43818	(21112718)	503221.98	3635925.90	36.75673	(21112718)
503271.98	3635925.90	40.32471	(19050823)	503321.98	3635925.90	40.11147	(19050823)
503371.98	3635925.90	41.18940	(21100603)	503421.98	3635925.90	40.08465	(21100603)
503471.98	3635925.90	43.66420	(20120224)	503521.98	3635925.90	44.70354	(20120224)
503571.98	3635925.90	45.75915	(19072124)	503621.98	3635925.90	42.00826	(21021806)
503671.98	3635925.90	43.95912	(21021806)	503721.98	3635925.90	43.56295	(21081004)
503771.98	3635925.90	43.96456	(19101219)	503821.98	3635925.90	45.30881	(19101219)

503871.98 3635925.90 44.63321 (21012024) 503921.98
3635925.90 46.53571 (20071102)
503971.98 3635925.90 38.32659 (20071102) 504021.98
3635925.90 38.05643 (21061222)
504071.98 3635925.90 43.68450 (21061222) 504121.98
3635925.90 50.62416 (19122420)
504171.98 3635925.90 54.22591 (19122420) 504221.98
3635925.90 45.09906 (21062624)
504271.98 3635925.90 47.70374 (20092001) 504321.98
3635925.90 49.99088 (20092001)
504371.98 3635925.90 48.71083 (21060422) 504421.98
3635925.90 47.30662 (21060422)
504471.98 3635925.90 40.79608 (21070824) 504521.98
3635925.90 40.83641 (19012903)
504571.98 3635925.90 39.88573 (20121721) 504621.98
3635925.90 37.03698 (20121721)
504671.98 3635925.90 34.41148 (20092821) 504721.98
3635925.90 30.38049 (20092821)
504771.98 3635925.90 24.47887 (19022602) 504821.98
3635925.90 5.77843 (19031219)
504871.98 3635925.90 7.54896 (21121422) 504921.98
3635925.90 12.55827 (21121422)
504971.98 3635925.90 30.90182 (21121422) 505021.98
3635925.90 26.46697 (21121422)
505071.98 3635925.90 24.56135 (21061321) 505121.98
3635925.90 22.53435 (21061321)
505171.98 3635925.90 24.15180 (21090701) 505221.98
3635925.90 31.21112 (21090701)
502221.98 3635975.90 30.44978 (20122721) 502271.98
3635975.90 27.14027 (19031105)
502321.98 3635975.90 26.76614 (19031105) 502371.98
3635975.90 25.23270 (20040823)
502421.98 3635975.90 27.98148 (20070802) 502471.98
3635975.90 29.21192 (20070802)
502521.98 3635975.90 32.09529 (21121424) 502571.98
3635975.90 32.94096 (21121424)
502621.98 3635975.90 31.42222 (21121424) 502671.98
3635975.90 30.82516 (19091321)
502721.98 3635975.90 31.35042 (19071423) 502771.98
3635975.90 35.11130 (20042421)
502821.98 3635975.90 38.12004 (19121706) 502871.98
3635975.90 36.96414 (19121706)
502921.98 3635975.90 30.73499 (19121706) 502971.98
3635975.90 32.25001 (21100523)
503021.98 3635975.90 33.17880 (21100523) 503071.98
3635975.90 35.49275 (21021621)
503121.98 3635975.90 36.38414 (21021621) 503171.98
3635975.90 35.99334 (21112718)
503221.98 3635975.90 35.63368 (19050823) 503271.98
3635975.90 39.64567 (19050823)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503821.98	3635975.90	41.86843	(21041324)	503871.98	3635975.90	43.19270	(21012024)
503921.98	3635975.90	44.09337	(20071102)	503971.98	3635975.90	36.58248	(20071102)
504021.98	3635975.90	33.90967	(21061222)	504071.98	3635975.90	38.31555	(19013104)
504121.98	3635975.90	44.52498	(19122420)	504171.98	3635975.90	48.09170	(19122420)
504221.98	3635975.90	40.85400	(19122420)	504271.98	3635975.90	41.24810	(20092001)
504321.98	3635975.90	45.54250	(20092001)	504371.98	3635975.90	41.77318	(21060422)
504421.98	3635975.90	44.02033	(21060422)	504471.98	3635975.90	39.50988	(21013118)
504521.98	3635975.90	39.86496	(19012903)	504571.98			

3635975.90 42.95980 (19012903)
504621.98 3635975.90 47.27815 (20121721) 504671.98
3635975.90 42.64959 (20121721)
504721.98 3635975.90 39.63722 (20092821) 504771.98
3635975.90 30.73243 (20092821)
504821.98 3635975.90 31.28360 (19022602) 504871.98
3635975.90 28.82800 (19022602)
504921.98 3635975.90 19.25804 (21121422) 504971.98
3635975.90 31.49996 (21121422)
505021.98 3635975.90 29.35828 (21121422) 505071.98
3635975.90 23.64223 (21121422)
505121.98 3635975.90 23.58760 (21061321) 505171.98
3635975.90 22.56616 (21061321)
505221.98 3635975.90 24.27283 (21090701) 501721.98
3632475.90 3.93911 (19010119)
501821.98 3632475.90 3.66842 (19010119) 501921.98
3632475.90 3.27171 (19010119)
502021.98 3632475.90 2.78768 (19010119) 502121.98
3632475.90 4.27174 (21030103)
502221.98 3632475.90 6.28522 (21030103) 502321.98
3632475.90 8.41819 (21030103)
502421.98 3632475.90 10.09657 (21030103) 502521.98
3632475.90 10.68136 (21030103)
502621.98 3632475.90 13.78852 (20121603) 502721.98
3632475.90 16.00816 (20121603)
502821.98 3632475.90 15.24307 (20121603) 502921.98
3632475.90 24.58422 (20092124)
503021.98 3632475.90 27.27440 (20092124) 503121.98
3632475.90 26.17489 (20082723)
503221.98 3632475.90 28.93341 (20082723) 503321.98
3632475.90 29.89028 (19081924)
503421.98 3632475.90 35.05842 (19081924) 503721.98
3632475.90 34.81477 (20050102)
503821.98 3632475.90 36.69080 (21020203) 503921.98
3632475.90 26.96668 (20032924)
504021.98 3632475.90 32.38715 (20082921) 504121.98
3632475.90 26.20769 (20081802)
504221.98 3632475.90 30.98881 (20022622) 504321.98
3632475.90 30.28046 (21011302)
504421.98 3632475.90 28.29939 (19102905) 504521.98
3632475.90 29.48886 (20022403)
504621.98 3632475.90 29.19463 (21011620) 504721.98
3632475.90 26.02020 (21013021)
504821.98 3632475.90 26.97599 (21120723) 504921.98
3632475.90 25.97612 (20112022)
505021.98 3632475.90 25.97893 (21011323) 505121.98
3632475.90 24.78214 (20011902)
505221.98 3632475.90 24.30328 (19022705) 505321.98
3632475.90 23.26202 (20121007)
505421.98 3632475.90 22.22491 (21011520) 505521.98

3632475.90   21.45681 (21010522)
        505621.98   3632475.90   21.01379 (20122923)   505721.98
3632475.90   20.12301 (21010401)
        501721.98   3632575.90   4.40748 (19010119)   501821.98
3632575.90   4.31146 (19010119)
        501921.98   3632575.90   4.04397 (19010119)   502021.98
3632575.90   3.62325 (19010119)
        502121.98   3632575.90   3.08956 (19010119)   502221.98
3632575.90   4.78461 (21030103)
        502321.98   3632575.90   7.07493 (21030103)   502421.98
3632575.90   9.43601 (21030103)
        502521.98   3632575.90   11.14675 (21030103)   502621.98
3632575.90   11.95959 (20121603)
        502721.98   3632575.90   15.92431 (20121603)   502821.98
3632575.90   17.39130 (20121603)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER   ***
                                 INCLUDING SOURCE(S):   L0000928   , L0000929 , L0000930   , L0000931   , L0000932   ,
                 L0000933   , L0000934   , L0000935   , L0000936   , L0000937 ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

504121.98 3632575.90 29.55766 (20082519) 504221.98 3632575.90 33.99884 (20022622)
504321.98 3632575.90 32.74662 (21011302) 504421.98 3632575.90 31.49961 (21022205)
504521.98 3632575.90 32.07111 (20022403) 504621.98 3632575.90 29.85634 (20052501)
504721.98 3632575.90 29.69059 (20042404) 504821.98 3632575.90 28.61970 (20101423)
504921.98 3632575.90 27.88771 (21022020) 505021.98 3632575.90 27.29837 (21010102)
505121.98 3632575.90 26.09606 (21022803) 505221.98 3632575.90 25.76241 (21021820)
505321.98 3632575.90 25.00010 (21011520) 505421.98 3632575.90 23.66870 (21010522)
505521.98 3632575.90 22.77972 (20122923) 505621.98 3632575.90 21.55323 (21010401)
505721.98 3632575.90 21.31679 (21022502) 501721.98 3632675.90 4.85128 (21111004)
501821.98 3632675.90 4.78267 (19010119) 501921.98 3632675.90 4.73039 (19010119)
502021.98 3632675.90 4.47664 (19010119) 502121.98 3632675.90 4.03072 (19010119)
502221.98 3632675.90 3.44025 (19010119) 502321.98 3632675.90 5.38878 (21030103)
502421.98 3632675.90 8.00699 (21030103) 502521.98 3632675.90 10.61834 (21030103)
502621.98 3632675.90 12.31206 (21030103) 502721.98 3632675.90 14.35981 (20121603)
502821.98 3632675.90 24.21583 (20121603) 502921.98 3632675.90 26.90718 (20121603)
503021.98 3632675.90 39.83470 (20092124) 503721.98 3632675.90 32.29481 (20092319)
503821.98 3632675.90 36.99794 (21020203) 503921.98 3632675.90 31.83413 (20032924)
504021.98 3632675.90 33.70507 (20110207) 504121.98 3632675.90 33.47848 (20082519)
504221.98 3632675.90 35.03533 (20022622) 504321.98 3632675.90 32.31314 (21011302)
504421.98 3632675.90 34.44651 (21022205) 504521.98 3632675.90 33.94849 (21011620)
504621.98 3632675.90 32.24631 (21013021) 504721.98 3632675.90 31.93244 (21120723)
504821.98 3632675.90 30.22507 (20112022) 504921.98 3632675.90 29.79701 (21120804)
505021.98 3632675.90 28.82378 (20011902) 505121.98 3632675.90 27.74126 (21021820)
505221.98 3632675.90 27.28282 (21011520) 505321.98 3632675.90 25.77258 (21010522)
505421.98 3632675.90 24.64944 (20122923) 505521.98 3632675.90 23.17233 (20100121)

```
        505621.98   3632675.90       22.98783  (21022502)                505721.98
3632675.90       21.44922  (21010602)
        502421.98   3632775.90        6.10252  (21030103)                502521.98
3632775.90       22.82514  (20122620)
        502621.98   3632775.90       20.76095  (20122620)                502721.98
3632775.90       13.59465  (21030103)
        502821.98   3632775.90       26.66317  (21031822)                502921.98
3632775.90       36.64725  (20121603)
        503021.98   3632775.90       32.62701  (20090724)                503121.98
3632775.90       43.08435  (20090205)
        503221.98   3632775.90       34.70352  (20090205)                503621.98
3632775.90       47.15458  (19110606)
        503721.98   3632775.90       35.79988  (19101521)                503821.98
3632775.90       37.65837  (20050102)
        503921.98   3632775.90       34.19238  (20032924)                504021.98
3632775.90       37.48641  (20082921)
        504121.98   3632775.90       36.51993  (20082519)                504221.98
3632775.90       38.68408  (21013120)
        504321.98   3632775.90       33.88214  (19102905)                504421.98
3632775.90       37.61619  (20022403)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 631
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                 INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                 L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        504521.98   3632775.90       36.25569  (21011620)                504621.98
3632775.90       34.71071  (20042404)
        504721.98   3632775.90       33.58298  (20101423)                504821.98
3632775.90       32.88446  (21011323)
        504921.98   3632775.90       31.58466  (21010102)                505021.98
```

```
3632775.90       30.67978  (19022705)
        505121.98   3632775.90       28.95308  (20121007)                505221.98
3632775.90       27.62928  (21010522)
        505321.98   3632775.90       26.58868  (20122923)                505421.98
3632775.90       25.12131  (20100121)
        505521.98   3632775.90       24.87251  (21022502)                505621.98
3632775.90       23.09115  (20021702)
        505721.98   3632775.90       23.30150  (20020804)                501721.98
3632875.90        7.09788  (21111004)
        501821.98   3632875.90        6.92903  (21111004)                501921.98
3632875.90        6.44834  (21111004)
        502021.98   3632875.90        5.68226  (21111004)                502121.98
3632875.90        5.74102  (19010119)
        502221.98   3632875.90        5.54148  (19010119)                502321.98
3632875.90        5.06104  (19010119)
        502421.98   3632875.90        4.34501  (19010119)                502521.98
3632875.90        6.96852  (21030103)
        502621.98   3632875.90       10.44880  (21030103)                502721.98
3632875.90       13.60810  (21030103)
        502821.98   3632875.90       26.50511  (21030103)                502921.98
3632875.90       32.57503  (20121603)
        503021.98   3632875.90       29.04642  (20121603)                503121.98
3632875.90       36.10774  (20090205)
        503221.98   3632875.90       42.84039  (20092124)                503321.98
3632875.90       39.64274  (20102407)
        503421.98   3632875.90       43.70514  (20111701)                503621.98
3632875.90       50.97174  (19110606)
        503721.98   3632875.90       41.97494  (19101521)                503821.98
3632875.90       41.30094  (20050102)
        503921.98   3632875.90       39.59583  (20032924)                504021.98
3632875.90       37.55032  (20110207)
        504121.98   3632875.90       40.37281  (20082519)                504221.98
3632875.90       43.33754  (21013120)
        504321.98   3632875.90       39.96308  (19102905)                504421.98
3632875.90       41.68039  (20022403)
        504521.98   3632875.90       39.15896  (21013021)                504621.98
3632875.90       38.09385  (21120723)
        504721.98   3632875.90       35.29297  (20112022)                504821.98
3632875.90       34.60379  (21120804)
        504921.98   3632875.90       32.86102  (21022803)                505021.98
3632875.90       31.85437  (20121007)
        505121.98   3632875.90       30.34642  (19121906)                505221.98
3632875.90       28.98281  (19122301)
        505321.98   3632875.90       27.22848  (20100121)                505421.98
3632875.90       27.02911  (21022502)
        505521.98   3632875.90       25.66612  (20021702)                505621.98
3632875.90       25.08032  (20020804)
        505721.98   3632875.90       23.87703  (21012402)                501721.98
3632975.90        7.46033  (21111004)
        501821.98   3632975.90        7.79298  (21111004)                501921.98
```

3632975.90   7.79750 (21111004)
        502021.98   3632975.90   7.42617 (21111004)   502121.98
3632975.90   6.67986 (21111004)
        505321.98   3632975.90   29.47113 (21022502)   505421.98
3632975.90   28.46690 (20021702)
        505521.98   3632975.90   26.82171 (20020804)   505621.98
3632975.90   25.81035 (21012402)
        505721.98   3632975.90   24.76897 (20022406)   501721.98
3633075.90   7.06030 (21111004)
        501821.98   3633075.90   7.87947 (21111004)   501921.98
3633075.90   8.47513 (21111004)
        502021.98   3633075.90   8.72130 (21111004)   502121.98
3633075.90   8.53129 (21111004)
        505321.98   3633075.90   31.59433 (20021702)   505421.98
3633075.90   28.83111 (20011323)
        505521.98   3633075.90   27.21628 (21012402)   505621.98
3633075.90   26.65012 (20022406)
        505721.98   3633075.90   24.78228 (21121121)   501721.98
3633175.90   5.96832 (21111004)
        501821.98   3633175.90   7.10505 (21111004)   501921.98
3633175.90   8.19327 (21111004)
        502021.98   3633175.90   9.10506 (21111004)   502121.98
3633175.90   9.66254 (21111004)
        505321.98   3633175.90   31.94682 (20011323)   505421.98
3633175.90   30.26960 (20121620)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ENTER   ***
                                   INCLUDING SOURCE(S):   L0000928   , L0000929
, L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -

```
        505521.98   3633175.90       28.23330  (19010903)                505621.98
3633175.90       26.47121  (21120121)
        505721.98   3633175.90       25.40727  (21021801)                501721.98
3633275.90        5.42514  (21012320)
        501821.98   3633275.90        5.66161  (21111004)                501921.98
3633275.90        6.98344  (21111004)
        502021.98   3633275.90        8.35524  (21111004)                502121.98
3633275.90        9.61674  (21111004)
        505321.98   3633275.90       33.94969  (20022406)                505421.98
3633275.90       30.82529  (21121121)
        505521.98   3633275.90       29.30906  (21120121)                505621.98
3633275.90       27.44323  (21011022)
        505721.98   3633275.90       26.22317  (21122302)                501721.98
3633375.90        8.59203  (21012320)
        501821.98   3633375.90        7.70726  (21012320)                501921.98
3633375.90        6.63385  (21012320)
        502021.98   3633375.90        6.64755  (21111004)                502121.98
3633375.90        8.28299  (21111004)
        505321.98   3633375.90       33.95090  (21121121)                505421.98
3633375.90       32.15478  (21021801)
        505521.98   3633375.90       30.17782  (20021024)                505621.98
3633375.90       28.96857  (21122302)
        505721.98   3633375.90       27.76220  (21010408)                501721.98
3633475.90       11.46689  (21012320)
        501821.98   3633475.90       11.16911  (21012320)                501921.98
3633475.90       10.53325  (21012320)
        502021.98   3633475.90        9.54758  (21012320)                502121.98
3633475.90        8.25113  (21012320)
        505321.98   3633475.90       35.23085  (21011022)                505421.98
3633475.90       34.68003  (21122302)
        505521.98   3633475.90       32.07585  (21010408)                505621.98
3633475.90       29.72652  (21011720)
        505721.98   3633475.90       27.44564  (21011221)                501721.98
3633575.90       12.71499  (21012320)
        501821.98   3633575.90       13.36270  (21012320)                501921.98
3633575.90       13.68740  (21012320)
        502021.98   3633575.90       13.60231  (21012320)                502121.98
3633575.90       13.11531  (21012320)
        505321.98   3633575.90       36.96518  (21010408)                505421.98
3633575.90       35.10885  (21011720)
        505521.98   3633575.90       32.37912  (20121406)                505621.98
3633575.90       29.63057  (20021305)
        505721.98   3633575.90       28.66927  (20021723)                501721.98
3633675.90       11.58865  (21012320)
        501821.98   3633675.90       13.00210  (21012320)                501921.98
3633675.90       14.36780  (21012320)
        502021.98   3633675.90       15.54972  (21012320)                502121.98
3633675.90       16.44144  (21012320)
        505321.98   3633675.90       38.66667  (20121406)                505421.98
3633675.90       35.28019  (20021305)
```

```
        505521.98   3633675.90       33.60759  (19011606)                505621.98
3633675.90       30.65611  (19011606)
        505721.98   3633675.90       29.69689  (19121305)                501721.98
3633775.90        8.58851  (21012320)
        501821.98   3633775.90       10.20087  (21012320)                501921.98
3633775.90       12.00458  (21012320)
        502021.98   3633775.90       13.95410  (21012320)                502121.98
3633775.90       15.95347  (21012320)
        505321.98   3633775.90       40.33492  (19011606)                505421.98
3633775.90       35.82047  (20012223)
        505521.98   3633775.90       33.06111  (21022322)                505621.98
3633775.90       31.25835  (19011923)
        505721.98   3633775.90       29.05087  (19012803)                501721.98
3633875.90        9.71807  (19083104)
        501821.98   3633875.90        9.87039  (19083104)                501921.98
3633875.90        9.89678  (19083104)
        502021.98   3633875.90        9.86472  (19083104)                502121.98
3633875.90       11.88799  (21012320)
        505321.98   3633875.90       39.81670  (19011923)                505421.98
3633875.90       36.53950  (19012803)
        505521.98   3633875.90       33.99464  (21121821)                505621.98
3633875.90       31.58342  (20121224)
        505721.98   3633875.90       29.47581  (20020703)                501721.98
3633975.90       11.03425  (19083104)
        501821.98   3633975.90       11.68823  (19083104)                501921.98
3633975.90       12.33164  (19083104)
        502021.98   3633975.90       12.93808  (19083104)                502121.98
3633975.90       13.50550  (19083104)
        505321.98   3633975.90       39.58704  (20121224)                505421.98
3633975.90       36.34130  (20020703)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 633
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
                                  INCLUDING SOURCE(S):     L0000928    , L0000929
, L0000930    , L0000931    , L0000932    ,
                L0000933    , L0000934    , L0000935    , L0000936    , L0000937
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633975.90	33.09895	(21022324)	505621.98	3633975.90	31.01294	(20122520)
505721.98	3633975.90	30.46746	(21122121)	501721.98	3634075.90	10.13330	(19083104)
501821.98	3634075.90	11.06839	(19083104)	501921.98	3634075.90	12.08813	(19083104)
502021.98	3634075.90	13.19387	(19083104)	502121.98	3634075.90	14.38582	(19083104)
505321.98	3634075.90	40.95396	(20121803)	505421.98	3634075.90	38.24246	(20121803)
505521.98	3634075.90	34.87723	(21122201)	505621.98	3634075.90	33.05372	(21122201)
505721.98	3634075.90	30.36045	(19021906)	501721.98	3634175.90	8.11696	(20022619)
501821.98	3634175.90	8.61268	(20022619)	501921.98	3634175.90	9.27953	(19083104)
502021.98	3634175.90	10.31973	(19083104)	502121.98	3634175.90	11.57546	(19083104)
505321.98	3634175.90	40.39562	(20013123)	505421.98	3634175.90	38.56969	(20013123)
505521.98	3634175.90	36.72124	(20013123)	505621.98	3634175.90	32.30233	(20013123)
505721.98	3634175.90	29.04411	(21121920)	501721.98	3634275.90	9.33200	(21021102)
501821.98	3634275.90	9.93858	(21021102)	501921.98	3634275.90	10.60864	(21021102)
502021.98	3634275.90	11.34285	(21021102)	502121.98	3634275.90	12.17475	(21021102)
505321.98	3634275.90	43.47745	(20092120)	505421.98	3634275.90	41.90127	(19122101)
505521.98	3634275.90	35.30270	(19122101)	505621.98	3634275.90	32.60452	(19122101)
505721.98	3634275.90	30.21361	(19122101)	501721.98	3634375.90	13.14338	(21021102)
501821.98	3634375.90	14.11262	(21021102)	501921.98	3634375.90	15.12809	(21021102)
502021.98	3634375.90	16.29396	(21021102)	502121.98	3634375.90	17.67165	(21021102)
505321.98	3634375.90	43.36693	(20082306)	505421.98	3634375.90	39.69408	(20082306)
505521.98	3634375.90	32.67621	(21101921)	505621.98	3634375.90	30.75425	(21101921)
505721.98	3634375.90	28.88372	(21101921)	501721.98	3634475.90	14.00829	(21021102)
501821.98	3634475.90	14.86974	(21021102)	501921.98			

3634475.90   15.78771 (21021102)
        502021.98   3634475.90   16.80268 (21021102)   502121.98
3634475.90   17.84995 (21021102)
        505321.98   3634475.90   51.57114 (20041201)   505421.98
3634475.90   52.09545 (20041201)
        505521.98   3634475.90   43.42400 (20041201)   505621.98
3634475.90   34.14998 (20041201)
        505721.98   3634475.90   29.31649 (21013119)   501721.98
3634575.90   11.29425 (21021102)
        501821.98   3634575.90   11.62972 (21021102)   501921.98
3634575.90   11.95203 (21021102)
        502021.98   3634575.90   12.26274 (21021102)   502121.98
3634575.90   12.67048 (19101801)
        505321.98   3634575.90   44.84122 (20081806)   505421.98
3634575.90   44.59417 (20081806)
        505521.98   3634575.90   37.50325 (20081806)   505621.98
3634575.90   30.82921 (20041201)
        505721.98   3634575.90   26.08746 (21090306)   501721.98
3634675.90   9.47816 (19101801)
        501821.98   3634675.90   10.31725 (19050903)   501921.98
3634675.90   11.72950 (19050903)
        502021.98   3634675.90   13.31229 (19050903)   502121.98
3634675.90   14.98056 (19050903)
        505321.98   3634675.90   36.55690 (19022319)   505421.98
3634675.90   43.03531 (21032601)
        505521.98   3634675.90   44.33875 (21032601)   505621.98
3634675.90   41.24580 (20081806)
        505721.98   3634675.90   34.73161 (20081806)   501721.98
3634775.90   11.76351 (19050903)
        501821.98   3634775.90   12.89121 (19050903)   501921.98
3634775.90   13.98905 (19050903)
        502021.98   3634775.90   15.07848 (19050903)   502121.98
3634775.90   16.03549 (19050903)
        505321.98   3634775.90   34.95053 (19030607)   505421.98
3634775.90   39.95953 (20081401)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER   ***
                                   INCLUDING SOURCE(S):   L0000928   , L0000929 , L0000930   , L0000931   , L0000932   ,
                L0000933   , L0000934   , L0000935   , L0000936   , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3634775.90	38.18448	(20081401)	505621.98	3634775.90	36.45396	(19022319)
505721.98	3634775.90	33.11477	(19022319)	501721.98	3634875.90	12.12369	(19050903)
501821.98	3634875.90	12.59079	(19050903)	501921.98	3634875.90	12.87760	(19050903)
502021.98	3634875.90	12.94387	(19050903)	502121.98	3634875.90	12.74639	(19050903)
505321.98	3634875.90	38.26544	(20121617)	505421.98	3634875.90	35.28226	(19042006)
505521.98	3634875.90	36.34642	(19042006)	505621.98	3634875.90	33.78784	(20081401)
505721.98	3634875.90	30.39134	(20081401)	501721.98	3634975.90	9.99527	(19050903)
501821.98	3634975.90	9.70968	(19050903)	501921.98	3634975.90	9.22626	(19050903)
502021.98	3634975.90	8.65869	(19022707)	502121.98	3634975.90	9.82469	(19022707)
505321.98	3634975.90	43.01963	(20082106)	505421.98	3634975.90	37.04803	(19022007)
505521.98	3634975.90	33.88536	(19022007)	505621.98	3634975.90	27.13149	(19022007)
505721.98	3634975.90	29.55285	(19042006)	501721.98	3635075.90	6.98475	(19022707)
501821.98	3635075.90	7.84718	(19022707)	501921.98	3635075.90	30.54096	(21112918)
502021.98	3635075.90	30.03593	(21112918)	502121.98	3635075.90	12.33624	(20021724)
505321.98	3635075.90	46.53956	(20092620)	505421.98	3635075.90	35.28649	(21122806)
505521.98	3635075.90	34.48146	(20010802)	505621.98	3635075.90	30.38557	(19022007)
505721.98	3635075.90	29.64589	(19022007)	501721.98	3635175.90	27.70234	(21112918)
501821.98	3635175.90	25.97328	(21112918)	501921.98	3635175.90	33.45279	(19122123)
502021.98	3635175.90	33.86753	(20021924)	502121.98	3635175.90	14.88681	(21011719)
505321.98	3635175.90	32.94008	(19030707)	505421.98	3635175.90	31.39239	(19030707)

```
        505521.98   3635175.90       25.64396  (21122806)                505621.98
3635175.90       25.39580  (21122806)
        505721.98   3635175.90       27.52875  (20010802)                501721.98
3635275.90       31.14015  (20021924)
        501821.98   3635275.90       34.68856  (20021924)                501921.98
3635275.90       36.88477  (19012720)
        502021.98   3635275.90       35.83963  (19012720)                502121.98
3635275.90       38.83615  (21011719)
        505621.98   3635275.90       22.03674  (20011806)                505721.98
3635275.90       21.20033  (20011806)
        501721.98   3635375.90       29.75013  (19012720)                501821.98
3635375.90       31.00583  (19012720)
        501921.98   3635375.90       31.42967  (21011719)                502021.98
3635375.90       34.32242  (19111006)
        502121.98   3635375.90       31.20471  (21011719)                505621.98
3635375.90        8.72665  (21071520)
        501721.98   3635475.90       26.51081  (21011719)                501821.98
3635475.90       28.75254  (21011719)
        501921.98   3635475.90       31.13352  (19111006)                502021.98
3635475.90       31.21703  (21111519)
        502121.98   3635475.90       34.69848  (21052423)                505621.98
3635475.90        9.79872  (21071520)
        505721.98   3635475.90        8.49284  (21071520)                501721.98
3635575.90       24.01159  (21011719)
        501821.98   3635575.90       22.24599  (19111006)                501921.98
3635575.90       29.71288  (21052423)
        502021.98   3635575.90       30.48123  (21052423)                502121.98
3635575.90       30.81006  (19013101)
        505321.98   3635575.90       24.52813  (21012617)                505421.98
3635575.90       15.72920  (21012617)
        505521.98   3635575.90       12.49242  (21012617)                505621.98
3635575.90        9.76295  (21071520)
        505721.98   3635575.90        9.14312  (21071520)                501721.98
3635675.90       23.36820  (19120317)
        501821.98   3635675.90       25.09258  (19013101)                501921.98
3635675.90       29.12882  (19013101)
        502021.98   3635675.90       28.68192  (19013101)                502121.98
3635675.90       31.79753  (20122320)
        505321.98   3635675.90       30.01141  (21122618)                505421.98
3635675.90       16.05813  (21012617)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE 635
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ENTER    ***
```

INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3635675.90	14.55005	(21012617)	505621.98	3635675.90	11.91170	(21012617)
505721.98	3635675.90	8.94819	(21012617)	501721.98	3635775.90	26.31978	(19013101)
501821.98	3635775.90	29.01750	(19013101)	501921.98	3635775.90	26.53954	(20022207)
502021.98	3635775.90	30.56971	(20122320)	502121.98	3635775.90	31.37259	(21012023)
505321.98	3635775.90	35.68695	(21122618)	505421.98	3635775.90	29.87324	(21122618)
505521.98	3635775.90	22.49047	(20091421)	505621.98	3635775.90	18.31492	(19102623)
505721.98	3635775.90	23.90947	(19102623)	501721.98	3635875.90	24.98261	(19013101)
501821.98	3635875.90	27.04045	(20122320)	501921.98	3635875.90	29.25269	(20122320)
502021.98	3635875.90	30.90255	(21012023)	502121.98	3635875.90	28.53198	(21012023)
505321.98	3635875.90	34.82633	(21081602)	505421.98	3635875.90	32.45320	(21122618)
505521.98	3635875.90	27.30670	(21122618)	505621.98	3635875.90	21.10500	(20091421)
505721.98	3635875.90	17.92428	(19102623)	501721.98	3635975.90	24.94776	(20122320)
501821.98	3635975.90	26.32860	(20122320)	501921.98	3635975.90	29.23527	(21012023)
502021.98	3635975.90	25.20834	(21012023)	502121.98	3635975.90	29.45735	(20122721)
505321.98	3635975.90	30.28356	(21090701)	505421.98	3635975.90	26.57200	(21081602)
505521.98	3635975.90	29.78903	(21122618)	505621.98	3635975.90	26.17706	(21122618)
505721.98	3635975.90	19.45587	(20091421)	501721.98	3636075.90	23.67346	(21012023)
501821.98	3636075.90	26.28826	(21012023)	501921.98			

```
3636075.90       21.92133  (20031920)
        502021.98   3636075.90       28.21015  (20122721)                502121.98
3636075.90       28.83535  (20122721)
        502221.98   3636075.90       27.39523  (19031105)                502321.98
3636075.90       24.04560  (20040823)
        502421.98   3636075.90       29.34566  (21121424)                502521.98
3636075.90       31.07008  (21121424)
        502621.98   3636075.90       28.90311  (19112801)                502721.98
3636075.90       33.85120  (19121706)
        502821.98   3636075.90       33.37664  (19121706)                502921.98
3636075.90       30.15697  (21100523)
        503021.98   3636075.90       33.08511  (21021621)                503121.98
3636075.90       33.49643  (21112718)
        503221.98   3636075.90       36.75773  (19050823)                503321.98
3636075.90       36.92832  (21100603)
        503421.98   3636075.90       39.36369  (20120224)                503521.98
3636075.90       40.18969  (19072124)
        503621.98   3636075.90       40.19154  (21021806)                503721.98
3636075.90       33.44038  (19080922)
        503821.98   3636075.90       41.34869  (21041324)                503921.98
3636075.90       41.13980  (19072223)
        504021.98   3636075.90       33.24611  (19071923)                504121.98
3636075.90       42.81760  (19072224)
        504221.98   3636075.90       36.48692  (19122420)                504321.98
3636075.90       33.13680  (20092001)
        504421.98   3636075.90       33.17918  (21120218)                504521.98
3636075.90       42.04090  (21013118)
        504621.98   3636075.90       31.05289  (19111019)                504721.98
3636075.90       35.67334  (20092821)
        504821.98   3636075.90       33.53339  (21120219)                504921.98
3636075.90       33.48154  (19022602)
        505021.98   3636075.90       32.64702  (21121422)                505121.98
3636075.90       23.94789  (21121422)
        505221.98   3636075.90       21.22858  (21061321)                505321.98
3636075.90       24.91470  (21090701)
        505421.98   3636075.90       23.86866  (21090701)                505521.98
3636075.90       25.30160  (21081602)
        505621.98   3636075.90       28.98654  (21122618)                505721.98
3636075.90       23.70691  (21122618)
        501721.98   3636175.90       22.09316  (21012023)                501821.98
3636175.90       19.71019  (20031920)
        501921.98   3636175.90       26.58403  (20122721)                502021.98
3636175.90       26.60170  (20122721)
        502121.98   3636175.90       25.60123  (19031105)                502221.98
3636175.90       23.73794  (20112322)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502321.98	3636175.90	27.59186	(21121424)	502421.98	3636175.90	29.66816	(21121424)
502521.98	3636175.90	25.20716	(19112801)	502621.98	3636175.90	29.21370	(19112801)
502721.98	3636175.90	33.88039	(19121706)	502821.98	3636175.90	26.08613	(21100523)
502921.98	3636175.90	28.49803	(20070104)	503021.98	3636175.90	31.69117	(21021621)
503121.98	3636175.90	29.84192	(19070523)	503221.98	3636175.90	33.83318	(19050823)
503321.98	3636175.90	34.93792	(21100603)	503421.98	3636175.90	40.61389	(20120224)
503521.98	3636175.90	38.45854	(19072124)	503621.98	3636175.90	37.28345	(21021806)
503721.98	3636175.90	32.65065	(19080922)	503821.98	3636175.90	39.92442	(21041324)
503921.98	3636175.90	39.84312	(19072223)	504021.98	3636175.90	33.77374	(19071923)
504121.98	3636175.90	41.88432	(19072224)	504221.98	3636175.90	32.36602	(19122420)
504321.98	3636175.90	31.89105	(19050321)	504421.98	3636175.90	30.31100	(21051124)
504521.98	3636175.90	26.42097	(21052005)	504621.98	3636175.90	28.40694	(21013118)
504721.98	3636175.90	27.74942	(20121721)	504821.98	3636175.90	27.10802	(20092821)
504921.98	3636175.90	31.08164	(19022602)	505021.98	3636175.90	32.61666	(20011818)
505121.98	3636175.90	28.96118	(21121422)	505221.98	3636175.90	20.88439	(21061321)

505321.98 3636175.90 21.72604 (21061321) 505421.98 3636175.90 26.17257 (21090701)
505521.98 3636175.90 24.80168 (21090701) 505621.98 3636175.90 24.55633 (21122618)
505721.98 3636175.90 27.67004 (21122618) 501721.98 3636275.90 18.00711 (21040604)
501821.98 3636275.90 24.25022 (20122721) 501921.98 3636275.90 24.28554 (20122721)
502021.98 3636275.90 23.83619 (19031105) 502121.98 3636275.90 22.50809 (20112322)
502221.98 3636275.90 25.03961 (21121424) 502321.98 3636275.90 29.10074 (21121424)
502421.98 3636275.90 23.18722 (21121424) 502521.98 3636275.90 27.39350 (19112801)
502621.98 3636275.90 32.22887 (19121706) 502721.98 3636275.90 25.99472 (19121706)
502821.98 3636275.90 27.02524 (21100523) 502921.98 3636275.90 29.31048 (21021621)
503021.98 3636275.90 29.12907 (21112718) 503121.98 3636275.90 31.20381 (19050823)
503221.98 3636275.90 30.40628 (21100603) 503321.98 3636275.90 30.70340 (19080122)
503421.98 3636275.90 37.96083 (20120224) 503521.98 3636275.90 34.73280 (19072124)
503621.98 3636275.90 33.62372 (19051001) 503721.98 3636275.90 31.14510 (19080922)
503821.98 3636275.90 37.54932 (21041324) 503921.98 3636275.90 37.50885 (19072223)
504021.98 3636275.90 31.97326 (21031321) 504121.98 3636275.90 38.13054 (19072224)
504221.98 3636275.90 27.72709 (19070501) 504321.98 3636275.90 23.08994 (19061921)
504421.98 3636275.90 21.80952 (19050322) 504521.98 3636275.90 21.29741 (21052004)
504621.98 3636275.90 26.47117 (21013118) 504721.98 3636275.90 25.84297 (19111019)
504821.98 3636275.90 22.53936 (20050923) 504921.98 3636275.90 25.52970 (20102221)
505021.98 3636275.90 33.37655 (19022602) 505121.98 3636275.90 29.34011 (21121422)
505221.98 3636275.90 25.26801 (21121422) 505321.98 3636275.90 23.03405 (21061321)
505421.98 3636275.90 22.03648 (19010920) 505521.98 3636275.90 24.75457 (21090701)
505621.98 3636275.90 24.23442 (21090701) 505721.98 3636275.90 24.65362 (21122618)
501721.98 3636375.90 22.08168 (20122721) 501821.98 3636375.90 21.73748 (20122721)
501921.98 3636375.90 22.03104 (19031105) 502021.98 3636375.90 21.34827 (20112322)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ENTER ***
INCLUDING SOURCE(S): L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502121.98	3636375.90	22.39021	(19122519)	502221.98	3636375.90	28.03783	(21121424)
502321.98	3636375.90	23.70360	(21121424)	502421.98	3636375.90	25.97592	(19112801)
502521.98	3636375.90	28.97491	(19121706)	502621.98	3636375.90	28.05178	(19121706)
502721.98	3636375.90	24.56208	(21100523)	502821.98	3636375.90	25.81737	(20070104)
502921.98	3636375.90	27.83432	(21021621)	503021.98	3636375.90	26.72611	(21112718)
503121.98	3636375.90	29.69112	(19050823)	503221.98	3636375.90	29.61594	(21100603)
503321.98	3636375.90	27.93408	(19080122)	503421.98	3636375.90	32.66417	(20120224)
503521.98	3636375.90	29.83161	(20052321)	503621.98	3636375.90	31.71861	(19051001)
503721.98	3636375.90	29.16513	(19051020)	503821.98	3636375.90	34.95684	(21041324)
503921.98	3636375.90	34.17893	(19072223)	504021.98	3636375.90	29.37396	(21031321)
504121.98	3636375.90	33.10372	(19072224)	504221.98	3636375.90	23.94605	(19072224)
504321.98	3636375.90	21.92369	(19061921)	504421.98	3636375.90	20.37388	(19061521)
504521.98	3636375.90	19.93897	(20031823)	504621.98			

3636375.90 25.02336 (21013118)
504721.98 3636375.90 20.59945 (19100119) 504821.98
3636375.90 18.33227 (19080523)
504921.98 3636375.90 19.31790 (20102221) 505021.98
3636375.90 22.89046 (21033020)
505121.98 3636375.90 28.86839 (19022602) 505221.98
3636375.90 30.39948 (21121422)
505321.98 3636375.90 22.53849 (21121422) 505421.98
3636375.90 22.45609 (21061321)
505521.98 3636375.90 20.85373 (19010920) 505621.98
3636375.90 25.18693 (21090701)
505721.98 3636375.90 23.28619 (21090701) 501721.98
3636475.90 18.60484 (20122721)
501821.98 3636475.90 19.02945 (19031105) 501921.98
3636475.90 19.89469 (20112322)
502021.98 3636475.90 20.67916 (19122519) 502121.98
3636475.90 25.81831 (21121424)
502221.98 3636475.90 23.54518 (21121424) 502321.98
3636475.90 23.91858 (19112801)
502421.98 3636475.90 25.19890 (19121706) 502521.98
3636475.90 28.39594 (19121706)
502621.98 3636475.90 22.45767 (20040204) 502721.98
3636475.90 24.09886 (21100523)
502821.98 3636475.90 25.94359 (21021621) 502921.98
3636475.90 25.48768 (21112718)
503021.98 3636475.90 25.72615 (19050823) 503121.98
3636475.90 25.04487 (19050823)
503221.98 3636475.90 26.40499 (21100603) 503321.98
3636475.90 25.79956 (20120224)
503421.98 3636475.90 28.59035 (19072124) 503521.98
3636475.90 27.13807 (19081321)
503621.98 3636475.90 28.99004 (19051001) 503721.98
3636475.90 27.86425 (19051020)
503821.98 3636475.90 30.86872 (21041324) 503921.98
3636475.90 30.20853 (19072223)
504021.98 3636475.90 22.07215 (21031321) 504121.98
3636475.90 26.53282 (19072224)
504221.98 3636475.90 23.99968 (19072224) 504321.98
3636475.90 19.97785 (19061921)
504421.98 3636475.90 19.36159 (19061521) 504521.98
3636475.90 19.46323 (21071621)
504621.98 3636475.90 20.98811 (21013118) 504721.98
3636475.90 21.13908 (21013118)
504821.98 3636475.90 17.38252 (19081120) 504921.98
3636475.90 17.43402 (19061821)
505021.98 3636475.90 22.37925 (20102221) 505121.98
3636475.90 29.02489 (19022602)
505221.98 3636475.90 27.37268 (21121422) 505321.98
3636475.90 27.07706 (21121422)
505421.98 3636475.90 20.17270 (21061321) 505521.98

```
3636475.90       20.74045  (21061321)
        505621.98   3636475.90       20.45847  (21090701)                505721.98
3636475.90       24.07474  (21090701)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 638
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FIRE     ***
                                  INCLUDING SOURCE(S):     FIRE        ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        502721.98   3633475.90        9.71375  (19091703)                502771.98
3633475.90        9.70973  (19020407)
        502821.98   3633475.90        9.84729  (19020407)                502871.98
3633475.90       10.08152  (20021921)
        502921.98   3633475.90       10.28187  (20021921)                502971.98
3633475.90       10.44402  (21110905)
        503021.98   3633475.90       12.37806  (21030103)                503071.98
3633475.90       14.78132  (21030103)
        503121.98   3633475.90       16.38896  (21030103)                503171.98
3633475.90       16.10055  (21030103)
        503221.98   3633475.90       14.26807  (20121603)                503271.98
3633475.90       14.78592  (20121603)
        503321.98   3633475.90       15.61489  (21063005)                503371.98
3633475.90       18.93518  (21063005)
        503421.98   3633475.90       17.03534  (20090205)                503471.98
3633475.90       18.79654  (20102407)
        503521.98   3633475.90       18.26785  (20111701)                503621.98
3633475.90       17.71952  (19110606)
        503671.98   3633475.90       21.35302  (19110606)                503721.98
3633475.90       18.73014  (19101521)
        503771.98   3633475.90       19.61513  (20050102)                503821.98
3633475.90       17.93646  (20082921)
        503871.98   3633475.90       20.25024  (20082921)                503921.98
3633475.90       19.63068  (20082921)
        503971.98   3633475.90       17.72039  (20022622)                504021.98
```

3633475.90 16.28334 (20080921)
504071.98 3633475.90 16.65354 (19102905) 504121.98
3633475.90 17.78789 (19102905)
504171.98 3633475.90 17.15054 (20081021) 504221.98
3633475.90 18.08540 (21013021)
504271.98 3633475.90 17.98373 (20073022) 504321.98
3633475.90 16.88425 (20073020)
504371.98 3633475.90 14.36594 (20073020) 504421.98
3633475.90 13.39362 (20080120)
504471.98 3633475.90 11.70491 (20080120) 504521.98
3633475.90 10.18644 (20080120)
504571.98 3633475.90 10.61275 (20082722) 504621.98
3633475.90 11.84142 (20080222)
504671.98 3633475.90 12.44396 (20080623) 504721.98
3633475.90 13.17593 (20080623)
502721.98 3633525.90 10.06803 (19091703) 502771.98
3633525.90 10.01715 (19091703)
502821.98 3633525.90 9.92356 (19020407) 502871.98
3633525.90 10.23779 (19020407)
502921.98 3633525.90 10.51161 (20021921) 502971.98
3633525.90 10.69052 (20021921)
503021.98 3633525.90 11.15901 (21110905) 503071.98
3633525.90 13.38972 (21030103)
503121.98 3633525.90 15.84866 (21030103) 503171.98
3633525.90 17.15525 (21030103)
503221.98 3633525.90 16.41635 (21030103) 503271.98
3633525.90 15.26795 (20121603)
503321.98 3633525.90 14.91657 (20121603) 503371.98
3633525.90 17.68839 (21063005)
503421.98 3633525.90 17.73075 (21063005) 503471.98
3633525.90 17.74863 (20102407)
503521.98 3633525.90 18.28636 (20111701) 503621.98
3633525.90 14.87031 (21022506)
503671.98 3633525.90 18.97957 (19110606) 503721.98
3633525.90 18.76997 (19101521)
503771.98 3633525.90 21.81357 (20050102) 503821.98
3633525.90 21.15356 (21020203)
503871.98 3633525.90 21.60097 (20110207) 503921.98
3633525.90 19.94840 (20110207)
503971.98 3633525.90 20.91627 (19032124) 504021.98
3633525.90 19.58251 (21013120)
504071.98 3633525.90 19.29752 (19102905) 504121.98
3633525.90 20.66262 (20022403)
504171.98 3633525.90 20.41358 (21011620) 504221.98
3633525.90 19.50733 (20042404)
504271.98 3633525.90 19.33137 (21120723) 504321.98
3633525.90 15.65838 (20073020)
504371.98 3633525.90 14.16706 (20080120) 504421.98
3633525.90 13.01009 (20080120)
504471.98 3633525.90 11.22064 (20080120) 504521.98

3633525.90   11.32927 (20081220)
        504571.98   3633525.90   12.75968 (20080222)   504621.98
3633525.90   13.89098 (20080623)
        504671.98   3633525.90   13.94206 (20080623)   504721.98
3633525.90   13.10652 (20080623)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3633575.90 19.33031 (20082519)
503971.98 3633575.90 22.44616 (20101422) 504021.98
3633575.90 22.31750 (20080805)
504071.98 3633575.90 21.23535 (20101222) 504121.98
3633575.90 21.52427 (20022403)
504171.98 3633575.90 20.79638 (20050805) 504221.98
3633575.90 20.38740 (20110505)
504271.98 3633575.90 19.58510 (20101423) 504321.98
3633575.90 15.12093 (20080120)
504371.98 3633575.90 15.11444 (20080120) 504421.98
3633575.90 12.52334 (20080120)
504471.98 3633575.90 11.50974 (20082722) 504521.98
3633575.90 13.30725 (20080222)
504571.98 3633575.90 15.06111 (20080623) 504621.98
3633575.90 14.85457 (20080623)
504671.98 3633575.90 13.82916 (20080623) 504721.98
3633575.90 13.03899 (20080220)
502721.98 3633625.90 10.13284 (21111004) 502771.98
3633625.90 10.42274 (19091703)
502821.98 3633625.90 10.81492 (19091703) 502871.98
3633625.90 10.92644 (19091703)
502921.98 3633625.90 10.69157 (19020407) 502971.98
3633625.90 11.13088 (19020407)
503021.98 3633625.90 11.50136 (20021921) 503071.98
3633625.90 11.62221 (20021921)
503121.98 3633625.90 12.62246 (21110905) 503171.98
3633625.90 15.44692 (21030103)
503221.98 3633625.90 18.66158 (21030103) 503271.98
3633625.90 19.18205 (21030103)
503321.98 3633625.90 16.48385 (20121603) 503371.98
3633625.90 17.18760 (20121603)
503421.98 3633625.90 20.18573 (21063005) 503471.98
3633625.90 20.20264 (21063005)
503521.98 3633625.90 19.67145 (20102407) 503621.98
3633625.90 14.49858 (19072006)
503671.98 3633625.90 17.61106 (21022506) 503721.98
3633625.90 16.81641 (19101521)
503771.98 3633625.90 17.26191 (20050102) 503821.98
3633625.90 21.08227 (20032924)
503871.98 3633625.90 19.24528 (20032924) 503921.98
3633625.90 19.69525 (20082519)
503971.98 3633625.90 22.40174 (20101422) 504021.98
3633625.90 21.80983 (20080805)
504071.98 3633625.90 22.85196 (21022105) 504121.98
3633625.90 20.88459 (20050805)
504171.98 3633625.90 20.51156 (20050805) 504221.98
3633625.90 21.24015 (20110505)
504271.98 3633625.90 20.84354 (20112022) 504321.98
3633625.90 18.14537 (21010102)
504371.98 3633625.90 16.97736 (20080120) 504421.98

3633625.90 14.12963 (20080120)
 504471.98 3633625.90 13.19602 (20080222) 504521.98
3633625.90 15.83165 (20080623)
 504571.98 3633625.90 16.17889 (20080623) 504621.98
3633625.90 15.04717 (20080623)
 504671.98 3633625.90 14.33549 (20080220) 504721.98
3633625.90 13.32809 (20081921)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633675.90	10.89262	(21111004)	502771.98	3633675.90	10.93049	(21111004)
502821.98	3633675.90	10.73752	(19091703)	502871.98	3633675.90	11.31957	(19091703)
502921.98	3633675.90	11.64359	(19091703)	502971.98	3633675.90	11.46445	(19091703)
503021.98	3633675.90	11.87227	(19020407)	503071.98	3633675.90	12.01487	(20021921)
503121.98	3633675.90	12.23473	(20021921)	503171.98	3633675.90	13.93608	(21110905)
503221.98	3633675.90	17.22924	(21030103)	503271.98	3633675.90	20.65989	(21030103)
503321.98	3633675.90	19.98312	(21030103)	503371.98	3633675.90	18.27591	(20121603)
503421.98	3633675.90	19.53883	(21063005)	503471.98	3633675.90	22.98182	(21063005)
503521.98	3633675.90	19.91080	(20102407)	503571.98	3633675.90	20.75697	(20102407)
503671.98	3633675.90	18.05258	(21022506)	503721.98	3633675.90	17.80589	(21070105)
503771.98	3633675.90	14.91266	(19101521)	503821.98			

3633675.90 18.78639 (20032924)
503871.98 3633675.90 18.98281 (20032924) 503921.98
3633675.90 19.31096 (20101422)
503971.98 3633675.90 21.76467 (20101422) 504021.98
3633675.90 20.12799 (20080805)
504071.98 3633675.90 22.23525 (21022105) 504121.98
3633675.90 21.55459 (20050805)
504171.98 3633675.90 20.73751 (20110505) 504221.98
3633675.90 21.47214 (20101502)
504271.98 3633675.90 22.55177 (21120804) 504321.98
3633675.90 21.16458 (19042204)
504371.98 3633675.90 18.08425 (20081220) 504421.98
3633675.90 15.90583 (20081220)
504471.98 3633675.90 16.80470 (20080623) 504521.98
3633675.90 17.40712 (20080623)
504571.98 3633675.90 16.58804 (19102119) 504621.98
3633675.90 15.58866 (19112707)
504671.98 3633675.90 14.79682 (19112301) 504721.98
3633675.90 14.67782 (19112301)
502721.98 3633725.90 11.84918 (19020624) 502771.98
3633725.90 11.70339 (19020624)
502821.98 3633725.90 11.85450 (21111004) 502871.98
3633725.90 11.75923 (21111004)
502921.98 3633725.90 12.22899 (19091703) 502971.98
3633725.90 12.60832 (19091703)
503021.98 3633725.90 12.23200 (19091703) 503071.98
3633725.90 12.64598 (19020407)
503121.98 3633725.90 12.81006 (20021921) 503171.98
3633725.90 13.06845 (20021921)
503221.98 3633725.90 15.64210 (21110905) 503271.98
3633725.90 19.38738 (21030103)
503321.98 3633725.90 22.36685 (21030103) 503371.98
3633725.90 20.66260 (21030103)
503421.98 3633725.90 19.92249 (20121603) 503471.98
3633725.90 23.56085 (21063005)
503521.98 3633725.90 24.16448 (21063005) 503571.98
3633725.90 23.07682 (20102407)
503721.98 3633725.90 18.41789 (21070105) 503771.98
3633725.90 15.84742 (21070105)
503821.98 3633725.90 17.34202 (20032924) 503871.98
3633725.90 17.95924 (20032924)
503921.98 3633725.90 19.35613 (20101422) 503971.98
3633725.90 21.13402 (20101422)
504021.98 3633725.90 21.34890 (21022105) 504071.98
3633725.90 20.49277 (21022105)
504121.98 3633725.90 20.03618 (20050805) 504171.98
3633725.90 20.60976 (20110505)
504221.98 3633725.90 21.53905 (21022020) 504271.98
3633725.90 21.10071 (21120804)
504321.98 3633725.90 22.83840 (20092103) 504371.98

3633725.90   20.67344 (21011520)
        504421.98   3633725.90   18.34054 (20082721)   504471.98
3633725.90   18.73842 (20122923)
        504521.98   3633725.90   19.18575 (19102119)   504571.98
3633725.90   17.87967 (19112707)
        504621.98   3633725.90   18.47862 (20020804)   504671.98
3633725.90   17.44103 (19112401)
        504721.98   3633725.90   16.09862 (20073105)   502721.98
3633775.90   12.07965 (19020624)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3633775.90 20.06430 (20101422)
504021.98 3633775.90 21.79136 (21022105) 504071.98
3633775.90 18.27591 (20050805)
504121.98 3633775.90 19.03654 (20110505) 504171.98
3633775.90 19.84425 (20101502)
504221.98 3633775.90 20.31609 (20080103) 504271.98
3633775.90 21.73114 (20080122)
504321.98 3633775.90 23.67781 (20120406) 504371.98
3633775.90 23.14663 (19031002)
504421.98 3633775.90 22.21904 (20101621) 504471.98
3633775.90 21.52796 (21022502)
504521.98 3633775.90 21.53959 (20021702) 504571.98
3633775.90 21.15396 (20020804)
504621.98 3633775.90 20.59849 (21012402) 504671.98
3633775.90 19.80246 (20022406)
504721.98 3633775.90 18.40848 (21121121) 502721.98
3633825.90 12.35598 (19020622)
502771.98 3633825.90 12.87047 (19020622) 502821.98
3633825.90 13.41493 (19020624)
502871.98 3633825.90 13.89373 (19020624) 502921.98
3633825.90 14.46648 (21111004)
502971.98 3633825.90 14.95816 (21111004) 503021.98
3633825.90 14.56970 (21111004)
503071.98 3633825.90 14.86935 (19091703) 503121.98
3633825.90 14.97774 (19091703)
503171.98 3633825.90 15.22684 (19020407) 503221.98
3633825.90 15.30427 (20081103)
503271.98 3633825.90 16.30865 (21110905) 503771.98
3633825.90 19.06223 (21070105)
503821.98 3633825.90 15.30913 (20032924) 503871.98
3633825.90 16.20033 (20032924)
503921.98 3633825.90 20.80373 (20101422) 503971.98
3633825.90 18.77090 (19011807)
504021.98 3633825.90 17.53837 (21022105) 504071.98
3633825.90 18.61184 (20050805)
504121.98 3633825.90 19.32485 (20110505) 504171.98
3633825.90 19.11045 (20080103)
504221.98 3633825.90 19.34609 (20080122) 504271.98
3633825.90 20.79661 (20090424)
504321.98 3633825.90 21.43281 (20101421) 504371.98
3633825.90 22.10225 (19091602)
504421.98 3633825.90 23.35341 (21010724) 504471.98
3633825.90 22.62265 (21010602)
504521.98 3633825.90 22.04694 (19120524) 504571.98
3633825.90 21.34110 (20121123)
504621.98 3633825.90 20.77213 (20022406) 504671.98
3633825.90 20.21780 (21121121)
504721.98 3633825.90 19.65681 (21021801) 502721.98
3633875.90 13.01532 (20051205)
502771.98 3633875.90 12.83648 (21012317) 502821.98

3633875.90 13.73031 (19020622)
  502871.98 3633875.90 14.32324 (19020622) 502921.98
3633875.90 15.60302 (19020624)
  502971.98 3633875.90 15.97483 (19020624) 503021.98
3633875.90 16.73073 (21111004)
  503071.98 3633875.90 16.86778 (21111004) 503121.98
3633875.90 16.41818 (19091703)
  503171.98 3633875.90 16.92137 (19091703) 503221.98
3633875.90 17.02988 (19121621)
  503271.98 3633875.90 17.66555 (20081103) 503821.98
3633875.90 16.16435 (20081419)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503871.98	3633875.90	16.66470	(20032924)	503921.98	3633875.90	20.15637	(20101422)
503971.98	3633875.90	16.96410	(20080818)	504021.98	3633875.90	16.53888	(20081118)
504071.98	3633875.90	19.03387	(20110505)	504121.98	3633875.90	19.62512	(20101502)
504171.98	3633875.90	19.16759	(20080103)	504221.98	3633875.90	20.89449	(20080122)
504271.98	3633875.90	20.90146	(20050621)	504321.98	3633875.90	21.84043	(19091602)
504371.98	3633875.90	22.47544	(21010724)	504421.98	3633875.90	23.00929	(20021603)
504471.98	3633875.90	22.76172	(19120524)	504521.98	3633875.90	21.61608	(20121123)
504571.98	3633875.90	20.87738	(21012121)	504621.98	3633875.90	20.93546	(21022620)
504671.98	3633875.90	20.58528	(20110304)	504721.98			

3633875.90 20.31553 (21122302)
502721.98 3633925.90 13.79836 (20051205) 502771.98
3633925.90 14.11353 (20051205)
502821.98 3633925.90 14.21143 (20051205) 502871.98
3633925.90 14.46421 (19020622)
502921.98 3633925.90 16.05173 (19020622) 502971.98
3633925.90 16.73449 (19020624)
503021.98 3633925.90 17.95479 (19020624) 503071.98
3633925.90 18.57469 (21111004)
503121.98 3633925.90 19.31785 (21111004) 503171.98
3633925.90 18.62691 (21111004)
503221.98 3633925.90 19.16577 (19091703) 503271.98
3633925.90 19.63835 (19121621)
503821.98 3633925.90 18.03344 (20081419) 503871.98
3633925.90 15.59082 (20032924)
503921.98 3633925.90 19.78455 (20080818) 503971.98
3633925.90 18.98355 (20081118)
504021.98 3633925.90 18.06488 (20081118) 504071.98
3633925.90 19.95805 (20110505)
504121.98 3633925.90 20.90332 (20080103) 504171.98
3633925.90 21.62441 (20080122)
504221.98 3633925.90 20.51104 (20050621) 504271.98
3633925.90 20.87677 (19091602)
504321.98 3633925.90 22.35683 (21040422) 504371.98
3633925.90 21.51072 (21072902)
504421.98 3633925.90 21.36938 (19031001) 504471.98
3633925.90 21.00585 (21020424)
504521.98 3633925.90 21.47639 (20121318) 504571.98
3633925.90 21.85050 (20022002)
504621.98 3633925.90 21.38368 (21010623) 504671.98
3633925.90 21.19918 (21122302)
504721.98 3633925.90 20.83887 (21010408) 502721.98
3633975.90 14.17889 (20081801)
502771.98 3633975.90 14.54227 (20081801) 502821.98
3633975.90 15.13190 (20051205)
502871.98 3633975.90 15.86316 (20051205) 502921.98
3633975.90 16.31509 (21012317)
502971.98 3633975.90 16.95344 (19020622) 503021.98
3633975.90 18.69615 (19020622)
503071.98 3633975.90 20.03362 (19020624) 503121.98
3633975.90 21.23282 (19020624)
503171.98 3633975.90 21.82673 (21111004) 503221.98
3633975.90 21.92752 (21111004)
503271.98 3633975.90 21.88660 (19091703) 503821.98
3633975.90 20.16219 (20081419)
503871.98 3633975.90 17.24780 (20082518) 503921.98
3633975.90 23.68395 (20080818)
503971.98 3633975.90 22.93356 (20081118) 504021.98
3633975.90 20.78869 (20081918)
504071.98 3633975.90 21.74790 (20101502) 504121.98

3633975.90 22.19966 (20080122)
 504171.98 3633975.90 22.16675 (20090424) 504221.98
3633975.90 22.07325 (19091602)
 504271.98 3633975.90 23.98635 (21040422) 504321.98
3633975.90 21.68661 (21040422)
 504371.98 3633975.90 22.49899 (19031001) 504421.98
3633975.90 21.54766 (20041423)
 504471.98 3633975.90 22.48415 (21022620) 504521.98
3633975.90 23.37987 (21010623)
 504571.98 3633975.90 23.07666 (19011323) 504621.98
3633975.90 22.33331 (20011623)
 504671.98 3633975.90 21.54517 (21010408) 504721.98
3633975.90 20.99487 (20121406)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3634025.90	13.90664	(20081801)	502771.98	3634025.90	14.81967	(20081801)
502821.98	3634025.90	15.66817	(20030823)	502871.98	3634025.90	16.47412	(20030823)
502921.98	3634025.90	17.31983	(20051205)	502971.98	3634025.90	18.16251	(20051205)
503021.98	3634025.90	19.29114	(21012317)	503071.98	3634025.90	20.34465	(19020622)
503121.98	3634025.90	22.45410	(19020622)	503171.98	3634025.90	24.19277	(19020624)
503221.98	3634025.90	24.96710	(19020624)	503271.98	3634025.90	25.45212	(21111004)
503871.98	3634025.90	20.57501	(20080718)	503921.98	3634025.90	27.67772	(20080818)
503971.98	3634025.90	26.32591	(20081118)	504021.98			

3634025.90 23.91092 (20081918)
504071.98 3634025.90 23.45928 (20080103) 504121.98
3634025.90 25.07570 (20090424)
504171.98 3634025.90 23.94034 (20101421) 504221.98
3634025.90 26.00499 (21040422)
504271.98 3634025.90 23.61516 (19071103) 504321.98
3634025.90 24.14665 (21040322)
504371.98 3634025.90 23.50682 (20041423) 504421.98
3634025.90 23.99335 (19100621)
504471.98 3634025.90 24.38002 (19011323) 504521.98
3634025.90 24.30676 (20011623)
504571.98 3634025.90 23.95576 (20010519) 504621.98
3634025.90 23.11583 (20051204)
504671.98 3634025.90 21.85301 (20121406) 504721.98
3634025.90 20.30212 (20021723)
502721.98 3634075.90 14.32270 (20051206) 502771.98
3634075.90 14.58690 (20052001)
502821.98 3634075.90 15.38654 (20052001) 502871.98
3634075.90 16.60888 (21110803)
502921.98 3634075.90 18.06487 (20030823) 502971.98
3634075.90 19.43143 (20030823)
503021.98 3634075.90 20.54950 (20030823) 503071.98
3634075.90 21.47018 (20051205)
503121.98 3634075.90 23.25243 (21012317) 503171.98
3634075.90 24.68755 (19020622)
503221.98 3634075.90 27.04154 (19020622) 503271.98
3634075.90 29.18794 (19020624)
503871.98 3634075.90 24.44947 (20080718) 503921.98
3634075.90 30.77175 (20080818)
503971.98 3634075.90 27.39130 (20081118) 504021.98
3634075.90 25.12836 (20080103)
504071.98 3634075.90 27.94004 (20080122) 504121.98
3634075.90 26.55823 (20101421)
504171.98 3634075.90 28.24275 (21040422) 504221.98
3634075.90 26.13444 (19031001)
504271.98 3634075.90 25.90156 (21040322) 504321.98
3634075.90 25.05675 (20110101)
504371.98 3634075.90 24.43597 (21071002) 504421.98
3634075.90 24.90515 (20101322)
504471.98 3634075.90 25.56521 (20010519) 504521.98
3634075.90 25.53534 (21022221)
504571.98 3634075.90 24.44688 (21111922) 504621.98
3634075.90 21.52908 (19011606)
504671.98 3634075.90 20.20222 (19121305) 504721.98
3634075.90 20.17291 (19121305)
502721.98 3634125.90 17.47343 (20082804) 502771.98
3634125.90 17.20956 (20082804)
502821.98 3634125.90 16.60783 (20051206) 502871.98
3634125.90 17.29619 (20051206)
502921.98 3634125.90 17.89144 (20052001) 502971.98

3634125.90   19.42411 (21110803)
        503021.98   3634125.90   21.84576 (21110803)   503071.98
3634125.90   23.68775 (21110803)
        503121.98   3634125.90   25.35344 (20041018)   503171.98
3634125.90   26.39636 (20041018)
        503221.98   3634125.90   28.24539 (21012317)   503271.98
3634125.90   30.08512 (19020622)
        503921.98   3634125.90   31.74785 (20081018)   503971.98
3634125.90   30.35155 (20072518)
        504021.98   3634125.90   29.28358 (20073018)   504071.98
3634125.90   29.86748 (20080519)
        504121.98   3634125.90   30.45265 (21040422)   504171.98
3634125.90   29.03669 (19031001)
        504221.98   3634125.90   28.18642 (20041423)   504271.98
3634125.90   26.94049 (19032824)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634175.90 21.68052 (20082804)
502971.98 3634175.90 22.16188 (20082804) 503021.98
3634175.90 22.58694 (20082804)
503071.98 3634175.90 23.29616 (20051206) 503121.98
3634175.90 26.02067 (21110803)
503171.98 3634175.90 28.91829 (21110803) 503221.98
3634175.90 31.24524 (20041018)
503271.98 3634175.90 33.15077 (20041018) 503971.98
3634175.90 32.46306 (20072616)
504021.98 3634175.90 33.19578 (20080519) 504071.98
3634175.90 33.35240 (20072419)
504121.98 3634175.90 31.53617 (19031001) 504171.98
3634175.90 30.96882 (20090521)
504221.98 3634175.90 29.10492 (19041103) 504271.98
3634175.90 27.68525 (20111422)
504321.98 3634175.90 26.69510 (20050721) 504371.98
3634175.90 26.91459 (20101522)
504421.98 3634175.90 29.72089 (20082605) 504471.98
3634175.90 27.92507 (20111905)
504521.98 3634175.90 26.58625 (21050505) 504571.98
3634175.90 20.79920 (19102322)
504621.98 3634175.90 17.20689 (20082223) 504671.98
3634175.90 15.56086 (20092021)
504721.98 3634175.90 13.39036 (21020219) 502721.98
3634225.90 17.51373 (19083104)
502771.98 3634225.90 18.68944 (19083104) 502821.98
3634225.90 20.17298 (20082804)
502871.98 3634225.90 22.06682 (20082804) 502921.98
3634225.90 23.76751 (20082804)
502971.98 3634225.90 25.58699 (20082804) 503021.98
3634225.90 27.47677 (20082804)
503071.98 3634225.90 28.97821 (20082804) 503121.98
3634225.90 30.18805 (20082804)
503171.98 3634225.90 30.93839 (20082804) 503221.98
3634225.90 31.60754 (20051206)
503271.98 3634225.90 34.60893 (21110803) 504071.98
3634225.90 34.69689 (20090521)
504121.98 3634225.90 33.69150 (21073102) 504171.98
3634225.90 32.25615 (21091122)
504221.98 3634225.90 30.70016 (21062804) 504271.98
3634225.90 28.65668 (20080306)
504321.98 3634225.90 26.88702 (19041802) 504371.98
3634225.90 28.45841 (20100319)
504421.98 3634225.90 30.37386 (21062705) 504471.98
3634225.90 28.56805 (21062301)
504521.98 3634225.90 26.19939 (20041205) 504571.98
3634225.90 20.03505 (20020703)
504621.98 3634225.90 15.54813 (21020219) 504671.98
3634225.90 13.36918 (20080321)
504721.98 3634225.90 11.03497 (21070524) 502721.98

3634275.90   16.18675 (19083104)
        502771.98   3634275.90   17.67640 (19083104)   502821.98
3634275.90   19.57097 (19083104)
        502871.98   3634275.90   21.92040 (19083104)   502921.98
3634275.90   23.59274 (19083104)
        502971.98   3634275.90   25.35125 (19083104)   503021.98
3634275.90   27.65843 (19083104)
        503071.98   3634275.90   29.77819 (20082804)   503121.98
3634275.90   32.97281 (20082804)
        503171.98   3634275.90   36.12384 (20082804)   503221.98
3634275.90   38.90373 (20082804)
        503271.98   3634275.90   41.44412 (20082804)   504121.98
3634275.90   35.56122 (21062804)
        504171.98   3634275.90   33.80462 (21061805)   504221.98
3634275.90   31.34844 (20091022)
        504271.98   3634275.90   29.01077 (20082101)   504321.98
3634275.90   26.95159 (21032324)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634325.90 21.45899 (20050203)
502971.98 3634325.90 24.22707 (20050203) 503021.98
3634325.90 26.27536 (20050203)
503071.98 3634325.90 28.35702 (20050203) 503121.98
3634325.90 30.42441 (19083104)
503171.98 3634325.90 34.12750 (19083104) 503221.98
3634325.90 38.00133 (19083104)
503271.98 3634325.90 41.92836 (19083104) 504171.98
3634325.90 33.66296 (20081504)
504221.98 3634325.90 31.47158 (19090606) 504271.98
3634325.90 29.08139 (21101824)
504321.98 3634325.90 27.29730 (20010320) 504371.98
3634325.90 25.93955 (21071503)
504421.98 3634325.90 27.99190 (20022423) 504471.98
3634325.90 29.03620 (20080624)
504521.98 3634325.90 24.57122 (20080624) 504571.98
3634325.90 18.08092 (20092120)
504621.98 3634325.90 13.41589 (19031020) 504671.98
3634325.90 10.71046 (21062423)
504721.98 3634325.90 10.16226 (21062423) 502721.98
3634375.90 15.86888 (20021803)
502771.98 3634375.90 17.38662 (20021803) 502821.98
3634375.90 18.93570 (20021803)
503021.98 3634375.90 28.44934 (20050203) 503071.98
3634375.90 31.79954 (20050203)
503121.98 3634375.90 34.83001 (20050203) 503171.98
3634375.90 38.00658 (20050203)
503221.98 3634375.90 41.56331 (20050203) 503271.98
3634375.90 45.18171 (20050203)
504221.98 3634375.90 31.02308 (20121618) 504271.98
3634375.90 29.05375 (20121618)
504321.98 3634375.90 26.95330 (20121618) 504371.98
3634375.90 25.50774 (21032802)
504421.98 3634375.90 29.35553 (21010219) 504471.98
3634375.90 26.28110 (21021007)
504521.98 3634375.90 20.39971 (20092120) 504571.98
3634375.90 16.71981 (20092120)
504621.98 3634375.90 13.44579 (19032520) 504671.98
3634375.90 11.86137 (20041201)
504721.98 3634375.90 10.90512 (20041201) 502721.98
3634425.90 16.94486 (19100903)
502771.98 3634425.90 18.32353 (19100903) 502821.98
3634425.90 19.91191 (19100903)
504271.98 3634425.90 29.61987 (21042820) 504321.98
3634425.90 28.15857 (21042820)
504371.98 3634425.90 26.68516 (21042820) 504421.98
3634425.90 28.14593 (21011222)
504471.98 3634425.90 27.58260 (19101220) 504521.98
3634425.90 20.63079 (20011720)
504571.98 3634425.90 18.87286 (20041201) 504621.98

3634425.90   18.13416 (20041201)
        504671.98   3634425.90   17.21809 (20041201)   504721.98
3634425.90   15.70840 (20041201)
        502721.98   3634475.90   19.05000 (21021102)   502771.98
3634475.90   20.73311 (21021102)
        502821.98   3634475.90   22.38892 (21021102)   504321.98
3634475.90   27.33142 (21090306)
        504371.98   3634475.90   26.05738 (21090306)   504421.98
3634475.90   25.05179 (21090306)
        504471.98   3634475.90   26.65997 (21090306)   504521.98
3634475.90   25.75203 (21090306)
        504571.98   3634475.90   23.26989 (21090306)   504621.98
3634475.90   22.59898 (21013119)
        504671.98   3634475.90   19.18392 (21013119)   504721.98
3634475.90   18.28495 (20041201)
        502721.98   3634525.90   19.87569 (19101801)   502771.98
3634525.90   21.75314 (19101801)
        504371.98   3634525.90   25.71192 (21020220)   504421.98
3634525.90   23.73533 (21020220)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634575.90 21.41604 (20092418)
504521.98 3634575.90 19.42195 (19091518) 504571.98
3634575.90 18.58909 (21020220)
504621.98 3634575.90 18.80885 (21020220) 504671.98
3634575.90 20.50373 (21020220)
504721.98 3634575.90 21.54175 (21032601) 502721.98
3634625.90 18.68987 (19050903)
502771.98 3634625.90 20.70483 (19050903) 502821.98
3634625.90 23.25365 (19050903)
502871.98 3634625.90 25.53078 (19050903) 502921.98
3634625.90 27.61268 (19050903)
502971.98 3634625.90 29.40552 (19050903) 503021.98
3634625.90 32.29788 (20030821)
503071.98 3634625.90 35.83248 (20030821) 503121.98
3634625.90 38.53853 (20030821)
504471.98 3634625.90 21.40268 (20011517) 504521.98
3634625.90 19.25884 (20011517)
504571.98 3634625.90 17.57289 (20092418) 504621.98
3634625.90 16.33519 (19091518)
504671.98 3634625.90 15.18050 (19091518) 504721.98
3634625.90 16.30802 (21020220)
502721.98 3634675.90 19.78677 (19050903) 502771.98
3634675.90 20.89958 (19050903)
502821.98 3634675.90 21.95207 (19050903) 502871.98
3634675.90 24.22049 (20030821)
502921.98 3634675.90 26.31688 (20030821) 502971.98
3634675.90 28.26188 (19091905)
503021.98 3634675.90 31.12463 (19091905) 503071.98
3634675.90 35.58340 (19022707)
503121.98 3634675.90 40.31029 (19022707) 503171.98
3634675.90 43.00285 (19022707)
503221.98 3634675.90 45.61466 (21031605) 503271.98
3634675.90 49.39991 (20040402)
503321.98 3634675.90 53.32741 (19010517) 503371.98
3634675.90 58.13140 (20031921)
503421.98 3634675.90 62.99928 (19013101) 503471.98
3634675.90 69.54460 (20122320)
503521.98 3634675.90 76.19024 (20122721) 504521.98
3634675.90 19.60097 (20072505)
504571.98 3634675.90 17.75945 (20072505) 504621.98
3634675.90 16.28963 (20011517)
504671.98 3634675.90 14.85144 (20011517) 504721.98
3634675.90 13.53615 (21082819)
502721.98 3634725.90 18.41364 (20030821) 502771.98
3634725.90 19.68279 (20030821)
502821.98 3634725.90 20.72566 (20030821) 502871.98
3634725.90 23.15728 (21011903)
502921.98 3634725.90 26.24424 (19022707) 502971.98
3634725.90 29.72272 (19022707)
503021.98 3634725.90 32.35814 (19022707) 503071.98

3634725.90   33.81635 (21031605)
        503121.98   3634725.90   36.76951 (20040402)   503171.98
3634725.90   40.50415 (20040402)
        503221.98   3634725.90   44.25847 (19010517)   503271.98
3634725.90   48.59158 (20031921)
        503321.98   3634725.90   51.91007 (20041801)   503371.98
3634725.90   58.15164 (20020322)
        503421.98   3634725.90   63.87120 (20122320)   503471.98
3634725.90   71.15667 (20122721)
        503521.98   3634725.90   74.82353 (20122721)   503571.98
3634725.90   76.04545 (21041405)
        503621.98   3634725.90   82.34511 (19112801)   504571.98
3634725.90   18.87474 (20091418)
        504621.98   3634725.90   16.71780 (20072505)   504671.98
3634725.90   15.57699 (20072505)
        504721.98   3634725.90   14.19079 (20072505)   502721.98
3634775.90   17.82902 (21011903)
        502771.98   3634775.90   19.62729 (19022707)   502821.98
3634775.90   22.20080 (19022707)
        502871.98   3634775.90   24.57067 (19022707)   502921.98
3634775.90   25.96777 (19022707)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634775.90 52.88436 (20122320)
503371.98 3634775.90 57.35552 (21012023) 503421.98
3634775.90 64.66552 (20122721)
503471.98 3634775.90 67.29277 (20122721) 503521.98
3634775.90 69.35630 (21041405)
503571.98 3634775.90 77.48485 (19112801) 503621.98
3634775.90 79.66328 (20070104)
503671.98 3634775.90 81.75953 (19042922) 503721.98
3634775.90 88.33333 (20091721)
503771.98 3634775.90 95.90344 (19072124) 503821.98
3634775.90 91.90281 (19072223)
504621.98 3634775.90 17.96361 (20080506) 504671.98
3634775.90 15.56584 (20091418)
504721.98 3634775.90 14.46970 (20072505) 502721.98
3634825.90 18.87056 (19022707)
502771.98 3634825.90 20.24145 (19022707) 502821.98
3634825.90 20.90276 (19022707)
502871.98 3634825.90 22.08942 (21031605) 502921.98
3634825.90 24.08667 (20040402)
502971.98 3634825.90 25.95066 (20040402) 503021.98
3634825.90 28.69085 (19010517)
503071.98 3634825.90 31.54448 (20031921) 503121.98
3634825.90 34.92491 (20031921)
503171.98 3634825.90 38.05117 (19013101) 503221.98
3634825.90 42.73553 (19013101)
503271.98 3634825.90 47.94573 (20122320) 503321.98
3634825.90 51.60163 (21012023)
503371.98 3634825.90 58.08538 (20122721) 503421.98
3634825.90 59.67797 (20122721)
503471.98 3634825.90 62.25287 (19070505) 503521.98
3634825.90 68.73105 (19112801)
503571.98 3634825.90 70.98983 (20040204) 503621.98
3634825.90 77.21314 (20070104)
503671.98 3634825.90 79.80132 (19042922) 503721.98
3634825.90 81.15665 (19080122)
503771.98 3634825.90 87.11764 (19072124) 503821.98
3634825.90 88.62978 (19072223)
503871.98 3634825.90 86.73694 (19071923) 503921.98
3634825.90 71.67304 (20092506)
504671.98 3634825.90 17.77272 (20092620) 504721.98
3634825.90 16.00084 (20092620)
502721.98 3634875.90 17.09597 (19022707) 502771.98
3634875.90 18.12245 (21031605)
502821.98 3634875.90 19.66992 (20040402) 502871.98
3634875.90 20.82229 (20040402)
502921.98 3634875.90 22.97778 (19010517) 502971.98
3634875.90 25.18604 (20031921)
503021.98 3634875.90 28.32519 (20031921) 503071.98
3634875.90 29.68986 (19013101)
503121.98 3634875.90 35.43741 (19013101) 503171.98

3634875.90   37.38843 (20122320)
        503221.98   3634875.90   42.45586 (20122320)   503271.98
3634875.90   45.65195 (21012023)
        503321.98   3634875.90   51.59753 (20122721)   503371.98
3634875.90   52.49852 (20122721)
        503421.98   3634875.90   55.44185 (19070505)   503471.98
3634875.90   58.85065 (19112801)
        503521.98   3634875.90   64.34531 (19121706)   503571.98
3634875.90   69.01715 (20070104)
        503621.98   3634875.90   70.07612 (20101905)   503671.98
3634875.90   75.33098 (20100906)
        503721.98   3634875.90   81.05375 (19072124)   503771.98
3634875.90   78.79884 (19081022)
        503821.98   3634875.90   83.58671 (19072223)   503871.98
3634875.90   81.21263 (19071923)
        503921.98   3634875.90   66.18518 (20092506)   504721.98
3634875.90   17.61758 (20092620)
        502721.98   3634925.90   16.42144 (20040402)   502771.98
3634925.90   17.24163 (20040402)
        502821.98   3634925.90   18.54572 (19010517)   502871.98
3634925.90   20.06086 (19010517)
        502921.98   3634925.90   22.80197 (20031921)   502971.98
3634925.90   24.20963 (20031921)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634925.90 45.49006 (20122721)
503321.98 3634925.90 45.85030 (20122721) 503371.98
3634925.90 48.66621 (19070505)
503421.98 3634925.90 52.62380 (21121424) 503471.98
3634925.90 58.62507 (19112801)
503521.98 3634925.90 59.60974 (20040204) 503571.98
3634925.90 64.33671 (20070104)
503621.98 3634925.90 67.32764 (19042922) 503671.98
3634925.90 69.43873 (20100906)
503721.98 3634925.90 79.08118 (19072124) 503771.98
3634925.90 70.76880 (19083123)
503821.98 3634925.90 77.40609 (19072223) 503871.98
3634925.90 74.04567 (19071923)
502721.98 3634975.90 15.44793 (19010517) 502771.98
3634975.90 16.57821 (19010517)
502821.98 3634975.90 18.55134 (20031921) 502871.98
3634975.90 20.01247 (20031921)
502921.98 3634975.90 22.45299 (19013101) 502971.98
3634975.90 25.62450 (19013101)
503021.98 3634975.90 27.17764 (19013101) 503071.98
3634975.90 30.96956 (20122320)
503121.98 3634975.90 33.51691 (21012023) 503171.98
3634975.90 33.95311 (21012023)
503221.98 3634975.90 39.47246 (20122721) 503271.98
3634975.90 39.72252 (20122721)
503321.98 3634975.90 42.25480 (19070505) 503371.98
3634975.90 47.21213 (21121424)
503421.98 3634975.90 51.70943 (19112801) 503471.98
3634975.90 53.66632 (19121706)
503521.98 3634975.90 57.66984 (20070104) 503571.98
3634975.90 58.13961 (20101905)
503621.98 3634975.90 61.75894 (21092823) 503671.98
3634975.90 63.96552 (21081522)
503721.98 3634975.90 73.87234 (19072124) 503771.98
3634975.90 64.04639 (19083123)
503821.98 3634975.90 70.75459 (19072223) 503871.98
3634975.90 62.09763 (19071923)
502721.98 3635025.90 15.69104 (20031921) 502771.98
3635025.90 16.96704 (20031921)
502821.98 3635025.90 18.22632 (19013101) 502871.98
3635025.90 21.42024 (19013101)
502921.98 3635025.90 23.38345 (19013101) 502971.98
3635025.90 24.63524 (20122320)
503021.98 3635025.90 27.49223 (20122320) 503071.98
3635025.90 29.75993 (21012023)
503121.98 3635025.90 29.79318 (20122721) 503171.98
3635025.90 34.85755 (20122721)
503221.98 3635025.90 35.15193 (19031105) 503271.98
3635025.90 36.52007 (19070505)
503321.98 3635025.90 41.82539 (21121424) 503371.98

3635025.90   44.42446 (19112801)
        503421.98   3635025.90   47.91811 (19121706)   503471.98
3635025.90   47.93799 (20040204)
        503521.98   3635025.90   52.13425 (20070104)   503571.98
3635025.90   56.04621 (20101905)
        503621.98   3635025.90   58.53052 (20100906)   503671.98
3635025.90   59.37448 (20120224)
        503721.98   3635025.90   64.97382 (19072124)   503771.98
3635025.90   59.22523 (19083123)
        503821.98   3635025.90   63.26576 (19072223)   504371.98
3635025.90   26.76848 (20043024)
        502721.98   3635075.90   15.46519 (19013101)   502771.98
3635075.90   18.04177 (19013101)
        502821.98   3635075.90   20.10412 (19013101)   502871.98
3635075.90   20.99918 (19013101)
        502921.98   3635075.90   22.85672 (20122320)   502971.98
3635075.90   24.33119 (20122320)
        503021.98   3635075.90   26.35533 (21012023)   503071.98
3635075.90   26.76823 (20122721)
        503121.98   3635075.90   30.73097 (20122721)   503171.98
3635075.90   30.92775 (19031105)
        503221.98   3635075.90   31.30256 (20112322)   503271.98
3635075.90   36.69185 (21121424)
        503321.98   3635075.90   37.31380 (19112801)   503371.98
3635075.90   41.75917 (19112801)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635075.90 50.42655 (19042922)
503621.98 3635075.90 52.33289 (20100906) 503671.98
3635075.90 58.55776 (19072124)
503721.98 3635075.90 57.56537 (19072124) 503771.98
3635075.90 55.18190 (21050621)
503821.98 3635075.90 56.44206 (19072223) 504371.98
3635075.90 23.73711 (20043024)
504421.98 3635075.90 23.96245 (20043024) 504471.98
3635075.90 22.47689 (19030801)
504521.98 3635075.90 19.31715 (21071522) 502721.98
3635125.90 17.48105 (19013101)
502771.98 3635125.90 18.61867 (19013101) 502821.98
3635125.90 18.68593 (20122320)
502871.98 3635125.90 20.91331 (20122320) 502921.98
3635125.90 21.95217 (21012023)
502971.98 3635125.90 23.35395 (21012023) 503021.98
3635125.90 24.16295 (20122721)
503071.98 3635125.90 27.10852 (20122721) 503121.98
3635125.90 27.21714 (19031105)
503171.98 3635125.90 27.18303 (20112322) 503221.98
3635125.90 31.77225 (21121424)
503271.98 3635125.90 32.46703 (21121424) 503321.98
3635125.90 36.79045 (19112801)
503371.98 3635125.90 38.70612 (19121706) 503421.98
3635125.90 39.25064 (20070104)
503471.98 3635125.90 41.26416 (20070104) 503521.98
3635125.90 45.32726 (20101905)
503571.98 3635125.90 46.24689 (20100906) 503621.98
3635125.90 47.51956 (21081522)
503671.98 3635125.90 55.69047 (19072124) 503721.98
3635125.90 49.84897 (19081022)
503771.98 3635125.90 49.48936 (21050621) 503821.98
3635125.90 51.69782 (19072223)
504371.98 3635125.90 22.35253 (19062501) 504421.98
3635125.90 21.75118 (20043024)
504471.98 3635125.90 21.45151 (20043024) 504521.98
3635125.90 20.37927 (19030801)
504571.98 3635125.90 17.49119 (19030801) 502721.98
3635175.90 17.29725 (19013101)
502771.98 3635175.90 17.75312 (20122320) 502821.98
3635175.90 18.99613 (20122320)
502871.98 3635175.90 19.94053 (21012023) 502921.98
3635175.90 20.90835 (21012023)
502971.98 3635175.90 21.96022 (20122721) 503021.98
3635175.90 24.06716 (20122721)
503071.98 3635175.90 24.03179 (19031105) 503121.98
3635175.90 23.69373 (20112322)
503171.98 3635175.90 27.73500 (21121424) 503221.98
3635175.90 29.18505 (21121424)
503271.98 3635175.90 31.92394 (19112801) 503321.98

3635175.90   34.18018 (19121706)
        503371.98   3635175.90   33.31554 (20040204)   503421.98
3635175.90   37.31013 (20070104)
        503471.98   3635175.90   36.60856 (20101905)   503521.98
3635175.90   40.41753 (20101905)
        503571.98   3635175.90   42.52459 (20100906)   503621.98
3635175.90   43.42573 (20120224)
        503671.98   3635175.90   51.08036 (19072124)   503721.98
3635175.90   43.32755 (20040205)
        503771.98   3635175.90   43.20950 (21050621)   503821.98
3635175.90   45.28002 (19072223)
        504371.98   3635175.90   21.25106 (19062501)   504421.98
3635175.90   18.91990 (19062501)
        504471.98   3635175.90   20.21348 (20043024)   504521.98
3635175.90   19.44072 (20043024)
        504571.98   3635175.90   18.48344 (19030801)   504621.98
3635175.90   16.38547 (19030801)
        502721.98   3635225.90   17.03368 (20122320)   502771.98
3635225.90   17.70200 (20122320)
        502821.98   3635225.90   18.64074 (21012023)   502871.98
3635225.90   18.66495 (21012023)
        502921.98   3635225.90   19.93940 (20122721)   502971.98
3635225.90   21.57932 (20122721)
        503021.98   3635225.90   21.44521 (19031105)   503071.98
3635225.90   21.11983 (19031105)
        503121.98   3635225.90   24.23553 (21121424)   503171.98
3635225.90   26.40066 (21121424)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                    INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635225.90 29.68239 (19121706)
503321.98 3635225.90 30.36288 (19121706) 503371.98
3635225.90 31.72632 (20070104)
503421.98 3635225.90 32.45494 (20070104) 503471.98
3635225.90 35.96396 (20101905)
503521.98 3635225.90 36.40674 (21052002) 503571.98
3635225.90 37.39073 (21081522)
503621.98 3635225.90 40.57662 (20120224) 503671.98
3635225.90 44.86912 (19072124)
504371.98 3635225.90 19.34005 (19080522) 504421.98
3635225.90 18.73804 (19062501)
504471.98 3635225.90 17.34214 (20102223) 504521.98
3635225.90 18.83043 (20043024)
504571.98 3635225.90 17.91688 (19030801) 504621.98
3635225.90 17.16913 (19030801)
502721.98 3635275.90 16.30152 (21012023) 502771.98
3635275.90 17.10648 (21012023)
502821.98 3635275.90 16.79882 (21012023) 502871.98
3635275.90 18.33723 (20122721)
502921.98 3635275.90 19.44595 (20122721) 502971.98
3635275.90 19.17400 (19031105)
503021.98 3635275.90 18.83357 (19031105) 503071.98
3635275.90 20.94923 (21121424)
503121.98 3635275.90 23.24890 (21121424) 503171.98
3635275.90 23.20559 (19112801)
503221.98 3635275.90 26.23514 (19112801) 503271.98
3635275.90 27.77913 (19121706)
503321.98 3635275.90 26.17658 (20040204) 503371.98
3635275.90 29.42038 (20070104)
503421.98 3635275.90 29.18601 (21021621) 503471.98
3635275.90 32.61764 (20101905)
503521.98 3635275.90 33.93752 (20100906) 503571.98
3635275.90 34.12981 (21081522)
503621.98 3635275.90 38.43752 (19072124) 504371.98
3635275.90 18.45450 (19061724)
504421.98 3635275.90 16.89972 (19062501) 504471.98
3635275.90 16.37568 (19062501)
504521.98 3635275.90 16.46582 (20043024) 504571.98
3635275.90 17.53817 (20043024)
504621.98 3635275.90 16.78666 (19030801) 504671.98
3635275.90 16.21159 (19030801)
502721.98 3635325.90 16.08449 (21012023) 502771.98
3635325.90 15.49840 (21012023)
502821.98 3635325.90 17.07307 (20122721) 502871.98
3635325.90 17.89686 (20122721)
502921.98 3635325.90 17.42060 (19031105) 502971.98
3635325.90 17.25706 (19031105)
503021.98 3635325.90 18.63250 (21121424) 503071.98
3635325.90 20.91164 (21121424)
503121.98 3635325.90 20.10140 (21121424) 503171.98

```
3635325.90       22.96349  (19112801)
        503221.98   3635325.90       24.79776  (19121706)                503271.98
3635325.90       23.44029  (19121706)
        503321.98   3635325.90       25.42236  (20070104)                503371.98
3635325.90       25.81730  (21021621)
        503421.98   3635325.90       28.07729  (20101905)                503471.98
3635325.90       28.56673  (19042922)
        503521.98   3635325.90       30.74838  (20100906)                503571.98
3635325.90       31.24558  (20120224)
        503621.98   3635325.90       36.53768  (19072124)                504371.98
3635325.90       17.65193  (19061724)
        504421.98   3635325.90       16.05634  (19112903)                504471.98
3635325.90       15.45552  (19062501)
        504521.98   3635325.90       14.53841  (19062501)                504571.98
3635325.90       15.95216  (20043024)
        504621.98   3635325.90       16.48658  (20043024)                504671.98
3635325.90       15.80359  (19030801)
        504721.98   3635325.90       15.38899  (19030801)                502721.98
3635375.90       14.65063  (20122721)
        502771.98   3635375.90       15.81844  (20122721)                502821.98
3635375.90       16.35061  (20122721)
        502871.98   3635375.90       15.73068  (19031105)                502921.98
3635375.90       15.58101  (19031105)
        502971.98   3635375.90       16.80596  (21121424)                503021.98
3635375.90       18.69911  (21121424)
        503071.98   3635375.90       18.35957  (21121424)                503121.98
3635375.90       20.30509  (19112801)
        503171.98   3635375.90       21.45516  (19121706)                503221.98
3635375.90       22.20530  (19121706)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 651
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FIRE     ***
                                  INCLUDING SOURCE(S):     FIRE        ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503271.98   3635375.90       21.29028  (20070104)                503321.98
3635375.90       23.30623  (20070104)
        503371.98   3635375.90       23.35090  (21021621)                503421.98
3635375.90       25.83934  (20101905)
        503471.98   3635375.90       26.36353  (21052002)                503521.98
3635375.90       27.07086  (21081522)
        503571.98   3635375.90       30.06512  (20120224)                503621.98
3635375.90       34.03900  (19072124)
        503671.98   3635375.90       29.97036  (19081022)                503721.98
3635375.90       28.75486  (19083123)
        504371.98   3635375.90       16.54215  (19060920)                504421.98
3635375.90       15.85378  (19061724)
        504471.98   3635375.90       14.44363  (19080522)                504521.98
3635375.90       14.13792  (19062501)
        504571.98   3635375.90       13.61017  (20102223)                504621.98
3635375.90       15.28444  (20043024)
        504671.98   3635375.90       15.57663  (20043024)                504721.98
3635375.90       15.10742  (19030801)
        502721.98   3635425.90       15.20559  (20122721)                502771.98
3635425.90       15.41963  (20122721)
        502821.98   3635425.90       14.75677  (20122721)                502871.98
3635425.90       14.51472  (19031105)
        502921.98   3635425.90       14.99744  (21121424)                502971.98
3635425.90       17.01651  (21121424)
        503021.98   3635425.90       17.17476  (21121424)                503071.98
3635425.90       17.83115  (19112801)
        503121.98   3635425.90       19.19194  (19112801)                503171.98
3635425.90       20.27993  (19121706)
        503221.98   3635425.90       18.53917  (20040204)                503271.98
3635425.90       20.35962  (20070104)
        503321.98   3635425.90       20.80575  (21021621)                503371.98
3635425.90       21.94955  (20101905)
        503421.98   3635425.90       22.79833  (19042922)                503471.98
3635425.90       24.18094  (20100906)
        503521.98   3635425.90       24.43327  (21081522)                503571.98
3635425.90       27.84028  (20120224)
        503621.98   3635425.90       30.61651  (19072124)                503671.98
3635425.90       26.44955  (19081022)
        503721.98   3635425.90       26.33464  (19083123)                503771.98
3635425.90       28.24741  (21041324)
        503821.98   3635425.90       30.50637  (19072223)                504371.98
3635425.90       15.50259  (19061821)
        504421.98   3635425.90       15.09150  (19060920)                504471.98
3635425.90       14.21187  (19112903)
        504521.98   3635425.90       13.42159  (19032022)                504571.98
3635425.90       12.99608  (19120819)
        504621.98   3635425.90       13.29195  (20043024)                504671.98
3635425.90       14.76089  (20043024)
        504721.98   3635425.90       14.87810  (20043024)                502721.98
```

3635475.90   14.72562 (20122721)
        502771.98   3635475.90   14.05987 (20122721)   502821.98
3635475.90   13.77767 (19031105)
        502871.98   3635475.90   13.95615 (21121424)   502921.98
3635475.90   15.81506 (21121424)
        502971.98   3635475.90   16.18207 (21121424)   503021.98
3635475.90   16.03951 (19112801)
        503071.98   3635475.90   17.47815 (19112801)   503121.98
3635475.90   18.62640 (19121706)
        503171.98   3635475.90   17.84636 (19121706)   503221.98
3635475.90   17.65023 (20070104)
        503271.98   3635475.90   18.68491 (20070104)   503321.98
3635475.90   19.01792 (21021621)
        503371.98   3635475.90   20.51282 (20101905)   503421.98
3635475.90   20.56618 (21052002)
        503471.98   3635475.90   21.84999 (20100906)   503521.98
3635475.90   22.43327 (20120224)
        503571.98   3635475.90   25.52225 (19072124)   503621.98
3635475.90   27.18249 (19072124)
        503671.98   3635475.90   23.60460 (19072123)   503721.98
3635475.90   24.14674 (21050621)
        503771.98   3635475.90   26.10516 (21041324)   503821.98
3635475.90   27.96939 (19072223)
        503871.98   3635475.90   24.69045 (19072223)   503921.98
3635475.90   24.76630 (19062722)
        504371.98   3635475.90   15.52170 (19061821)   504421.98
3635475.90   14.35868 (19060920)
        504471.98   3635475.90   13.92674 (19061724)   504521.98
3635475.90   13.13009 (19112903)
        504571.98   3635475.90   12.71313 (19032022)   504621.98
3635475.90   12.19336 (20102224)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                    INCLUDING SOURCE(S):   FIRE   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                           ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)

```
Y-COORD (M)        CONC     (YYMMDDHH)
 - - -
```

3632975.90   6.10570 (20073020)
        504621.98   3632975.90   5.89771 (20073020)   504671.98
3632975.90   5.60315 (21011323)
        504721.98   3632975.90   5.64131 (21010102)   504771.98
3632975.90   5.68967 (20011902)
        504821.98   3632975.90   5.64807 (19022705)   504871.98
3632975.90   5.77868 (21103123)
        504921.98   3632975.90   5.64660 (20121007)   504971.98
3632975.90   5.70252 (21011520)
        505021.98   3632975.90   5.60606 (21010522)   505071.98
3632975.90   5.59460 (19122301)
        505121.98   3632975.90   5.57561 (20122923)   505171.98
3632975.90   5.43519 (20122923)
        505221.98   3632975.90   5.52882 (19102119)   502221.98
3633025.90   6.94319 (19020407)
        502271.98   3633025.90   7.24992 (19020407)   502321.98
3633025.90   7.29196 (19020407)
        502371.98   3633025.90   7.29651 (19020407)   502421.98
3633025.90   7.43918 (20021921)
        502471.98   3633025.90   7.51459 (20021921)   502521.98
3633025.90   7.55095 (21110905)
        502571.98   3633025.90   8.14434 (21030103)   502621.98
3633025.90   9.78629 (21030103)
        502671.98   3633025.90   11.15387 (21030103)   502721.98
3633025.90   12.14322 (21030103)
        502771.98   3633025.90   12.62498 (21030103)   502821.98
3633025.90   12.23702 (21030103)
        502871.98   3633025.90   11.23577 (21030103)   502921.98
3633025.90   11.25889 (20121603)
        502971.98   3633025.90   11.40990 (20121603)   503021.98
3633025.90   11.70168 (20121603)
        503071.98   3633025.90   12.52738 (20090205)   503121.98
3633025.90   13.67248 (20090205)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503171.98	3633025.90	13.96423	(20090205)	503221.98	3633025.90	13.19260	(20090205)
503271.98	3633025.90	12.63557	(20102407)	503321.98	3633025.90	13.19736	(20111701)
503371.98	3633025.90	12.63476	(20111701)	503421.98	3633025.90	10.74069	(20111701)
503471.98	3633025.90	11.18159	(20090124)	503621.98	3633025.90	15.26111	(19101521)
503671.98	3633025.90	13.77424	(19101521)	503721.98	3633025.90	15.64060	(20050102)
503771.98	3633025.90	13.46604	(20022506)	503821.98	3633025.90	12.00838	(20082921)
503871.98	3633025.90	10.77215	(20082921)	503921.98	3633025.90	9.42956	(20082921)
503971.98	3633025.90	8.01138	(20081802)	504021.98	3633025.90	7.61859	(20081802)
504071.98	3633025.90	7.14440	(20080922)	504121.98	3633025.90	6.74986	(20080922)
504171.98	3633025.90	6.23090	(20080922)	504221.98	3633025.90	6.10763	(19102905)
504271.98	3633025.90	6.48810	(20081021)	504321.98	3633025.90	6.43734	(20081021)
504371.98	3633025.90	6.30598	(21013021)	504421.98	3633025.90	6.43519	(21013021)
504471.98	3633025.90	6.20229	(20073022)	504521.98	3633025.90	6.10802	(20073020)
504571.98	3633025.90	6.10843	(20073020)	504621.98	3633025.90	5.69849	(20073020)
504671.98	3633025.90	5.57011	(20082720)	504721.98	3633025.90	5.65597	(20011902)
504771.98	3633025.90	5.69769	(20080120)	504821.98	3633025.90	5.79089	(21103123)
504871.98	3633025.90	5.77074	(21103123)	504921.98	3633025.90	5.74455	(21011520)
504971.98	3633025.90	5.62993	(19121906)	505021.98	3633025.90	5.62822	(21010522)
505071.98	3633025.90	5.61661	(20122923)	505121.98	3633025.90	5.50783	(20122923)
505171.98	3633025.90	5.59967	(19102119)	505221.98	3633025.90	5.70192	(19102119)
502221.98	3633075.90	7.24087	(19091703)	502271.98	3633075.90	7.24156	(19020407)
502321.98	3633075.90	7.43612	(19020407)	502371.98	3633075.90	7.53954	(19020407)
502421.98	3633075.90	7.54397	(19020407)	502471.98			

3633075.90 7.61201 (20021921)
  502521.98 3633075.90 7.73036 (20021921) 502571.98
3633075.90 7.81719 (21110905)
  502621.98 3633075.90 8.58622 (21030103) 502671.98
3633075.90 10.18298 (21030103)
  502721.98 3633075.90 11.55102 (21030103) 502771.98
3633075.90 12.53092 (21030103)
  502821.98 3633075.90 12.72326 (21030103) 502871.98
3633075.90 12.29029 (21030103)
  502921.98 3633075.90 11.00776 (21030103) 502971.98
3633075.90 11.96105 (20121603)
  503021.98 3633075.90 11.87592 (20121603) 503071.98
3633075.90 11.58330 (20090205)
  503121.98 3633075.90 13.34656 (20090205) 503171.98
3633075.90 14.21908 (20090205)
  503221.98 3633075.90 13.99073 (20090205) 503271.98
3633075.90 12.73298 (20102407)
  503321.98 3633075.90 13.16653 (20111701) 503371.98
3633075.90 13.23235 (20111701)
  503421.98 3633075.90 11.81623 (20111701) 503471.98
3633075.90 11.22251 (20090124)
  503621.98 3633075.90 15.82883 (19101521) 503671.98
3633075.90 14.62774 (19101521)
  503721.98 3633075.90 15.83780 (20050102) 503771.98
3633075.90 12.53486 (20022506)
  503821.98 3633075.90 11.62871 (20082921) 503871.98
3633075.90 9.93711 (20082921)
  503921.98 3633075.90 9.21095 (20082921) 503971.98
3633075.90 8.33016 (20081802)
  504021.98 3633075.90 7.78575 (20081802) 504071.98
3633075.90 7.24786 (20080922)
  504121.98 3633075.90 6.82424 (20080922) 504171.98
3633075.90 6.22052 (20080922)
  504221.98 3633075.90 6.30977 (20081021) 504271.98
3633075.90 6.60995 (20081021)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3633075.90	6.49165	(20081021)	504371.98	3633075.90	6.44301	(21013021)
504421.98	3633075.90	6.30234	(20073022)	504471.98	3633075.90	6.18010	(20073022)
504521.98	3633075.90	6.22069	(20073020)	504571.98	3633075.90	5.99788	(20073020)
504621.98	3633075.90	5.61496	(20082720)	504671.98	3633075.90	5.66862	(21010102)
504721.98	3633075.90	5.78676	(20080120)	504771.98	3633075.90	5.75042	(21103123)
504821.98	3633075.90	5.86123	(21103123)	504871.98	3633075.90	5.75081	(21011520)
504921.98	3633075.90	5.67280	(19121906)	504971.98	3633075.90	5.68389	(21010522)
505021.98	3633075.90	5.67564	(20080622)	505071.98	3633075.90	5.59402	(20080622)
505121.98	3633075.90	5.66460	(19102119)	505171.98	3633075.90	5.77284	(19102119)
505221.98	3633075.90	5.60309	(19102119)	502221.98	3633125.90	7.57812	(19091703)
502271.98	3633125.90	7.59828	(19091703)	502321.98	3633125.90	7.48919	(19091703)
502371.98	3633125.90	7.62265	(19020407)	502421.98	3633125.90	7.76127	(19020407)
502471.98	3633125.90	7.73581	(19020407)	502521.98	3633125.90	7.86275	(20021921)
502571.98	3633125.90	7.99094	(20021921)	502621.98	3633125.90	8.04319	(21110905)
502671.98	3633125.90	9.00883	(21030103)	502721.98	3633125.90	10.67088	(21030103)
502771.98	3633125.90	11.91743	(21030103)	502821.98	3633125.90	12.83980	(21030103)
502871.98	3633125.90	12.94317	(21030103)	502921.98	3633125.90	12.34057	(21030103)
502971.98	3633125.90	11.18887	(20121603)	503021.98	3633125.90	12.00854	(20121603)
503071.98	3633125.90	11.62927	(20121603)	503121.98	3633125.90	12.74182	(20090205)
503171.98	3633125.90	14.18629	(20090205)	503221.98	3633125.90	14.53049	(20090205)
503271.98	3633125.90	13.57129	(20090205)	503321.98	3633125.90	13.16684	(20102407)
503371.98	3633125.90	13.62346	(20111701)	503421.98			

3633125.90   12.82438 (20111701)
        503471.98   3633125.90   11.19773 (21110603)   503621.98
3633125.90   16.38749 (19101521)
        503671.98   3633125.90   15.32624 (19101521)   503721.98
3633125.90   15.58982 (20050102)
        503771.98   3633125.90   11.49386 (19042705)   503821.98
3633125.90   11.08679 (20082921)
        503871.98   3633125.90   9.82427 (20082921)   503921.98
3633125.90   9.28602 (20082921)
        503971.98   3633125.90   8.62069 (20081802)   504021.98
3633125.90   7.83678 (20081802)
        504071.98   3633125.90   7.38886 (20080922)   504121.98
3633125.90   7.14528 (20080922)
        504171.98   3633125.90   6.49369 (21062104)   504221.98
3633125.90   6.66839 (20081021)
        504271.98   3633125.90   6.86728 (20081021)   504321.98
3633125.90   6.69153 (21090324)
        504371.98   3633125.90   6.45250 (21013021)   504421.98
3633125.90   6.44594 (20073022)
        504471.98   3633125.90   6.20541 (20073020)   504521.98
3633125.90   6.20640 (20073020)
        504571.98   3633125.90   5.75275 (20073020)   504621.98
3633125.90   5.68801 (20082720)
        504671.98   3633125.90   5.87673 (20080120)   504721.98
3633125.90   5.88671 (20080120)
        504771.98   3633125.90   5.90725 (21103123)   504821.98
3633125.90   5.71320 (21011520)
        504871.98   3633125.90   5.68444 (19121906)   504921.98
3633125.90   6.13276 (20082722)
        504971.98   3633125.90   5.87578 (20080222)   505021.98
3633125.90   5.71226 (20080622)
        505071.98   3633125.90   5.72290 (19102119)   505121.98
3633125.90   5.84330 (19102119)
        505171.98   3633125.90   5.65885 (19102119)   505221.98
3633125.90   5.69690 (20082901)
        502221.98   3633175.90   7.69211 (19091703)   502271.98
3633175.90   7.79017 (19091703)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502321.98	3633175.90	7.80565	(19091703)	502371.98	3633175.90	7.80316	(19091703)
502421.98	3633175.90	7.91866	(19020407)	502471.98	3633175.90	8.02092	(19020407)
502521.98	3633175.90	8.05067	(19020407)	502571.98	3633175.90	8.18847	(20021921)
502621.98	3633175.90	8.33768	(20021921)	502671.98	3633175.90	8.41060	(21110905)
502721.98	3633175.90	9.04586	(21030103)	502771.98	3633175.90	10.65390	(21030103)
502821.98	3633175.90	12.03848	(21030103)	502871.98	3633175.90	13.12917	(21030103)
502921.98	3633175.90	13.18001	(21030103)	502971.98	3633175.90	12.38722	(21030103)
503021.98	3633175.90	11.87284	(20121603)	503071.98	3633175.90	12.33743	(20121603)
503121.98	3633175.90	11.89108	(20090205)	503171.98	3633175.90	13.83404	(20090205)
503221.98	3633175.90	14.74939	(20090205)	503271.98	3633175.90	14.37928	(20090205)
503321.98	3633175.90	13.34939	(20102407)	503371.98	3633175.90	13.77919	(20111701)
503421.98	3633175.90	13.66520	(20111701)	503471.98	3633175.90	11.30885	(20111701)
503621.98	3633175.90	16.82942	(19101521)	503671.98	3633175.90	16.05439	(19101521)
503721.98	3633175.90	13.48841	(20050102)	503771.98	3633175.90	10.45805	(20101121)
503821.98	3633175.90	10.36169	(20082921)	503871.98	3633175.90	9.55155	(20082921)
503921.98	3633175.90	9.47964	(20082921)	503971.98	3633175.90	8.94501	(20081802)
504021.98	3633175.90	8.07123	(20081802)	504071.98	3633175.90	7.70841	(20080922)
504121.98	3633175.90	7.60694	(20080922)	504171.98	3633175.90	7.35099	(19081923)
504221.98	3633175.90	7.36653	(19081923)	504271.98	3633175.90	7.24738	(21090324)
504321.98	3633175.90	7.21401	(21090324)	504371.98	3633175.90	7.26209	(21090324)
504421.98	3633175.90	6.89099	(20072721)	504471.98			

```
3633175.90        6.30750  (20073020)
        504521.98   3633175.90        6.04622  (20073020)                504571.98
3633175.90        5.72790  (20082720)
        504621.98   3633175.90        5.93568  (20080120)                504671.98
3633175.90        6.07967  (20080120)
        504721.98   3633175.90        5.91691  (20080120)                504771.98
3633175.90        5.83177  (20081220)
        504821.98   3633175.90        5.72613  (21011520)                504871.98
3633175.90        6.00515  (20082722)
        504921.98   3633175.90        6.90419  (20080222)                504971.98
3633175.90        6.16150  (20080623)
        505021.98   3633175.90        5.77184  (19102119)                505071.98
3633175.90        5.90724  (19102119)
        505121.98   3633175.90        5.71476  (19102119)                505171.98
3633175.90        5.59681  (20012502)
        505221.98   3633175.90        5.75973  (20111118)                502221.98
3633225.90        7.66966  (19091703)
        502271.98   3633225.90        7.93094  (19091703)                502321.98
3633225.90        8.06489  (19091703)
        502371.98   3633225.90        8.22217  (19091703)                502421.98
3633225.90        8.17521  (19091703)
        502471.98   3633225.90        8.06873  (19020407)                502521.98
3633225.90        8.28091  (19020407)
        502571.98   3633225.90        8.32871  (19020407)                502621.98
3633225.90        8.48892  (20021921)
        502671.98   3633225.90        8.63174  (20021921)                502721.98
3633225.90        8.67468  (20021921)
        502771.98   3633225.90        9.37865  (21030103)                502821.98
3633225.90       11.06107  (21030103)
        502871.98   3633225.90       12.57053  (21030103)                502921.98
3633225.90       13.48703  (21030103)
        502971.98   3633225.90       13.45290  (21030103)                503021.98
3633225.90       12.31713  (21030103)
        503071.98   3633225.90       12.53927  (20121603)                503121.98
3633225.90       12.57140  (20121603)
        503171.98   3633225.90       13.10148  (20090205)                503221.98
3633225.90       14.62954  (20090205)
        503271.98   3633225.90       14.97255  (20090205)                503321.98
3633225.90       13.80571  (20090205)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 656
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FIRE     ***
                                  INCLUDING SOURCE(S):     FIRE        ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503371.98	3633225.90	13.75897	(20102407)	503421.98	3633225.90	14.38994	(20111701)
503471.98	3633225.90	12.89914	(20111701)	503621.98	3633225.90	17.35478	(19110606)
503671.98	3633225.90	16.45316	(19101521)	503721.98	3633225.90	12.55543	(19042705)
503771.98	3633225.90	10.78100	(20101121)	503821.98	3633225.90	9.88193	(20082921)
503871.98	3633225.90	9.90282	(20082921)	503921.98	3633225.90	9.49842	(20082921)
503971.98	3633225.90	9.30035	(20081802)	504021.98	3633225.90	8.71512	(20080922)
504071.98	3633225.90	8.86752	(20080922)	504121.98	3633225.90	8.69648	(20080922)
504171.98	3633225.90	8.48774	(19081923)	504221.98	3633225.90	7.60375	(19081923)
504271.98	3633225.90	7.67633	(21090324)	504321.98	3633225.90	8.13665	(21090324)
504371.98	3633225.90	8.26922	(20072721)	504421.98	3633225.90	7.65577	(20072721)
504471.98	3633225.90	6.69712	(20072721)	504521.98	3633225.90	5.89927	(20072922)
504571.98	3633225.90	5.96782	(20080120)	504621.98	3633225.90	6.24663	(20080120)
504671.98	3633225.90	6.35040	(20080120)	504721.98	3633225.90	6.19367	(20081220)
504771.98	3633225.90	6.01669	(20082722)	504821.98	3633225.90	6.50294	(20082722)
504871.98	3633225.90	6.74890	(20080222)	504921.98	3633225.90	7.47540	(20080222)
504971.98	3633225.90	6.53540	(20080623)	505021.98	3633225.90	5.96440	(19102119)
505071.98	3633225.90	5.76369	(19102119)	505121.98	3633225.90	5.64894	(20012502)
505171.98	3633225.90	5.65729	(20012502)	505221.98	3633225.90	6.15423	(20111118)
502221.98	3633275.90	7.45253	(19091703)	502271.98	3633275.90	7.82438	(19091703)
502321.98	3633275.90	8.17876	(19091703)	502371.98			

3633275.90 8.42782 (19091703)
  502421.98 3633275.90 8.50257 (19091703) 502471.98
3633275.90 8.46348 (19091703)
  502521.98 3633275.90 8.37021 (19020407) 502571.98
3633275.90 8.58425 (19020407)
  502621.98 3633275.90 8.69473 (19020407) 502671.98
3633275.90 8.78433 (20021921)
  502721.98 3633275.90 8.94987 (20021921) 502771.98
3633275.90 8.93676 (20021921)
  502821.98 3633275.90 9.35398 (21110905) 502871.98
3633275.90 11.50528 (21030103)
  502921.98 3633275.90 13.18121 (21030103) 502971.98
3633275.90 13.96214 (21030103)
  503021.98 3633275.90 13.54846 (21030103) 503071.98
3633275.90 12.10095 (20121603)
  503121.98 3633275.90 13.13156 (20121603) 503171.98
3633275.90 12.49352 (20121603)
  503221.98 3633275.90 14.13741 (20090205) 503271.98
3633275.90 15.16645 (20090205)
  503321.98 3633275.90 14.73993 (20090205) 503371.98
3633275.90 14.16669 (20102407)
  503421.98 3633275.90 14.95037 (20111701) 503471.98
3633275.90 16.04604 (20111701)
  503621.98 3633275.90 17.53169 (19110606) 503671.98
3633275.90 15.96807 (19101521)
  503721.98 3633275.90 12.37035 (19082022) 503771.98
3633275.90 10.84933 (20101121)
  503821.98 3633275.90 9.34812 (20082921) 503871.98
3633275.90 9.99727 (20082921)
  503921.98 3633275.90 10.28822 (20082921) 503971.98
3633275.90 10.64060 (20032501)
  504021.98 3633275.90 10.65703 (20080922) 504071.98
3633275.90 10.22888 (20080922)
  504121.98 3633275.90 9.93403 (20080922) 504171.98
3633275.90 9.30472 (19081923)
  504221.98 3633275.90 8.29328 (21090324) 504271.98
3633275.90 8.50181 (21090324)
  504321.98 3633275.90 9.03471 (21090324) 504371.98
3633275.90 9.89153 (20072721)
  504421.98 3633275.90 9.00146 (20072721) 504471.98
3633275.90 7.48558 (20072721)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

```
VALUES FOR SOURCE GROUP:  FIRE     ***
                                INCLUDING SOURCE(S):     FIRE        ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        504521.98   3633275.90        6.69849  (20072922)                504571.98
3633275.90        6.48861  (20080120)
        504621.98   3633275.90        6.72590  (20080120)                504671.98
3633275.90        6.87451  (20080120)
        504721.98   3633275.90        6.94224  (20082722)                504771.98
3633275.90        6.33413  (20082722)
        504821.98   3633275.90        6.83107  (20082722)                504871.98
3633275.90        7.60492  (20080222)
        504921.98   3633275.90        8.04610  (20080623)                504971.98
3633275.90        7.05379  (20080623)
        505021.98   3633275.90        6.43472  (20082901)                505071.98
3633275.90        6.29019  (20082901)
        505121.98   3633275.90        6.22274  (20111118)                505171.98
3633275.90        5.97072  (20111118)
        505221.98   3633275.90        6.62383  (20111118)                502221.98
3633325.90        8.14573  (19020624)
        502271.98   3633325.90        7.82069  (19020624)                502321.98
3633325.90        8.04082  (19091703)
        502371.98   3633325.90        8.40288  (19091703)                502421.98
3633325.90        8.65858  (19091703)
        502471.98   3633325.90        8.74053  (19091703)                502521.98
3633325.90        8.78549  (19091703)
        502571.98   3633325.90        8.64291  (19091703)                502621.98
3633325.90        8.91929  (19020407)
        502671.98   3633325.90        8.97021  (19020407)                502721.98
3633325.90        9.10195  (20021921)
        502771.98   3633325.90        9.32430  (20021921)                502821.98
3633325.90        9.23420  (20021921)
        502871.98   3633325.90       10.26767  (21030103)                502921.98
3633325.90       12.28441  (21030103)
        502971.98   3633325.90       13.80378  (21030103)                503021.98
3633325.90       14.37277  (21030103)
        503071.98   3633325.90       13.77405  (21030103)                503121.98
3633325.90       13.01615  (20121603)
        503171.98   3633325.90       13.49226  (20121603)                503221.98
3633325.90       13.60769  (21063005)
        503271.98   3633325.90       14.91760  (20090205)                503321.98
```

3633325.90   15.39487 (20090205)
        503371.98   3633325.90   14.23410 (20102407)   503421.98
3633325.90   16.92565 (20111701)
        503471.98   3633325.90   15.35106 (20111701)   503621.98
3633325.90   16.57866 (19110606)
        503671.98   3633325.90   14.89173 (19082022)   503721.98
3633325.90   12.21589 (19082022)
        503771.98   3633325.90   11.07264 (20101121)   503821.98
3633325.90   9.97281 (20082921)
        503871.98   3633325.90   10.47724 (20082921)   503921.98
3633325.90   12.54405 (20082921)
        503971.98   3633325.90   12.73718 (20032501)   504021.98
3633325.90   12.35124 (20080922)
        504071.98   3633325.90   11.60624 (20080922)   504121.98
3633325.90   11.72284 (21062104)
        504171.98   3633325.90   10.32629 (19081923)   504221.98
3633325.90   9.15731 (21090324)
        504271.98   3633325.90   9.64427 (21090324)   504321.98
3633325.90   10.58119 (20072721)
        504371.98   3633325.90   11.37558 (20072721)   504421.98
3633325.90   10.22798 (20072721)
        504471.98   3633325.90   8.68908 (20072922)   504521.98
3633325.90   7.60043 (20072922)
        504571.98   3633325.90   7.28873 (20080120)   504621.98
3633325.90   7.49754 (20080120)
        504671.98   3633325.90   8.12881 (20082722)   504721.98
3633325.90   7.98842 (20082722)
        504771.98   3633325.90   7.04426 (20082722)   504821.98
3633325.90   7.19518 (20080222)
        504871.98   3633325.90   8.41284 (20080222)   504921.98
3633325.90   8.74863 (20080623)
        504971.98   3633325.90   8.08872 (20082901)   505021.98
3633325.90   7.62568 (20082901)
        505071.98   3633325.90   7.79986 (20111118)   505121.98
3633325.90   7.25763 (20111118)
        505171.98   3633325.90   6.75084 (20111118)   505221.98
3633325.90   7.41411 (20111118)
        502221.98   3633375.90   8.88630 (19020624)   502271.98
3633375.90   8.68783 (19020624)
        502321.98   3633375.90   8.35640 (19020624)   502371.98
3633375.90   8.15143 (19091703)
        502421.98   3633375.90   8.56268 (19091703)   502471.98
3633375.90   8.86556 (19091703)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***

INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502521.98	3633375.90	9.07815	(19091703)	502571.98	3633375.90	9.14974	(19091703)
502621.98	3633375.90	9.02460	(19091703)	502671.98	3633375.90	9.19671	(19020407)
502721.98	3633375.90	9.27438	(19020407)	502771.98	3633375.90	9.42453	(20021921)
502821.98	3633375.90	9.58230	(20021921)	502871.98	3633375.90	9.50649	(21110905)
502921.98	3633375.90	10.83100	(21030103)	502971.98	3633375.90	12.96091	(21030103)
503021.98	3633375.90	14.48604	(21030103)	503071.98	3633375.90	14.91496	(21030103)
503121.98	3633375.90	13.88412	(21030103)	503171.98	3633375.90	13.79587	(20121603)
503221.98	3633375.90	13.56293	(20121603)	503271.98	3633375.90	15.05777	(21063005)
503321.98	3633375.90	15.72456	(20090205)	503371.98	3633375.90	15.21635	(20090205)
503421.98	3633375.90	18.37625	(20102407)	503471.98	3633375.90	18.98590	(20111701)
503621.98	3633375.90	18.27692	(19110606)	503671.98	3633375.90	15.58507	(19082022)
503721.98	3633375.90	13.40142	(19082022)	503771.98	3633375.90	12.01335	(20101121)
503821.98	3633375.90	13.75889	(20082921)	503871.98	3633375.90	13.79028	(20082921)
503921.98	3633375.90	15.54460	(20082921)	503971.98	3633375.90	14.59492	(20082921)
504021.98	3633375.90	13.56522	(20080922)	504071.98	3633375.90	12.73672	(20080922)
504121.98	3633375.90	13.42597	(20081021)	504171.98	3633375.90	11.39776	(20081021)
504221.98	3633375.90	10.62719	(21090324)	504271.98	3633375.90	11.78251	(20083021)
504321.98	3633375.90	13.24295	(20073022)	504371.98			

```
3633375.90       12.78153  (20073020)
        504421.98   3633375.90       11.10405  (20072721)                504471.98
3633375.90        9.64485  (20072922)
        504521.98   3633375.90        8.29064  (20072922)                504571.98
3633375.90        8.36329  (20080120)
        504621.98   3633375.90        8.69424  (20082722)                504671.98
3633375.90        9.51548  (20082722)
        504721.98   3633375.90        8.92363  (20080222)                504771.98
3633375.90        7.86477  (20080222)
        504821.98   3633375.90        8.13415  (20080222)                504871.98
3633375.90        9.64176  (20080623)
        504921.98   3633375.90        9.57275  (20080220)                504971.98
3633375.90        9.08082  (20082901)
        505021.98   3633375.90        8.99574  (20111118)                505071.98
3633375.90        8.76845  (20111118)
        505121.98   3633375.90        7.92355  (20111118)                505171.98
3633375.90        7.48961  (20111118)
        505221.98   3633375.90        8.22430  (20111118)                502221.98
3633425.90        9.23443  (19020624)
        502271.98   3633425.90        9.17947  (19020624)                502321.98
3633425.90        8.97095  (19020624)
        502371.98   3633425.90        8.69246  (19020624)                502421.98
3633425.90        8.32541  (19020624)
        502471.98   3633425.90        8.82746  (19091703)                502521.98
3633425.90        9.19790  (19091703)
        502571.98   3633425.90        9.43398  (19091703)                502621.98
3633425.90        9.55118  (19091703)
        502671.98   3633425.90        9.41824  (19091703)                502721.98
3633425.90        9.47337  (19020407)
        502771.98   3633425.90        9.57873  (19020407)                502821.98
3633425.90        9.71529  (20021921)
        502871.98   3633425.90        9.88501  (20021921)                502921.98
3633425.90        9.92071  (21110905)
        502971.98   3633425.90       11.46607  (21030103)                503021.98
3633425.90       13.81903  (21030103)
        503071.98   3633425.90       15.31414  (21030103)                503121.98
3633425.90       15.48525  (21030103)
        503171.98   3633425.90       13.82572  (21030103)                503221.98
3633425.90       14.39478  (20121603)
        503271.98   3633425.90       14.12925  (21063005)                503321.98
3633425.90       16.10316  (21063005)
        503371.98   3633425.90       16.50547  (20090205)                503421.98
3633425.90       18.48084  (20102407)
        503471.98   3633425.90       19.42408  (20111701)                503621.98
3633425.90       19.66666  (19110606)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503671.98	3633425.90	19.10405	(19101521)	503721.98	3633425.90	14.94761	(19082022)
503771.98	3633425.90	13.02305	(19091221)	503821.98	3633425.90	15.72790	(20082921)
503871.98	3633425.90	17.67538	(20082921)	503921.98	3633425.90	18.50353	(20082921)
503971.98	3633425.90	15.48244	(20082921)	504021.98	3633425.90	14.62143	(20080921)
504071.98	3633425.90	14.35802	(21062104)	504121.98	3633425.90	15.56090	(20081021)
504171.98	3633425.90	14.35984	(20081021)	504221.98	3633425.90	13.95856	(20083021)
504271.98	3633425.90	15.56580	(20073022)	504321.98	3633425.90	16.00615	(20073022)
504371.98	3633425.90	14.13688	(20073020)	504421.98	3633425.90	11.99066	(20080120)
504471.98	3633425.90	10.85076	(20080120)	504521.98	3633425.90	9.33744	(20080120)
504571.98	3633425.90	9.45879	(20080120)	504621.98	3633425.90	10.24452	(20082722)
504671.98	3633425.90	11.01482	(20080222)	504721.98	3633425.90	10.88373	(20080222)
504771.98	3633425.90	9.75776	(20080222)	504821.98	3633425.90	8.92842	(20080623)
504871.98	3633425.90	10.63801	(20080220)	504921.98	3633425.90	10.03493	(20080220)
504971.98	3633425.90	9.89659	(20111118)	505021.98	3633425.90	9.43475	(20111118)
505071.98	3633425.90	8.76195	(20111118)	505121.98	3633425.90	8.22511	(20111118)
505171.98	3633425.90	8.20224	(21011418)	505221.98	3633425.90	9.21171	(21011418)
502221.98	3633475.90	9.29103	(19020624)	502271.98			

```
3633475.90        9.42506  (19020624)
        502321.98   3633475.90        9.46603  (19020624)                502371.98
3633475.90        9.40987  (19020624)
        502421.98   3633475.90        9.22927  (19020624)                502471.98
3633475.90        9.18707  (19020624)
        502521.98   3633475.90        8.91657  (19091703)                502571.98
3633475.90        9.35609  (19091703)
        502621.98   3633475.90        9.72358  (19091703)                502671.98
3633475.90        9.82705  (19091703)
        504771.98   3633475.90       12.16152  (20080623)                504821.98
3633475.90       11.83636  (20080220)
        504871.98   3633475.90       11.19783  (20080220)                504921.98
3633475.90       11.18773  (20081921)
        504971.98   3633475.90       11.01911  (20111118)                505021.98
3633475.90       10.03307  (20111118)
        505071.98   3633475.90        9.20299  (20111118)                505121.98
3633475.90        8.91924  (21011418)
        505171.98   3633475.90        9.01672  (21011418)                505221.98
3633475.90        9.65543  (21011418)
        502221.98   3633525.90        9.49169  (19020622)                502271.98
3633525.90        9.51730  (19020622)
        502321.98   3633525.90        9.65319  (19020624)                502371.98
3633525.90        9.93064  (19020624)
        502421.98   3633525.90       10.09528  (19020624)                502471.98
3633525.90       10.18424  (19020624)
        502521.98   3633525.90        9.53622  (19020624)                502571.98
3633525.90        8.96132  (21111004)
        502621.98   3633525.90        9.43320  (19091703)                502671.98
3633525.90        9.84185  (19091703)
        504771.98   3633525.90       12.41014  (20080220)                504821.98
3633525.90       11.56470  (20080220)
        504871.98   3633525.90       11.76327  (20081921)                504921.98
3633525.90       12.05220  (20111118)
        504971.98   3633525.90       12.29461  (20082222)                505021.98
3633525.90       11.67194  (20082222)
        505071.98   3633525.90       10.42370  (21011418)                505121.98
3633525.90        9.64705  (21011418)
        505171.98   3633525.90        9.51774  (21011418)                505221.98
3633525.90        9.68144  (21011418)
        502221.98   3633575.90        9.71690  (19020622)                502271.98
3633575.90        9.62049  (19020622)
        502321.98   3633575.90        9.75204  (19020622)                502371.98
3633575.90        9.97201  (19020622)
        502421.98   3633575.90       10.30251  (19020624)                502471.98
3633575.90       10.37231  (19020624)
        502521.98   3633575.90       10.22042  (19020624)                502571.98
3633575.90        9.82288  (19020624)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633575.90	9.54049	(21111004)	502671.98	3633575.90	9.58576	(19091703)
504771.98	3633575.90	12.24210	(20081921)	504821.98	3633575.90	12.46637	(20081921)
504871.98	3633575.90	12.78917	(20111118)	504921.98	3633575.90	13.04552	(20082222)
504971.98	3633575.90	13.67639	(20082222)	505021.98	3633575.90	13.34878	(20082222)
505071.98	3633575.90	11.56567	(20082222)	505121.98	3633575.90	10.34470	(21011418)
505171.98	3633575.90	9.77953	(21011418)	505221.98	3633575.90	9.67283	(21011418)
502221.98	3633625.90	10.25535	(20051205)	502271.98	3633625.90	9.57307	(20051205)
502321.98	3633625.90	9.73352	(19020622)	502371.98	3633625.90	10.11529	(19020622)
502421.98	3633625.90	10.45433	(19020622)	502471.98	3633625.90	10.38229	(19020624)
502521.98	3633625.90	10.80941	(19020624)	502571.98	3633625.90	10.86140	(19020624)
502621.98	3633625.90	10.70583	(19020624)	502671.98	3633625.90	10.26878	(21111004)
504771.98	3633625.90	13.25098	(20111118)	504821.98	3633625.90	13.72508	(20082222)
504871.98	3633625.90	14.24656	(20082222)	504921.98	3633625.90	14.40356	(20082222)
504971.98	3633625.90	14.36646	(20082222)	505021.98	3633625.90	13.59652	(20082222)
505071.98	3633625.90	11.71374	(21011418)	505121.98	3633625.90	10.52092	(21011418)
505171.98	3633625.90	9.56963	(21011418)	505221.98			

```
3633625.90        9.81453  (20081722)
        502221.98   3633675.90       10.54089  (20051205)                502271.98
3633675.90       10.22462  (20051205)
        502321.98   3633675.90       10.20210  (20051205)                502371.98
3633675.90       10.02290  (20051205)
        502421.98   3633675.90       10.29040  (19020622)                502471.98
3633675.90       10.63957  (19020622)
        502521.98   3633675.90       10.92869  (19020622)                502571.98
3633675.90       11.13209  (19020624)
        502621.98   3633675.90       11.32869  (19020624)                502671.98
3633675.90       11.23160  (19020624)
        504771.98   3633675.90       14.67817  (20082222)                504821.98
3633675.90       15.49170  (20082222)
        504871.98   3633675.90       15.59668  (20082222)                504921.98
3633675.90       15.11474  (20082222)
        504971.98   3633675.90       14.15085  (20082222)                505021.98
3633675.90       12.81255  (20081722)
        505071.98   3633675.90       11.68611  (20081722)                505121.98
3633675.90        9.95005  (20081722)
        505171.98   3633675.90        9.26134  (20081722)                505221.98
3633675.90        9.71838  (20080422)
        502221.98   3633725.90       10.48314  (20051205)                502271.98
3633725.90       10.46402  (20051205)
        502321.98   3633725.90       10.74566  (20051205)                502371.98
3633725.90       10.85288  (20051205)
        502421.98   3633725.90       10.80801  (20051205)                502471.98
3633725.90       10.68907  (20051205)
        502521.98   3633725.90       10.89181  (19020622)                502571.98
3633725.90       11.30738  (19020622)
        502621.98   3633725.90       11.48298  (19020622)                502671.98
3633725.90       11.74509  (19020624)
        504771.98   3633725.90       16.61494  (20082222)                504821.98
3633725.90       16.35746  (20082222)
        504871.98   3633725.90       15.60895  (20082222)                504921.98
3633725.90       14.37486  (20080522)
        504971.98   3633725.90       13.54125  (20081722)                505021.98
3633725.90       12.80566  (20081722)
        505071.98   3633725.90       11.06400  (20081722)                505121.98
3633725.90        9.35083  (21091121)
        505171.98   3633725.90        9.75690  (20072623)                505221.98
3633725.90       10.48163  (20072623)
        502221.98   3633775.90       10.63503  (20081801)                502271.98
3633775.90       10.69359  (20081801)
        502321.98   3633775.90       11.04556  (20081801)                502371.98
3633775.90       11.21609  (20051205)
        502421.98   3633775.90       11.53813  (20051205)                502471.98
3633775.90       11.51847  (20051205)
        502521.98   3633775.90       11.55281  (20051205)                502571.98
3633775.90       11.30156  (20051205)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3633775.90   11.54180 (19020622)   502671.98
3633775.90   11.90472 (19020622)
        504771.98   3633775.90   18.36447 (21120121)   504821.98
3633775.90   17.28904 (21021801)
        504871.98   3633775.90   15.92707 (20021024)   504921.98
3633775.90   14.35818 (20073102)
        504971.98   3633775.90   13.64372 (20080422)   505021.98
3633775.90   12.83852 (20080422)
        505071.98   3633775.90   11.32201 (20072623)   505121.98
3633775.90   10.30775 (20072623)
        505171.98   3633775.90   10.43750 (20072623)   505221.98
3633775.90   10.86417 (20072623)
        502221.98   3633825.90   10.54270 (20081801)   502271.98
3633825.90   10.72175 (20081801)
        502321.98   3633825.90   11.16795 (20081801)   502371.98
3633825.90   11.50857 (20081801)
        502421.98   3633825.90   11.72715 (20081801)   502471.98
3633825.90   11.82038 (20081801)
        502521.98   3633825.90   12.10872 (20051205)   502571.98
3633825.90   12.31938 (20051205)
        502621.98   3633825.90   12.33831 (20051205)   502671.98
3633825.90   11.89519 (21012317)
        504771.98   3633825.90   19.06619 (21011022)   504821.98
3633825.90   18.32717 (21122302)
        504871.98   3633825.90   14.87617 (20073102)   504921.98
3633825.90   13.78104 (20080422)
        504971.98   3633825.90   13.20063 (20080422)   505021.98
3633825.90   12.81096 (20072623)
        505071.98   3633825.90   11.89537 (20072623)   505121.98

3633825.90 10.49764 (20090223)
505171.98 3633825.90 10.56731 (20090223) 505221.98
3633825.90 10.66728 (20090223)
502221.98 3633875.90 10.07337 (20052001) 502271.98
3633875.90 10.24355 (20081801)
502321.98 3633875.90 10.89714 (20081801) 502371.98
3633875.90 11.29666 (20081801)
502421.98 3633875.90 11.77302 (20081801) 502471.98
3633875.90 12.06446 (20081801)
502521.98 3633875.90 12.43429 (20081801) 502571.98
3633875.90 12.70970 (20081801)
502621.98 3633875.90 13.04174 (20051205) 502671.98
3633875.90 13.14929 (20051205)
504771.98 3633875.90 19.83871 (21122302) 504821.98
3633875.90 17.97729 (21021921)
504871.98 3633875.90 15.06352 (20080422) 504921.98
3633875.90 13.72273 (20072623)
504971.98 3633875.90 12.94561 (20072623) 505021.98
3633875.90 11.99446 (20072623)
505071.98 3633875.90 11.62309 (20090223) 505121.98
3633875.90 10.93806 (20090223)
505171.98 3633875.90 10.93977 (20082223) 505221.98
3633875.90 11.90499 (20082223)
502221.98 3633925.90 10.44815 (20082804) 502271.98
3633925.90 10.18843 (21111003)
502321.98 3633925.90 10.53624 (21111003) 502371.98
3633925.90 10.65387 (20052001)
502421.98 3633925.90 11.29335 (20081801) 502471.98
3633925.90 11.81903 (20081801)
502521.98 3633925.90 12.40888 (20081801) 502571.98
3633925.90 12.93767 (20081801)
502621.98 3633925.90 13.36429 (20081801) 502671.98
3633925.90 13.57727 (20081801)
504771.98 3633925.90 20.07925 (21011720) 504821.98
3633925.90 17.79026 (21011221)
504871.98 3633925.90 15.36977 (20080523) 504921.98
3633925.90 13.64052 (20072623)
504971.98 3633925.90 12.29546 (20090223) 505021.98
3633925.90 11.74970 (20090223)
505071.98 3633925.90 11.40138 (20082223) 505121.98
3633925.90 11.79138 (20082223)
505171.98 3633925.90 12.54745 (20082223) 505221.98
3633925.90 12.90211 (20082223)
502221.98 3633975.90 12.03224 (20082804) 502271.98
3633975.90 11.62783 (20082804)
502321.98 3633975.90 11.54622 (20082804) 502371.98
3633975.90 11.46749 (20082804)
502421.98 3633975.90 11.24097 (20082804) 502471.98
3633975.90 11.42437 (21111003)
502521.98 3633975.90 11.88309 (20052001) 502571.98

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
INCLUDING SOURCE(S):   FIRE   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633975.90	13.16433	(20081801)	502671.98	3633975.90	13.72740	(20081801)
504771.98	3633975.90	19.52695	(20121406)	504821.98	3633975.90	18.25579	(21033120)
504871.98	3633975.90	16.93301	(21033120)	504921.98	3633975.90	15.16205	(19121305)
504971.98	3633975.90	12.29133	(20082223)	505021.98	3633975.90	11.34321	(20082223)
505071.98	3633975.90	11.22542	(20082223)	505121.98	3633975.90	12.51939	(20082223)
505171.98	3633975.90	12.87178	(20082223)	505221.98	3633975.90	12.63374	(20082223)
502221.98	3634025.90	12.98294	(20082804)	502271.98	3634025.90	12.74613	(20082804)
502321.98	3634025.90	12.88284	(20082804)	502371.98	3634025.90	12.97119	(20082804)
502421.98	3634025.90	12.98594	(20082804)	502471.98	3634025.90	12.89617	(20082804)
502521.98	3634025.90	12.72234	(20082804)	502571.98	3634025.90	12.45276	(20082804)
502621.98	3634025.90	12.77151	(20052001)	502671.98	3634025.90	13.28770	(20052001)
504771.98	3634025.90	18.68864	(19121305)	504821.98	3634025.90	19.07434	(19121305)
504871.98	3634025.90	17.43622	(19121305)	504921.98	3634025.90	15.37030	(20082223)
504971.98	3634025.90	11.76248	(20081222)	505021.98			

3634025.90 11.06960 (20081222)
505071.98 3634025.90 10.94568 (20081222) 505121.98
3634025.90 11.64651 (20082223)
505171.98 3634025.90 12.27640 (20092021) 505221.98
3634025.90 12.22179 (20092021)
502221.98 3634075.90 12.73125 (20082804) 502271.98
3634075.90 12.94674 (20082804)
502321.98 3634075.90 13.30459 (20082804) 502371.98
3634075.90 13.62456 (20082804)
502421.98 3634075.90 13.86814 (20082804) 502471.98
3634075.90 14.15118 (20082804)
502521.98 3634075.90 14.45449 (20082804) 502571.98
3634075.90 14.81187 (20082804)
502621.98 3634075.90 14.45161 (20082804) 502671.98
3634075.90 14.48248 (20082804)
504771.98 3634075.90 19.51422 (19121305) 504821.98
3634075.90 18.31277 (20082223)
504871.98 3634075.90 15.77330 (20082223) 504921.98
3634075.90 13.03964 (20082223)
504971.98 3634075.90 11.39271 (20081222) 505021.98
3634075.90 10.52575 (20081222)
505071.98 3634075.90 10.39924 (20081222) 505121.98
3634075.90 11.03364 (20092021)
505171.98 3634075.90 11.83983 (20092021) 505221.98
3634075.90 11.69036 (20020703)
502221.98 3634125.90 11.62267 (19083104) 502271.98
3634125.90 12.20727 (20082804)
502321.98 3634125.90 12.69150 (20082804) 502371.98
3634125.90 13.34949 (20082804)
502421.98 3634125.90 13.89406 (20082804) 502471.98
3634125.90 14.45085 (20082804)
502521.98 3634125.90 14.98889 (20082804) 502571.98
3634125.90 15.52878 (20082804)
502621.98 3634125.90 16.39746 (20082804) 502671.98
3634125.90 17.17702 (20082804)
504771.98 3634125.90 16.46089 (20082223) 504821.98
3634125.90 15.24353 (20092021)
504871.98 3634125.90 13.53329 (20092021) 504921.98
3634125.90 11.07801 (20081222)
504971.98 3634125.90 10.64616 (21020219) 505021.98
3634125.90 10.22236 (21020219)
505071.98 3634125.90 10.64378 (21121518) 505121.98
3634125.90 11.61770 (21121518)
505171.98 3634125.90 11.92626 (21122121) 505221.98
3634125.90 12.73863 (21122121)
502221.98 3634175.90 11.03655 (19083104) 502271.98
3634175.90 11.48383 (19083104)
502321.98 3634175.90 11.82878 (19083104) 502371.98
3634175.90 12.98600 (19083104)
502421.98 3634175.90 13.38845 (19083104) 502471.98

3634175.90   13.77859 (19083104)
        502521.98   3634175.90   14.17260 (20082804)   502571.98
3634175.90   15.05333 (20082804)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3634175.90   15.99454 (20082804)   502671.98
3634175.90   17.15373 (20082804)
        504771.98   3634175.90   12.88536 (21020219)   504821.98
3634175.90   12.06603 (21020219)
        504871.98   3634175.90   11.40963 (21020219)   504921.98
3634175.90   11.22550 (20080321)
        504971.98   3634175.90   11.13628 (20080321)   505021.98
3634175.90   11.43836 (20080321)
        505071.98   3634175.90   11.34033 (20080321)   505121.98
3634175.90   12.16461 (20080321)
        505171.98   3634175.90   12.95789 (19102022)   505221.98
3634175.90   13.80039 (19102022)
        502221.98   3634225.90   10.39907 (20031924)   502271.98
3634225.90   10.56212 (20031924)
        502321.98   3634225.90   11.05433 (19083104)   502371.98
3634225.90   12.04813 (19083104)
        502421.98   3634225.90   12.74312 (19083104)   502471.98
3634225.90   13.37968 (19083104)
        502521.98   3634225.90   13.92698 (19083104)   502571.98
3634225.90   14.73276 (19083104)
        502621.98   3634225.90   15.52761 (19083104)   502671.98
3634225.90   16.48971 (19083104)
        504771.98   3634225.90   11.00511 (20080321)   504821.98
3634225.90   10.42851 (20080321)
        504871.98   3634225.90   11.56843 (20080321)   504921.98

```
3634225.90       11.57353  (20080321)
        504971.98   3634225.90       12.47733  (20080321)                505021.98
3634225.90       12.07618  (20080321)
        505071.98   3634225.90       11.69947  (20080321)                505121.98
3634225.90       12.03809  (20080321)
        505171.98   3634225.90       11.67589  (20080321)                505221.98
3634225.90       13.21941  (20013123)
        502221.98   3634275.90       10.48328  (20031924)                502271.98
3634275.90       10.73772  (20031924)
        502321.98   3634275.90       11.18094  (20031924)                502371.98
3634275.90       11.93846  (20031924)
        502421.98   3634275.90       12.34592  (20031924)                502471.98
3634275.90       12.71298  (20031924)
        502521.98   3634275.90       13.12716  (20031924)                502571.98
3634275.90       13.53309  (20031924)
        502621.98   3634275.90       14.06366  (20031924)                502671.98
3634275.90       14.88259  (19083104)
        504771.98   3634275.90       10.23363  (21062423)                504821.98
3634275.90       10.30353  (19031020)
        504871.98   3634275.90       11.29195  (19031020)                504921.98
3634275.90       11.97424  (19031020)
        504971.98   3634275.90       13.01199  (20092120)                505021.98
3634275.90       12.06931  (20092120)
        505071.98   3634275.90       11.92466  (20092120)                505121.98
3634275.90       12.82668  (20092120)
        505171.98   3634275.90       12.11708  (20092120)                505221.98
3634275.90       13.00317  (20092120)
        502221.98   3634325.90       10.33010  (21120323)                502271.98
3634325.90       10.64685  (21120323)
        502321.98   3634325.90       10.95382  (21120323)                502371.98
3634325.90       11.29679  (21120323)
        502421.98   3634325.90       11.68128  (20021803)                502471.98
3634325.90       12.09745  (20021803)
        502521.98   3634325.90       12.61222  (20021803)                502571.98
3634325.90       13.18979  (20021803)
        502621.98   3634325.90       13.84893  (20021803)                502671.98
3634325.90       14.77820  (20050203)
        504771.98   3634325.90       10.81688  (19031020)                504821.98
3634325.90       12.23389  (20092120)
        504871.98   3634325.90       13.27268  (20092120)                504921.98
3634325.90       14.53501  (20092120)
        504971.98   3634325.90       15.04898  (20092120)                505021.98
3634325.90       13.43795  (20092120)
        505071.98   3634325.90       13.10371  (20092120)                505121.98
3634325.90       14.09224  (20092120)
        505171.98   3634325.90       13.30783  (20092120)                505221.98
3634325.90       13.37990  (20092120)
        502221.98   3634375.90       10.38119  (19100903)                502271.98
3634375.90       10.64606  (19100903)
        502321.98   3634375.90       10.72320  (19100903)                502371.98
```

3634375.90 10.93021 (20021807)
  502421.98 3634375.90 11.58611 (19100903) 502471.98
3634375.90 12.16906 (19100903)
  502521.98 3634375.90 12.99791 (20021803) 502571.98
3634375.90 13.74757 (20021803)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634375.90	14.29329	(20021803)	502671.98	3634375.90	14.87614	(20021803)
504771.98	3634375.90	12.32207	(19032520)	504821.98	3634375.90	14.76860	(20092120)
504871.98	3634375.90	14.97444	(20092120)	504921.98	3634375.90	15.30891	(20092120)
504971.98	3634375.90	14.88121	(20092120)	505021.98	3634375.90	13.34825	(20092120)
505071.98	3634375.90	13.16930	(20092120)	505121.98	3634375.90	14.26569	(21021007)
505171.98	3634375.90	13.22924	(20092120)	505221.98	3634375.90	12.76659	(20092120)
502221.98	3634425.90	12.08702	(21021102)	502271.98	3634425.90	12.46877	(21021102)
502321.98	3634425.90	12.73569	(21021102)	502371.98	3634425.90	13.02085	(21021102)
502421.98	3634425.90	13.68611	(21021102)	502471.98	3634425.90	14.04911	(21021102)
502521.98	3634425.90	14.63839	(21021102)	502571.98	3634425.90	15.22706	(21021102)
502621.98	3634425.90	15.94600	(21021102)	502671.98	3634425.90	16.73535	(21021102)
504771.98	3634425.90	15.29755	(20041201)	504821.98			

3634425.90 15.30717 (20041201)
504871.98 3634425.90 15.60052 (20011720) 504921.98
3634425.90 17.44731 (20011720)
504971.98 3634425.90 14.79722 (20011720) 505021.98
3634425.90 14.12732 (19041420)
505071.98 3634425.90 14.55315 (21101921) 505121.98
3634425.90 14.79006 (21101921)
505171.98 3634425.90 13.60091 (21101921) 505221.98
3634425.90 12.78353 (19041420)
502221.98 3634475.90 12.98942 (21021102) 502271.98
3634475.90 13.37799 (21021102)
502321.98 3634475.90 13.75858 (21021102) 502371.98
3634475.90 14.17817 (21021102)
502421.98 3634475.90 14.63688 (21021102) 502471.98
3634475.90 15.09897 (21021102)
502521.98 3634475.90 15.79096 (21021102) 502571.98
3634475.90 16.49353 (21021102)
502621.98 3634475.90 17.29366 (21021102) 502671.98
3634475.90 18.24098 (21021102)
504771.98 3634475.90 17.36186 (20041201) 504821.98
3634475.90 16.97028 (20041201)
504871.98 3634475.90 16.49452 (20041201) 504921.98
3634475.90 19.17771 (21013119)
504971.98 3634475.90 18.42372 (21013119) 505021.98
3634475.90 17.76089 (21013119)
505071.98 3634475.90 17.36787 (21013119) 505121.98
3634475.90 16.64051 (21013119)
505171.98 3634475.90 15.60369 (21013119) 505221.98
3634475.90 14.52258 (21013119)
502221.98 3634525.90 12.58510 (21021102) 502271.98
3634525.90 12.80891 (21021102)
502321.98 3634525.90 13.07695 (21021102) 502371.98
3634525.90 13.39811 (21021102)
502421.98 3634525.90 13.69822 (21021102) 502471.98
3634525.90 14.06220 (21021102)
502521.98 3634525.90 14.60390 (19101801) 502571.98
3634525.90 15.60686 (19101801)
502621.98 3634525.90 16.76939 (19101801) 502671.98
3634525.90 18.32956 (19101801)
504771.98 3634525.90 17.15017 (20041201) 504821.98
3634525.90 16.87898 (20041201)
504871.98 3634525.90 16.31053 (20041201) 504921.98
3634525.90 17.66871 (21090306)
504971.98 3634525.90 16.73219 (21090306) 505021.98
3634525.90 16.16556 (21090306)
505071.98 3634525.90 15.80607 (21013119) 505121.98
3634525.90 15.79634 (21013119)
505171.98 3634525.90 15.20214 (21013119) 505221.98
3634525.90 14.13893 (21013119)
502221.98 3634575.90 12.74339 (19101801) 502271.98

3634575.90   12.99023 (19101801)
        502321.98   3634575.90   13.45855 (19101801)   502371.98
3634575.90   14.04065 (19101801)
        502421.98   3634575.90   14.71205 (19101801)   502471.98
3634575.90   15.49123 (19101801)
        502521.98   3634575.90   16.32503 (19101801)   502571.98
3634575.90   17.30756 (19101801)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                  INCLUDING SOURCE(S):   FIRE   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3634625.90       17.24807  (19101801)
        504771.98   3634625.90       17.67814  (21020220)                504821.98
3634625.90       15.74133  (21020220)
        504871.98   3634625.90       15.53658  (21032601)                504921.98
3634625.90       15.45532  (21032601)
        504971.98   3634625.90       16.00934  (21032601)                505021.98
3634625.90       16.48655  (21032601)
        505071.98   3634625.90       16.33142  (21032601)                505121.98
3634625.90       15.43818  (21032601)
        505171.98   3634625.90       12.97397  (20081806)                505221.98
3634625.90       12.46217  (20081806)
        502221.98   3634675.90       12.61144  (19101801)                502271.98
3634675.90       12.93781  (19101801)
        502321.98   3634675.90       13.11452  (19101801)                502371.98
3634675.90       13.13500  (19101801)
        502421.98   3634675.90       13.62517  (19020620)                502471.98
3634675.90       14.45885  (19050903)
        502521.98   3634675.90       15.38333  (19050903)                502571.98
3634675.90       16.48161  (19050903)
        502621.98   3634675.90       17.62420  (19050903)                502671.98
3634675.90       18.64549  (19050903)
        504771.98   3634675.90       13.08983  (19081821)                504821.98
3634675.90       12.84203  (19081821)
        504871.98   3634675.90       13.56948  (21020220)                504921.98
3634675.90       14.00108  (21020220)
        504971.98   3634675.90       14.66335  (21020220)                505021.98
3634675.90       16.36142  (21020220)
        505071.98   3634675.90       16.48306  (21032601)                505121.98
3634675.90       16.00950  (21032601)
        505171.98   3634675.90       13.58529  (21032601)                505221.98
3634675.90       12.53273  (20081806)
        502221.98   3634725.90       12.15962  (19050903)                502271.98
3634725.90       12.78398  (19050903)
        502321.98   3634725.90       13.11992  (19050903)                502371.98
3634725.90       13.66229  (19050903)
        502421.98   3634725.90       14.47489  (19050903)                502471.98
3634725.90       15.11117  (19050903)
        502521.98   3634725.90       15.55273  (19050903)                502571.98
3634725.90       16.15495  (19050903)
        502621.98   3634725.90       16.49277  (19050903)                502671.98
3634725.90       17.19493  (20030821)
        504771.98   3634725.90       12.91879  (20102019)                504821.98
3634725.90       12.23857  (20102019)
        504871.98   3634725.90       11.85698  (19030607)                504921.98
3634725.90       12.27321  (19022319)
        504971.98   3634725.90       12.73220  (19022319)                505021.98
3634725.90       13.76507  (21020220)
        505071.98   3634725.90       13.38102  (19022319)                505121.98
3634725.90       13.17621  (21032601)
        505171.98   3634725.90       12.42723  (19022319)                505221.98
```

```
3634725.90       11.82197  (20081806)
        502221.98   3634775.90       12.88987  (19050903)                502271.98
3634775.90       13.33682  (19050903)
        502321.98   3634775.90       13.10372  (19050903)                502371.98
3634775.90       13.19883  (19050903)
        502421.98   3634775.90       13.27512  (19050903)                502471.98
3634775.90       13.36780  (19050903)
        502521.98   3634775.90       14.25849  (20030821)                502571.98
3634775.90       14.92757  (20030821)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 666
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FIRE     ***
                                 INCLUDING SOURCE(S):     FIRE        ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3634775.90       15.58831  (20030821)                502671.98
3634775.90       16.38089  (21011903)
        504771.98   3634775.90       13.90480  (20072505)                504821.98
3634775.90       13.00780  (20072505)
        504871.98   3634775.90       12.20770  (20102019)                504921.98
3634775.90       12.42334  (20102019)
        504971.98   3634775.90       13.22964  (20102019)                505021.98
3634775.90       12.94721  (20102019)
        505071.98   3634775.90       12.74811  (19022319)                505121.98
3634775.90       12.68504  (19022319)
        505171.98   3634775.90       12.12027  (19022319)                505221.98
3634775.90       11.49094  (19022319)
        502221.98   3634825.90       12.40170  (19050903)                502271.98
3634825.90       12.43600  (19050903)
        502321.98   3634825.90       12.16931  (19050903)                502371.98
3634825.90       12.50661  (20030821)
        502421.98   3634825.90       12.69790  (20030821)                502471.98
3634825.90       12.82698  (19020604)
        502521.98   3634825.90       13.83587  (21011903)                502571.98
```

```
3634825.90       14.79848  (21011903)
        502621.98   3634825.90       15.91653  (19022707)                502671.98
3634825.90       17.40773  (19022707)
        504771.98   3634825.90       14.01513  (20100618)                504821.98
3634825.90       13.00336  (20100618)
        504871.98   3634825.90       12.62022  (20072505)                504921.98
3634825.90       13.39092  (20072505)
        504971.98   3634825.90       13.84309  (20072505)                505021.98
3634825.90       12.41257  (19030607)
        505071.98   3634825.90       12.18874  (19030607)                505121.98
3634825.90       11.86150  (19030607)
        505171.98   3634825.90       11.09405  (19030607)                505221.98
3634825.90       10.44969  (19022319)
        502221.98   3634875.90       11.75318  (20030821)                502271.98
3634875.90       11.69219  (20030821)
        502321.98   3634875.90       11.94872  (19020604)                502371.98
3634875.90       12.40798  (21011903)
        502421.98   3634875.90       12.94429  (21011903)                502471.98
3634875.90       13.65826  (19022707)
        502521.98   3634875.90       14.62714  (19022707)                502571.98
3634875.90       15.59802  (19022707)
        502621.98   3634875.90       16.46625  (19022707)                502671.98
3634875.90       17.08170  (19022707)
        504771.98   3634875.90       16.52128  (20092620)                504821.98
3634875.90       15.05663  (20092620)
        504871.98   3634875.90       13.14216  (20092620)                504921.98
3634875.90       13.51873  (20100720)
        504971.98   3634875.90       13.51854  (20100720)                505021.98
3634875.90       12.08119  (20041904)
        505071.98   3634875.90       10.82036  (19030607)                505121.98
3634875.90       11.03699  (19030607)
        505171.98   3634875.90       10.65998  (19030607)                505221.98
3634875.90       10.43870  (19030607)
        502221.98   3634925.90       11.66245  (21011903)                502271.98
3634925.90       11.84200  (21011903)
        502321.98   3634925.90       12.41701  (19022707)                502371.98
3634925.90       13.07454  (19022707)
        502421.98   3634925.90       13.73094  (19022707)                502471.98
3634925.90       14.16145  (19022707)
        502521.98   3634925.90       14.64560  (19022707)                502571.98
3634925.90       14.85366  (19022707)
        502621.98   3634925.90       14.77093  (21031605)                502671.98
3634925.90       15.41184  (21031605)
        504771.98   3634925.90       16.89988  (20092620)                504821.98
3634925.90       16.35024  (20092620)
        504871.98   3634925.90       15.33516  (20092620)                504921.98
3634925.90       14.98679  (20092620)
        504971.98   3634925.90       14.36761  (20092620)                505021.98
3634925.90       12.71751  (20041904)
        505071.98   3634925.90       11.05058  (20041904)                505121.98
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634975.90	14.29700	(20040402)	502671.98	3634975.90	14.82453	(20040402)
504821.98	3634975.90	15.73222	(20092620)	504871.98	3634975.90	15.75897	(20092620)
504921.98	3634975.90	15.61871	(20092620)	504971.98	3634975.90	16.32945	(20092620)
505021.98	3634975.90	14.55558	(20092620)	505071.98	3634975.90	11.90087	(20092620)
505121.98	3634975.90	12.00682	(20041904)	505171.98	3634975.90	11.48329	(20041904)
505221.98	3634975.90	10.78226	(20041904)	502221.98	3635025.90	12.44331	(19022707)
502271.98	3635025.90	12.56744	(19022707)	502321.98	3635025.90	12.55030	(19022707)
502371.98	3635025.90	12.37898	(19022707)	502421.98	3635025.90	12.20506	(21031605)
502471.98	3635025.90	12.47625	(20040402)	502521.98			

3635025.90 12.98740 (20040402)
502571.98 3635025.90 13.34483 (21031001) 502621.98
3635025.90 13.65929 (21031001)
502671.98 3635025.90 14.29484 (19010517) 504871.98
3635025.90 14.41402 (20092620)
504921.98 3635025.90 15.06127 (20092620) 504971.98
3635025.90 16.33629 (20092620)
505021.98 3635025.90 16.05876 (20092620) 505071.98
3635025.90 14.77665 (20092620)
505121.98 3635025.90 13.96786 (20092620) 505171.98
3635025.90 12.66900 (20092620)
505221.98 3635025.90 11.57071 (20041904) 502221.98
3635075.90 11.91277 (19022707)
502271.98 3635075.90 11.65255 (19022707) 502321.98
3635075.90 11.50788 (21031605)
502371.98 3635075.90 11.75271 (20040402) 502421.98
3635075.90 12.07150 (20040402)
502471.98 3635075.90 12.39931 (21031001) 502521.98
3635075.90 12.62783 (21031001)
502571.98 3635075.90 13.07341 (19042122) 502621.98
3635075.90 13.79195 (20031921)
502671.98 3635075.90 14.69502 (20031921) 504921.98
3635075.90 13.10532 (20092620)
504971.98 3635075.90 14.18744 (20092620) 505021.98
3635075.90 15.71644 (20092620)
505071.98 3635075.90 15.66579 (20092620) 505121.98
3635075.90 15.07608 (20092620)
505171.98 3635075.90 14.12508 (20092620) 505221.98
3635075.90 13.19728 (20092620)
502221.98 3635125.90 10.82741 (21031605) 502271.98
3635125.90 11.04732 (20040402)
502321.98 3635125.90 11.30955 (21031001) 502371.98
3635125.90 11.59764 (21031001)
502421.98 3635125.90 11.76629 (21031001) 502471.98
3635125.90 12.09436 (19042122)
502521.98 3635125.90 12.49904 (20031921) 502571.98
3635125.90 13.25739 (20031921)
502621.98 3635125.90 13.69563 (20031921) 502671.98
3635125.90 15.58701 (19013101)
505021.98 3635125.90 13.05708 (20092620) 505071.98
3635125.90 13.96551 (20092620)
505121.98 3635125.90 14.10888 (20092620) 505171.98
3635125.90 13.97605 (20092620)
505221.98 3635125.90 13.87947 (20092620) 502221.98
3635175.90 10.75384 (21031001)
502271.98 3635175.90 10.94377 (21031001) 502321.98
3635175.90 11.09849 (21031001)
502371.98 3635175.90 11.34869 (19042122) 502421.98
3635175.90 11.57959 (19042122)
502471.98 3635175.90 12.01781 (20031921) 502521.98

3635175.90   12.38690 (20031921)
        502571.98   3635175.90   13.76203 (19013101)   502621.98
3635175.90   15.48225 (19013101)
        502671.98   3635175.90   16.72950 (19013101)   505121.98
3635175.90   12.96006 (20092620)
        505171.98   3635175.90   13.44680 (20092620)   505221.98
3635175.90   13.56748 (20092620)
        502221.98   3635225.90   10.55952 (21031001)   502271.98
3635225.90   10.73773 (19042122)
        502321.98   3635225.90   10.94395 (19042122)   502371.98
3635225.90   11.25056 (20031921)
        502421.98   3635225.90   11.56558 (20031921)   502471.98
3635225.90   12.41003 (19013101)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                   INCLUDING SOURCE(S):   FIRE   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635325.90 10.55656 (20031921)
502321.98 3635325.90 11.65532 (19013101) 502371.98
3635325.90 12.67077 (19013101)
502421.98 3635325.90 13.47105 (19013101) 502471.98
3635325.90 13.94108 (19013101)
502521.98 3635325.90 13.95417 (19013101) 502571.98
3635325.90 14.45241 (20122320)
502621.98 3635325.90 15.09135 (20122320) 502671.98
3635325.90 15.40830 (21012023)
502221.98 3635375.90 10.78123 (19013101) 502271.98
3635375.90 11.89929 (19013101)
502321.98 3635375.90 12.71200 (19013101) 502371.98
3635375.90 13.26043 (19013101)
502421.98 3635375.90 13.43884 (19013101) 502471.98
3635375.90 13.17205 (19013101)
502521.98 3635375.90 14.02485 (20122320) 502571.98
3635375.90 14.35936 (20122320)
502621.98 3635375.90 14.76988 (21012023) 502671.98
3635375.90 15.02479 (21012023)
502221.98 3635425.90 11.89718 (19013101) 502271.98
3635425.90 12.66098 (19013101)
502321.98 3635425.90 13.00673 (19013101) 502371.98
3635425.90 12.98980 (19013101)
502421.98 3635425.90 13.04403 (20122320) 502471.98
3635425.90 13.58396 (20122320)
502521.98 3635425.90 13.68786 (20122320) 502571.98
3635425.90 14.21248 (21012023)
502621.98 3635425.90 14.22342 (21012023) 502671.98
3635425.90 14.07944 (20122721)
504771.98 3635425.90 14.60675 (19030801) 502221.98
3635475.90 12.43216 (19013101)
502271.98 3635475.90 12.64105 (19013101) 502321.98
3635475.90 12.46003 (19013101)
502371.98 3635475.90 12.88671 (20122320) 502421.98
3635475.90 13.23774 (20122320)
502471.98 3635475.90 13.18763 (21012023) 502521.98
3635475.90 13.72825 (21012023)
502571.98 3635475.90 13.58110 (21012023) 502621.98
3635475.90 13.64699 (20122721)
502671.98 3635475.90 14.52051 (20122721) 504771.98
3635475.90 14.21672 (20043024)
504821.98 3635475.90 13.93982 (19030801) 504871.98
3635475.90 13.27286 (19030801)
504921.98 3635475.90 11.99381 (19030801) 502221.98
3635525.90 12.12945 (19013101)
502271.98 3635525.90 12.09849 (20122320) 502321.98
3635525.90 12.67796 (20122320)
502371.98 3635525.90 12.89079 (20122320) 502421.98
3635525.90 13.03866 (21012023)
502471.98 3635525.90 13.27188 (21012023) 502521.98

3635525.90   13.00243 (21012023)
        502571.98   3635525.90   13.24599 (20122721)   502621.98
3635525.90   13.98954 (20122721)
        502671.98   3635525.90   14.09798 (20122721)   502721.98
3635525.90   13.47027 (20122721)
        502771.98   3635525.90   13.16889 (19031105)   502821.98
3635525.90   13.12891 (21121424)
        502871.98   3635525.90   14.83026 (21121424)   502921.98
3635525.90   15.36995 (21121424)
        502971.98   3635525.90   14.61869 (19112801)   503021.98
3635525.90   16.10838 (19112801)
        503071.98   3635525.90   16.77263 (19121706)   503121.98
3635525.90   17.20375 (19121706)
        503171.98   3635525.90   15.39612 (20040204)   503221.98
3635525.90   16.87233 (20070104)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                    INCLUDING SOURCE(S):   FIRE   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635525.90 22.47346 (19062722)
503971.98 3635525.90 20.51626 (19070222) 504021.98
3635525.90 18.78484 (20092506)
504071.98 3635525.90 18.88516 (19061921) 504121.98
3635525.90 18.52118 (19050322)
504171.98 3635525.90 17.79398 (21071621) 504221.98
3635525.90 19.20891 (21013118)
504271.98 3635525.90 17.91842 (21013118) 504321.98
3635525.90 15.27215 (19080523)
504371.98 3635525.90 14.93745 (19061821) 504421.98
3635525.90 13.63887 (19061821)
504471.98 3635525.90 13.56512 (19060920) 504521.98
3635525.90 12.95264 (19061724)
504571.98 3635525.90 12.18025 (19032022) 504621.98
3635525.90 12.07503 (19032022)
504671.98 3635525.90 11.77213 (20102224) 504721.98
3635525.90 12.96881 (20043024)
504771.98 3635525.90 13.86389 (20043024) 504821.98
3635525.90 13.68860 (20043024)
504871.98 3635525.90 13.45028 (19030801) 504921.98
3635525.90 12.91057 (19030801)
504971.98 3635525.90 11.57022 (19030801) 505021.98
3635525.90 10.56256 (21010717)
505071.98 3635525.90 10.80435 (21012617) 505121.98
3635525.90 10.79483 (21012617)
505171.98 3635525.90 10.41374 (21012617) 505221.98
3635525.90 10.39425 (20102020)
502221.98 3635575.90 11.88254 (20122320) 502271.98
3635575.90 12.42421 (20122320)
502321.98 3635575.90 12.50318 (20122320) 502371.98
3635575.90 12.79534 (21012023)
502421.98 3635575.90 12.89394 (21012023) 502471.98
3635575.90 12.49491 (21012023)
502521.98 3635575.90 12.93857 (20122721) 502571.98
3635575.90 13.56894 (20122721)
502621.98 3635575.90 13.61541 (20122721) 502671.98
3635575.90 12.99481 (20122721)
502721.98 3635575.90 12.66856 (19031105) 502771.98
3635575.90 12.46015 (21121424)
502821.98 3635575.90 14.02970 (21121424) 502871.98
3635575.90 14.66319 (21121424)
502921.98 3635575.90 14.01455 (21121424) 502971.98
3635575.90 14.94040 (19112801)
503021.98 3635575.90 15.23064 (19112801) 503071.98
3635575.90 16.07987 (19121706)
503121.98 3635575.90 15.13302 (19121706) 503171.98
3635575.90 15.26840 (20070104)
503221.98 3635575.90 15.45330 (20070104) 503271.98
3635575.90 15.91196 (21021621)
503321.98 3635575.90 16.46648 (20101905) 503371.98

3635575.90 16.91651 (19050823)
  503421.98 3635575.90 17.59419 (20100906) 503471.98
3635575.90 17.71815 (19080122)
  503521.98 3635575.90 20.40310 (20120224) 503571.98
3635575.90 22.10688 (19072124)
  503621.98 3635575.90 20.70987 (19072124) 503671.98
3635575.90 19.24584 (19072123)
  503721.98 3635575.90 20.05612 (21050621) 503771.98
3635575.90 22.33795 (21041324)
  503821.98 3635575.90 23.46441 (19072223) 503871.98
3635575.90 20.95368 (19072223)
  503921.98 3635575.90 20.40397 (19071923) 503971.98
3635575.90 18.97081 (19070222)
  504021.98 3635575.90 17.09509 (20092506) 504071.98
3635575.90 17.43736 (19061921)
  504121.98 3635575.90 17.10325 (19050322) 504171.98
3635575.90 16.81345 (21071621)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504221.98	3635575.90	17.49725	(21013118)	504271.98	3635575.90	17.83112	(21013118)
504321.98	3635575.90	15.12916	(21013118)	504371.98	3635575.90	14.00350	(19061821)
504421.98	3635575.90	13.55720	(19061821)	504471.98	3635575.90	12.86511	(19060920)
504521.98	3635575.90	12.61640	(19060920)	504571.98	3635575.90	12.17903	(19112903)
504621.98	3635575.90	11.75673	(19032022)	504671.98	3635575.90	11.50627	(19032022)
504721.98	3635575.90	11.39885	(20102224)	504771.98			

3635575.90 12.88725 (20043024)
504821.98 3635575.90 13.50734 (20043024) 504871.98
3635575.90 13.27090 (20043024)
504921.98 3635575.90 13.18858 (19030801) 504971.98
3635575.90 12.50578 (19030801)
505021.98 3635575.90 11.24132 (19030801) 505071.98
3635575.90 10.27232 (21010717)
505121.98 3635575.90 10.44089 (21012617) 505171.98
3635575.90 10.58046 (21012617)
505221.98 3635575.90 10.19191 (21012617) 502221.98
3635625.90 12.03059 (20122320)
502271.98 3635625.90 12.02582 (20122320) 502321.98
3635625.90 12.49594 (21012023)
502371.98 3635625.90 12.53766 (21012023) 502421.98
3635625.90 11.95836 (21012023)
502471.98 3635625.90 12.57029 (20122721) 502521.98
3635625.90 13.11370 (20122721)
502571.98 3635625.90 13.17669 (20122721) 502621.98
3635625.90 12.62741 (20122721)
502671.98 3635625.90 12.28561 (19031105) 502721.98
3635625.90 11.87446 (21121424)
502771.98 3635625.90 13.34977 (21121424) 502821.98
3635625.90 14.03158 (21121424)
502871.98 3635625.90 13.61403 (21121424) 502921.98
3635625.90 13.91720 (19112801)
502971.98 3635625.90 14.46545 (19112801) 503021.98
3635625.90 15.04239 (19121706)
503071.98 3635625.90 14.46472 (19121706) 503121.98
3635625.90 13.24788 (20070104)
503171.98 3635625.90 14.28679 (20070104) 503221.98
3635625.90 14.78746 (21021621)
503271.98 3635625.90 14.38311 (21021621) 503321.98
3635625.90 15.20344 (19042922)
503371.98 3635625.90 15.82831 (19050823) 503421.98
3635625.90 16.11557 (20100906)
503471.98 3635625.90 16.66760 (19080122) 503521.98
3635625.90 19.21975 (20120224)
503571.98 3635625.90 20.28302 (19072124) 503621.98
3635625.90 18.00493 (19072124)
503671.98 3635625.90 17.31759 (19080922) 503721.98
3635625.90 18.21572 (21050621)
503771.98 3635625.90 20.51897 (21041324) 503821.98
3635625.90 21.46682 (19072223)
503871.98 3635625.90 19.46459 (19072223) 503921.98
3635625.90 18.75405 (19071923)
503971.98 3635625.90 17.59635 (19070222) 504021.98
3635625.90 15.74986 (19091924)
504071.98 3635625.90 16.04857 (20092506) 504121.98
3635625.90 15.79589 (21050322)
504171.98 3635625.90 15.72770 (21071621) 504221.98

3635625.90   15.81149 (21013118)
        504271.98   3635625.90   17.06444 (21013118)   504321.98
3635625.90   15.67694 (21013118)
        504371.98   3635625.90   13.42051 (19080523)   504421.98
3635625.90   13.16677 (19061821)
        504471.98   3635625.90   12.27238 (19061821)   504521.98
3635625.90   12.30028 (19060920)
        504571.98   3635625.90   11.94657 (19061724)   504621.98
3635625.90   11.48443 (19112903)
        504671.98   3635625.90   11.34771 (19032022)   504721.98
3635625.90   10.99093 (19032022)
        504771.98   3635625.90   11.48818 (20043024)   504821.98
3635625.90   12.73832 (20043024)
        504871.98   3635625.90   13.22991 (20043024)   504921.98
3635625.90   12.95766 (20043024)
        504971.98   3635625.90   12.77824 (19030801)   505021.98
3635625.90   12.24792 (19030801)
        505071.98   3635625.90   11.12679 (19030801)   505121.98
3635625.90   9.99368 (21010717)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635675.90 12.20384 (20122721)
502621.98 3635675.90 11.94426 (19031105) 502671.98
3635675.90 11.43113 (21121424)
502721.98 3635675.90 12.80517 (21121424) 502771.98
3635675.90 13.50550 (21121424)
502821.98 3635675.90 13.28956 (21121424) 502871.98
3635675.90 13.06257 (19112801)
502921.98 3635675.90 13.78454 (19112801) 502971.98
3635675.90 14.22957 (19121706)
503021.98 3635675.90 14.25261 (19121706) 503071.98
3635675.90 12.69475 (19121706)
503121.98 3635675.90 13.16948 (20070104) 503171.98
3635675.90 13.63301 (21021621)
503221.98 3635675.90 13.98544 (21021621) 503271.98
3635675.90 13.94206 (20101905)
503321.98 3635675.90 14.76386 (19050823) 503371.98
3635675.90 14.73647 (20100906)
503421.98 3635675.90 14.87626 (21100603) 503471.98
3635675.90 16.70108 (20120224)
503521.98 3635675.90 17.97283 (20120224) 503571.98
3635675.90 18.56795 (19072124)
503621.98 3635675.90 16.24165 (21021806) 503671.98
3635675.90 16.24215 (19080922)
503721.98 3635675.90 16.65131 (21050621) 503771.98
3635675.90 18.95781 (21041324)
503821.98 3635675.90 19.79274 (19072223) 503871.98
3635675.90 18.07866 (19072223)
503921.98 3635675.90 17.23892 (19071923) 503971.98
3635675.90 16.32033 (19070222)
504021.98 3635675.90 15.24183 (19072224) 504071.98
3635675.90 14.98692 (20092506)
504121.98 3635675.90 14.72505 (21050322) 504171.98
3635675.90 14.86933 (19050322)
504221.98 3635675.90 14.30196 (21013118) 504271.98
3635675.90 16.20525 (21013118)
504321.98 3635675.90 15.71119 (21013118) 504371.98
3635675.90 13.39580 (21013118)
504421.98 3635675.90 12.58172 (19061821) 504471.98
3635675.90 12.22125 (19061821)
504521.98 3635675.90 11.66342 (19060920) 504571.98
3635675.90 11.71395 (19060920)
504621.98 3635675.90 11.35695 (19112903) 504671.98
3635675.90 10.95101 (19032022)
504721.98 3635675.90 10.94668 (19032022) 504771.98
3635675.90 10.67303 (20102224)
504821.98 3635675.90 11.54652 (20043024) 504871.98
3635675.90 12.62771 (20043024)
504921.98 3635675.90 12.99389 (20043024) 504971.98
3635675.90 12.49551 (20043024)
505021.98 3635675.90 12.48994 (19030801) 505071.98

3635675.90   11.92463 (19030801)
        505121.98   3635675.90   10.71112 (19030801)   505171.98
3635675.90   9.72284 (21010717)
        505221.98   3635675.90   10.06692 (21012617)   502221.98
3635725.90   11.81977 (21012023)
        502271.98   3635725.90   11.66404 (21012023)   502321.98
3635725.90   11.26158 (20122721)
        502371.98   3635725.90   12.06836 (20122721)   502421.98
3635725.90   12.45004 (20122721)
        502471.98   3635725.90   12.39332 (20122721)   502521.98
3635725.90   11.82483 (20122721)
        502571.98   3635725.90   11.62290 (19031105)   502621.98
3635725.90   11.01536 (21121424)
        502671.98   3635725.90   12.35530 (21121424)   502721.98
3635725.90   13.11481 (21121424)
        502771.98   3635725.90   13.03304 (21121424)   502821.98
3635725.90   12.36024 (19112801)
        502871.98   3635725.90   13.21912 (19112801)   502921.98
3635725.90   13.52247 (19121706)
        502971.98   3635725.90   13.97490 (19121706)   503021.98
3635725.90   13.07071 (19121706)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635725.90 14.33273 (19080122)
503471.98 3635725.90 16.44987 (20120224) 503521.98
3635725.90 16.85114 (19072124)
503571.98 3635725.90 17.03086 (19072124) 503621.98
3635725.90 15.34797 (21021806)
503671.98 3635725.90 15.27723 (19080922) 503721.98
3635725.90 15.34644 (21050621)
503771.98 3635725.90 17.68154 (21041324) 503821.98
3635725.90 18.40953 (19072223)
503871.98 3635725.90 16.93425 (19072223) 503921.98
3635725.90 15.99577 (19071923)
503971.98 3635725.90 15.22770 (19072224) 504021.98
3635725.90 14.78819 (19072224)
504071.98 3635725.90 14.00067 (20092506) 504121.98
3635725.90 13.76115 (19061921)
504171.98 3635725.90 14.11152 (19050322) 504221.98
3635725.90 13.45847 (21071621)
504271.98 3635725.90 15.09368 (21013118) 504321.98
3635725.90 15.52391 (21013118)
504371.98 3635725.90 13.88367 (21013118) 504421.98
3635725.90 12.10275 (19080523)
504471.98 3635725.90 11.94641 (19061821) 504521.98
3635725.90 11.25602 (19061821)
504571.98 3635725.90 11.38439 (19060920) 504621.98
3635725.90 11.12611 (19061724)
504671.98 3635725.90 10.89130 (19112903) 504721.98
3635725.90 10.68729 (19032022)
504771.98 3635725.90 10.55755 (19032022) 504821.98
3635725.90 10.49232 (20102224)
504871.98 3635725.90 11.66704 (20043024) 504921.98
3635725.90 12.52494 (20043024)
504971.98 3635725.90 12.62362 (20043024) 505021.98
3635725.90 12.23009 (19030801)
505071.98 3635725.90 12.19678 (19030801) 505121.98
3635725.90 11.50833 (19030801)
505171.98 3635725.90 10.45565 (19030801) 505221.98
3635725.90 9.45712 (21010717)
502221.98 3635775.90 11.24923 (21012023) 502271.98
3635775.90 11.06584 (20122721)
502321.98 3635775.90 11.79825 (20122721) 502371.98
3635775.90 12.16668 (20122721)
502421.98 3635775.90 12.06910 (20122721) 502471.98
3635775.90 11.52342 (20122721)
502521.98 3635775.90 11.30294 (19031105) 502571.98
3635775.90 10.69771 (19031105)
502621.98 3635775.90 11.89577 (21121424) 502671.98
3635775.90 12.71472 (21121424)
502721.98 3635775.90 12.81406 (21121424) 502771.98
3635775.90 12.05520 (21121424)
502821.98 3635775.90 12.69848 (19112801) 502871.98

3635775.90   12.88679 (19112801)
        502921.98   3635775.90   13.54193 (19121706)   502971.98
3635775.90   13.08917 (19121706)
        503021.98   3635775.90   11.52688 (19121706)   503071.98
3635775.90   12.18928 (20070104)
        503121.98   3635775.90   12.64235 (21021621)   503171.98
3635775.90   12.86109 (21021621)
        503221.98   3635775.90   12.82433 (20101905)   503271.98
3635775.90   13.52212 (19050823)
        503321.98   3635775.90   13.63376 (19050823)   503371.98
3635775.90   13.53142 (21100603)
        503421.98   3635775.90   13.99831 (20120224)   503471.98
3635775.90   16.06854 (20120224)
        503521.98   3635775.90   16.25094 (19072124)   503571.98
3635775.90   15.59183 (19072124)
        503621.98   3635775.90   14.65453 (21021806)   503671.98
3635775.90   14.40300 (19080922)
        503721.98   3635775.90   14.38489 (21041324)   503771.98
3635775.90   16.61211 (21041324)
        503821.98   3635775.90   17.22712 (19072223)   503871.98
3635775.90   15.89491 (19072223)
        503921.98   3635775.90   14.84301 (19071923)   503971.98
3635775.90   14.58194 (19072224)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635775.90 13.92835 (21013118)
504321.98 3635775.90 15.03131 (21013118) 504371.98
3635775.90 14.17208 (21013118)
504421.98 3635775.90 11.86286 (19071722) 504471.98
3635775.90 11.50221 (19061821)
504521.98 3635775.90 11.25894 (19061821) 504571.98
3635775.90 10.89246 (19060920)
504621.98 3635775.90 10.98252 (19060920) 504671.98
3635775.90 10.73759 (19112903)
504721.98 3635775.90 10.45350 (19112903) 504771.98
3635775.90 10.40876 (19032022)
504821.98 3635775.90 10.17859 (19032022) 504871.98
3635775.90 10.38897 (20043024)
504921.98 3635775.90 11.65097 (20043024) 504971.98
3635775.90 12.26308 (20043024)
505021.98 3635775.90 12.30461 (20043024) 505071.98
3635775.90 12.03227 (19030801)
505121.98 3635775.90 11.86706 (19030801) 505171.98
3635775.90 11.22976 (19030801)
505221.98 3635775.90 10.20784 (19030801) 502221.98
3635825.90 10.83940 (20122721)
502271.98 3635825.90 11.54866 (20122721) 502321.98
3635825.90 11.86243 (20122721)
502371.98 3635825.90 11.77896 (20122721) 502421.98
3635825.90 11.23101 (20122721)
502471.98 3635825.90 11.05524 (19031105) 502521.98
3635825.90 10.47297 (19031105)
502571.98 3635825.90 11.49242 (21121424) 502621.98
3635825.90 12.35690 (21121424)
502671.98 3635825.90 12.55177 (21121424) 502721.98
3635825.90 11.97952 (21121424)
502771.98 3635825.90 12.20962 (19112801) 502821.98
3635825.90 12.57482 (19112801)
502871.98 3635825.90 12.98291 (19121706) 502921.98
3635825.90 13.01726 (19121706)
502971.98 3635825.90 11.83421 (19121706) 503021.98
3635825.90 11.53006 (20070104)
503071.98 3635825.90 11.96888 (20070104) 503121.98
3635825.90 12.50686 (21021621)
503171.98 3635825.90 12.18135 (21021621) 503221.98
3635825.90 12.55571 (20101905)
503271.98 3635825.90 13.18222 (19050823) 503321.98
3635825.90 13.01271 (20100906)
503371.98 3635825.90 13.02246 (21100603) 503421.98
3635825.90 14.37011 (20120224)
503471.98 3635825.90 15.56296 (20120224) 503521.98
3635825.90 15.88569 (19072124)
503571.98 3635825.90 14.64938 (19072124) 503621.98
3635825.90 14.38621 (21021806)
503671.98 3635825.90 13.66653 (19080922) 503721.98

3635825.90   13.87463 (21041324)
        503771.98   3635825.90   15.70681 (21041324)   503821.98
3635825.90   16.24074 (19072223)
        503871.98   3635825.90   15.08967 (19072223)   503921.98
3635825.90   13.97454 (19071923)
        503971.98   3635825.90   14.00694 (19072224)   504021.98
3635825.90   13.95272 (19072224)
        504071.98   3635825.90   12.84009 (19072224)   504121.98
3635825.90   12.24950 (21070323)
        504171.98   3635825.90   12.58924 (19050322)   504221.98
3635825.90   12.61786 (19050322)
        504271.98   3635825.90   12.71291 (21013118)   504321.98
3635825.90   14.31645 (21013118)
        504371.98   3635825.90   14.18349 (21013118)   504421.98
3635825.90   12.54359 (21013118)
        504471.98   3635825.90   11.12416 (19080523)   504521.98
3635825.90   11.06755 (19061821)
        504571.98   3635825.90   10.57784 (19061821)   504621.98
3635825.90   10.70461 (19060920)
        504671.98   3635825.90   10.57303 (19060920)   504721.98
3635825.90   10.42660 (19112903)
        504771.98   3635825.90   10.08881 (19032022)   504821.98
3635825.90   10.11740 (19032022)
        504871.98   3635825.90   9.91233 (20102224)   504921.98
3635825.90   10.48289 (20043024)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635825.90 11.76986 (19030801)
505171.98 3635825.90 11.57643 (19030801) 505221.98
3635825.90 10.93774 (19030801)
502221.98 3635875.90 11.28778 (20122721) 502271.98
3635875.90 11.58015 (20122721)
502321.98 3635875.90 11.47244 (20122721) 502371.98
3635875.90 10.97129 (20122721)
502421.98 3635875.90 10.81396 (19031105) 502471.98
3635875.90 10.28449 (19031105)
502521.98 3635875.90 11.09570 (21121424) 502571.98
3635875.90 12.00015 (21121424)
502621.98 3635875.90 12.28374 (21121424) 502671.98
3635875.90 11.87058 (21121424)
502721.98 3635875.90 11.70880 (19112801) 502771.98
3635875.90 12.23785 (19112801)
502821.98 3635875.90 12.48673 (19121706) 502871.98
3635875.90 12.75400 (19121706)
502921.98 3635875.90 12.13220 (19121706) 502971.98
3635875.90 10.73900 (20070104)
503021.98 3635875.90 11.51537 (20070104) 503071.98
3635875.90 11.95132 (21021621)
503121.98 3635875.90 12.11709 (21021621) 503171.98
3635875.90 11.63816 (20101905)
503221.98 3635875.90 12.35977 (19050823) 503271.98
3635875.90 12.67645 (19050823)
503321.98 3635875.90 12.42105 (21100603) 503371.98
3635875.90 12.57991 (19080122)
503421.98 3635875.90 14.49270 (20120224) 503471.98
3635875.90 15.08602 (20120224)
503521.98 3635875.90 15.38754 (19072124) 503571.98
3635875.90 14.31276 (21021806)
503621.98 3635875.90 13.52646 (21021806) 503671.98
3635875.90 13.02592 (19080922)
503721.98 3635875.90 13.48294 (21041324) 503771.98
3635875.90 14.93960 (21041324)
503821.98 3635875.90 15.42547 (19072223) 503871.98
3635875.90 14.39180 (19072223)
503921.98 3635875.90 13.23294 (19071923) 503971.98
3635875.90 13.48591 (19072224)
504021.98 3635875.90 13.57591 (19072224) 504071.98
3635875.90 12.67232 (19072224)
504121.98 3635875.90 11.77594 (20092506) 504171.98
3635875.90 11.95653 (21050322)
504221.98 3635875.90 12.21763 (19050322) 504271.98
3635875.90 11.54560 (21013118)
504321.98 3635875.90 13.52079 (21013118) 504371.98
3635875.90 13.93678 (21013118)
504421.98 3635875.90 12.80706 (21013118) 504471.98
3635875.90 11.00255 (19071722)
504521.98 3635875.90 10.76497 (19061821) 504571.98

3635875.90   10.58333 (19061821)
        504621.98   3635875.90   10.26946 (19060920)   504671.98
3635875.90   10.45462 (19060920)
        504721.98   3635875.90   10.25018 (19061724)   504771.98
3635875.90   10.07577 (19112903)
        504821.98   3635875.90   9.89589 (19032022)   504871.98
3635875.90   9.81355 (19032022)
        504921.98   3635875.90   9.76290 (20102224)   504971.98
3635875.90   10.49019 (20043024)
        505021.98   3635875.90   11.46312 (20043024)   505071.98
3635875.90   11.88711 (20043024)
        505121.98   3635875.90   11.73648 (20043024)   505171.98
3635875.90   11.52253 (19030801)
        505221.98   3635875.90   11.29388 (19030801)   502221.98
3635925.90   11.28931 (20122721)
        502271.98   3635925.90   11.17189 (20122721)   502321.98
3635925.90   10.67319 (20122721)
        502371.98   3635925.90   10.59871 (19031105)   502421.98
3635925.90   10.09290 (19031105)
        502471.98   3635925.90   10.75060 (21121424)   502521.98
3635925.90   11.65077 (21121424)
        502571.98   3635925.90   12.03035 (21121424)   502621.98
3635925.90   11.75090 (21121424)
        502671.98   3635925.90   11.21959 (19112801)   502721.98
3635925.90   11.87071 (19112801)
        502771.98   3635925.90   11.97704 (19121706)   502821.98
3635925.90   12.49117 (19121706)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635925.90 10.91436 (19121706)
502971.98 3635925.90 10.90891 (20070104) 503021.98
3635925.90 11.25347 (21021621)
503071.98 3635925.90 11.80745 (21021621) 503121.98
3635925.90 11.54819 (21021621)
503171.98 3635925.90 11.49021 (20101905) 503221.98
3635925.90 12.17981 (19050823)
503271.98 3635925.90 12.09980 (19050823) 503321.98
3635925.90 12.12263 (21100603)
503371.98 3635925.90 12.61456 (20120224) 503421.98
3635925.90 14.44297 (20120224)
503471.98 3635925.90 14.70133 (20120224) 503521.98
3635925.90 14.60452 (19072124)
503571.98 3635925.90 14.02121 (21021806) 503621.98
3635925.90 12.63082 (21021806)
503671.98 3635925.90 12.47066 (19080922) 503721.98
3635925.90 13.14030 (21041324)
503771.98 3635925.90 14.30638 (21041324) 503821.98
3635925.90 14.75103 (19072223)
503871.98 3635925.90 13.86183 (19072223) 503921.98
3635925.90 12.62738 (19071923)
503971.98 3635925.90 13.01344 (19072224) 504021.98
3635925.90 13.22212 (19072224)
504071.98 3635925.90 12.49568 (19072224) 504121.98
3635925.90 11.38275 (20092506)
504171.98 3635925.90 11.44783 (21050322) 504221.98
3635925.90 11.82984 (19050322)
504271.98 3635925.90 11.44820 (19050322) 504321.98
3635925.90 12.68747 (21013118)
504371.98 3635925.90 13.56861 (21013118) 504421.98
3635925.90 12.96330 (21013118)
504471.98 3635925.90 11.15175 (21013118) 504521.98
3635925.90 10.41570 (19080523)
504571.98 3635925.90 10.45317 (19061821) 504621.98
3635925.90 10.04974 (19061821)
504671.98 3635925.90 10.18429 (19060920) 504721.98
3635925.90 10.14062 (19060920)
504771.98 3635925.90 9.98424 (19112903) 504821.98
3635925.90 9.70485 (19112903)
504871.98 3635925.90 9.66910 (19032022) 504921.98
3635925.90 9.49777 (19032022)
504971.98 3635925.90 9.59281 (20102224) 505021.98
3635925.90 10.49324 (20043024)
505071.98 3635925.90 11.30797 (20043024) 505121.98
3635925.90 11.63742 (20043024)
505171.98 3635925.90 11.43191 (20043024) 505221.98
3635925.90 11.24127 (19030801)
502221.98 3635975.90 10.86093 (20122721) 502271.98
3635975.90 10.40380 (19031105)
502321.98 3635975.90 10.33221 (19031105) 502371.98

3635975.90   9.90722 (19031105)
        502421.98   3635975.90   10.39364 (21121424)   502471.98
3635975.90   11.33571 (21121424)
        502521.98   3635975.90   11.77323 (21121424)   502571.98
3635975.90   11.62765 (21121424)
        502621.98   3635975.90   10.84720 (21121424)   502671.98
3635975.90   11.49469 (19112801)
        502721.98   3635975.90   11.69296 (19112801)   502771.98
3635975.90   12.16333 (19121706)
        502821.98   3635975.90   12.10263 (19121706)   502871.98
3635975.90   11.17082 (19121706)
        502921.98   3635975.90   10.34844 (20070104)   502971.98
3635975.90   10.83313 (20070104)
        503021.98   3635975.90   11.30365 (21021621)   503071.98
3635975.90   11.43944 (21021621)
        503121.98   3635975.90   10.98999 (21012818)   503171.98
3635975.90   11.50738 (19050823)
        503221.98   3635975.90   11.87079 (19050823)   503271.98
3635975.90   11.56284 (20100906)
        503321.98   3635975.90   11.75716 (21100603)   503371.98
3635975.90   12.86608 (20120224)
        503421.98   3635975.90   14.45255 (20120224)   503471.98
3635975.90   14.04168 (19072124)
        503521.98   3635975.90   13.74444 (19072124)   503571.98
3635975.90   13.15463 (21021806)
        503621.98   3635975.90   11.93472 (21021806)   503671.98
3635975.90   11.99535 (19080922)
        503721.98   3635975.90   12.85608 (21041324)   503771.98
3635975.90   13.79240 (21041324)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503821.98   3635975.90       14.19538  (19072223)                503871.98
3635975.90       13.39901  (19072223)
        503921.98   3635975.90       12.11662  (19071923)                503971.98
3635975.90       12.57991  (19072224)
        504021.98   3635975.90       12.88863  (19072224)                504071.98
3635975.90       12.31979  (19072224)
        504121.98   3635975.90       11.02370  (20092506)                504171.98
3635975.90       11.04089  (19050321)
        504221.98   3635975.90       11.45607  (19050322)                504271.98
3635975.90       11.31477  (19050322)
        504321.98   3635975.90       11.80691  (21013118)                504371.98
3635975.90       13.11808  (21013118)
        504421.98   3635975.90       13.02393  (21013118)                504471.98
3635975.90       11.68644  (21013118)
        504521.98   3635975.90       10.33361  (19071722)                504571.98
3635975.90       10.17220  (19061821)
        504621.98   3635975.90       10.00441  (19061821)                504671.98
3635975.90        9.72586  (19060920)
        504721.98   3635975.90        9.96094  (19060920)                504771.98
3635975.90        9.80553  (19061724)
        504821.98   3635975.90        9.70543  (19112903)                504871.98
3635975.90        9.40528  (19032022)
        504921.98   3635975.90        9.42604  (19032022)                504971.98
3635975.90        9.23498  (20102224)
        505021.98   3635975.90        9.41036  (20102224)                505071.98
3635975.90       10.48611  (20043024)
        505121.98   3635975.90       11.18389  (20043024)                505171.98
3635975.90       11.38966  (20043024)
        505221.98   3635975.90       11.13064  (20043024)                501721.98
3632475.90        5.53419  (19020407)
        501821.98   3632475.90        5.48839  (20021921)                501921.98
3632475.90        5.62549  (20021921)
        502021.98   3632475.90        6.02519  (21110905)                502121.98
3632475.90        7.10546  (21030103)
        502221.98   3632475.90        8.84205  (21030103)                502321.98
3632475.90        9.92606  (21030103)
        502421.98   3632475.90        9.91490  (21030103)                502521.98
3632475.90        9.51739  (20121603)
        502621.98   3632475.90       10.21411  (20121603)                502721.98
3632475.90        9.61475  (21063005)
        502821.98   3632475.90       11.05253  (20090205)                502921.98
3632475.90       11.29388  (20090205)
        503021.98   3632475.90       10.60895  (20102407)                503121.98
3632475.90       11.30707  (20111701)
        503221.98   3632475.90        9.84300  (20111701)                503321.98
3632475.90        9.17401  (20090124)
        503421.98   3632475.90       11.41554  (19110606)                503721.98
3632475.90       12.09010  (21020203)
        503821.98   3632475.90       11.03394  (21020203)                503921.98
```

3632475.90   11.24274 (20082921)
        504021.98   3632475.90   9.45444 (20082921)   504121.98
3632475.90   7.87783 (20022622)
        504221.98   3632475.90   7.43290 (20080921)   504321.98
3632475.90   6.96507 (21062104)
        504421.98   3632475.90   8.22633 (20081021)   504521.98
3632475.90   8.79111 (20081021)
        504621.98   3632475.90   7.04539 (21013021)   504721.98
3632475.90   6.36732 (20073022)
        504821.98   3632475.90   6.14848 (20073020)   504921.98
3632475.90   5.46427 (20072721)
        505021.98   3632475.90   5.18862 (21010102)   505121.98
3632475.90   5.20248 (20080120)
        505221.98   3632475.90   5.15274 (21021820)   505321.98
3632475.90   5.10888 (21011520)
        505421.98   3632475.90   4.94785 (19121906)   505521.98
3632475.90   4.93404 (19122301)
        505621.98   3632475.90   4.79431 (20122923)   505721.98
3632475.90   4.97611 (20080623)
        501721.98   3632575.90   5.68237 (19020407)   501821.98
3632575.90   5.82514 (19020407)
        501921.98   3632575.90   5.76384 (20021921)   502021.98
3632575.90   5.93380 (20021921)
        502121.98   3632575.90   6.37417 (21110905)   502221.98
3632575.90   7.68694 (21030103)
        502321.98   3632575.90   9.51728 (21030103)   502421.98
3632575.90   10.47717 (21030103)
        502521.98   3632575.90   10.13815 (21030103)   502621.98
3632575.90   10.29932 (20121603)
        502721.98   3632575.90   10.36659 (20121603)   502821.98
3632575.90   10.80485 (21063005)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)

Y-COORD (M)	CONC	(YYMMDDHH)			
502921.98	3632575.90	11.88180	(20090205)	503021.98	3632575.90	11.03561	(20090205)
503121.98	3632575.90	11.50847	(20111701)	503221.98	3632575.90	10.99181	(20111701)
503321.98	3632575.90	9.36237	(20090124)	503421.98	3632575.90	11.41292	(19110606)
503721.98	3632575.90	12.57476	(21020203)	503821.98	3632575.90	11.06963	(21020203)
503921.98	3632575.90	10.01547	(20082921)	504021.98	3632575.90	7.46695	(20082921)
504121.98	3632575.90	6.76142	(20080922)	504221.98	3632575.90	6.34636	(20080922)
504321.98	3632575.90	5.79292	(19102905)	504421.98	3632575.90	6.46916	(20081021)
504521.98	3632575.90	7.89804	(20082321)	504621.98	3632575.90	7.41475	(20073022)
504721.98	3632575.90	5.69073	(20072721)	504821.98	3632575.90	5.81171	(20072721)
504921.98	3632575.90	5.31195	(21011323)	505021.98	3632575.90	5.33252	(20011902)
505121.98	3632575.90	5.31003	(19022705)	505221.98	3632575.90	5.20790	(20121007)
505321.98	3632575.90	5.11702	(19121906)	505421.98	3632575.90	5.08680	(19122301)
505521.98	3632575.90	4.97279	(20122923)	505621.98	3632575.90	4.93004	(19102119)
505721.98	3632575.90	4.94324	(20080220)	501721.98	3632675.90	5.88009	(19091703)
501821.98	3632675.90	5.93482	(19020407)	501921.98	3632675.90	6.12550	(19020407)
502021.98	3632675.90	6.10300	(19020407)	502121.98	3632675.90	6.25998	(20021921)
502221.98	3632675.90	6.67203	(21110905)	502321.98	3632675.90	8.34953	(21030103)
502421.98	3632675.90	10.22081	(21030103)	502521.98	3632675.90	11.00372	(21030103)
502621.98	3632675.90	10.22650	(21030103)	502721.98	3632675.90	10.92487	(20121603)
502821.98	3632675.90	10.04969	(20121603)	502921.98	3632675.90	11.86264	(20090205)
503021.98	3632675.90	12.15035	(20090205)	503721.98	3632675.90	13.08159	(20050102)
503821.98	3632675.90	11.82972	(21020203)	503921.98	3632675.90	12.03018	(20082921)
504021.98	3632675.90	8.55395	(20082921)	504121.98	3632675.90	7.03863	(20080922)
504221.98	3632675.90	5.88917	(20080922)	504321.98			

3632675.90   5.91135 (19102905)
        504421.98   3632675.90   6.11888 (20081021)   504521.98
3632675.90   6.44635 (20083021)
        504621.98   3632675.90   6.25459 (20073022)   504721.98
3632675.90   5.89312 (20072721)
        504821.98   3632675.90   5.46136 (20072721)   504921.98
3632675.90   5.46117 (21010102)
        505021.98   3632675.90   5.36467 (19022705)   505121.98
3632675.90   5.39131 (21021820)
        505221.98   3632675.90   5.34583 (21011520)   505321.98
3632675.90   5.21707 (21010522)
        505421.98   3632675.90   5.14853 (20122923)   505521.98
3632675.90   5.12348 (20080623)
        505621.98   3632675.90   5.06006 (20080220)   505721.98
3632675.90   4.91544 (20012502)
        502421.98   3632775.90   8.86385 (21030103)   502521.98
3632775.90   10.75819 (21030103)
        502621.98   3632775.90   11.29634 (21030103)   502721.98
3632775.90   10.49528 (20121603)
        502821.98   3632775.90   11.01821 (20121603)   502921.98
3632775.90   10.96061 (20090205)
        503021.98   3632775.90   12.88027 (20090205)   503121.98
3632775.90   11.56765 (20090205)
        503221.98   3632775.90   12.26048 (20111701)   503621.98
3632775.90   12.43698 (19101521)
        503721.98   3632775.90   13.77650 (20050102)   503821.98
3632775.90   11.69743 (20082921)
        503921.98   3632775.90   12.84415 (20082921)   504021.98
3632775.90   10.28150 (20082921)
        504121.98   3632775.90   8.61221 (20080922)   504221.98
3632775.90   6.74719 (21062104)
        504321.98   3632775.90   5.86048 (19102905)   504421.98
3632775.90   5.98246 (20081021)

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                INCLUDING SOURCE(S):   FIRE   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504521.98	3632775.90	6.28852	(21013021)	504621.98	3632775.90	5.88555	(20072721)
504721.98	3632775.90	5.73557	(20072721)	504821.98	3632775.90	5.40962	(21010102)
504921.98	3632775.90	5.52027	(20011902)	505021.98	3632775.90	5.54928	(21021820)
505121.98	3632775.90	5.52624	(21011520)	505221.98	3632775.90	5.39684	(21010522)
505321.98	3632775.90	5.31347	(20122923)	505421.98	3632775.90	5.21415	(19102119)
505521.98	3632775.90	5.24702	(20080220)	505621.98	3632775.90	5.24263	(20080220)
505721.98	3632775.90	5.08330	(20081921)	501721.98	3632875.90	6.25165	(19091703)
501821.98	3632875.90	6.57600	(19091703)	501921.98	3632875.90	6.68769	(19091703)
502021.98	3632875.90	6.52448	(19091703)	502121.98	3632875.90	6.80830	(19020407)
502221.98	3632875.90	6.72110	(19020407)	502321.98	3632875.90	6.90933	(20021921)
502421.98	3632875.90	7.46445	(21110905)	502521.98	3632875.90	9.83508	(21030103)
502621.98	3632875.90	11.67819	(21030103)	502721.98	3632875.90	11.77282	(21030103)
502821.98	3632875.90	11.00540	(20121603)	502921.98	3632875.90	11.07551	(20121603)
503021.98	3632875.90	11.94344	(20090205)	503121.98	3632875.90	13.39496	(20090205)
503221.98	3632875.90	12.01507	(20111701)	503321.98	3632875.90	12.01609	(20111701)
503421.98	3632875.90	10.56975	(20090124)	503621.98	3632875.90	13.50200	(19101521)
503721.98	3632875.90	14.52351	(20050102)	503821.98	3632875.90	12.22939	(20082921)
503921.98	3632875.90	11.75606	(20082921)	504021.98	3632875.90	9.02379	(20032501)
504121.98	3632875.90	8.45031	(20080922)	504221.98	3632875.90	6.34053	(21062104)
504321.98	3632875.90	6.20027	(20081021)	504421.98	3632875.90	6.15498	(21013021)
504521.98	3632875.90	6.04482	(20073022)	504621.98	3632875.90	5.97961	(20073020)
504721.98	3632875.90	5.57753	(21011323)	504821.98	3632875.90	5.61524	(20011902)
504921.98	3632875.90	5.63170	(19022705)	505021.98			

```
3632875.90        5.61972  (21011520)
        505121.98   3632875.90        5.53367  (21010522)                505221.98
3632875.90        5.46038  (20122923)
        505321.98   3632875.90        5.37267  (19102119)                505421.98
3632875.90        5.42053  (20080220)
        505521.98   3632875.90        5.32420  (20082901)                505621.98
3632875.90        5.74623  (20081921)
        505721.98   3632875.90        5.88525  (20111118)                501721.98
3632975.90        6.47623  (19020624)
        501821.98   3632975.90        6.44193  (19091703)                501921.98
3632975.90        6.88077  (19091703)
        502021.98   3632975.90        7.10354  (19091703)                502121.98
3632975.90        7.00569  (19091703)
        505321.98   3632975.90        5.61801  (20080220)                505421.98
3632975.90        5.69238  (20082901)
        505521.98   3632975.90        6.30584  (20111118)                505621.98
3632975.90        6.69431  (20111118)
        505721.98   3632975.90        6.43793  (20111118)                501721.98
3633075.90        7.41415  (19020624)
        501821.98   3633075.90        7.08873  (19020624)                501921.98
3633075.90        6.57179  (19091703)
        502021.98   3633075.90        7.13469  (19091703)                502121.98
3633075.90        7.49827  (19091703)
        505321.98   3633075.90        5.82522  (20082901)                505421.98
3633075.90        6.88403  (20111118)
        505521.98   3633075.90        7.44619  (20111118)                505621.98
3633075.90        7.40733  (20082222)
        505721.98   3633075.90        6.86126  (20082222)                501721.98
3633175.90        7.75725  (19020624)
        501821.98   3633175.90        7.89791  (19020624)                501921.98
3633175.90        7.74401  (19020624)
        502021.98   3633175.90        7.32118  (19020624)                502121.98
3633175.90        7.27125  (19091703)
        505321.98   3633175.90        7.12624  (20111118)                505421.98
3633175.90        7.63972  (20111118)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 679
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FIRE     ***
                                  INCLUDING SOURCE(S):     FIRE        ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633175.90	8.12586	(20082222)	505621.98	3633175.90	8.35615	(20082222)
505721.98	3633175.90	7.27040	(21011418)	501721.98	3633275.90	7.84400	(19020622)
501821.98	3633275.90	8.09163	(19020622)	501921.98	3633275.90	8.37669	(19020624)
502021.98	3633275.90	8.47589	(19020624)	502121.98	3633275.90	8.03354	(19020624)
505321.98	3633275.90	8.20136	(20111118)	505421.98	3633275.90	7.88123	(21011418)
505521.98	3633275.90	8.37860	(20082222)	505621.98	3633275.90	8.12683	(21011418)
505721.98	3633275.90	7.35170	(20081722)	501721.98	3633375.90	7.76780	(21012317)
501821.98	3633375.90	8.00364	(19020622)	501921.98	3633375.90	8.42695	(19020622)
502021.98	3633375.90	8.60046	(19020624)	502121.98	3633375.90	8.94623	(19020624)
505321.98	3633375.90	9.33610	(20082222)	505421.98	3633375.90	8.30505	(21011418)
505521.98	3633375.90	7.85704	(21011418)	505621.98	3633375.90	8.13146	(20081722)
505721.98	3633375.90	7.68792	(20080422)	501721.98	3633475.90	8.40170	(20051205)
501821.98	3633475.90	8.56916	(20051205)	501921.98	3633475.90	8.54871	(20051205)
502021.98	3633475.90	8.74156	(19020622)	502121.98	3633475.90	9.06257	(19020622)
505321.98	3633475.90	9.42910	(21011418)	505421.98	3633475.90	7.82985	(21011418)
505521.98	3633475.90	7.65168	(20081722)	505621.98	3633475.90	8.12514	(20080422)
505721.98	3633475.90	8.45581	(20080422)	501721.98	3633575.90	8.40829	(20081801)
501821.98	3633575.90	8.76659	(20051205)	501921.98	3633575.90	9.20234	(20051205)
502021.98	3633575.90	9.39780	(20051205)	502121.98	3633575.90	9.78348	(20051205)
505321.98	3633575.90	8.87879	(20081722)	505421.98	3633575.90	7.15200	(21091121)
505521.98	3633575.90	8.06266	(20072623)	505621.98	3633575.90	8.74905	(20072623)
505721.98	3633575.90	8.65968	(21033120)	501721.98			

3633675.90   8.13676 (20052001)
        501821.98   3633675.90   8.67363 (20081801)   501921.98
3633675.90   9.23610 (20081801)
        502021.98   3633675.90   9.67760 (20081801)   502121.98
3633675.90   10.48335 (20051205)
        505321.98   3633675.90   8.75203 (20072623)   505421.98
3633675.90   7.32705 (20090223)
        505521.98   3633675.90   7.91376 (20090223)   505621.98
3633675.90   8.16093 (20090223)
        505721.98   3633675.90   9.88931 (19121305)   501721.98
3633775.90   8.19394 (21111003)
        501821.98   3633775.90   8.53796 (21111003)   501921.98
3633775.90   8.89359 (20052001)
        502021.98   3633775.90   9.33052 (20081801)   502121.98
3633775.90   10.03937 (20081801)
        505321.98   3633775.90   9.19513 (20090223)   505421.98
3633775.90   8.35208 (20081804)
        505521.98   3633775.90   8.11023 (20082223)   505621.98
3633775.90   9.46578 (20082223)
        505721.98   3633775.90   10.43312 (20082223)   501721.98
3633875.90   10.18552 (20082804)
        501821.98   3633875.90   10.31665 (20082804)   501921.98
3633875.90   9.90224 (20082804)
        502021.98   3633875.90   9.80297 (20082804)   502121.98
3633875.90   9.59762 (21111003)
        505321.98   3633875.90   9.71863 (20082223)   505421.98
3633875.90   9.79926 (20082223)
        505521.98   3633875.90   9.25144 (20082223)   505621.98
3633875.90   8.74790 (20082223)
        505721.98   3633875.90   9.79122 (20092021)   501721.98
3633975.90   10.52678 (20082804)
        501821.98   3633975.90   11.05143 (20082804)   501921.98
3633975.90   11.49549 (20082804)
        502021.98   3633975.90   11.76155 (20082804)   502121.98
3633975.90   12.02849 (20082804)
        505321.98   3633975.90   9.50922 (20081222)   505421.98
3633975.90   9.44701 (20092021)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                INCLUDING SOURCE(S):   FIRE   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633975.90	9.16113	(20092021)	505621.98	3633975.90	8.78917	(20020703)
505721.98	3633975.90	9.65990	(20020703)	501721.98	3634075.90	9.98922	(19083104)
501821.98	3634075.90	10.42813	(19083104)	501921.98	3634075.90	10.78577	(19083104)
502021.98	3634075.90	11.23270	(20082804)	502121.98	3634075.90	11.94812	(20082804)
505321.98	3634075.90	9.54391	(21121518)	505421.98	3634075.90	9.67307	(21121518)
505521.98	3634075.90	10.93828	(21122121)	505621.98	3634075.90	11.19500	(21122121)
505721.98	3634075.90	10.29058	(21122201)	501721.98	3634175.90	8.85189	(20031924)
501821.98	3634175.90	9.27949	(20031924)	501921.98	3634175.90	9.77462	(19083104)
502021.98	3634175.90	10.02292	(19083104)	502121.98	3634175.90	10.76153	(19083104)
505321.98	3634175.90	12.37305	(19102022)	505421.98	3634175.90	12.71737	(19021906)
505521.98	3634175.90	12.70581	(19021906)	505621.98	3634175.90	10.81361	(20013123)
505721.98	3634175.90	9.23698	(20013123)	501721.98	3634275.90	8.61012	(20021803)
501821.98	3634275.90	8.90225	(20031924)	501921.98	3634275.90	9.27365	(20031924)
502021.98	3634275.90	9.61627	(20031924)	502121.98	3634275.90	10.02604	(20031924)
505321.98	3634275.90	14.45834	(20013123)	505421.98	3634275.90	13.68925	(20013123)
505521.98	3634275.90	11.43198	(20092120)	505621.98	3634275.90	10.60561	(20092120)
505721.98	3634275.90	9.51696	(20092120)	501721.98	3634375.90	8.87477	(19100903)
501821.98	3634375.90	9.28526	(19100903)	501921.98	3634375.90	9.38450	(19100903)
502021.98	3634375.90	9.60954	(19100903)	502121.98	3634375.90	10.05609	(19100903)
505321.98	3634375.90	15.57017	(21021007)	505421.98	3634375.90	14.66583	(21021007)
505521.98	3634375.90	10.26857	(20092120)	505621.98			

3634375.90   8.76309 (20092120)
        505721.98   3634375.90   8.09883 (20092120)   501721.98
3634475.90   10.67768 (21021102)
        501821.98   3634475.90   11.22902 (21021102)   501921.98
3634475.90   11.68030 (21021102)
        502021.98   3634475.90   12.31571 (21021102)   502121.98
3634475.90   12.51614 (21021102)
        505321.98   3634475.90   14.50161 (20011720)   505421.98
3634475.90   14.29647 (20011720)
        505521.98   3634475.90   13.05814 (20011720)   505621.98
3634475.90   9.81549 (20041201)
        505721.98   3634475.90   8.48123 (20041201)   501721.98
3634575.90   10.18184 (21021102)
        501821.98   3634575.90   10.36559 (21021102)   501921.98
3634575.90   10.54604 (21021102)
        502021.98   3634575.90   11.07366 (19101801)   502121.98
3634575.90   11.95742 (19101801)
        505321.98   3634575.90   13.00623 (20041201)   505421.98
3634575.90   12.55427 (21090306)
        505521.98   3634575.90   12.36379 (21013119)   505621.98
3634575.90   11.18516 (20041201)
        505721.98   3634575.90   9.84864 (20041201)   501721.98
3634675.90   10.75357 (19101801)
        501821.98   3634675.90   11.34525 (19101801)   501921.98
3634675.90   11.75421 (19101801)
        502021.98   3634675.90   12.29813 (19101801)   502121.98
3634675.90   12.09071 (19101801)
        505321.98   3634675.90   11.94013 (20081806)   505421.98
3634675.90   12.72186 (21032601)
        505521.98   3634675.90   11.15005 (21032601)   505621.98
3634675.90   10.36565 (20041201)
        505721.98   3634675.90   9.87879 (20041201)   501721.98
3634775.90   10.05799 (19101801)
        501821.98   3634775.90   10.34288 (19020620)   501921.98
3634775.90   10.81632 (19050903)
        502021.98   3634775.90   11.91785 (19050903)   502121.98
3634775.90   12.51286 (19050903)
        505321.98   3634775.90   11.62003 (19022319)   505421.98
3634775.90   12.09847 (21032601)

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE   ***
                                 INCLUDING SOURCE(S):   FIRE   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3634775.90	12.19819	(21032601)	505621.98	3634775.90	12.24134	(21032601)
505721.98	3634775.90	11.98084	(21032601)	501721.98	3634875.90	10.53524	(19050903)
501821.98	3634875.90	11.25897	(19050903)	501921.98	3634875.90	11.66789	(19050903)
502021.98	3634875.90	11.79204	(19050903)	502121.98	3634875.90	11.61165	(19050903)
505321.98	3634875.90	10.82700	(20102019)	505421.98	3634875.90	10.27786	(19022319)
505521.98	3634875.90	10.23533	(19022319)	505621.98	3634875.90	10.01468	(19022319)
505721.98	3634875.90	10.41661	(21020220)	501721.98	3634975.90	9.96618	(19050903)
501821.98	3634975.90	9.89879	(20030821)	501921.98	3634975.90	10.21451	(20030821)
502021.98	3634975.90	10.61305	(19020604)	502121.98	3634975.90	11.19305	(21011903)
505321.98	3634975.90	10.77612	(20072505)	505421.98	3634975.90	10.00855	(20102019)
505521.98	3634975.90	9.66908	(20102019)	505621.98	3634975.90	9.20862	(19030607)
505721.98	3634975.90	9.07569	(19022319)	501721.98	3635075.90	9.47973	(19020604)
501821.98	3635075.90	9.94313	(21011903)	501921.98	3635075.90	10.57564	(19022707)
502021.98	3635075.90	11.30605	(19022707)	502121.98	3635075.90	11.81297	(19022707)
505321.98	3635075.90	10.83070	(20041904)	505421.98	3635075.90	10.13795	(20041904)
505521.98	3635075.90	9.61891	(20072505)	505621.98	3635075.90	9.24004	(20072505)
505721.98	3635075.90	9.07404	(20102019)	501721.98	3635175.90	10.12100	(19022707)
501821.98	3635175.90	10.56744	(19022707)	501921.98	3635175.90	10.64970	(19022707)
502021.98	3635175.90	10.42563	(19022707)	502121.98	3635175.90	10.25641	(20040402)
505321.98	3635175.90	13.16430	(20092620)	505421.98			

3635175.90   11.82630 (20092620)
        505521.98   3635175.90   10.09010 (20092620)   505621.98
3635175.90   9.41521 (20041904)
        505721.98   3635175.90   8.96657 (20072505)   501721.98
3635275.90   9.68689 (19022707)
        501821.98   3635275.90   9.34774 (19022707)   501921.98
3635275.90   9.48174 (20040402)
        502021.98   3635275.90   9.92263 (21031001)   502121.98
3635275.90   10.12980 (21031001)
        505621.98   3635275.90   10.93134 (20092620)   505721.98
3635275.90   9.40698 (20092620)
        501721.98   3635375.90   8.84460 (20040402)   501821.98
3635375.90   9.17256 (21031001)
        501921.98   3635375.90   9.36667 (21031001)   502021.98
3635375.90   9.66000 (19042122)
        502121.98   3635375.90   9.88191 (20031921)   505621.98
3635375.90   11.76464 (20092620)
        501721.98   3635475.90   8.66972 (21031001)   501821.98
3635475.90   8.93537 (19042122)
        501921.98   3635475.90   9.09014 (20031921)   502021.98
3635475.90   9.40582 (20031921)
        502121.98   3635475.90   11.06985 (19013101)   505621.98
3635475.90   10.62400 (20092620)
        505721.98   3635475.90   10.88880 (20092620)   501721.98
3635575.90   8.38938 (19042122)
        501821.98   3635575.90   8.76031 (20031921)   501921.98
3635575.90   9.62621 (19013101)
        502021.98   3635575.90   11.15332 (19013101)   502121.98
3635575.90   11.74968 (19013101)
        505321.98   3635575.90   10.19123 (20102020)   505421.98
3635575.90   9.70273 (20102020)
        505521.98   3635575.90   8.83331 (20102020)   505621.98
3635575.90   8.22683 (20092620)
        505721.98   3635575.90   9.31791 (20092620)   501721.98
3635675.90   8.22312 (20031921)
        501821.98   3635675.90   9.89718 (19013101)   501921.98
3635675.90   10.96033 (19013101)
        502021.98   3635675.90   11.01700 (19013101)   502121.98
3635675.90   11.53875 (20122320)
        505321.98   3635675.90   9.89930 (21012617)   505421.98
3635675.90   9.59019 (20102020)

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

```
VALUES FOR SOURCE GROUP:  FIRE     ***
                                INCLUDING SOURCE(S):     FIRE        ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        505521.98   3635675.90        9.28254  (20102020)                505621.98
3635675.90        8.68773  (20102020)
        505721.98   3635675.90        7.62441  (20102020)                501721.98
3635775.90        9.91433  (19013101)
        501821.98   3635775.90       10.52649  (19013101)                501921.98
3635775.90       10.30940  (20122320)
        502021.98   3635775.90       11.12913  (20122320)                502121.98
3635775.90       11.41428  (21012023)
        505321.98   3635775.90        9.55594  (21012617)                505421.98
3635775.90        9.50144  (21012617)
        505521.98   3635775.90        9.02777  (20102020)                505621.98
3635775.90        9.05003  (20102020)
        505721.98   3635775.90        8.56506  (20102020)                501721.98
3635875.90        9.74946  (19013101)
        501821.98   3635875.90       10.14457  (20122320)                501921.98
3635875.90       10.59272  (20122320)
        502021.98   3635875.90       11.00040  (21012023)                502121.98
3635875.90       10.51989  (21012023)
        505321.98   3635875.90        9.57505  (19030801)                505421.98
3635875.90        9.10443  (21012617)
        505521.98   3635875.90        9.13881  (21012617)                505621.98
3635875.90        8.46718  (20102020)
        505721.98   3635875.90        8.63131  (20102020)                501721.98
3635975.90        9.64808  (20122320)
        501821.98   3635975.90        9.91188  (20122320)                501921.98
3635975.90       10.50780  (21012023)
        502021.98   3635975.90        9.76978  (21012023)                502121.98
3635975.90       10.82283  (20122721)
        505321.98   3635975.90       10.74101  (19030801)                505421.98
3635975.90        9.22529  (19030801)
        505521.98   3635975.90        8.66802  (21012617)                505621.98
3635975.90        8.75916  (21012617)
        505721.98   3635975.90        8.13324  (21012617)                501721.98
3636075.90        9.45982  (21012023)
        501821.98   3636075.90        9.86642  (21012023)                501921.98
3636075.90        9.21112  (20122721)
        502021.98   3636075.90       10.33269  (20122721)                502121.98
```

3636075.90   10.30335 (20122721)
        502221.98   3636075.90   9.86041 (19031105)   502321.98
3636075.90   9.65395 (21121424)
        502421.98   3636075.90   11.24808 (21121424)   502521.98
3636075.90   10.77972 (21121424)
        502621.98   3636075.90   11.17326 (19112801)   502721.98
3636075.90   11.77857 (19121706)
        502821.98   3636075.90   10.39198 (19121706)   502921.98
3636075.90   10.34252 (20070104)
        503021.98   3636075.90   10.84088 (21021621)   503121.98
3636075.90   10.80152 (19050823)
        503221.98   3636075.90   11.02194 (19050823)   503321.98
3636075.90   11.44199 (20120224)
        503421.98   3636075.90   13.33335 (20120224)   503521.98
3636075.90   12.06518 (19072124)
        503621.98   3636075.90   11.19296 (19080922)   503721.98
3636075.90   12.44657 (21041324)
        503821.98   3636075.90   13.34543 (19072223)   503921.98
3636075.90   11.37866 (19071923)
        504021.98   3636075.90   12.27170 (19072224)   504121.98
3636075.90   10.93000 (19072224)
        504221.98   3636075.90   10.75476 (21050322)   504321.98
3636075.90   10.56906 (19050322)
        504421.98   3636075.90   13.06617 (21013118)   504521.98
3636075.90   10.91505 (21013118)
        504621.98   3636075.90   9.88034 (19061821)   504721.98
3636075.90   9.29148 (20102221)
        504821.98   3636075.90   9.41658 (19061724)   504921.98
3636075.90   9.05996 (19112903)
        505021.98   3636075.90   8.92439 (19032022)   505121.98
3636075.90   9.53751 (20043024)
        505221.98   3636075.90   10.87401 (20043024)   505321.98
3636075.90   10.52556 (20043024)
        505421.98   3636075.90   10.26124 (19030801)   505521.98
3636075.90   8.75749 (19030801)
        505621.98   3636075.90   8.23579 (21012617)   505721.98
3636075.90   8.40085 (21012617)
        501721.98   3636175.90   8.95556 (21012023)   501821.98
3636175.90   8.77394 (20122721)
        501921.98   3636175.90   9.82356 (20122721)   502021.98
3636175.90   9.74159 (20122721)
        502121.98   3636175.90   9.38908 (19031105)   502221.98
3636175.90   8.93169 (21121424)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***

INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502321.98	3636175.90	10.68914	(21121424)	502421.98	3636175.90	10.62354	(21121424)
502521.98	3636175.90	10.55983	(19112801)	502621.98	3636175.90	11.17231	(19121706)
502721.98	3636175.90	10.81051	(19121706)	502821.98	3636175.90	9.65629	(20070104)
502921.98	3636175.90	10.28295	(21021621)	503021.98	3636175.90	9.93105	(21012818)
503121.98	3636175.90	10.56737	(19050823)	503221.98	3636175.90	10.48994	(21100603)
503321.98	3636175.90	12.05128	(20120224)	503421.98	3636175.90	12.33004	(20120224)
503521.98	3636175.90	11.80642	(21021806)	503621.98	3636175.90	10.74101	(19080922)
503721.98	3636175.90	12.12800	(21041324)	503821.98	3636175.90	12.75766	(19072223)
503921.98	3636175.90	10.86893	(19071923)	504021.98	3636175.90	11.66484	(19072224)
504121.98	3636175.90	10.75911	(19072224)	504221.98	3636175.90	10.22227	(21050322)
504321.98	3636175.90	10.50798	(19050322)	504421.98	3636175.90	11.90658	(21013118)
504521.98	3636175.90	9.65423	(21013118)	504621.98	3636175.90	9.36921	(19080523)
504721.98	3636175.90	9.28341	(19061821)	504821.98	3636175.90	9.22088	(19060920)
504921.98	3636175.90	9.03337	(19112903)	505021.98	3636175.90	8.71111	(19032022)
505121.98	3636175.90	8.53135	(20102224)	505221.98	3636175.90	9.55362	(20043024)
505321.98	3636175.90	10.47769	(20043024)	505421.98	3636175.90	10.11142	(19030801)
505521.98	3636175.90	9.73800	(19030801)	505621.98	3636175.90	8.31372	(19030801)
505721.98	3636175.90	7.83473	(21012617)	501721.98			

```
3636275.90        8.30745  (20122721)
        501821.98   3636275.90        9.19380  (20122721)                501921.98
3636275.90        9.17617  (20122721)
        502021.98   3636275.90        8.93552  (19031105)                502121.98
3636275.90        8.28778  (20112322)
        502221.98   3636275.90       10.11748  (21121424)                502321.98
3636275.90       10.36096  (21121424)
        502421.98   3636275.90        9.88208  (19112801)                502521.98
3636275.90       10.38638  (19121706)
        502621.98   3636275.90       10.83207  (19121706)                502721.98
3636275.90        8.97196  (20040204)
        502821.98   3636275.90        9.54261  (20070104)                502921.98
3636275.90        9.93993  (21021621)
        503021.98   3636275.90        9.64983  (19050823)                503121.98
3636275.90       10.12533  (19050823)
        503221.98   3636275.90       10.00610  (21100603)                503321.98
3636275.90       12.22708  (20120224)
        503421.98   3636275.90       11.93398  (19072124)                503521.98
3636275.90       11.49139  (21021806)
        503621.98   3636275.90       10.32315  (19080922)                503721.98
3636275.90       11.85347  (21041324)
        503821.98   3636275.90       12.24690  (19072223)                503921.98
3636275.90       10.41685  (19071923)
        504021.98   3636275.90       11.04795  (19072224)                504121.98
3636275.90       10.46804  (19072224)
        504221.98   3636275.90        9.45713  (21070323)                504321.98
3636275.90        7.83737  (19082724)
        504421.98   3636275.90        6.97937  (21052005)                504521.98
3636275.90        6.25928  (21052005)
        504621.98   3636275.90        7.80965  (19111019)                504721.98
3636275.90        8.80084  (19061821)
        504821.98   3636275.90        8.16421  (20102221)                504921.98
3636275.90        8.84469  (19060920)
        505021.98   3636275.90        8.55317  (19112903)                505121.98
3636275.90        8.29977  (19032022)
        505221.98   3636275.90        8.28429  (20102224)                505321.98
3636275.90        9.44144  (20043024)
        505421.98   3636275.90       10.05916  (20043024)                505521.98
3636275.90        9.72479  (19030801)
        505621.98   3636275.90        9.25592  (19030801)                505721.98
3636275.90        7.87442  (19030801)
        501721.98   3636375.90        8.57847  (20122721)                501821.98
3636375.90        8.55730  (20122721)
        501921.98   3636375.90        8.45910  (19031105)                502021.98
3636375.90        7.85158  (20112322)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FIRE ***
INCLUDING SOURCE(S): FIRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502121.98	3636375.90	9.50809	(21121424)	502221.98	3636375.90	10.02248	(21121424)
502321.98	3636375.90	9.12489	(19112801)	502421.98	3636375.90	9.93659	(19112801)
502521.98	3636375.90	10.54357	(19121706)	502621.98	3636375.90	9.50786	(19121706)
502721.98	3636375.90	9.04262	(20070104)	502821.98	3636375.90	9.48801	(21021621)
502921.98	3636375.90	9.14572	(21021621)	503021.98	3636375.90	9.58015	(19050823)
503121.98	3636375.90	9.49356	(20100906)	503221.98	3636375.90	9.53700	(19080122)
503321.98	3636375.90	11.53170	(20120224)	503421.98	3636375.90	11.29116	(19072124)
503521.98	3636375.90	10.78268	(21021806)	503621.98	3636375.90	9.86335	(19080922)
503721.98	3636375.90	11.52041	(21041324)	503821.98	3636375.90	11.76372	(19072223)
503921.98	3636375.90	9.95473	(19071923)	504021.98	3636375.90	10.40234	(19072224)
504121.98	3636375.90	10.00270	(19072224)	504221.98	3636375.90	8.18096	(19070422)
504321.98	3636375.90	6.98682	(19082724)	504421.98	3636375.90	5.78613	(20031720)
504521.98	3636375.90	5.51715	(21052005)	504621.98	3636375.90	6.45127	(19111019)
504721.98	3636375.90	7.37845	(21080821)	504821.98	3636375.90	6.91773	(20102221)
504921.98	3636375.90	6.75366	(20102221)	505021.98	3636375.90	8.39910	(19061724)
505121.98	3636375.90	7.97302	(19112903)	505221.98	3636375.90	7.89648	(19032022)
505321.98	3636375.90	8.00582	(20102224)	505421.98			

```
3636375.90        9.28814  (20043024)
        505521.98   3636375.90        9.64238  (20043024)                505621.98
3636375.90        9.32949  (19030801)
        505721.98   3636375.90        8.79847  (19030801)                501721.98
3636475.90        7.76374  (20122721)
        501821.98   3636475.90        7.66804  (19031105)                501921.98
3636475.90        7.41588  (20112322)
        502021.98   3636475.90        8.81616  (21121424)                502121.98
3636475.90        9.56806  (21121424)
        502221.98   3636475.90        8.80755  (21121424)                502321.98
3636475.90        9.46032  (19112801)
        502421.98   3636475.90       10.03427  (19121706)                502521.98
3636475.90        9.73428  (19121706)
        502621.98   3636475.90        8.33597  (20070104)                502721.98
3636475.90        8.81902  (20070104)
        502821.98   3636475.90        9.10149  (21021621)                502921.98
3636475.90        8.82608  (20101905)
        503021.98   3636475.90        9.18634  (19050823)                503121.98
3636475.90        8.93669  (21100603)
        503221.98   3636475.90        9.24074  (20120224)                503321.98
3636475.90       10.48769  (20120224)
        503421.98   3636475.90       10.24595  (19072124)                503521.98
3636475.90        9.57463  (21021806)
        503621.98   3636475.90        9.33754  (19080922)                503721.98
3636475.90       11.04800  (21041324)
        503821.98   3636475.90       11.19179  (19072223)                503921.98
3636475.90        9.31910  (19071923)
        504021.98   3636475.90        9.11339  (19072224)                504121.98
3636475.90        9.20105  (19072224)
        504221.98   3636475.90        7.68840  (19070422)                504321.98
3636475.90        6.40176  (19082724)
        504421.98   3636475.90        5.29089  (20031720)                504521.98
3636475.90        5.04599  (21013118)
        504621.98   3636475.90        4.99779  (21013118)                504721.98
3636475.90        5.33830  (19111019)
        504821.98   3636475.90        5.44594  (20102221)                504921.98
3636475.90        6.63720  (20102221)
        505021.98   3636475.90        8.10740  (19060920)                505121.98
3636475.90        8.02659  (19112903)
        505221.98   3636475.90        7.68372  (19032022)                505321.98
3636475.90        7.50207  (20102224)
        505421.98   3636475.90        7.88506  (20043024)                505521.98
3636475.90        9.08799  (20043024)
        505621.98   3636475.90        9.21631  (20043024)                505721.98
3636475.90        8.95133  (19030801)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 ,
L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633475.90	10.57821	(21030103)	502771.98	3633475.90	13.85122	(21030103)
502821.98	3633475.90	17.27073	(21030103)	502871.98	3633475.90	20.35811	(21030103)
502921.98	3633475.90	22.52564	(21030103)	502971.98	3633475.90	24.56517	(20121603)
503021.98	3633475.90	30.35065	(20121603)	503071.98	3633475.90	34.03763	(20121603)
503121.98	3633475.90	34.39491	(20121603)	503171.98	3633475.90	30.99704	(20121603)
503221.98	3633475.90	28.41143	(21063005)	503271.98	3633475.90	28.29726	(20102407)
503321.98	3633475.90	59.21603	(20082723)	503371.98	3633475.90	67.79871	(20111701)
503421.98	3633475.90	55.59958	(20111701)	503471.98	3633475.90	60.12603	(19081924)
503521.98	3633475.90	64.21746	(19110606)	503621.98	3633475.90	64.30032	(19101521)
503671.98	3633475.90	58.97264	(20050102)	503721.98	3633475.90	59.21778	(21020203)
503771.98	3633475.90	52.64631	(20082921)	503821.98	3633475.90	61.34720	(20082921)
503871.98	3633475.90	52.57462	(20081802)	503921.98	3633475.90	55.34907	(19032124)
503971.98	3633475.90	56.42701	(21013120)	504021.98	3633475.90	55.80337	(21011302)
504071.98	3633475.90	55.34673	(19102905)	504121.98	3633475.90	56.93721	(20022403)
504171.98	3633475.90	55.92901	(21011620)	504221.98	3633475.90	55.59448	(21013021)
504271.98	3633475.90	53.37946	(21120723)	504321.98			

```
3633475.90       51.50754  (20073020)
        504371.98   3633475.90       49.05078  (21022020)                504421.98
3633475.90       49.78512  (21120804)
        504471.98   3633475.90       50.15367  (20011902)                504521.98
3633475.90       49.23197  (19022705)
        504571.98   3633475.90       47.39988  (21021820)                504621.98
3633475.90       46.99185  (21011520)
        504671.98   3633475.90       44.77439  (21010522)                504721.98
3633475.90       42.80761  (19122301)
        502721.98   3633525.90        8.39895  (21030103)                502771.98
3633525.90       11.54722  (21030103)
        502821.98   3633525.90       15.18996  (21030103)                502871.98
3633525.90       18.94961  (21030103)
        502921.98   3633525.90       22.24389  (21030103)                502971.98
3633525.90       24.39177  (21030103)
        503021.98   3633525.90       28.12100  (20121603)                503071.98
3633525.90       33.99141  (20121603)
        503121.98   3633525.90       36.98097  (20121603)                503171.98
3633525.90       35.81829  (20121603)
        503221.98   3633525.90       30.56395  (20121603)                503271.98
3633525.90       30.07711  (21063005)
        503321.98   3633525.90       46.54825  (20102407)                503371.98
3633525.90       67.57147  (20111701)
        503421.98   3633525.90       68.77363  (20111701)                503471.98
3633525.90       74.86594  (19081924)
        503521.98   3633525.90       66.90192  (19081924)                503621.98
3633525.90       76.43663  (19101521)
        503671.98   3633525.90       72.93330  (20050102)                503721.98
3633525.90       76.89597  (21020203)
        503771.98   3633525.90       64.66669  (20082921)                503821.98
3633525.90       70.41789  (20082921)
        503871.98   3633525.90       60.68549  (20081802)                503921.98
3633525.90       61.83641  (20022622)
        503971.98   3633525.90       62.75566  (21013120)                504021.98
3633525.90       55.85681  (21011302)
        504071.98   3633525.90       59.50068  (21022205)                504121.98
3633525.90       61.03797  (20081021)
        504171.98   3633525.90       61.25082  (21013021)                504221.98
3633525.90       60.02982  (20073022)
        504271.98   3633525.90       55.81253  (21120723)                504321.98
3633525.90       52.54440  (20112022)
        504371.98   3633525.90       54.35760  (21011323)                504421.98
3633525.90       53.50037  (21010102)
        504471.98   3633525.90       50.60152  (19022705)                504521.98
3633525.90       51.51055  (21021820)
        504571.98   3633525.90       50.11458  (21011520)                504621.98
3633525.90       47.01020  (21010522)
        504671.98   3633525.90       45.94450  (19122301)                504721.98
3633525.90       43.07096  (20122923)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3633575.90 66.60408 (21011620)
504171.98 3633575.90 72.90839 (21013021) 504221.98
3633575.90 68.76209 (20073022)
504271.98 3633575.90 58.81555 (20073020) 504321.98
3633575.90 55.98701 (21011323)
504371.98 3633575.90 56.00046 (21010102) 504421.98
3633575.90 55.45128 (20011902)
504471.98 3633575.90 54.65981 (21021820) 504521.98
3633575.90 52.76726 (21011520)
504571.98 3633575.90 49.76717 (19121906) 504621.98
3633575.90 49.18844 (19122301)
504671.98 3633575.90 46.54562 (20122923) 504721.98
3633575.90 45.78387 (21022502)
502721.98 3633625.90 10.79193 (19010119) 502771.98
3633625.90 10.22826 (19010119)
502821.98 3633625.90 9.95259 (21030103) 502871.98
3633625.90 13.92081 (21030103)
502921.98 3633625.90 18.48785 (21030103) 502971.98
3633625.90 23.07435 (21030103)
503021.98 3633625.90 26.77958 (21030103) 503071.98
3633625.90 28.65969 (20121603)
503121.98 3633625.90 36.76041 (20121603) 503171.98
3633625.90 41.95766 (20121603)
503221.98 3633625.90 42.06802 (20121603) 503271.98
3633625.90 36.53675 (20121603)
503321.98 3633625.90 34.74142 (21063005) 503371.98
3633625.90 54.61407 (20102407)
503421.98 3633625.90 67.10336 (20082723) 503471.98
3633625.90 82.15598 (19081924)
503521.98 3633625.90 103.88154 (19081924) 503621.98
3633625.90 88.03488 (19101521)
503671.98 3633625.90 83.74733 (21090401) 503721.98
3633625.90 92.36731 (21020203)
503771.98 3633625.90 80.83832 (20082921) 503821.98
3633625.90 95.51318 (20082921)
503871.98 3633625.90 77.63094 (20032501) 503921.98
3633625.90 82.72491 (20022622)
503971.98 3633625.90 79.72168 (21011302) 504021.98
3633625.90 77.98527 (19102905)
504071.98 3633625.90 74.80648 (20081021) 504121.98
3633625.90 75.57449 (21011620)
504171.98 3633625.90 78.69950 (21013021) 504221.98
3633625.90 71.13768 (21120723)
504271.98 3633625.90 62.14673 (20073020) 504321.98
3633625.90 59.71885 (21011323)
504371.98 3633625.90 59.36103 (20011902) 504421.98
3633625.90 58.85674 (19022705)
504471.98 3633625.90 56.71165 (20121007) 504521.98
3633625.90 53.62455 (19121906)
504571.98 3633625.90 52.39811 (19122301) 504621.98

3633625.90   50.22116 (20122923)
        504671.98   3633625.90   48.49342 (21022502)   504721.98
3633625.90   47.70973 (21022502)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3633675.90       92.22905  (20022622)
        503971.98   3633675.90       87.21691  (21011302)                504021.98
3633675.90       85.81243  (19102905)
        504071.98   3633675.90       83.27728  (20081021)                504121.98
3633675.90       90.01665  (21013021)
        504171.98   3633675.90       83.05624  (20073022)                504221.98
3633675.90       80.40022  (20073020)
        504271.98   3633675.90       71.60202  (21011323)                504321.98
3633675.90       64.45742  (21010102)
        504371.98   3633675.90       60.64866  (19022705)                504421.98
3633675.90       60.84347  (21021820)
        504471.98   3633675.90       58.86391  (21011520)                504521.98
3633675.90       55.97037  (21010522)
        504571.98   3633675.90       54.30009  (20122923)                504621.98
3633675.90       51.78306  (21022502)
        504671.98   3633675.90       50.90928  (19120104)                504721.98
3633675.90       49.38548  (20021702)
        502721.98   3633725.90       13.86253  (21111004)                502771.98
3633725.90       13.07579  (19010119)
        502821.98   3633725.90       12.90154  (19010119)                502871.98
3633725.90       12.34891  (19010119)
        502921.98   3633725.90       11.99977  (21030103)                502971.98
3633725.90       17.12238  (21030103)
        503021.98   3633725.90       22.95396  (21030103)                503071.98
3633725.90       28.58086  (21030103)
        503121.98   3633725.90       32.59286  (21030103)                503171.98
3633725.90       39.14627  (20121603)
        503221.98   3633725.90       47.52887  (20121603)                503271.98
3633725.90       49.86312  (20121603)
        503321.98   3633725.90       44.43442  (20121603)                503371.98
3633725.90       40.84146  (21063005)
        503421.98   3633725.90       44.72166  (20102407)                503471.98
3633725.90       43.87697  (20102407)
        503521.98   3633725.90       72.07165  (19081924)                503571.98
3633725.90       96.27814  (19081924)
        503721.98   3633725.90      105.90322  (20082503)                503771.98
3633725.90      102.36074  (20082503)
        503821.98   3633725.90      107.75471  (20082921)                503871.98
3633725.90       90.66590  (19032124)
        503921.98   3633725.90       99.79324  (20022622)                503971.98
3633725.90       91.18363  (21011302)
        504021.98   3633725.90       90.64954  (21022205)                504071.98
3633725.90       91.17090  (21011620)
        504121.98   3633725.90       99.84098  (21013021)                504171.98
3633725.90       90.53177  (21120723)
        504221.98   3633725.90       81.91378  (20073020)                504271.98
3633725.90       81.68266  (21010102)
        504321.98   3633725.90       72.49827  (20080120)                504371.98
3633725.90       65.84728  (21021820)
        504421.98   3633725.90       64.32242  (21011520)                504471.98
```

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                   INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502771.98   3633775.90   15.73859 (21111004)   502821.98
3633775.90   14.26724 (19010119)
        502871.98   3633775.90   14.20211 (19010119)   502921.98
3633775.90   13.68915 (19010119)
        502971.98   3633775.90   13.26333 (21030103)   503021.98
3633775.90   19.14340 (21030103)
        503071.98   3633775.90   25.81829 (21030103)   503121.98
3633775.90   32.05004 (21030103)
        503171.98   3633775.90   36.10273 (21030103)   503221.98
3633775.90   45.79977 (20121603)
        503271.98   3633775.90   53.53992 (20121603)   503321.98
3633775.90   53.05146 (20121603)
        503371.98   3633775.90   44.59853 (21063005)   503421.98
3633775.90   46.30885 (20102407)
        503471.98   3633775.90   49.35094 (20102407)   503771.98
3633775.90   118.35429 (20082503)
        503821.98   3633775.90   112.92976 (20082921)   503871.98
3633775.90   102.98509 (19032124)
        503921.98   3633775.90   108.48595 (21013120)   503971.98

```
3633775.90      101.81253  (19102905)
        504021.98   3633775.90       99.85884  (20022403)                504071.98
3633775.90      108.16332  (21013021)
        504121.98   3633775.90      100.36797  (21120723)                504171.98
3633775.90       95.24061  (20101423)
        504221.98   3633775.90       96.60348  (21011323)                504271.98
3633775.90       90.46318  (20011902)
        504321.98   3633775.90       78.88515  (19022705)                504371.98
3633775.90       72.20939  (21011520)
        504421.98   3633775.90       68.38240  (21010522)                504471.98
3633775.90       64.55486  (20122923)
        504521.98   3633775.90       62.84379  (20080623)                504571.98
3633775.90       64.57232  (19120104)
        504621.98   3633775.90       63.38639  (20081805)                504671.98
3633775.90       62.58519  (20081805)
        504721.98   3633775.90       61.10874  (20081803)                502721.98
3633825.90       19.34324  (21111004)
        502771.98   3633825.90       18.94719  (21111004)                502821.98
3633825.90       17.92194  (21111004)
        502871.98   3633825.90       16.28150  (21111004)                502921.98
3633825.90       15.73095  (19010119)
        502971.98   3633825.90       15.24290  (19010119)                503021.98
3633825.90       14.73693  (21030103)
        503071.98   3633825.90       21.54607  (21030103)                503121.98
3633825.90       29.22590  (21030103)
        503171.98   3633825.90       36.14452  (21030103)                503221.98
3633825.90       40.65969  (20121603)
        503271.98   3633825.90       53.50595  (20121603)                503771.98
3633825.90      142.72942  (20082503)
        503821.98   3633825.90      127.16134  (20080822)                503871.98
3633825.90      115.63206  (20022622)
        503921.98   3633825.90      118.93794  (21013120)                503971.98
3633825.90      114.90885  (19102905)
        504021.98   3633825.90      117.61975  (20022403)                504071.98
3633825.90      121.35605  (21013021)
        504121.98   3633825.90      111.96406  (21120723)                504171.98
3633825.90      104.02238  (21011323)
        504221.98   3633825.90      105.59582  (21010102)                504271.98
3633825.90      100.55156  (19022705)
        504321.98   3633825.90       94.99669  (20121007)                504371.98
3633825.90       86.85235  (21010522)
        504421.98   3633825.90       79.05955  (20122923)                504471.98
3633825.90       73.55765  (20080623)
        504521.98   3633825.90       72.33698  (19120104)                504571.98
3633825.90       76.10563  (20081805)
        504621.98   3633825.90       73.00812  (20081805)                504671.98
3633825.90       71.13173  (20081803)
        504721.98   3633825.90       67.29745  (20111118)                502721.98
3633875.90       20.77449  (21111004)
        502771.98   3633875.90       21.36950  (21111004)                502821.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 ,
  L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503871.98	3633875.90	129.97042	(20022622)	503921.98	3633875.90	130.16104	(21011302)
503971.98	3633875.90	127.55439	(21022205)	504021.98	3633875.90	134.85602	(20032321)
504071.98	3633875.90	123.54681	(21013021)	504121.98	3633875.90	119.36784	(19033021)
504171.98	3633875.90	116.79904	(21011323)	504221.98	3633875.90	113.30550	(20011902)
504271.98	3633875.90	109.42897	(21021820)	504321.98	3633875.90	100.08657	(19121906)
504371.98	3633875.90	93.60015	(19122301)	504421.98	3633875.90	83.99192	(20080623)
504471.98	3633875.90	82.80043	(19120104)	504521.98	3633875.90	89.17231	(20081805)
504571.98	3633875.90	86.59442	(20081803)	504621.98			

3633875.90 83.59237 (20081803)
504671.98 3633875.90 73.49305 (20111118) 504721.98
3633875.90 72.07488 (20082222)
502721.98 3633925.90 20.76448 (21111004) 502771.98
3633925.90 22.40733 (21111004)
502821.98 3633925.90 23.52476 (21111004) 502871.98
3633925.90 23.92260 (21111004)
502921.98 3633925.90 23.42146 (21111004) 502971.98
3633925.90 21.90784 (21111004)
503021.98 3633925.90 19.48605 (19010119) 503071.98
3633925.90 19.22326 (19010119)
503121.98 3633925.90 18.54211 (21030103) 503171.98
3633925.90 27.94771 (21030103)
503221.98 3633925.90 38.35402 (21030103) 503271.98
3633925.90 46.79232 (21030103)
503821.98 3633925.90 153.32072 (21082504) 503871.98
3633925.90 142.58401 (20022622)
503921.98 3633925.90 138.27452 (21011302) 503971.98
3633925.90 130.34207 (20022403)
504021.98 3633925.90 161.33486 (20032321) 504071.98
3633925.90 147.29185 (19033021)
504121.98 3633925.90 128.50485 (21060903) 504171.98
3633925.90 124.55898 (21010102)
504221.98 3633925.90 121.67159 (21021820) 504271.98
3633925.90 118.18673 (21011520)
504321.98 3633925.90 111.24179 (19122301) 504371.98
3633925.90 99.88840 (19022722)
504421.98 3633925.90 99.04792 (19120104) 504471.98
3633925.90 105.35448 (20081805)
504521.98 3633925.90 100.26328 (20081803) 504571.98
3633925.90 89.63091 (20081803)
504621.98 3633925.90 80.52519 (20111118) 504671.98
3633925.90 79.95562 (21011418)
504721.98 3633925.90 75.68106 (21011418) 502721.98
3633975.90 19.19408 (21111004)
502771.98 3633975.90 21.70237 (21111004) 502821.98
3633975.90 23.96932 (21111004)
502871.98 3633975.90 25.80108 (21111004) 502921.98
3633975.90 26.84299 (21111004)
502971.98 3633975.90 26.80906 (21111004) 503021.98
3633975.90 25.56963 (21111004)
503071.98 3633975.90 23.06299 (21111004) 503121.98
3633975.90 21.82736 (19010119)
503171.98 3633975.90 21.03718 (21030103) 503221.98
3633975.90 32.29299 (21030103)
503271.98 3633975.90 44.57159 (21030103) 503821.98
3633975.90 156.77719 (21082504)
503871.98 3633975.90 149.69336 (20022622) 503921.98
3633975.90 122.66072 (21011302)
503971.98 3633975.90 139.28032 (20032321) 504021.98

3633975.90   157.85146 (20032321)
        504071.98   3633975.90   160.12483 (19033021)   504121.98
3633975.90   130.47932 (21010102)
        504171.98   3633975.90   130.56601 (19022705)   504221.98
3633975.90   131.51109 (21011520)
        504271.98   3633975.90   123.90857 (19122301)   504321.98
3633975.90   113.33318 (19022722)
        504371.98   3633975.90   110.95886 (19120104)   504421.98
3633975.90   124.63439 (20081805)
        504471.98   3633975.90   113.27018 (20081803)   504521.98
3633975.90   93.68046 (20111118)
        504571.98   3633975.90   89.86746 (20082222)   504621.98
3633975.90   88.22250 (21011418)
        504671.98   3633975.90   76.56607 (21011418)   504721.98
3633975.90   63.87342 (20081722)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634025.90 37.76186 (21030103)
503871.98 3634025.90 146.36586 (20022622) 503921.98
3634025.90 108.21245 (21022105)
503971.98 3634025.90 165.80490 (20032321) 504021.98
3634025.90 150.84907 (19033021)
504071.98 3634025.90 146.54966 (21060903) 504121.98
3634025.90 138.89324 (20011902)
504171.98 3634025.90 142.30969 (21011520) 504221.98
3634025.90 137.30958 (21010522)
504271.98 3634025.90 126.88647 (21060824) 504321.98
3634025.90 131.87591 (20081805)
504371.98 3634025.90 145.12494 (20081805) 504421.98
3634025.90 126.16003 (20081803)
504471.98 3634025.90 103.92507 (20111118) 504521.98
3634025.90 100.48514 (21011418)
504571.98 3634025.90 94.23366 (21011418) 504621.98
3634025.90 73.04511 (21011418)
504671.98 3634025.90 68.89978 (21122302) 504721.98
3634025.90 64.34449 (21011724)
502721.98 3634075.90 25.95884 (21012320) 502771.98
3634075.90 24.16699 (21012320)
502821.98 3634075.90 21.87655 (21012320) 502871.98
3634075.90 22.69885 (21111004)
502921.98 3634075.90 26.55158 (21111004) 502971.98
3634075.90 30.21661 (21111004)
503021.98 3634075.90 33.28841 (21111004) 503071.98
3634075.90 35.14923 (21111004)
503121.98 3634075.90 35.25581 (21111004) 503171.98
3634075.90 33.20271 (21111004)
503221.98 3634075.90 28.94045 (21111004) 503271.98
3634075.90 27.97262 (19010119)
503871.98 3634075.90 114.17993 (21013120) 503921.98
3634075.90 122.93952 (21022105)
503971.98 3634075.90 107.25759 (20050805) 504021.98
3634075.90 165.36392 (19033021)
504071.98 3634075.90 151.64644 (21010102) 504121.98
3634075.90 153.09712 (21021820)
504171.98 3634075.90 150.94769 (21010522) 504221.98
3634075.90 158.22299 (21060824)
504271.98 3634075.90 168.04624 (20081805) 504321.98
3634075.90 176.65837 (20081805)
504371.98 3634075.90 147.68437 (20081803) 504421.98
3634075.90 119.95530 (20081603)
504471.98 3634075.90 114.04348 (21011418) 504521.98
3634075.90 94.91038 (21011418)
504571.98 3634075.90 78.03082 (21122302) 504621.98
3634075.90 73.06645 (21011724)
504671.98 3634075.90 70.34180 (21010408) 504721.98
3634075.90 65.18337 (21011221)
502721.98 3634125.90 32.59206 (21012320) 502771.98

3634125.90   32.20377 (21012320)
        502821.98   3634125.90   31.18760 (21012320)   502871.98
3634125.90   29.40233 (21012320)
        502921.98   3634125.90   26.70308 (21012320)   502971.98
3634125.90   27.15255 (21111004)
        503021.98   3634125.90   32.06549 (21111004)   503071.98
3634125.90   36.59324 (21111004)
        503121.98   3634125.90   40.05632 (21111004)   503171.98
3634125.90   41.58040 (21111004)
        503221.98   3634125.90   40.33155 (21111004)   503271.98
3634125.90   36.00201 (21111004)
        503921.98   3634125.90   134.94888 (21022105)   503971.98
3634125.90   121.13324 (20110505)
        504021.98   3634125.90   132.81332 (21120804)   504071.98
3634125.90   166.19447 (19022705)
        504121.98   3634125.90   155.55643 (21011520)   504171.98
3634125.90   170.13184 (21060824)
        504221.98   3634125.90   206.01878 (20081805)   504271.98
3634125.90   224.75971 (20081805)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3634125.90       72.67267  (20121406)
        504721.98   3634125.90       66.71501  (20021305)                502721.98
3634175.90       35.68263  (21012320)
        502771.98   3634175.90       37.41438  (21012320)                502821.98
3634175.90       38.60478  (21012320)
        502871.98   3634175.90       38.99722  (21012320)                502921.98
3634175.90       38.26292  (21012320)
        502971.98   3634175.90       36.38552  (21012320)                503021.98
3634175.90       33.32294  (21012320)
        503071.98   3634175.90       33.25021  (21111004)                503121.98
3634175.90       39.60335  (21111004)
        503171.98   3634175.90       45.22762  (21111004)                503221.98
3634175.90       48.86322  (21111004)
        503271.98   3634175.90       49.30676  (21111004)                503971.98
3634175.90      154.34701  (21022020)
        504021.98   3634175.90      147.90318  (21022702)                504071.98
3634175.90      134.59598  (21021721)
        504121.98   3634175.90      166.25937  (21060824)                504171.98
3634175.90      210.49013  (20081805)
        504221.98   3634175.90      239.15458  (20081803)                504271.98
3634175.90      225.12672  (20081603)
        504321.98   3634175.90      224.34731  (20081603)                504371.98
3634175.90      131.35557  (21011418)
        504421.98   3634175.90      102.47492  (21122302)                504471.98
3634175.90       96.15166  (21010408)
        504521.98   3634175.90       87.98908  (21011221)                504571.98
3634175.90       85.02026  (20121406)
        504621.98   3634175.90       78.83083  (20021723)                504671.98
3634175.90       76.55827  (19011606)
        504721.98   3634175.90       71.50518  (19011606)                502721.98
3634225.90       34.03803  (21012320)
        502771.98   3634225.90       37.58668  (21012320)                502821.98
3634225.90       41.02792  (21012320)
        502871.98   3634225.90       44.07949  (21012320)                502921.98
3634225.90       46.38349  (21012320)
        502971.98   3634225.90       47.77813  (21012320)                503021.98
3634225.90       47.91506  (21012320)
        503071.98   3634225.90       46.23619  (21012320)                503121.98
3634225.90       42.60016  (21012320)
        503171.98   3634225.90       41.80046  (21111004)                503221.98
3634225.90       50.30533  (21111004)
        503271.98   3634225.90       57.42498  (21111004)                504071.98
3634225.90      152.05333  (21022802)
        504121.98   3634225.90      138.44261  (21010602)                504171.98
3634225.90      255.47995  (20081803)
        504221.98   3634225.90      213.38781  (20081603)                504271.98
3634225.90      232.88662  (20081603)
        504321.98   3634225.90      188.67495  (20080121)                504371.98
3634225.90      130.79278  (21021921)
        504421.98   3634225.90      105.08814  (21011221)                504471.98
```

3634225.90   98.74893 (20121406)
        504521.98   3634225.90   92.10460 (20021723)   504571.98
3634225.90   88.80799 (19011606)
        504621.98   3634225.90   81.35588 (20012223)   504671.98
3634225.90   77.51377 (21022322)
        504721.98   3634225.90   71.89190 (19011923)   502721.98
3634275.90   28.01379 (21012320)
        502771.98   3634275.90   32.18929 (21012320)   502821.98
3634275.90   36.85858 (21012320)
        502871.98   3634275.90   41.94152 (21012320)   502921.98
3634275.90   46.87904 (21012320)
        502971.98   3634275.90   51.71834 (21012320)   503021.98
3634275.90   56.31499 (21012320)
        503071.98   3634275.90   59.68487 (21012320)   503121.98
3634275.90   61.28828 (21012320)
        503171.98   3634275.90   60.43231 (21012320)   503221.98
3634275.90   56.39136 (21012320)
        503271.98   3634275.90   54.75503 (21111004)   504121.98
3634275.90   160.08191 (21020424)
        504171.98   3634275.90   143.26980 (20020722)   504221.98
3634275.90   228.03658 (20080121)
        504271.98   3634275.90   213.17452 (20080721)   504321.98
3634275.90   186.47644 (21040622)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3634275.90       96.89729  (19121305)
        504571.98   3634275.90       88.19750  (19011923)                504621.98
3634275.90       84.68275  (19011923)
        504671.98   3634275.90       78.82221  (19012803)                504721.98
3634275.90       74.44323  (21121821)
        502721.98   3634325.90       28.69937  (19083104)                502771.98
3634325.90       29.71548  (19083104)
        502821.98   3634325.90       30.56005  (19083104)                502871.98
3634325.90       33.07045  (21012320)
        502971.98   3634325.90       45.44527  (21012320)                503021.98
3634325.90       52.92330  (21012320)
        503071.98   3634325.90       60.84320  (21012320)                503121.98
3634325.90       68.66607  (21012320)
        503171.98   3634325.90       75.74333  (21012320)                503221.98
3634325.90       80.85017  (21012320)
        503271.98   3634325.90       82.52104  (21012320)                504171.98
3634325.90      208.49979  (20080121)
        504221.98   3634325.90      250.97262  (21040622)                504271.98
3634325.90      224.29901  (21040622)
        504321.98   3634325.90      206.83091  (21081123)                504371.98
3634325.90      170.48958  (19121305)
        504421.98   3634325.90      133.52716  (20082223)                504471.98
3634325.90      105.04930  (19011923)
        504521.98   3634325.90       96.61014  (21121821)                504571.98
3634325.90       91.68790  (20121224)
        504621.98   3634325.90       85.52242  (20121224)                504671.98
3634325.90       80.16459  (20020703)
        504721.98   3634325.90       72.32014  (21022324)                502721.98
3634375.90       31.04983  (19083104)
        502771.98   3634375.90       33.18998  (19083104)                502821.98
3634375.90       35.32285  (19083104)
        503021.98   3634375.90       44.35752  (19083104)                503071.98
3634375.90       47.72569  (21012320)
        503121.98   3634375.90       58.06780  (21012320)                503171.98
3634375.90       70.03546  (21012320)
        503221.98   3634375.90       83.61330  (21012320)                503271.98
3634375.90       97.82423  (21012320)
        504221.98   3634375.90      255.52618  (21081123)                504271.98
3634375.90      232.40718  (20081502)
        504321.98   3634375.90      208.84609  (20073101)                504371.98
3634375.90      162.38614  (21121821)
        504421.98   3634375.90      117.92829  (20121224)                504471.98
3634375.90      106.78513  (20020703)
        504521.98   3634375.90       95.66972  (21022324)                504571.98
3634375.90       91.83814  (21122121)
        504621.98   3634375.90       88.95472  (21122121)                504671.98
3634375.90       83.16410  (20121803)
        504721.98   3634375.90       79.56700  (20121803)                502721.98
3634425.90       29.06015  (19083104)
        502771.98   3634425.90       31.63616  (19083104)                502821.98
```

```
3634425.90       34.49162  (19083104)
        504271.98   3634425.90      144.15660  (19021120)                504321.98
3634425.90      182.35907  (20080102)
        504371.98   3634425.90      174.15409  (20081301)                504421.98
3634425.90      127.71655  (20121803)
        504471.98   3634425.90      111.69756  (20121803)                504521.98
3634425.90      103.19787  (21122201)
        504571.98   3634425.90       94.02929  (21122201)                504621.98
3634425.90       87.30637  (19021906)
        504671.98   3634425.90       80.59562  (19021906)                504721.98
3634425.90       75.73091  (20031603)
        502721.98   3634475.90       23.82183  (20022619)                502771.98
3634475.90       25.77059  (19083104)
        502821.98   3634475.90       28.48001  (19083104)                504321.98
3634475.90      124.87062  (20010320)
        504371.98   3634475.90      174.98110  (20082805)                504421.98
3634475.90      159.01745  (20013123)
        504471.98   3634475.90      123.11023  (20013123)                504521.98
3634475.90      101.80642  (20013123)
        504571.98   3634475.90       90.04752  (20013123)                504621.98
3634475.90       82.06652  (21013019)
        504671.98   3634475.90       79.06866  (21013019)                504721.98
3634475.90       76.23747  (21013019)
        502721.98   3634525.90       32.92650  (21021102)                502771.98
3634525.90       35.25443  (21021102)
        504371.98   3634525.90      109.51969  (21010219)                504421.98
3634525.90      134.17368  (20082306)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 693
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FORKN    ***
                                  INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                L0000915    , L0000916    , L0000917    , L0000918    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- - - -

3634675.90   69.84086 (21101422)
        504671.98   3634675.90   66.03402 (21090306)   504721.98
3634675.90   64.90409 (21090306)
        502721.98   3634725.90   31.46348 (19050903)   502771.98
3634725.90   34.83649 (19050903)
        502821.98   3634725.90   38.50271 (19050903)   502871.98
3634725.90   42.43525 (19050903)
        502921.98   3634725.90   46.60942 (19050903)   502971.98
3634725.90   50.91830 (19050903)
        503021.98   3634725.90   55.21200 (19050903)   503071.98
3634725.90   59.25454 (19050903)
        503121.98   3634725.90   62.67273 (19050903)   503171.98
3634725.90   64.96811 (19050903)
        503221.98   3634725.90   65.59885 (19050903)   503271.98
3634725.90   69.56806 (20021724)
        503321.98   3634725.90   91.90418 (20021724)   503371.98
3634725.90   141.31284 (21011719)
        503421.98   3634725.90   198.61274 (21011719)   503471.98
3634725.90   210.56864 (21011719)
        503521.98   3634725.90   239.53915 (20022207)   503571.98
3634725.90   263.37520 (21012023)
        503621.98   3634725.90   290.99390 (21121424)   504571.98
3634725.90   64.67194 (21020220)
        504621.98   3634725.90   59.21666 (21020220)   504671.98
3634725.90   67.37746 (21020220)
        504721.98   3634725.90   76.84057 (21012820)   502721.98
3634775.90   34.97733 (19050903)
        502771.98   3634775.90   37.43507 (19050903)   502821.98
3634775.90   39.81151 (19050903)
        502871.98   3634775.90   41.98522 (19050903)   502921.98
3634775.90   43.83016 (19050903)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                    INCLUDING SOURCE(S):   L0000910   , L0000911   , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502971.98	3634775.90	45.16168	(19050903)	503021.98	3634775.90	45.73467	(19050903)
503071.98	3634775.90	45.32787	(19050903)	503121.98	3634775.90	45.06189	(20021724)
503171.98	3634775.90	57.74476	(20021724)	503221.98	3634775.90	72.01214	(20021724)
503271.98	3634775.90	106.29761	(21011719)	503321.98	3634775.90	141.59611	(21011719)
503371.98	3634775.90	154.54694	(21011719)	503421.98	3634775.90	158.95601	(20022207)
503471.98	3634775.90	178.78447	(20022207)	503521.98	3634775.90	189.35438	(21012023)
503571.98	3634775.90	208.27189	(21121424)	503621.98	3634775.90	230.76793	(19121706)
503671.98	3634775.90	192.69047	(19020322)	503721.98	3634775.90	271.92447	(21021806)
503771.98	3634775.90	315.00908	(21012024)	503821.98	3634775.90	192.13582	(21013118)
504621.98	3634775.90	54.18012	(21020220)	504671.98	3634775.90	52.33045	(21020220)
504721.98	3634775.90	77.25754	(21012820)	502721.98	3634825.90	32.96505	(19050903)
502771.98	3634825.90	33.78080	(19050903)	502821.98	3634825.90	34.20738	(19050903)
502871.98	3634825.90	34.13959	(19050903)	502921.98	3634825.90	33.45769	(19050903)
502971.98	3634825.90	32.09422	(19050903)	503021.98	3634825.90	39.61863	(20021724)
503071.98	3634825.90	48.72979	(20021724)	503121.98	3634825.90	58.46948	(21011719)
503171.98	3634825.90	83.79836	(21011719)	503221.98	3634825.90	107.55043	(21011719)
503271.98	3634825.90	118.58738	(21011719)	503321.98	3634825.90	108.74474	(20022207)
503371.98	3634825.90	133.43574	(20022207)	503421.98	3634825.90	141.61335	(21012023)
503471.98	3634825.90	143.25375	(21012023)	503521.98	3634825.90	156.42345	(21121424)
503571.98	3634825.90	169.16653	(19121706)	503621.98	3634825.90	168.18217	(19121706)
503671.98	3634825.90	168.53610	(20120224)	503721.98	3634825.90	230.32539	(21021806)
503771.98	3634825.90	250.66042	(21012024)	503821.98	3634825.90	152.37871	(21041323)
503871.98	3634825.90	201.60788	(21013118)	503921.98			

3634825.90   146.64969 (21013118)
        504671.98   3634825.90   40.56088 (20082303)   504721.98
3634825.90   57.96125 (20082303)
        502721.98   3634875.90   26.56073 (19050903)   502771.98
3634875.90   25.85859 (19050903)
        502821.98   3634875.90   24.84143 (19120120)   502871.98
3634875.90   28.84977 (20021724)
        502921.98   3634875.90   35.00611 (20021724)   502971.98
3634875.90   41.71462 (20021724)
        503021.98   3634875.90   49.88350 (21011719)   503071.98
3634875.90   68.30314 (21011719)
        503121.98   3634875.90   85.30645 (21011719)   503171.98
3634875.90   94.42430 (21011719)
        503221.98   3634875.90   89.47714 (21011719)   503271.98
3634875.90   98.92278 (20022207)
        503321.98   3634875.90   110.62235 (20022207)   503371.98
3634875.90   117.25002 (21012023)
        503421.98   3634875.90   112.75512 (21012023)   503471.98
3634875.90   125.84657 (20040823)
        503521.98   3634875.90   137.33660 (21121424)   503571.98
3634875.90   146.19261 (19121706)
        503621.98   3634875.90   122.44533 (19020322)   503671.98
3634875.90   158.57037 (20120224)
        503721.98   3634875.90   192.32271 (21021806)   503771.98
3634875.90   204.79899 (21012024)
        503821.98   3634875.90   128.70570 (21012024)   503871.98
3634875.90   193.39362 (21013118)
        503921.98   3634875.90   299.96798 (20121721)   504721.98
3634875.90   32.56855 (20082303)
        502721.98   3634925.90   22.19956 (19120120)   502771.98
3634925.90   26.29017 (20021724)
        502821.98   3634925.90   31.12796 (20021724)   502871.98
3634925.90   36.22541 (20021724)
        502921.98   3634925.90   43.17495 (21011719)   502971.98
3634925.90   57.10749 (21011719)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                    INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS

***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503021.98	3634925.90	69.85427	(21011719)	503071.98	3634925.90	77.34854	(21011719)
503121.98	3634925.90	75.64303	(21011719)	503171.98	3634925.90	74.49333	(20022207)
503221.98	3634925.90	87.87622	(20022207)	503271.98	3634925.90	91.66017	(20022207)
503321.98	3634925.90	98.25839	(21012023)	503371.98	3634925.90	91.15089	(21012023)
503421.98	3634925.90	104.55383	(20040823)	503471.98	3634925.90	115.02216	(21121424)
503521.98	3634925.90	121.65066	(19121706)	503571.98	3634925.90	105.81913	(19121706)
503621.98	3634925.90	99.28433	(19020322)	503671.98	3634925.90	141.32797	(20120224)
503721.98	3634925.90	214.29613	(21081004)	503771.98	3634925.90	233.55214	(20071102)
503821.98	3634925.90	277.14217	(19122420)	503871.98	3634925.90	286.36027	(20092001)
502721.98	3634975.90	27.85649	(20021724)	502771.98	3634975.90	31.81267	(20021724)
502821.98	3634975.90	37.81659	(21011719)	502871.98	3634975.90	48.68960	(21011719)
502921.98	3634975.90	58.57578	(21011719)	502971.98	3634975.90	64.82423	(21011719)
503021.98	3634975.90	64.73938	(21011719)	503071.98	3634975.90	57.19444	(20022207)
503121.98	3634975.90	69.48118	(20022207)	503171.98	3634975.90	77.07007	(20022207)
503221.98	3634975.90	77.85169	(21012023)	503271.98	3634975.90	83.43445	(21012023)
503321.98	3634975.90	77.95204	(20040823)	503371.98	3634975.90	88.87740	(20040823)
503421.98	3634975.90	97.35542	(21121424)	503471.98	3634975.90	99.51983	(19121706)
503521.98	3634975.90	99.88065	(19121706)	503571.98	3634975.90	86.90845	(19020322)
503621.98	3634975.90	97.80626	(20120224)	503671.98	3634975.90	121.95450	(20120224)
503721.98	3634975.90	212.39355	(21081004)	503771.98	3634975.90	238.53052	(20071102)
503821.98	3634975.90	240.73179	(19122420)	503871.98			

3634975.90   189.07063 (20092001)
        502721.98   3635025.90   33.46318 (21011719)   502771.98
3635025.90   42.16100 (21011719)
        502821.98   3635025.90   50.05801 (21011719)   502871.98
3635025.90   55.29662 (21011719)
        502921.98   3635025.90   56.03666 (21011719)   502971.98
3635025.90   51.27648 (21011719)
        503021.98   3635025.90   55.31291 (20022207)   503071.98
3635025.90   63.59768 (20022207)
        503121.98   3635025.90   66.99724 (20022207)   503171.98
3635025.90   69.25728 (21012023)
        503221.98   3635025.90   71.47968 (21012023)   503271.98
3635025.90   67.71768 (20040823)
        503321.98   3635025.90   76.55289 (20040823)   503371.98
3635025.90   83.33251 (21121424)
        503421.98   3635025.90   80.91474 (19121706)   503471.98
3635025.90   89.87845 (19121706)
        503521.98   3635025.90   72.76652 (19121706)   503571.98
3635025.90   74.16609 (19020322)
        503621.98   3635025.90   95.76524 (20120224)   503671.98
3635025.90   144.88191 (20120224)
        503721.98   3635025.90   215.39345 (21081004)   503771.98
3635025.90   207.99999 (20071102)
        503821.98   3635025.90   182.63851 (19122420)   504371.98
3635025.90   57.50755 (21012617)
        502721.98   3635075.90   43.41997 (21011719)   502771.98
3635075.90   47.87217 (21011719)
        502821.98   3635075.90   49.01096 (21011719)   502871.98
3635075.90   46.03077 (21011719)
        502921.98   3635075.90   44.47321 (20022207)   502971.98
3635075.90   52.36338 (20022207)
        503021.98   3635075.90   57.54306 (20022207)   503071.98
3635075.90   58.13712 (20022207)
        503121.98   3635075.90   61.71643 (21012023)   503171.98
3635075.90   61.84227 (21012023)
        503221.98   3635075.90   59.59388 (20040823)   503271.98
3635075.90   66.87293 (20040823)
        503321.98   3635075.90   71.94169 (21121424)   503371.98
3635075.90   72.01435 (21121424)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911

, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3635125.90       51.19097  (21012617)
        504471.98   3635125.90       46.97275  (21012617)                504521.98
3635125.90       39.74538  (21012617)
        504571.98   3635125.90       31.45557  (21012617)                502721.98
3635175.90       33.83002  (21011719)
        502771.98   3635175.90       35.87333  (20022207)                502821.98
3635175.90       41.32486  (20022207)
        502871.98   3635175.90       45.05563  (20022207)                502921.98
3635175.90       46.14786  (20022207)
        502971.98   3635175.90       46.84023  (21012023)                503021.98
3635175.90       49.48036  (21012023)
        503071.98   3635175.90       47.44119  (21012023)                503121.98
3635175.90       47.55593  (20040823)
        503171.98   3635175.90       52.73849  (20040823)                503221.98
3635175.90       55.05538  (21121424)
        503271.98   3635175.90       58.41305  (21121424)                503321.98
3635175.90       57.98966  (19121706)
        503371.98   3635175.90       62.51909  (19121706)                503421.98
3635175.90       54.17279  (19121706)
        503471.98   3635175.90       52.31929  (19020322)                503521.98
3635175.90       49.44075  (19020322)
        503571.98   3635175.90      121.16791  (20101023)                503621.98
3635175.90      122.93420  (19031924)
        503671.98   3635175.90      141.47672  (21081004)                503721.98
3635175.90      145.84370  (19101219)
        503771.98   3635175.90      131.84567  (19072223)                503821.98
3635175.90      126.55594  (19072224)
        504371.98   3635175.90       44.54127  (20011620)                504421.98
3635175.90       45.18167  (21012617)
        504471.98   3635175.90       45.94380  (21012617)                504521.98
3635175.90       42.79903  (21012617)
        504571.98   3635175.90       36.99304  (21012617)                504621.98
3635175.90       30.14394  (21012617)
        502721.98   3635225.90       35.06183  (20022207)                502771.98
3635225.90       39.11107  (20022207)
        502821.98   3635225.90       41.35180  (20022207)                502871.98
3635225.90       41.09890  (20022207)
        502921.98   3635225.90       43.12092  (21012023)                502971.98
3635225.90       44.52818  (21012023)
        503021.98   3635225.90       42.01613  (21012023)                503071.98
3635225.90       43.01026  (20040823)
        503121.98   3635225.90       47.46795  (20040823)                503171.98
3635225.90       48.78575  (21121424)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 697
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***

INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503221.98	3635225.90	52.77329	(21121424)	503271.98	3635225.90	49.56117	(19121706)
503321.98	3635225.90	56.37735	(19121706)	503371.98	3635225.90	53.02901	(19121706)
503421.98	3635225.90	45.50260	(19020322)	503471.98	3635225.90	47.32945	(19020322)
503521.98	3635225.90	46.09932	(20120224)	503571.98	3635225.90	112.78509	(20101023)
503621.98	3635225.90	143.58949	(19031924)	503671.98	3635225.90	139.63062	(21081004)
504371.98	3635225.90	45.59062	(20011620)	504421.98	3635225.90	39.41528	(20011620)
504471.98	3635225.90	40.60766	(21012617)	504521.98	3635225.90	41.50308	(21012617)
504571.98	3635225.90	39.13841	(21012617)	504621.98	3635225.90	34.53049	(21012617)
502721.98	3635275.90	36.61978	(20022207)	502771.98	3635275.90	37.66171	(20022207)
502821.98	3635275.90	36.53425	(20022207)	502871.98	3635275.90	39.69988	(21012023)
502921.98	3635275.90	40.17540	(21012023)	502971.98	3635275.90	37.41178	(21012023)
503021.98	3635275.90	39.08501	(20040823)	503071.98	3635275.90	42.92517	(20040823)
503121.98	3635275.90	43.41171	(21121424)	503171.98	3635275.90	47.67284	(21121424)
503221.98	3635275.90	45.72877	(21121424)	503271.98	3635275.90	50.13001	(19121706)
503321.98	3635275.90	50.36518	(19121706)	503371.98	3635275.90	41.95933	(19121706)
503421.98	3635275.90	43.05600	(19020322)	503471.98	3635275.90	41.36597	(19020322)
503521.98	3635275.90	48.06093	(20120224)	503571.98			

```
3635275.90       85.80675  (20120224)
        503621.98   3635275.90      121.50658  (19031924)                504371.98
3635275.90       42.59067  (20011620)
        504421.98   3635275.90       57.18445  (21090701)                504471.98
3635275.90       35.11135  (20011620)
        504521.98   3635275.90       36.68462  (21012617)                504571.98
3635275.90       37.68857  (21012617)
        504621.98   3635275.90       42.04654  (21012617)                504671.98
3635275.90       32.28947  (21012617)
        502721.98   3635325.90       34.24402  (20022207)                502771.98
3635325.90       34.29651  (21012023)
        502821.98   3635325.90       36.57737  (21012023)                502871.98
3635325.90       36.41213  (21012023)
        502921.98   3635325.90       33.50932  (21012023)                502971.98
3635325.90       35.80445  (20040823)
        503021.98   3635325.90       39.15179  (20040823)                503071.98
3635325.90       39.21971  (20040823)
        503121.98   3635325.90       43.26997  (21121424)                503171.98
3635325.90       42.53422  (21121424)
        503221.98   3635325.90       44.27040  (19121706)                503271.98
3635325.90       46.85549  (19121706)
        503321.98   3635325.90       42.07844  (19121706)                503371.98
3635325.90       37.86455  (19020322)
        503421.98   3635325.90       39.36726  (19020322)                503471.98
3635325.90       35.29039  (19020322)
        503521.98   3635325.90       48.45057  (20120224)                503571.98
3635325.90       55.72563  (20120224)
        503621.98   3635325.90      101.51411  (19031924)                504371.98
3635325.90       50.86537  (20011620)
        504421.98   3635325.90       51.51071  (20011620)                504471.98
3635325.90       36.75057  (20011620)
        504521.98   3635325.90       31.54620  (20011620)                504571.98
3635325.90       33.40308  (21012617)
        504621.98   3635325.90       38.94088  (21012617)                504671.98
3635325.90       44.13669  (21012617)
        504721.98   3635325.90       30.22168  (21012617)                502721.98
3635375.90       43.97822  (21012023)
        502771.98   3635375.90       55.74899  (20071201)                502821.98
3635375.90       56.02972  (21072005)
        502871.98   3635375.90       57.70540  (21110406)                502921.98
3635375.90       57.66763  (20070801)
        502971.98   3635375.90       46.69875  (20040823)                503021.98
3635375.90       62.00346  (20070802)
        503071.98   3635375.90       69.28376  (20111121)                503121.98
3635375.90       58.84627  (19091321)
        503171.98   3635375.90       46.45996  (19121706)                503221.98
3635375.90       42.98732  (19121706)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 ,
L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635375.90	41.02220	(19121706)	503321.98	3635375.90	33.31769	(19121706)
503371.98	3635375.90	36.09485	(19020322)	503421.98	3635375.90	35.10055	(19020322)
503471.98	3635375.90	35.59208	(20120224)	503521.98	3635375.90	47.66056	(20120224)
503571.98	3635375.90	51.06439	(20120224)	503621.98	3635375.90	77.19029	(21021806)
503671.98	3635375.90	108.46734	(21081004)	503721.98	3635375.90	108.24322	(19101219)
504371.98	3635375.90	48.83164	(21121422)	504421.98	3635375.90	41.39166	(20011620)
504471.98	3635375.90	35.67566	(20011620)	504521.98	3635375.90	33.30279	(20011620)
504571.98	3635375.90	28.51285	(20011620)	504621.98	3635375.90	51.55026	(21122618)
504671.98	3635375.90	48.33643	(21122618)	504721.98	3635375.90	40.70607	(21012617)
502721.98	3635425.90	47.30421	(21012023)	502771.98	3635425.90	52.44228	(21072005)
502821.98	3635425.90	56.05296	(21110406)	502871.98	3635425.90	59.62711	(20070801)
502921.98	3635425.90	56.39751	(20070802)	502971.98	3635425.90	66.91784	(20070802)
503021.98	3635425.90	67.24782	(19100620)	503071.98	3635425.90	74.40733	(19091321)
503121.98	3635425.90	57.72272	(20042421)	503171.98	3635425.90	57.87238	(20042421)
503221.98	3635425.90	39.12493	(19121706)	503271.98			

```
3635425.90       65.02850  (20110924)
        503321.98   3635425.90       59.39313  (19073101)                503371.98
3635425.90       36.39187  (19020322)
        503421.98   3635425.90       30.58739  (19020322)                503471.98
3635425.90       43.40595  (20120224)
        503521.98   3635425.90       70.27130  (20101023)                503571.98
3635425.90       77.08465  (19031924)
        503621.98   3635425.90       74.67388  (21021806)                503671.98
3635425.90       98.79638  (21081004)
        503721.98   3635425.90      103.35284  (19101219)                503771.98
3635425.90      103.48336  (20071102)
        503821.98   3635425.90       79.47819  (21061222)                504371.98
3635425.90       61.37747  (21121422)
        504421.98   3635425.90       47.71619  (21061321)                504471.98
3635425.90       53.79633  (21090701)
        504521.98   3635425.90       32.76174  (20011620)                504571.98
3635425.90       30.30140  (20011620)
        504621.98   3635425.90       59.88787  (21122618)                504671.98
3635425.90       57.17081  (21122618)
        504721.98   3635425.90       45.82102  (21122618)                502721.98
3635475.90       46.54878  (21072005)
        502771.98   3635475.90       52.27305  (21110406)                502821.98
3635475.90       55.33756  (20070801)
        502871.98   3635475.90       52.00321  (20070801)                502921.98
3635475.90       61.77413  (20070802)
        502971.98   3635475.90       63.86902  (19100620)                503021.98
3635475.90       69.00604  (19091321)
        503071.98   3635475.90       67.08721  (19091321)                503121.98
3635475.90       58.90814  (20042421)
        503171.98   3635475.90       53.06983  (19121706)                503221.98
3635475.90       57.62579  (20110924)
        503271.98   3635475.90       60.94757  (20110924)                503321.98
3635475.90       62.17045  (20091222)
        503371.98   3635475.90       56.25537  (19111601)                503421.98
3635475.90       60.88522  (20033120)
        503471.98   3635475.90       69.50177  (20101023)                503521.98
3635475.90       67.55076  (20120224)
        503571.98   3635475.90       76.75217  (19031924)                503621.98
3635475.90       70.27105  (21021806)
        503671.98   3635475.90       80.23816  (21081004)                503721.98
3635475.90       86.09957  (19101219)
        503771.98   3635475.90       97.08069  (20071102)                503821.98
3635475.90       75.28498  (21061222)
        503871.98   3635475.90       90.78588  (19122420)                503921.98
3635475.90      107.28805  (19122420)
        504371.98   3635475.90       18.53373  (20040223)                504421.98
3635475.90       23.21286  (20011620)
        504471.98   3635475.90       37.66674  (20011620)                504521.98
3635475.90       30.33071  (20011620)
        504571.98   3635475.90       42.32942  (21090701)                504621.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3632975.90       44.58462  (19081924)
        503421.98   3632975.90       44.52639  (19110606)                503471.98
3632975.90       45.81747  (19110606)
        503621.98   3632975.90       45.11151  (20050102)                503671.98
3632975.90       43.36389  (21020203)
        503721.98   3632975.90       41.28057  (21020203)                503771.98
3632975.90       35.52056  (20082921)
        503821.98   3632975.90       37.90755  (20082921)                503871.98
3632975.90       33.01222  (20110207)
        503921.98   3632975.90       28.50405  (20080919)                503971.98
3632975.90       35.43620  (20082519)
        504021.98   3632975.90       37.76571  (20022622)                504071.98
3632975.90       37.16580  (21013120)
        504121.98   3632975.90       36.73942  (21011302)                504171.98
3632975.90       32.99993  (19102905)
        504221.98   3632975.90       35.86513  (21022205)                504271.98
3632975.90       36.20158  (20022403)
        504321.98   3632975.90       33.95820  (20022403)                504371.98
3632975.90       34.71206  (21011620)
        504421.98   3632975.90       34.42015  (21013021)                504471.98
3632975.90       33.52424  (20042404)
        504521.98   3632975.90       33.68511  (21120723)                504571.98
3632975.90       32.59775  (20101423)
        504621.98   3632975.90       31.77477  (20112022)                504671.98
3632975.90       32.06102  (21011323)
        504721.98   3632975.90       31.55854  (21120804)                504771.98
3632975.90       31.09461  (21010102)
        504821.98   3632975.90       29.86345  (20011902)                504871.98
3632975.90       30.26911  (19022705)
        504921.98   3632975.90       29.96966  (21021820)                504971.98
3632975.90       28.83377  (20121007)
        505021.98   3632975.90       28.82209  (21011520)                505071.98
3632975.90       27.36431  (21010522)
        505121.98   3632975.90       26.93771  (19122301)                505171.98
3632975.90       26.46900  (20122923)
        505221.98   3632975.90       25.53579  (20122923)                502221.98
3633025.90        4.19336  (21030103)
        502271.98   3633025.90        5.44998  (21030103)                502321.98
3633025.90        6.90728  (21030103)
        502371.98   3633025.90        8.51872  (21030103)                502421.98
3633025.90       10.18197  (21030103)
        502471.98   3633025.90       11.75274  (21030103)                502521.98
3633025.90       13.06661  (21030103)
        502571.98   3633025.90       13.94624  (21030103)                502621.98
3633025.90       14.24785  (21030103)
        502671.98   3633025.90       16.66885  (20121603)                502721.98
3633025.90       19.26439  (20121603)
        502771.98   3633025.90       20.94353  (20121603)                502821.98
3633025.90       32.67788  (20121603)
        502871.98   3633025.90       31.50784  (20121603)                502921.98
```

3633025.90   37.56793 (20092124)
        502971.98   3633025.90   39.73536 (20090205)   503021.98
3633025.90   44.98941 (20090205)
        503071.98   3633025.90   41.19302 (20090205)   503121.98
3633025.90   38.18389 (20102407)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503171.98   3633025.90   40.07028 (20111701)   503221.98
3633025.90   39.12947 (20111701)
        503271.98   3633025.90   39.66098 (19081924)   503321.98
3633025.90   51.24960 (19081924)
        503371.98   3633025.90   49.13605 (19081924)   503421.98
3633025.90   45.13790 (19110606)
        503471.98   3633025.90   48.48003 (19110606)   503621.98
3633025.90   45.08348 (20050102)
        503671.98   3633025.90   43.99817 (21020203)   503721.98
3633025.90   43.93388 (21020203)
        503771.98   3633025.90   34.32454 (20082921)   503821.98
3633025.90   37.64284 (20110207)
        503871.98   3633025.90   33.91148 (20110207)   503921.98
3633025.90   30.11353 (20082519)
        503971.98   3633025.90   36.75993 (20082519)   504021.98
3633025.90   39.50188 (20022622)
        504071.98   3633025.90   39.27978 (21013120)   504121.98
3633025.90   37.24690 (21011302)
        504171.98   3633025.90   35.93382 (19102905)   504221.98
3633025.90   37.40605 (21022205)
        504271.98   3633025.90   38.72063 (20022403)   504321.98

```
3633025.90       37.17896  (21011620)
        504371.98   3633025.90       35.67228  (20052501)                504421.98
3633025.90       33.93085  (21013021)
        504471.98   3633025.90       34.83164  (21120723)                504521.98
3633025.90       33.40092  (20112701)
        504571.98   3633025.90       33.12582  (20101423)                504621.98
3633025.90       33.20562  (21022020)
        504671.98   3633025.90       33.05749  (21011323)                504721.98
3633025.90       32.73390  (21010102)
        504771.98   3633025.90       32.18182  (20011902)                504821.98
3633025.90       30.99752  (19022705)
        504871.98   3633025.90       31.19464  (21021820)                504921.98
3633025.90       30.33973  (20121007)
        504971.98   3633025.90       30.51934  (21011520)                505021.98
3633025.90       28.71558  (19121906)
        505071.98   3633025.90       28.41787  (21010522)                505121.98
3633025.90       27.60909  (19122301)
        505171.98   3633025.90       26.91823  (20122923)                505221.98
3633025.90       26.07753  (20100121)
        502221.98   3633075.90        4.53905  (19010119)                502271.98
3633075.90        4.45957  (21030103)
        502321.98   3633075.90        5.81388  (21030103)                502371.98
3633075.90        7.39331  (21030103)
        502421.98   3633075.90        9.13093  (21030103)                502471.98
3633075.90       10.90567  (21030103)
        502521.98   3633075.90       12.56216  (21030103)                502571.98
3633075.90       13.90352  (21030103)
        502621.98   3633075.90       14.73488  (21030103)                502671.98
3633075.90       15.16791  (20121603)
        502721.98   3633075.90       18.33652  (20121603)                502771.98
3633075.90       20.86619  (20121603)
        502821.98   3633075.90       31.92313  (20121603)                502871.98
3633075.90       33.90716  (20121603)
        502921.98   3633075.90       37.55713  (20092124)                502971.98
3633075.90       41.34671  (21063005)
        503021.98   3633075.90       44.36041  (20090205)                503071.98
3633075.90       42.14537  (20090205)
        503121.98   3633075.90       36.73018  (20102407)                503171.98
3633075.90       40.92369  (20082723)
        503221.98   3633075.90       40.06543  (20082723)                503271.98
3633075.90       38.12558  (19050103)
        503321.98   3633075.90       50.81158  (19081924)                503371.98
3633075.90       52.09989  (19081924)
        503421.98   3633075.90       44.52841  (19110606)                503471.98
3633075.90       50.75216  (19110606)
        503621.98   3633075.90       44.94888  (20050102)                503671.98
3633075.90       44.30305  (20050102)
        503721.98   3633075.90       43.86426  (21020203)                503771.98
3633075.90       35.01496  (20032924)
        503821.98   3633075.90       39.69930  (20110207)                503871.98
```

3633075.90   34.80981 (20110207)
        503921.98   3633075.90   32.77208 (20082519)   503971.98
3633075.90   38.98495 (19032124)
        504021.98   3633075.90   40.86921 (20022622)   504071.98
3633075.90   40.85764 (21013120)
        504121.98   3633075.90   36.92339 (21011302)   504171.98
3633075.90   38.16440 (19102905)
        504221.98   3633075.90   38.84982 (19121107)   504271.98
3633075.90   39.53445 (20022403)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504321.98   3633075.90   38.91716 (21011620)   504371.98
3633075.90   37.67063 (21013021)
        504421.98   3633075.90   36.15204 (20042404)   504471.98
3633075.90   36.75845 (21120723)
        504521.98   3633075.90   35.41125 (20101423)   504571.98
3633075.90   34.32113 (20112022)
        504621.98   3633075.90   35.09692 (21011323)   504671.98
3633075.90   33.85374 (21120804)
        504721.98   3633075.90   33.53282 (20011902)   504771.98
3633075.90   32.37544 (21022803)
        504821.98   3633075.90   32.46634 (19022705)   504871.98
3633075.90   31.47285 (20121007)
        504921.98   3633075.90   32.00819 (21011520)   504971.98
3633075.90   30.30605 (19121906)
        505021.98   3633075.90   30.05680 (21010522)   505071.98
3633075.90   29.17499 (19122301)
        505121.98   3633075.90   28.37601 (20122923)   505171.98

3633075.90 27.12996 (20100121)
505221.98 3633075.90 27.96529 (21022502) 502221.98
3633125.90 5.20965 (19010119)
502271.98 3633125.90 4.83969 (19010119) 502321.98
3633125.90 4.74429 (21030103)
502371.98 3633125.90 6.21367 (21030103) 502421.98
3633125.90 7.92764 (21030103)
502471.98 3633125.90 9.80328 (21030103) 502521.98
3633125.90 11.70702 (21030103)
502571.98 3633125.90 13.44852 (21030103) 502621.98
3633125.90 14.80570 (21030103)
502671.98 3633125.90 15.56718 (21030103) 502721.98
3633125.90 16.87929 (20121603)
502771.98 3633125.90 20.13119 (20121603) 502821.98
3633125.90 22.50329 (20121603)
502871.98 3633125.90 34.33179 (20121603) 502921.98
3633125.90 33.62925 (20121603)
502971.98 3633125.90 44.83511 (20092124) 503021.98
3633125.90 49.88332 (20092124)
503071.98 3633125.90 48.39003 (20092124) 503121.98
3633125.90 39.77832 (20061222)
503171.98 3633125.90 40.61544 (20082723) 503221.98
3633125.90 42.52149 (20082723)
503271.98 3633125.90 40.36223 (20111701) 503321.98
3633125.90 49.93924 (19081924)
503371.98 3633125.90 56.00922 (19081924) 503421.98
3633125.90 43.28325 (19110606)
503471.98 3633125.90 52.59975 (19110606) 503621.98
3633125.90 44.16580 (20050102)
503671.98 3633125.90 44.26079 (20050102) 503721.98
3633125.90 43.83842 (21020203)
503771.98 3633125.90 37.43332 (20032924) 503821.98
3633125.90 41.86950 (20110207)
503871.98 3633125.90 35.56761 (20110207) 503921.98
3633125.90 35.55738 (20082519)
503971.98 3633125.90 41.34305 (19032124) 504021.98
3633125.90 41.75625 (20022622)
504071.98 3633125.90 41.72829 (21013120) 504121.98
3633125.90 36.07218 (20081819)
504171.98 3633125.90 40.00850 (21022205) 504221.98
3633125.90 40.65554 (20022403)
504271.98 3633125.90 38.74669 (21011620) 504321.98
3633125.90 39.11820 (20052501)
504371.98 3633125.90 38.21471 (21013021) 504421.98
3633125.90 37.72797 (20042404)
504471.98 3633125.90 36.40346 (20112701) 504521.98
3633125.90 35.95003 (20112022)
504571.98 3633125.90 35.90836 (21022020) 504621.98
3633125.90 35.39963 (21120804)
504671.98 3633125.90 35.59645 (21010102) 504721.98

```
3633125.90       34.06631  (20011902)
        504771.98   3633125.90       34.45664  (19022705)                504821.98
3633125.90       33.76901  (21021820)
        504871.98   3633125.90       33.17327  (21011520)                504921.98
3633125.90       31.76928  (19121906)
        504971.98   3633125.90       31.68722  (21010522)                505021.98
3633125.90       30.80953  (19122301)
        505071.98   3633125.90       29.92287  (20122923)                505121.98
3633125.90       28.24493  (20100121)
        505171.98   3633125.90       29.21009  (21022502)                505221.98
3633125.90       28.78966  (21022502)
        502221.98   3633175.90        5.86582  (19010119)                502271.98
3633175.90        5.54688  (19010119)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 702
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FORKN    ***
                                 INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                L0000915    , L0000916    , L0000917    , L0000918    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        502321.98   3633175.90        5.15585  (19010119)                502371.98
3633175.90        5.05762  (21030103)
        502421.98   3633175.90        6.65793  (21030103)                502471.98
3633175.90        8.51998  (21030103)
        502521.98   3633175.90       10.55231  (21030103)                502571.98
3633175.90       12.59042  (21030103)
        502621.98   3633175.90       14.41481  (21030103)                502671.98
3633175.90       15.77351  (21030103)
        502721.98   3633175.90       16.42786  (21030103)                502771.98
3633175.90       26.25083  (21030103)
        502821.98   3633175.90       33.24326  (21031822)                502871.98
3633175.90       32.95140  (20121603)
        502921.98   3633175.90       35.42376  (20121603)                502971.98
```

```
3633175.90       35.43204  (20092124)
        503021.98   3633175.90       49.90228  (20092124)                503071.98
3633175.90       51.65886  (20092124)
        503121.98   3633175.90       45.09006  (20092124)                503171.98
3633175.90       35.54532  (20102407)
        503221.98   3633175.90       44.93811  (20082723)                503271.98
3633175.90       43.96776  (20111701)
        503321.98   3633175.90       46.77128  (19081924)                503371.98
3633175.90       56.92746  (19081924)
        503421.98   3633175.90       48.59317  (19081924)                503471.98
3633175.90       53.94496  (19110606)
        503621.98   3633175.90       40.90891  (20050102)                503671.98
3633175.90       45.58427  (20050102)
        503721.98   3633175.90       43.82416  (21020203)                503771.98
3633175.90       39.86162  (20032924)
        503821.98   3633175.90       44.16937  (20110207)                503871.98
3633175.90       36.23519  (20110207)
        503921.98   3633175.90       38.44060  (20082519)                503971.98
3633175.90       43.49646  (19032124)
        504021.98   3633175.90       42.07278  (20022622)                504071.98
3633175.90       43.75753  (21011302)
        504121.98   3633175.90       39.44828  (19102905)                504171.98
3633175.90       42.73788  (21022205)
        504221.98   3633175.90       44.00278  (20022403)                504271.98
3633175.90       42.57841  (21011620)
        504321.98   3633175.90       40.88154  (21013021)                504371.98
3633175.90       38.96214  (20042404)
        504421.98   3633175.90       40.31912  (21120723)                504471.98
3633175.90       38.71965  (20101423)
        504521.98   3633175.90       37.22009  (20112022)                504571.98
3633175.90       38.37532  (21011323)
        504621.98   3633175.90       37.08766  (21010102)                504671.98
3633175.90       36.81854  (20011902)
        504721.98   3633175.90       35.67096  (19022705)                504771.98
3633175.90       35.77402  (21021820)
        504821.98   3633175.90       34.30716  (20121007)                504871.98
3633175.90       33.75235  (21011520)
        504921.98   3633175.90       33.24821  (21010522)                504971.98
3633175.90       32.48206  (19122301)
        505021.98   3633175.90       31.57945  (20122923)                505071.98
3633175.90       29.44412  (20100121)
        505121.98   3633175.90       30.55403  (21022502)                505171.98
3633175.90       30.10240  (21022502)
        505221.98   3633175.90       28.29802  (19120104)                502221.98
3633225.90        6.47979  (19010119)
        502271.98   3633225.90        6.25073  (19010119)                502321.98
3633225.90        5.92264  (19010119)
        502371.98   3633225.90        5.51818  (19010119)                502421.98
3633225.90        5.40239  (21030103)
        502471.98   3633225.90        7.14421  (21030103)                502521.98
```

3633225.90   9.17661 (21030103)
        502571.98   3633225.90   11.38019 (21030103)   502621.98
3633225.90   13.56419 (21030103)
        502671.98   3633225.90   15.47115 (21030103)   502721.98
3633225.90   16.80568 (21030103)
        502771.98   3633225.90   17.33852 (21030103)   502821.98
3633225.90   29.17720 (21031822)
        502871.98   3633225.90   33.06801 (20121603)   502921.98
3633225.90   35.98802 (20121603)
        502971.98   3633225.90   34.94125 (20121603)   503021.98
3633225.90   40.23841 (20092124)
        503071.98   3633225.90   47.03920 (20092124)   503121.98
3633225.90   43.94868 (20092124)
        503171.98   3633225.90   36.30960 (20092124)   503221.98
3633225.90   43.85986 (20082723)
        503271.98   3633225.90   47.46376 (20082723)   503321.98
3633225.90   44.77238 (20111701)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                   INCLUDING SOURCE(S):   L0000910   , L0000911   , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3633225.90 41.37978 (20082519)
503971.98 3633225.90 45.34722 (19032124) 504021.98
3633225.90 45.63938 (21013120)
504071.98 3633225.90 45.20053 (21011302) 504121.98
3633225.90 43.07554 (19102905)
504171.98 3633225.90 44.05239 (19121107) 504221.98
3633225.90 45.19331 (20022403)
504271.98 3633225.90 44.06500 (21011620) 504321.98
3633225.90 42.86454 (21013021)
504371.98 3633225.90 41.65763 (20042404) 504421.98
3633225.90 39.92339 (20112701)
504471.98 3633225.90 39.57675 (20112022) 504521.98
3633225.90 39.32055 (21011323)
504571.98 3633225.90 38.90280 (21120804) 504621.98
3633225.90 38.29077 (20011902)
504671.98 3633225.90 36.91354 (21022803) 504721.98
3633225.90 37.12323 (21021820)
504771.98 3633225.90 36.38247 (20121007) 504821.98
3633225.90 36.27839 (21011520)
504871.98 3633225.90 34.67674 (21010522) 504921.98
3633225.90 34.15924 (19122301)
504971.98 3633225.90 33.33595 (20122923) 505021.98
3633225.90 30.75482 (19081501)
505071.98 3633225.90 32.02962 (21022502) 505121.98
3633225.90 31.53265 (21022502)
505171.98 3633225.90 29.51339 (19120104) 505221.98
3633225.90 30.23172 (20021702)
502221.98 3633275.90 7.00382 (19010119) 502271.98
3633275.90 6.89201 (19010119)
502321.98 3633275.90 6.67246 (19010119) 502371.98
3633275.90 6.34099 (19010119)
502421.98 3633275.90 5.90757 (19010119) 502471.98
3633275.90 5.78000 (21030103)
502521.98 3633275.90 7.68723 (21030103) 502571.98
3633275.90 9.90698 (21030103)
502621.98 3633275.90 12.30103 (21030103) 502671.98
3633275.90 14.64195 (21030103)
502721.98 3633275.90 16.62831 (21030103) 502771.98
3633275.90 17.92657 (21030103)
502821.98 3633275.90 35.86596 (21031822) 502871.98
3633275.90 33.68599 (21031822)
502921.98 3633275.90 35.04942 (20121603) 502971.98
3633275.90 36.90472 (20121603)
503021.98 3633275.90 35.59425 (20121603) 503071.98
3633275.90 42.68694 (20092124)
503121.98 3633275.90 42.38258 (20092124) 503171.98
3633275.90 39.82581 (20092124)
503221.98 3633275.90 38.94258 (20102407) 503271.98
3633275.90 51.18256 (20082723)
503321.98 3633275.90 49.60515 (20111701) 503371.98

3633275.90   53.80259 (19081924)
        503421.98   3633275.90   55.93255 (19081924)   503471.98
3633275.90   49.24723 (21020924)
        503621.98   3633275.90   40.76243 (19091221)   503671.98
3633275.90   47.66002 (20050102)
        503721.98   3633275.90   48.30613 (21020203)   503771.98
3633275.90   44.38341 (20032924)
        503821.98   3633275.90   48.91074 (20110207)   503871.98
3633275.90   37.44371 (20110207)
        503921.98   3633275.90   44.33455 (20082519)   503971.98
3633275.90   48.58389 (20022622)
        504021.98   3633275.90   48.87244 (21013120)   504071.98
3633275.90   45.51837 (21011302)
        504121.98   3633275.90   45.50019 (19102905)   504171.98
3633275.90   46.71848 (19121107)
        504221.98   3633275.90   45.08357 (21011620)   504271.98
3633275.90   44.80917 (20052501)
        504321.98   3633275.90   41.81778 (20042404)   504371.98
3633275.90   44.26567 (21120723)
        504421.98   3633275.90   42.61611 (20101423)   504471.98
3633275.90   40.86531 (21022020)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                   INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3633275.90 38.56960 (21011520)
504821.98 3633275.90 35.98813 (19121906) 504871.98
3633275.90 35.82170 (19122301)
504921.98 3633275.90 35.02399 (20122923) 504971.98
3633275.90 32.32622 (19081501)
505021.98 3633275.90 33.64114 (21022502) 505071.98
3633275.90 33.10715 (21022502)
505121.98 3633275.90 30.84387 (19120104) 505171.98
3633275.90 31.93236 (20021702)
505221.98 3633275.90 31.10858 (20020804) 502221.98
3633325.90 7.40108 (19010119)
502271.98 3633325.90 7.43550 (19010119) 502321.98
3633325.90 7.34868 (19010119)
502371.98 3633325.90 7.13297 (19010119) 502421.98
3633325.90 6.79257 (19010119)
502471.98 3633325.90 6.33625 (19010119) 502521.98
3633325.90 6.19762 (21030103)
502571.98 3633325.90 8.29012 (21030103) 502621.98
3633325.90 10.72311 (21030103)
502671.98 3633325.90 13.33052 (21030103) 502721.98
3633325.90 15.83967 (21030103)
502771.98 3633325.90 24.72419 (21030103) 502821.98
3633325.90 32.29211 (21030103)
502871.98 3633325.90 21.32657 (20121603) 502921.98
3633325.90 25.61225 (20121603)
502971.98 3633325.90 32.44935 (20121603) 503021.98
3633325.90 38.36595 (20121603)
503071.98 3633325.90 29.85151 (20121603) 503121.98
3633325.90 23.42260 (21063005)
503171.98 3633325.90 23.42278 (21063005) 503221.98
3633325.90 35.57430 (20102407)
503271.98 3633325.90 52.60700 (20082723) 503321.98
3633325.90 54.19527 (20111701)
503371.98 3633325.90 49.74314 (19081924) 503421.98
3633325.90 49.32119 (21110603)
503471.98 3633325.90 47.00744 (21020924) 503621.98
3633325.90 39.66222 (19091221)
503671.98 3633325.90 49.72336 (20050102) 503721.98
3633325.90 51.45537 (21020203)
503771.98 3633325.90 46.61313 (20032924) 503821.98
3633325.90 51.36583 (20110207)
503871.98 3633325.90 37.96326 (20110207) 503921.98
3633325.90 47.24143 (20082519)
503971.98 3633325.90 51.03060 (20022622) 504021.98
3633325.90 50.92429 (21013120)
504071.98 3633325.90 44.33325 (21011302) 504121.98
3633325.90 48.46770 (21022205)
504171.98 3633325.90 50.62927 (20022403) 504221.98
3633325.90 49.27813 (21011620)
504271.98 3633325.90 47.59894 (21013021) 504321.98

3633325.90   45.55454 (20042404)
        504371.98   3633325.90   43.62009 (21120723)   504421.98
3633325.90   43.55659 (20112022)
        504471.98   3633325.90   44.13265 (21011323)   504521.98
3633325.90   42.29411 (21010102)
        504571.98   3633325.90   42.73524 (20011902)   504621.98
3633325.90   41.62099 (19022705)
        504671.98   3633325.90   41.25709 (21021820)   504721.98
3633325.90   40.53553 (21011520)
        504771.98   3633325.90   38.43401 (19121906)   504821.98
3633325.90   37.42073 (19122301)
        504871.98   3633325.90   36.92250 (20122923)   504921.98
3633325.90   33.73808 (19081501)
        504971.98   3633325.90   35.21464 (21022502)   505021.98
3633325.90   34.72218 (21022502)
        505071.98   3633325.90   32.33004 (20100521)   505121.98
3633325.90   33.75845 (20021702)
        505171.98   3633325.90   32.88171 (20020804)   505221.98
3633325.90   31.09389 (20011323)
        502221.98   3633375.90   8.45352 (21111004)   502271.98
3633375.90   7.82727 (19010119)
        502321.98   3633375.90   7.89948 (19010119)   502371.98
3633375.90   7.83751 (19010119)
        502421.98   3633375.90   7.63524 (19010119)   502471.98
3633375.90   7.29100 (19010119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911   , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3633375.90 6.66068 (21030103)
502621.98 3633375.90 8.96415 (21030103) 502671.98
3633375.90 11.63979 (21030103)
502721.98 3633375.90 14.48527 (21030103) 502771.98
3633375.90 17.17473 (21030103)
502821.98 3633375.90 19.29461 (21030103) 502871.98
3633375.90 20.42973 (21030103)
502921.98 3633375.90 24.01463 (20121603) 502971.98
3633375.90 28.28766 (20121603)
503021.98 3633375.90 30.50950 (20121603) 503071.98
3633375.90 29.92726 (20121603)
503121.98 3633375.90 26.47401 (20121603) 503171.98
3633375.90 25.11388 (21063005)
503221.98 3633375.90 29.20347 (21063005) 503271.98
3633375.90 39.79491 (20102407)
503321.98 3633375.90 52.51240 (20082723) 503371.98
3633375.90 56.97488 (20111701)
503421.98 3633375.90 47.17602 (21110603) 503471.98
3633375.90 52.81674 (21020924)
503621.98 3633375.90 41.68459 (19091221) 503671.98
3633375.90 51.89350 (20050102)
503721.98 3633375.90 53.98885 (21020203) 503771.98
3633375.90 48.76165 (20032924)
503821.98 3633375.90 53.16460 (20110207) 503871.98
3633375.90 39.80545 (20080919)
503921.98 3633375.90 49.15035 (20082519) 503971.98
3633375.90 52.84944 (20022622)
504021.98 3633375.90 51.93781 (21013120) 504071.98
3633375.90 47.56555 (19102905)
504121.98 3633375.90 50.65920 (21022205) 504171.98
3633375.90 52.25608 (20022403)
504221.98 3633375.90 50.16509 (21011620) 504271.98
3633375.90 47.78423 (21013021)
504321.98 3633375.90 48.23386 (21120723) 504371.98
3633375.90 45.88742 (20101423)
504421.98 3633375.90 45.38613 (21022020) 504471.98
3633375.90 45.44527 (21011323)
504521.98 3633375.90 44.98750 (21010102) 504571.98
3633375.90 42.65425 (21022803)
504621.98 3633375.90 43.70165 (21021820) 504671.98
3633375.90 41.75161 (21011520)
504721.98 3633375.90 40.68096 (19121906) 504771.98
3633375.90 40.12954 (21010522)
504821.98 3633375.90 39.01792 (20122923) 504871.98
3633375.90 35.51855 (19081501)
504921.98 3633375.90 36.77001 (21022502) 504971.98
3633375.90 36.20565 (21022502)
505021.98 3633375.90 34.06058 (21010602) 505071.98
3633375.90 35.52744 (20021702)
505121.98 3633375.90 34.70517 (20020804) 505171.98

3633375.90   32.77814 (20011323)
        505221.98   3633375.90   32.79931 (21012402)   502221.98
3633425.90   9.79004 (21111004)
        502271.98   3633425.90   9.25951 (21111004)   502321.98
3633425.90   8.57317 (21111004)
        502371.98   3633425.90   8.38298 (19010119)   502421.98
3633425.90   8.36444 (19010119)
        502471.98   3633425.90   8.19644 (19010119)   502521.98
3633425.90   7.84984 (19010119)
        502571.98   3633425.90   7.35155 (19010119)   502621.98
3633425.90   7.17608 (21030103)
        502671.98   3633425.90   9.72201 (21030103)   502721.98
3633425.90   12.67610 (21030103)
        502771.98   3633425.90   15.79151 (21030103)   502821.98
3633425.90   18.67677 (21030103)
        502871.98   3633425.90   20.84078 (21030103)   502921.98
3633425.90   21.80471 (21030103)
        502971.98   3633425.90   27.01393 (20121603)   503021.98
3633425.90   31.12310 (20121603)
        503071.98   3633425.90   32.56217 (20121603)   503121.98
3633425.90   30.71622 (20121603)
        503171.98   3633425.90   26.27099 (21063005)   503221.98
3633425.90   26.40928 (21063005)
        503271.98   3633425.90   34.43751 (20102407)   503321.98
3633425.90   55.14307 (20082723)
        503371.98   3633425.90   64.85322 (20111701)   503421.98
3633425.90   48.36379 (21110603)
        503471.98   3633425.90   55.59254 (21020924)   503621.98
3633425.90   51.17485 (19101521)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)

Y-COORD (M)		CONC	(YYMMDDHH)		
503671.98	3633425.90	54.17878	(20050102)	503721.98	3633425.90	56.35064	(21020203)
503771.98	3633425.90	50.72534	(20032924)	503821.98	3633425.90	55.39593	(20110207)
503871.98	3633425.90	45.28102	(20081802)	503921.98	3633425.90	51.65672	(19032124)
503971.98	3633425.90	54.22550	(20022622)	504021.98	3633425.90	54.44818	(21011302)
504071.98	3633425.90	52.02038	(19102905)	504121.98	3633425.90	53.10257	(19121107)
504171.98	3633425.90	52.52361	(21011620)	504221.98	3633425.90	51.82603	(21013021)
504271.98	3633425.90	49.28176	(20042404)	504321.98	3633425.90	48.10754	(21120723)
504371.98	3633425.90	47.04943	(20112022)	504421.98	3633425.90	48.77819	(21011323)
504471.98	3633425.90	47.97201	(21010102)	504521.98	3633425.90	46.38387	(20011902)
504571.98	3633425.90	46.10349	(19022705)	504621.98	3633425.90	44.48155	(20121007)
504671.98	3633425.90	43.43723	(21011520)	504721.98	3633425.90	42.43826	(21010522)
504771.98	3633425.90	40.80196	(20122923)	504821.98	3633425.90	37.97905	(19081501)
504871.98	3633425.90	38.63908	(21022502)	504921.98	3633425.90	37.99122	(21022502)
504971.98	3633425.90	35.76087	(21010602)	505021.98	3633425.90	37.47883	(20021702)
505071.98	3633425.90	36.53086	(20020804)	505121.98	3633425.90	34.40630	(20011323)
505171.98	3633425.90	34.34116	(21012402)	505221.98	3633425.90	32.53809	(20121620)
502221.98	3633475.90	10.94938	(21111004)	502271.98	3633475.90	10.64648	(21111004)
502321.98	3633475.90	10.14929	(21111004)	502371.98	3633475.90	9.46911	(21111004)
502421.98	3633475.90	8.92697	(19010119)	502471.98	3633475.90	8.96859	(19010119)
502521.98	3633475.90	8.80798	(19010119)	502571.98	3633475.90	8.46704	(19010119)
502621.98	3633475.90	7.94961	(19010119)	502671.98	3633475.90	7.75321	(21030103)
504771.98	3633475.90	39.99258	(20122923)	504821.98	3633475.90	40.64968	(21022502)
504871.98	3633475.90	39.92615	(21022502)	504921.98	3633475.90	37.24492	(20100521)
504971.98	3633475.90	39.04624	(20021702)	505021.98			

3633475.90   38.15528 (20020804)
        505071.98   3633475.90   36.30131 (21012402)   505121.98
3633475.90   35.62310 (21012402)
        505171.98   3633475.90   34.75884 (20022406)   505221.98
3633475.90   33.65340 (20022406)
        502221.98   3633525.90   11.80427 (21111004)   502271.98
3633525.90   11.80157 (21111004)
        502321.98   3633525.90   11.58069 (21111004)   502371.98
3633525.90   11.14652 (21111004)
        502421.98   3633525.90   10.48804 (21111004)   502471.98
3633525.90   9.62246 (21111004)
        502521.98   3633525.90   9.60519 (19010119)   502571.98
3633525.90   9.46876 (19010119)
        502621.98   3633525.90   9.14716 (19010119)   502671.98
3633525.90   8.61393 (19010119)
        504771.98   3633525.90   43.09034 (21022502)   504821.98
3633525.90   42.35322 (21022502)
        504871.98   3633525.90   39.55436 (20100521)   504921.98
3633525.90   40.84183 (20021702)
        504971.98   3633525.90   39.03508 (20020804)   505021.98
3633525.90   38.43482 (21012402)
        505071.98   3633525.90   37.14070 (20121620)   505121.98
3633525.90   37.35308 (20022406)
        505171.98   3633525.90   34.92959 (19010903)   505221.98
3633525.90   33.74045 (21121121)
        502221.98   3633575.90   12.24041 (21111004)   502271.98
3633575.90   12.56086 (21111004)
        502321.98   3633575.90   12.68999 (21111004)   502371.98
3633575.90   12.59758 (21111004)
        502421.98   3633575.90   12.23570 (21111004)   502471.98
3633575.90   11.60144 (21111004)
        502521.98   3633575.90   10.71749 (21111004)   502571.98
3633575.90   10.29101 (19010119)

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633575.90	10.22489	(19010119)	502671.98	3633575.90	9.91652	(19010119)
504771.98	3633575.90	44.99600	(21022502)	504821.98	3633575.90	42.42470	(20021702)
504871.98	3633575.90	42.99927	(20021702)	504921.98	3633575.90	40.81129	(21010922)
504971.98	3633575.90	40.60234	(21012402)	505021.98	3633575.90	38.76421	(20121620)
505071.98	3633575.90	38.88902	(20022406)	505121.98	3633575.90	36.72369	(19010903)
505171.98	3633575.90	35.68741	(21121121)	505221.98	3633575.90	34.71402	(21120121)
502221.98	3633625.90	12.14100	(21111004)	502271.98	3633625.90	12.80150	(21111004)
502321.98	3633625.90	13.32885	(21111004)	502371.98	3633625.90	13.63420	(21111004)
502421.98	3633625.90	13.68147	(21111004)	502471.98	3633625.90	13.40957	(21111004)
502521.98	3633625.90	12.85539	(21111004)	502571.98	3633625.90	11.98713	(21111004)
502621.98	3633625.90	11.08709	(19010119)	502671.98	3633625.90	11.07956	(19010119)
504771.98	3633625.90	45.97540	(20021702)	504821.98	3633625.90	45.58703	(20020804)
504871.98	3633625.90	43.56445	(21010922)	504921.98	3633625.90	43.01461	(21012402)
504971.98	3633625.90	41.14789	(20111118)	505021.98	3633625.90	39.89846	(20111118)
505071.98	3633625.90	38.01859	(21121121)	505121.98	3633625.90	37.47191	(21120121)
505171.98	3633625.90	35.86274	(21021801)	505221.98	3633625.90	34.37552	(21011022)
502221.98	3633675.90	11.50898	(21111004)	502271.98	3633675.90	12.46209	(21111004)
502321.98	3633675.90	13.35437	(21111004)	502371.98	3633675.90	14.07211	(21111004)
502421.98	3633675.90	14.59309	(21111004)	502471.98	3633675.90	14.81280	(21111004)
502521.98	3633675.90	14.71247	(21111004)	502571.98	3633675.90	14.24671	(21111004)
502621.98	3633675.90	13.41670	(21111004)	502671.98	3633675.90	12.24748	(21111004)
504771.98	3633675.90	49.09914	(20020804)	504821.98			

3633675.90   46.27935 (21010922)
        504871.98   3633675.90   45.24829 (20081803)   504921.98
3633675.90   45.77877 (20111118)
        504971.98   3633675.90   43.04736 (20111118)   505021.98
3633675.90   42.91991 (21011418)
        505071.98   3633675.90   39.63933 (21120121)   505121.98
3633675.90   38.26908 (21021801)
        505171.98   3633675.90   37.15809 (21011022)   505221.98
3633675.90   35.62470 (20021024)
        502221.98   3633725.90   10.39010 (21111004)   502271.98
3633725.90   11.55589 (21111004)
        502321.98   3633725.90   12.74666 (21111004)   502371.98
3633725.90   13.84874 (21111004)
        502421.98   3633725.90   14.81022 (21111004)   502471.98
3633725.90   15.55463 (21111004)
        502521.98   3633725.90   16.00970 (21111004)   502571.98
3633725.90   16.10518 (21111004)
        502621.98   3633725.90   15.78984 (21111004)   502671.98
3633725.90   15.03549 (21111004)
        504771.98   3633725.90   53.42791 (20081803)   504821.98
3633725.90   49.15149 (20111118)
        504871.98   3633725.90   50.54133 (20111118)   504921.98
3633725.90   47.37590 (20082222)
        504971.98   3633725.90   48.19809 (21011418)   505021.98
3633725.90   44.53357 (21011418)
        505071.98   3633725.90   40.01691 (21011022)   505121.98
3633725.90   38.85530 (20021024)
        505171.98   3633725.90   38.90328 (21122302)   505221.98
3633725.90   37.37412 (21122302)
        502221.98   3633775.90   8.92259 (21111004)   502271.98
3633775.90   10.18167 (21111004)
        502321.98   3633775.90   11.56225 (21111004)   502371.98
3633775.90   12.92717 (21111004)
        502421.98   3633775.90   14.26568 (21111004)   502471.98
3633775.90   15.47076 (21111004)
        502521.98   3633775.90   16.50086 (21111004)   502571.98
3633775.90   17.24052 (21111004)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633775.90	17.59038	(21111004)	502671.98	3633775.90	17.48199	(21111004)
504771.98	3633775.90	59.16110	(20111118)	504821.98	3633775.90	56.74543	(20111118)
504871.98	3633775.90	53.68646	(21011418)	504921.98	3633775.90	51.80626	(21011418)
504971.98	3633775.90	46.40127	(21011418)	505021.98	3633775.90	42.35384	(21011022)
505071.98	3633775.90	41.29352	(21122302)	505121.98	3633775.90	41.70125	(21122302)
505171.98	3633775.90	39.19028	(21011724)	505221.98	3633775.90	38.90518	(21010408)
502221.98	3633825.90	12.08432	(21012320)	502271.98	3633825.90	11.03951	(21012320)
502321.98	3633825.90	9.97021	(21012320)	502371.98	3633825.90	11.40131	(21111004)
502421.98	3633825.90	12.95922	(21111004)	502471.98	3633825.90	14.52451	(21111004)
502521.98	3633825.90	16.03645	(21111004)	502571.98	3633825.90	17.39412	(21111004)
502621.98	3633825.90	18.47980	(21111004)	502671.98	3633825.90	19.16335	(21111004)
504771.98	3633825.90	62.63995	(20082222)	504821.98	3633825.90	62.30111	(21011418)
504871.98	3633825.90	54.08802	(21011418)	504921.98	3633825.90	46.98066	(21011022)
504971.98	3633825.90	45.22370	(20021024)	505021.98	3633825.90	45.39813	(21122302)
505071.98	3633825.90	42.90630	(21011724)	505121.98	3633825.90	42.96355	(21010408)
505171.98	3633825.90	40.14466	(21011720)	505221.98	3633825.90	37.89679	(21011720)
502221.98	3633875.90	15.51179	(21012320)	502271.98	3633875.90	14.70918	(21012320)
502321.98	3633875.90	13.81565	(21012320)	502371.98	3633875.90	12.68203	(21012320)
502421.98	3633875.90	11.43660	(21012320)	502471.98	3633875.90	12.80341	(21111004)
502521.98	3633875.90	14.63232	(21111004)	502571.98			

3633875.90   16.46577 (21111004)
        502621.98   3633875.90   18.19215 (21111004)   502671.98
3633875.90   19.67623 (21111004)
        504771.98   3633875.90   69.67217 (21011418)   504821.98
3633875.90   58.87562 (21011418)
        504871.98   3633875.90   49.50973 (20021024)   504921.98
3633875.90   49.97235 (21122302)
        504971.98   3633875.90   47.20614 (21011724)   505021.98
3633875.90   46.93006 (21010408)
        505071.98   3633875.90   43.98736 (21011720)   505121.98
3633875.90   41.87872 (21011720)
        505171.98   3633875.90   40.41072 (20121406)   505221.98
3633875.90   39.92071 (20121406)
        502221.98   3633925.90   18.53244 (21012320)   502271.98
3633925.90   18.22383 (21012320)
        502321.98   3633925.90   17.72496 (21012320)   502371.98
3633925.90   16.91140 (21012320)
        502421.98   3633925.90   15.93371 (21012320)   502471.98
3633925.90   14.66676 (21012320)
        502521.98   3633925.90   13.23009 (21012320)   502571.98
3633925.90   14.54354 (21111004)
        502621.98   3633925.90   16.69168 (21111004)   502671.98
3633925.90   18.81274 (21111004)
        504771.98   3633925.90   60.57029 (21011418)   504821.98
3633925.90   54.49866 (21122302)
        504871.98   3633925.90   52.57910 (21122302)   504921.98
3633925.90   51.42972 (21010408)
        504971.98   3633925.90   49.13854 (21010408)   505021.98
3633925.90   46.34881 (21011720)
        505071.98   3633925.90   45.05345 (20121406)   505121.98
3633925.90   43.97568 (20121406)
        505171.98   3633925.90   40.74529 (20021305)   505221.98
3633925.90   40.13972 (20021723)
        502221.98   3633975.90   20.53228 (21012320)   502271.98
3633975.90   20.79236 (21012320)
        502321.98   3633975.90   20.93390 (21012320)   502371.98
3633975.90   20.82603 (21012320)
        502421.98   3633975.90   20.39701 (21012320)   502471.98
3633975.90   19.62713 (21012320)
        502521.98   3633975.90   18.55012 (21012320)   502571.98
3633975.90   17.14385 (21012320)

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: FORKN   ***
                                INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3633975.90   15.47271 (21012320)   502671.98
3633975.90   16.65149 (21111004)
        504771.98   3633975.90   60.43596 (21122302)   504821.98
3633975.90   56.67275 (21010408)
        504871.98   3633975.90   54.27729 (21010408)   504921.98
3633975.90   51.06141 (21011720)
        504971.98   3633975.90   50.47480 (20121406)   505021.98
3633975.90   48.66108 (20121406)
        505071.98   3633975.90   45.19141 (20021305)   505121.98
3633975.90   44.50934 (20021723)
        505171.98   3633975.90   43.33188 (19011606)   505221.98
3633975.90   40.82560 (19011606)
        502221.98   3634025.90   20.98437 (21012320)   502271.98
3634025.90   21.88513 (21012320)
        502321.98   3634025.90   22.74977 (21012320)   502371.98
3634025.90   23.44518 (21012320)
        502421.98   3634025.90   23.84265 (21012320)   502471.98
3634025.90   23.91598 (21012320)
        502521.98   3634025.90   23.62395 (21012320)   502571.98
3634025.90   22.92664 (21012320)
        502621.98   3634025.90   21.80875 (21012320)   502671.98
3634025.90   20.23748 (21012320)
        504771.98   3634025.90   61.48625 (21010408)   504821.98
3634025.90   57.82644 (21011221)
        504871.98   3634025.90   55.81083 (20121406)   504921.98
3634025.90   52.88660 (20121406)
        504971.98   3634025.90   51.31596 (20021723)   505021.98
3634025.90   49.58473 (19011606)
        505071.98   3634025.90   48.68132 (19011606)   505121.98
3634025.90   44.43145 (20012223)
        505171.98   3634025.90   42.79826 (19121305)   505221.98
3634025.90   41.69095 (19121305)
        502221.98   3634075.90   19.64885 (21012320)   502271.98
3634075.90   21.11664 (21012320)
        502321.98   3634075.90   22.60329 (21012320)   502371.98

```
3634075.90       24.00543  (21012320)
        502421.98   3634075.90       25.25348  (21012320)                502471.98
3634075.90       26.33040  (21012320)
        502521.98   3634075.90       27.15447  (21012320)                502571.98
3634075.90       27.64451  (21012320)
        502621.98   3634075.90       27.61447  (21012320)                502671.98
3634075.90       27.08927  (21012320)
        504771.98   3634075.90       63.31848  (20121406)                504821.98
3634075.90       58.61962  (20021305)
        504871.98   3634075.90       57.45217  (20021723)                504921.98
3634075.90       56.23139  (19011606)
        504971.98   3634075.90       53.12186  (19011606)                505021.98
3634075.90       49.53910  (20012223)
        505071.98   3634075.90       47.96310  (21022322)                505121.98
3634075.90       44.56228  (21010422)
        505171.98   3634075.90       42.43675  (19011923)                505221.98
3634075.90       41.75711  (19011923)
        502221.98   3634125.90       16.83037  (21012320)                502271.98
3634125.90       18.63290  (21012320)
        502321.98   3634125.90       20.46056  (21012320)                502371.98
3634125.90       22.41029  (21012320)
        502421.98   3634125.90       24.33915  (21012320)                502471.98
3634125.90       26.24283  (21012320)
        502521.98   3634125.90       28.04502  (21012320)                502571.98
3634125.90       29.67523  (21012320)
        502621.98   3634125.90       31.15899  (21012320)                502671.98
3634125.90       32.18961  (21012320)
        504771.98   3634125.90       65.13362  (20021723)                504821.98
3634125.90       63.04730  (19011606)
        504871.98   3634125.90       58.09335  (20012223)                504921.98
3634125.90       56.36533  (21022322)
        504971.98   3634125.90       52.16345  (21010422)                505021.98
3634125.90       50.02785  (19011923)
        505071.98   3634125.90       48.56093  (19011923)                505121.98
3634125.90       45.31081  (19012803)
        505171.98   3634125.90       43.32901  (19012803)                505221.98
3634125.90       42.08086  (21121821)
        502221.98   3634175.90       13.90560  (19083104)                502271.98
3634175.90       14.83667  (21012320)
        502321.98   3634175.90       16.67286  (21012320)                502371.98
3634175.90       18.95194  (21012320)
        502421.98   3634175.90       21.16275  (21012320)                502471.98
3634175.90       23.51577  (21012320)
        502521.98   3634175.90       25.95449  (21012320)                502571.98
3634175.90       28.48716  (21012320)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 ,
L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634175.90	31.00979	(21012320)	502671.98	3634175.90	33.49931	(21012320)
504771.98	3634175.90	66.92552	(21022322)	504821.98	3634175.90	62.63855	(21022322)
504871.98	3634175.90	59.19995	(19011923)	504921.98	3634175.90	57.38503	(19011923)
504971.98	3634175.90	53.95707	(19012803)	505021.98	3634175.90	50.55481	(21121821)
505071.98	3634175.90	48.85663	(21121821)	505121.98	3634175.90	45.95488	(20121224)
505171.98	3634175.90	44.17284	(20121224)	505221.98	3634175.90	42.52003	(20020703)
502221.98	3634225.90	16.50477	(19083104)	502271.98	3634225.90	16.80849	(19083104)
502321.98	3634225.90	17.14850	(19083104)	502371.98	3634225.90	17.43117	(19083104)
502421.98	3634225.90	17.57290	(19083104)	502471.98	3634225.90	18.80155	(21012320)
502521.98	3634225.90	21.34146	(21012320)	502571.98	3634225.90	24.19025	(21012320)
502621.98	3634225.90	27.26020	(21012320)	502671.98	3634225.90	30.57540	(21012320)
504771.98	3634225.90	69.13684	(19011923)	504821.98	3634225.90	64.88762	(19012803)
504871.98	3634225.90	61.20846	(21121821)	504921.98	3634225.90	57.23107	(21121821)
504971.98	3634225.90	54.59644	(20121224)	505021.98	3634225.90	51.24532	(20020703)
505071.98	3634225.90	49.02380	(20020703)	505121.98	3634225.90	45.30996	(21022324)
505171.98	3634225.90	43.46271	(21022324)	505221.98			

```
3634225.90       40.38937  (20122520)
        502221.98   3634275.90       17.98858  (19083104)                502271.98
3634275.90       18.66078  (19083104)
        502321.98   3634275.90       19.38599  (19083104)                502371.98
3634275.90       20.15689  (19083104)
        502421.98   3634275.90       20.80021  (19083104)                502471.98
3634275.90       21.38824  (19083104)
        502521.98   3634275.90       21.91989  (19083104)                502571.98
3634275.90       22.36343  (19083104)
        502621.98   3634275.90       22.72106  (19083104)                502671.98
3634275.90       24.26870  (21012320)
        504771.98   3634275.90       70.15349  (20121224)                504821.98
3634275.90       65.21251  (20020703)
        504871.98   3634275.90       61.83899  (20020703)                504921.98
3634275.90       57.12768  (21022324)
        504971.98   3634275.90       52.98761  (21022324)                505021.98
3634275.90       51.49616  (20122520)
        505071.98   3634275.90       48.77999  (21122121)                505121.98
3634275.90       47.52074  (21122121)
        505171.98   3634275.90       45.64191  (21122121)                505221.98
3634275.90       43.85076  (20121803)
        502221.98   3634325.90       17.96850  (19083104)                502271.98
3634325.90       18.93851  (19083104)
        502321.98   3634325.90       19.93989  (19083104)                502371.98
3634325.90       20.98549  (19083104)
        502421.98   3634325.90       22.06229  (19083104)                502471.98
3634325.90       23.15623  (19083104)
        502521.98   3634325.90       24.28382  (19083104)                502571.98
3634325.90       25.41690  (19083104)
        502621.98   3634325.90       26.54166  (19083104)                502671.98
3634325.90       27.66331  (19083104)
        504771.98   3634325.90       67.92378  (20122520)                504821.98
3634325.90       65.07832  (21122121)
        504871.98   3634325.90       63.05739  (21122121)                504921.98
3634325.90       59.08585  (21122121)
        504971.98   3634325.90       56.65636  (20121803)                505021.98
3634325.90       54.67665  (20121803)
        505071.98   3634325.90       51.22984  (20121803)                505121.98
3634325.90       47.74622  (21122201)
        505171.98   3634325.90       45.64370  (21122201)                505221.98
3634325.90       43.22031  (21122201)
        502221.98   3634375.90       16.42727  (19083104)                502271.98
3634375.90       17.49561  (19083104)
        502321.98   3634375.90       18.59396  (19083104)                502371.98
3634375.90       19.78134  (19083104)
        502421.98   3634375.90       21.14829  (19083104)                502471.98
3634375.90       22.61484  (19083104)
        502521.98   3634375.90       24.20759  (19083104)                502571.98
3634375.90       25.84603  (19083104)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3634375.90   27.50889 (19083104)   502671.98
3634375.90   29.19175 (19083104)
        504771.98   3634375.90   73.81785 (20121803)   504821.98
3634375.90   66.98237 (21122201)
        504871.98   3634375.90   62.49204 (21122201)   504921.98
3634375.90   57.72749 (19021906)
        504971.98   3634375.90   55.05367 (19021906)   505021.98
3634375.90   52.10852 (19021906)
        505071.98   3634375.90   48.83123 (20022423)   505121.98
3634375.90   45.75792 (20031603)
        505171.98   3634375.90   44.04815 (20013123)   505221.98
3634375.90   43.08722 (20013123)
        502221.98   3634425.90   13.73322 (19083104)   502271.98
3634425.90   14.72200 (19083104)
        502321.98   3634425.90   15.79094 (19083104)   502371.98
3634425.90   16.96298 (19083104)
        502421.98   3634425.90   18.25714 (19083104)   502471.98
3634425.90   19.66474 (19083104)
        502521.98   3634425.90   21.23532 (19083104)   502571.98
3634425.90   22.95783 (19083104)
        502621.98   3634425.90   24.86568 (19083104)   502671.98
3634425.90   26.96783 (19083104)
        504771.98   3634425.90   70.84092 (20013123)   504821.98
3634425.90   67.02933 (20013123)
        504871.98   3634425.90   62.95443 (20013123)   504921.98
3634425.90   60.52383 (20013123)
        504971.98   3634425.90   56.01558 (20013123)   505021.98

3634425.90 52.35664 (20013123)
505071.98 3634425.90 49.38506 (20013123) 505121.98
3634425.90 46.60345 (20013123)
505171.98 3634425.90 43.21901 (21121920) 505221.98
3634425.90 41.73530 (21013019)
502221.98 3634475.90 14.24182 (20022619) 502271.98
3634475.90 14.90523 (20022619)
502321.98 3634475.90 15.61178 (20022619) 502371.98
3634475.90 16.37351 (20022619)
502421.98 3634475.90 17.19492 (20022619) 502471.98
3634475.90 18.07422 (20022619)
502521.98 3634475.90 19.05739 (20022619) 502571.98
3634475.90 20.11200 (20022619)
502621.98 3634475.90 21.26056 (20022619) 502671.98
3634475.90 22.52159 (20022619)
504771.98 3634475.90 72.18335 (21013019) 504821.98
3634475.90 66.91128 (21013019)
504871.98 3634475.90 60.65825 (21013019) 504921.98
3634475.90 62.19439 (20092120)
504971.98 3634475.90 57.71674 (20092120) 505021.98
3634475.90 54.89330 (20092120)
505071.98 3634475.90 53.51115 (20092120) 505121.98
3634475.90 50.40771 (20092120)
505171.98 3634475.90 46.81138 (19122101) 505221.98
3634475.90 44.41206 (19122101)
502221.98 3634525.90 18.85001 (21021102) 502271.98
3634525.90 19.76686 (21021102)
502321.98 3634525.90 20.76220 (21021102) 502371.98
3634525.90 21.84552 (21021102)
502421.98 3634525.90 23.01625 (21021102) 502471.98
3634525.90 24.29719 (21021102)
502521.98 3634525.90 25.69422 (21021102) 502571.98
3634525.90 27.23966 (21021102)
502621.98 3634525.90 28.93892 (21021102) 502671.98
3634525.90 30.84904 (21021102)
504771.98 3634525.90 73.17260 (21021007) 504821.98
3634525.90 68.79556 (21021007)
504871.98 3634525.90 64.43975 (21021007) 504921.98
3634525.90 70.03891 (20082306)
504971.98 3634525.90 70.15842 (21021007) 505021.98
3634525.90 65.24037 (21021007)
505071.98 3634525.90 60.92597 (21021007) 505121.98
3634525.90 55.23227 (21021007)
505171.98 3634525.90 50.18112 (21021007) 505221.98
3634525.90 46.36146 (21021007)
502221.98 3634575.90 22.40379 (21021102) 502271.98
3634575.90 23.49683 (21021102)
502321.98 3634575.90 24.70922 (21021102) 502371.98
3634575.90 26.03647 (21021102)
502421.98 3634575.90 27.48475 (21021102) 502471.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                          *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN ***
                          INCLUDING SOURCE(S): L0000910 , L0000911
, L0000912 , L0000913 , L0000914 ,
            L0000915 , L0000916 , L0000917 , L0000918 ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10 IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)
 - - -

3634625.90 84.63202 (21013119)
504871.98 3634625.90 80.54427 (21013119) 504921.98
3634625.90 76.74077 (21013119)
504971.98 3634625.90 71.80916 (21013119) 505021.98
3634625.90 64.61445 (21013119)
505071.98 3634625.90 57.18997 (21013119) 505121.98
3634625.90 52.24747 (21013119)
505171.98 3634625.90 44.93742 (21013119) 505221.98
3634625.90 42.75825 (20011720)
502221.98 3634675.90 22.13194 (21021102) 502271.98
3634675.90 22.95867 (21021102)
502321.98 3634675.90 23.80332 (21021102) 502371.98
3634675.90 24.66942 (21021102)
502421.98 3634675.90 25.58176 (21021102) 502471.98
3634675.90 26.52646 (21021102)
502521.98 3634675.90 27.50075 (21021102) 502571.98
3634675.90 28.51117 (21021102)
502621.98 3634675.90 29.54167 (21021102) 502671.98
3634675.90 30.57182 (21021102)
504771.98 3634675.90 64.05637 (21090306) 504821.98
3634675.90 60.76392 (21090306)
504871.98 3634675.90 77.50587 (20041201) 504921.98
3634675.90 75.07126 (20041201)
504971.98 3634675.90 73.66355 (20041201) 505021.98
3634675.90 71.13338 (20041201)
505071.98 3634675.90 64.40277 (20041201) 505121.98
3634675.90 60.03754 (20041201)
505171.98 3634675.90 52.29631 (20041201) 505221.98
3634675.90 46.62169 (20041201)
502221.98 3634725.90 18.46247 (21021102) 502271.98
3634725.90 18.86716 (21021102)
502321.98 3634725.90 19.23011 (21021102) 502371.98
3634725.90 19.59655 (21021102)
502421.98 3634725.90 19.96431 (21021102) 502471.98
3634725.90 20.46782 (19101801)
502521.98 3634725.90 21.57043 (19101801) 502571.98
3634725.90 23.11839 (19050903)
502621.98 3634725.90 25.62163 (19050903) 502671.98
3634725.90 28.40600 (19050903)
504771.98 3634725.90 73.23707 (21012820) 504821.98
3634725.90 70.11982 (21012820)
504871.98 3634725.90 60.07264 (21032601) 504921.98
3634725.90 63.40947 (20081806)
504971.98 3634725.90 59.20956 (20081806) 505021.98
3634725.90 54.61376 (20041201)
505071.98 3634725.90 52.07213 (20041201) 505121.98
3634725.90 50.25946 (20041201)
505171.98 3634725.90 44.99330 (20041201) 505221.98
3634725.90 43.38775 (20041201)
502221.98 3634775.90 15.91611 (19101801) 502271.98

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 ,
  L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634775.90	30.10630	(19050903)	502671.98	3634775.90	32.51747	(19050903)
504771.98	3634775.90	79.76045	(21012820)	504821.98	3634775.90	90.26181	(21012820)
504871.98	3634775.90	83.45862	(21012820)	504921.98	3634775.90	70.67544	(20081806)
504971.98	3634775.90	68.33455	(20081806)	505021.98	3634775.90	60.89220	(20081806)
505071.98	3634775.90	56.35863	(20081806)	505121.98	3634775.90	51.39538	(20081806)
505171.98	3634775.90	42.65082	(20081806)	505221.98	3634775.90	37.33011	(20081806)
502221.98	3634825.90	18.50585	(19050903)	502271.98	3634825.90	19.88402	(19050903)
502321.98	3634825.90	21.32044	(19050903)	502371.98	3634825.90	22.82004	(19050903)
502421.98	3634825.90	24.34866	(19050903)	502471.98	3634825.90	25.88997	(19050903)
502521.98	3634825.90	27.52215	(19050903)	502571.98			

3634825.90 29.06896 (19050903)
502621.98 3634825.90 30.52949 (19050903) 502671.98
3634825.90 31.85179 (19050903)
504771.98 3634825.90 82.73698 (20082303) 504821.98
3634825.90 91.62340 (20081401)
504871.98 3634825.90 68.90080 (20081401) 504921.98
3634825.90 60.83838 (19022319)
504971.98 3634825.90 51.44747 (20081806) 505021.98
3634825.90 47.46835 (21020220)
505071.98 3634825.90 48.10538 (20081806) 505121.98
3634825.90 48.21461 (20081806)
505171.98 3634825.90 43.60192 (20081806) 505221.98
3634825.90 40.81125 (20081806)
502221.98 3634875.90 20.25160 (19050903) 502271.98
3634875.90 21.34433 (19050903)
502321.98 3634875.90 22.41320 (19050903) 502371.98
3634875.90 23.44765 (19050903)
502421.98 3634875.90 24.41195 (19050903) 502471.98
3634875.90 25.27544 (19050903)
502521.98 3634875.90 26.00031 (19050903) 502571.98
3634875.90 26.54244 (19050903)
502621.98 3634875.90 26.85115 (19050903) 502671.98
3634875.90 26.87414 (19050903)
504771.98 3634875.90 65.60167 (20082303) 504821.98
3634875.90 79.85098 (20082303)
504871.98 3634875.90 73.49978 (20081401) 504921.98
3634875.90 58.52749 (19022319)
504971.98 3634875.90 49.33457 (19022319) 505021.98
3634875.90 41.86129 (19022319)
505071.98 3634875.90 39.29661 (21020220) 505121.98
3634875.90 40.96146 (21020220)
505171.98 3634875.90 41.69122 (21020220) 505221.98
3634875.90 40.69259 (21020220)
502221.98 3634925.90 20.11640 (19050903) 502271.98
3634925.90 20.71865 (19050903)
502321.98 3634925.90 21.21739 (19050903) 502371.98
3634925.90 21.59329 (19050903)
502421.98 3634925.90 21.81848 (19050903) 502471.98
3634925.90 21.86251 (19050903)
502521.98 3634925.90 21.70169 (19050903) 502571.98
3634925.90 21.30323 (19050903)
502621.98 3634925.90 20.64614 (19050903) 502671.98
3634925.90 19.96932 (19120120)
504771.98 3634925.90 26.21396 (20082303) 504821.98
3634925.90 55.19593 (20082303)
504871.98 3634925.90 65.71354 (19042006) 504921.98
3634925.90 56.46822 (19030607)
504971.98 3634925.90 47.50492 (19030607) 505021.98
3634925.90 40.12242 (20082303)
505071.98 3634925.90 35.00384 (20082303) 505121.98

3634925.90   35.15859 (19022319)
        505171.98   3634925.90   34.56027 (19022319)   505221.98
3634925.90   33.75987 (19022319)
        502221.98   3634975.90   18.19018 (19050903)   502271.98
3634975.90   18.24348 (19050903)
        502321.98   3634975.90   18.15320 (19050903)   502371.98
3634975.90   17.90777 (19050903)
        502421.98   3634975.90   17.49396 (19050903)   502471.98
3634975.90   16.90099 (19050903)
        502521.98   3634975.90   16.48328 (19022707)   502571.98
3634975.90   18.22370 (19120120)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                  INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                 L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635025.90 15.28086 (19120120)
502471.98 3635025.90 16.54023 (19120120) 502521.98
3635025.90 18.98616 (20021724)
502571.98 3635025.90 21.96494 (20021724) 502621.98
3635025.90 25.08748 (20021724)
502671.98 3635025.90 28.22091 (20021724) 504871.98
3635025.90 57.99031 (20010802)
504921.98 3635025.90 45.73108 (20041904) 504971.98
3635025.90 49.26571 (20121617)
505021.98 3635025.90 42.27884 (20082024) 505071.98
3635025.90 39.06581 (20082024)
505121.98 3635025.90 39.74695 (19030607) 505171.98
3635025.90 39.39646 (19030607)
505221.98 3635025.90 36.46609 (19030607) 502221.98
3635075.90 12.04159 (19022707)
502271.98 3635075.90 13.03373 (19120120) 502321.98
3635075.90 14.08148 (19120120)
502371.98 3635075.90 15.34174 (20021724) 502421.98
3635075.90 17.67809 (20021724)
502471.98 3635075.90 20.16342 (20021724) 502521.98
3635075.90 22.72382 (20021724)
502571.98 3635075.90 25.24987 (20021724) 502621.98
3635075.90 29.87454 (21011719)
502671.98 3635075.90 36.97891 (21011719) 504921.98
3635075.90 56.59847 (20010802)
504971.98 3635075.90 50.07864 (20082106) 505021.98
3635075.90 44.75379 (20041202)
505071.98 3635075.90 42.59261 (20121617) 505121.98
3635075.90 42.34593 (20121617)
505171.98 3635075.90 40.39019 (20121617) 505221.98
3635075.90 39.03121 (19030607)
502221.98 3635125.90 12.92910 (19120120) 502271.98
3635125.90 14.48758 (20021724)
502321.98 3635125.90 16.48484 (20021724) 502371.98
3635125.90 18.58015 (20021724)
502421.98 3635125.90 20.70026 (20021724) 502471.98
3635125.90 22.75461 (20021724)
502521.98 3635125.90 26.87049 (21011719) 502571.98
3635125.90 32.77382 (21011719)
502621.98 3635125.90 38.12928 (21011719) 502671.98
3635125.90 41.96428 (21011719)
505021.98 3635125.90 50.59768 (20082106) 505071.98
3635125.90 47.06415 (20041904)
505121.98 3635125.90 40.28205 (20041904) 505171.98
3635125.90 35.80792 (19022007)
505221.98 3635125.90 39.00753 (20121617) 502221.98
3635175.90 15.38888 (20021724)
502271.98 3635175.90 17.18538 (20021724) 502321.98
3635175.90 18.95486 (20021724)
502371.98 3635175.90 20.65447 (20021724) 502421.98

3635175.90   24.33159 (21011719)
        502471.98   3635175.90   29.29954 (21011719)   502521.98
3635175.90   33.81247 (21011719)
        502571.98   3635175.90   37.14499 (21011719)   502621.98
3635175.90   38.54414 (21011719)
        502671.98   3635175.90   37.46600 (21011719)   505121.98
3635175.90   44.14330 (20010802)
        505171.98   3635175.90   43.13323 (20010802)   505221.98
3635175.90   38.39109 (19022007)
        502221.98   3635225.90   17.43168 (20021724)   502271.98
3635225.90   18.86763 (20021724)
        502321.98   3635225.90   22.17334 (21011719)   502371.98
3635225.90   26.41343 (21011719)
        502421.98   3635225.90   30.26840 (21011719)   502471.98
3635225.90   33.17573 (21011719)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635275.90 25.55531 (21011719)
502621.98 3635275.90 29.75701 (20022207) 502671.98
3635275.90 33.75490 (20022207)
502221.98 3635325.90 46.15190 (21011719) 502271.98
3635325.90 27.05781 (21011719)
502321.98 3635325.90 54.58768 (21011719) 502371.98
3635325.90 53.49337 (21011719)
502421.98 3635325.90 48.67697 (21011719) 502471.98
3635325.90 43.06269 (21052423)
502521.98 3635325.90 45.75615 (21052423) 502571.98
3635325.90 41.96800 (21040223)
502621.98 3635325.90 38.66105 (20022207) 502671.98
3635325.90 39.87039 (20022207)
502221.98 3635375.90 49.54112 (21011719) 502271.98
3635375.90 49.59437 (21011719)
502321.98 3635375.90 45.86260 (21011719) 502371.98
3635375.90 39.39245 (21011719)
502421.98 3635375.90 45.27753 (21052423) 502471.98
3635375.90 48.18377 (21052423)
502521.98 3635375.90 41.94150 (21052423) 502571.98
3635375.90 41.57684 (20022207)
502621.98 3635375.90 44.77293 (19012005) 502671.98
3635375.90 44.36377 (20122320)
502221.98 3635425.90 42.33944 (21011719) 502271.98
3635425.90 38.05198 (21011719)
502321.98 3635425.90 38.03877 (21052423) 502371.98
3635425.90 41.50494 (21052423)
502421.98 3635425.90 42.90982 (21052423) 502471.98
3635425.90 42.97554 (21031323)
502521.98 3635425.90 45.21835 (19012005) 502571.98
3635425.90 46.38073 (19012005)
502621.98 3635425.90 44.63891 (19012005) 502671.98
3635425.90 45.70340 (21012023)
504771.98 3635425.90 28.56470 (21012617) 502221.98
3635475.90 38.00069 (21052423)
502271.98 3635475.90 39.15048 (21052423) 502321.98
3635475.90 40.36026 (21052423)
502371.98 3635475.90 39.30872 (21052423) 502421.98
3635475.90 41.83871 (21031323)
502471.98 3635475.90 49.83529 (19012005) 502521.98
3635475.90 46.43897 (19012005)
502571.98 3635475.90 44.20670 (19083024) 502621.98
3635475.90 44.25299 (21012023)
502671.98 3635475.90 46.05439 (21012023) 504771.98
3635475.90 45.75294 (21122618)
504821.98 3635475.90 37.35807 (20091421) 504871.98
3635475.90 39.74974 (19102623)
504921.98 3635475.90 45.03079 (19102623) 502221.98
3635525.90 44.34398 (21052423)
502271.98 3635525.90 38.93391 (21052423) 502321.98

3635525.90   37.38637 (21031323)
        502371.98   3635525.90   39.52093 (19012005)   502421.98
3635525.90   44.79237 (19012005)
        502471.98   3635525.90   46.50706 (19012005)   502521.98
3635525.90   45.26767 (20071201)
        502571.98   3635525.90   44.94530 (20071201)   502621.98
3635525.90   45.19657 (21072005)
        502671.98   3635525.90   44.71012 (21072005)   502721.98
3635525.90   49.79685 (21110406)
        502771.98   3635525.90   52.39862 (20070801)   502821.98
3635525.90   49.01660 (20070801)
        502871.98   3635525.90   58.28605 (20070802)   502921.98
3635525.90   59.92703 (20070802)
        502971.98   3635525.90   62.40207 (19091321)   503021.98
3635525.90   68.64306 (19091321)
        503071.98   3635525.90   68.80135 (20042421)   503121.98
3635525.90   54.23326 (20042421)
        503171.98   3635525.90   46.71018 (19121706)   503221.98
3635525.90   67.46891 (20110924)

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        503271.98   3635525.90   70.92308 (19073101)   503321.98
3635525.90   75.22860 (20091222)
        503371.98   3635525.90   74.61604 (20033120)   503421.98
3635525.90   80.20017 (20033120)
        503471.98   3635525.90   90.85379 (20101023)   503521.98
3635525.90   85.21438 (21061224)
        503571.98   3635525.90   87.94330 (19031924)   503621.98

3635525.90 73.14601 (21081004)
503671.98 3635525.90 73.34423 (19101219) 503721.98
3635525.90 76.66508 (19101219)
503771.98 3635525.90 84.19467 (20071102) 503821.98
3635525.90 65.56130 (21061222)
503871.98 3635525.90 75.66477 (19013104) 503921.98
3635525.90 97.04918 (19122420)
503971.98 3635525.90 83.44359 (21062624) 504021.98
3635525.90 77.65787 (20092001)
504071.98 3635525.90 63.39675 (21060422) 504121.98
3635525.90 41.47917 (21013118)
504171.98 3635525.90 47.02616 (20121721) 504221.98
3635525.90 26.94467 (21013118)
504271.98 3635525.90 17.86036 (21013118) 504321.98
3635525.90 11.53757 (19031219)
504371.98 3635525.90 15.03296 (20040223) 504421.98
3635525.90 18.13608 (20040223)
504471.98 3635525.90 22.85324 (20011620) 504521.98
3635525.90 26.63747 (20011620)
504571.98 3635525.90 38.87722 (20011620) 504621.98
3635525.90 49.68037 (21090701)
504671.98 3635525.90 50.87294 (21122618) 504721.98
3635525.90 59.30437 (21122618)
504771.98 3635525.90 54.82788 (21122618) 504821.98
3635525.90 44.39237 (21122618)
504871.98 3635525.90 39.06781 (20091421) 504921.98
3635525.90 34.52624 (19102623)
504971.98 3635525.90 42.26927 (19102623) 505021.98
3635525.90 48.83750 (19102623)
505071.98 3635525.90 46.43758 (19102623) 505121.98
3635525.90 39.50250 (19102623)
505171.98 3635525.90 30.75468 (19102623) 505221.98
3635525.90 25.92614 (19010822)
502221.98 3635575.90 39.24896 (20042123) 502271.98
3635575.90 38.75760 (21031323)
502321.98 3635575.90 40.10135 (19012005) 502371.98
3635575.90 43.42030 (19012005)
502421.98 3635575.90 44.46141 (19083024) 502471.98
3635575.90 44.97505 (20071201)
502521.98 3635575.90 42.04338 (20071201) 502571.98
3635575.90 42.20738 (21072005)
502621.98 3635575.90 41.80644 (21120718) 502671.98
3635575.90 46.95753 (21110406)
502721.98 3635575.90 49.72455 (20070801) 502771.98
3635575.90 46.30222 (20070801)
502821.98 3635575.90 54.98839 (20070802) 502871.98
3635575.90 57.42293 (20070802)
502921.98 3635575.90 58.17492 (20111121) 502971.98
3635575.90 66.14535 (19091321)
503021.98 3635575.90 67.82907 (20042421) 503071.98

3635575.90   69.51401 (20042421)
        503121.98   3635575.90   47.13682 (19121706)   503171.98
3635575.90   43.68531 (20110924)
        503221.98   3635575.90   72.24053 (19073101)   503271.98
3635575.90   77.18998 (20091222)
        503321.98   3635575.90   73.08835 (19111601)   503371.98
3635575.90   78.87632 (20033120)
        503421.98   3635575.90   81.79634 (19071201)   503471.98
3635575.90   79.83104 (20101023)
        503521.98   3635575.90   80.57597 (19031924)   503571.98
3635575.90   84.74005 (20090823)
        503621.98   3635575.90   80.98843 (21081004)   503671.98
3635575.90   78.61092 (19101219)
        503721.98   3635575.90   75.56728 (19101219)   503771.98
3635575.90   79.69692 (20071102)
        503821.98   3635575.90   59.50091 (20071102)   503871.98
3635575.90   73.52206 (19013104)
        503921.98   3635575.90   91.45745 (19122420)   503971.98
3635575.90   79.82772 (21062624)
        504021.98   3635575.90   62.86736 (20092001)   504071.98
3635575.90   47.19838 (21060422)
        504121.98   3635575.90   53.06594 (21013118)   504171.98
3635575.90   54.97609 (20121721)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635575.90 11.91582 (20040223)
504421.98 3635575.90 15.06019 (20040223) 504471.98
3635575.90 17.98548 (20011620)
504521.98 3635575.90 22.32670 (20011620) 504571.98
3635575.90 25.37576 (20011620)
504621.98 3635575.90 46.82802 (21090701) 504671.98
3635575.90 47.04787 (21090701)
504721.98 3635575.90 49.13963 (21122618) 504771.98
3635575.90 54.96655 (21122618)
504821.98 3635575.90 52.71189 (21122618) 504871.98
3635575.90 41.58586 (21122618)
504921.98 3635575.90 32.53104 (20091421) 504971.98
3635575.90 32.35125 (19102623)
505021.98 3635575.90 40.99190 (19102623) 505071.98
3635575.90 45.44934 (19102623)
505121.98 3635575.90 48.55122 (19102623) 505171.98
3635575.90 38.50110 (19102623)
505221.98 3635575.90 34.07699 (19102623) 502221.98
3635625.90 38.23487 (21031323)
502271.98 3635625.90 42.52110 (19012005) 502321.98
3635625.90 42.94472 (19012005)
502371.98 3635625.90 41.80265 (19083024) 502421.98
3635625.90 43.87076 (20071201)
502471.98 3635625.90 42.22885 (21012023) 502521.98
3635625.90 42.15751 (21072005)
502571.98 3635625.90 40.43530 (21110406) 502621.98
3635625.90 43.28336 (21110406)
502671.98 3635625.90 46.59804 (20070801) 502721.98
3635625.90 43.94970 (20070801)
502771.98 3635625.90 51.65298 (20070802) 502821.98
3635625.90 54.69646 (20070802)
502871.98 3635625.90 54.70196 (20111121) 502921.98
3635625.90 60.80514 (19091321)
502971.98 3635625.90 61.42587 (19071423) 503021.98
3635625.90 68.13499 (20042421)
503071.98 3635625.90 61.91458 (20042421) 503121.98
3635625.90 62.74391 (20110924)
503171.98 3635625.90 66.82507 (20110924) 503221.98
3635625.90 64.09222 (19073101)
503271.98 3635625.90 67.15786 (20091222) 503321.98
3635625.90 61.47354 (20033120)
503371.98 3635625.90 73.14769 (20033120) 503421.98
3635625.90 78.28193 (20101023)
503471.98 3635625.90 72.47414 (20120224) 503521.98
3635625.90 70.56247 (20120224)
503571.98 3635625.90 74.98042 (20090823) 503621.98
3635625.90 81.15839 (21081004)
503671.98 3635625.90 80.67686 (19101219) 503721.98
3635625.90 74.18445 (19101219)
503771.98 3635625.90 79.57499 (20071102) 503821.98

3635625.90   59.43723 (20071102)
        503871.98   3635625.90   65.64051 (19013104)   503921.98
3635625.90   84.24349 (19122420)
        503971.98   3635625.90   75.51691 (21062101)   504021.98
3635625.90   62.16607 (20092001)
        504071.98   3635625.90   54.96774 (21060422)   504121.98
3635625.90   52.73839 (21060422)
        504171.98   3635625.90   51.53019 (21013118)   504221.98
3635625.90   60.12859 (20121721)
        504271.98   3635625.90   55.77765 (20121721)   504321.98
3635625.90   14.91525 (21013118)
        504371.98   3635625.90   10.13443 (19031219)   504421.98
3635625.90   17.64166 (21121422)
        504471.98   3635625.90   14.94323 (20040223)   504521.98
3635625.90   17.99730 (20011620)
        504571.98   3635625.90   21.71290 (20011620)   504621.98
3635625.90   25.33972 (20011620)
        504671.98   3635625.90   34.38770 (20011620)   504721.98
3635625.90   43.67798 (21090701)
        504771.98   3635625.90   48.19657 (21122618)   504821.98
3635625.90   53.07583 (21122618)
        504871.98   3635625.90   48.27254 (21122618)   504921.98
3635625.90   36.69738 (21122618)
        504971.98   3635625.90   34.84307 (20091421)   505021.98
3635625.90   28.61001 (21012617)
        505071.98   3635625.90   32.19278 (19102623)   505121.98
3635625.90   42.37775 (19102623)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -

- -
505171.98 3635625.90 40.99777 (19102623) 505221.98 3635625.90 36.77946 (19102623)
502221.98 3635675.90 37.90664 (20122320) 502271.98 3635675.90 39.35470 (19083024)
502321.98 3635675.90 39.96558 (20071201) 502371.98 3635675.90 40.61906 (20071201)
502421.98 3635675.90 40.39796 (21012023) 502471.98 3635675.90 39.05361 (21072005)
502521.98 3635675.90 39.15572 (20121101) 502571.98 3635675.90 41.88355 (21110406)
502621.98 3635675.90 44.00877 (20070801) 502671.98 3635675.90 41.25979 (20070801)
502721.98 3635675.90 48.00401 (20070802) 502771.98 3635675.90 50.29463 (20070802)
502821.98 3635675.90 52.31728 (21121424) 502871.98 3635675.90 53.01735 (19091321)
502921.98 3635675.90 50.32720 (19071423) 502971.98 3635675.90 57.18833 (20042421)
503021.98 3635675.90 60.75988 (19121706) 503071.98 3635675.90 54.04524 (19121706)
503121.98 3635675.90 51.00478 (20110924) 503171.98 3635675.90 50.82009 (21021621)
503221.98 3635675.90 54.23158 (20091222) 503271.98 3635675.90 53.71302 (19111601)
503321.98 3635675.90 54.08561 (19050823) 503371.98 3635675.90 58.86906 (19071201)
503421.98 3635675.90 66.40470 (20101023) 503471.98 3635675.90 71.38590 (20120224)
503521.98 3635675.90 64.82181 (19072124) 503571.98 3635675.90 64.82033 (20090823)
503621.98 3635675.90 75.07185 (21081004) 503671.98 3635675.90 76.70584 (19101219)
503721.98 3635675.90 68.31737 (19101219) 503771.98 3635675.90 74.89555 (20071102)
503821.98 3635675.90 57.20196 (20071102) 503871.98 3635675.90 66.03107 (21061222)
503921.98 3635675.90 81.85015 (19122420) 503971.98 3635675.90 76.04061 (19122420)
504021.98 3635675.90 62.01177 (20092001) 504071.98 3635675.90 56.04355 (20092001)
504121.98 3635675.90 53.10066 (21060422) 504171.98 3635675.90 49.57925 (21013118)
504221.98 3635675.90 52.17539 (20121721) 504271.98 3635675.90 57.01774 (20121721)
504321.98 3635675.90 44.48583 (20092821) 504371.98 3635675.90 10.81277 (21013118)
504421.98 3635675.90 9.73558 (20040223) 504471.98 3635675.90 42.85493 (21121422)
504521.98 3635675.90 47.69507 (21121422) 504571.98

3635675.90   17.87842 (20011620)
        504621.98   3635675.90   34.25395 (21061321)   504671.98
3635675.90   33.70546 (21090701)
        504721.98   3635675.90   40.72636 (21090701)   504771.98
3635675.90   48.74301 (21090701)
        504821.98   3635675.90   46.78659 (21122618)   504871.98
3635675.90   48.85620 (21122618)
        504921.98   3635675.90   42.50527 (21122618)   504971.98
3635675.90   37.68527 (21122618)
        505021.98   3635675.90   32.17556 (20091421)   505071.98
3635675.90   27.24006 (21012617)
        505121.98   3635675.90   34.44458 (19102623)   505171.98
3635675.90   39.01884 (19102623)
        505221.98   3635675.90   38.52787 (19102623)   502221.98
3635725.90   39.78486 (20122320)
        502271.98   3635725.90   37.63171 (21012023)   502321.98
3635725.90   39.05070 (21012023)
        502371.98   3635725.90   37.53538 (21012023)   502421.98
3635725.90   36.01288 (21072005)
        502471.98   3635725.90   37.38683 (20122721)   502521.98
3635725.90   39.92800 (20122721)
        502571.98   3635725.90   41.63749 (20070801)   502621.98
3635725.90   38.94875 (20070801)
        502671.98   3635725.90   44.82371 (20070802)   502721.98
3635725.90   48.29617 (20070802)
        502771.98   3635725.90   49.02993 (21121424)   502821.98
3635725.90   49.89571 (21121424)
        502871.98   3635725.90   49.35707 (19091321)   502921.98
3635725.90   51.34670 (19112801)
        502971.98   3635725.90   57.64573 (19121706)   503021.98
3635725.90   55.26748 (19121706)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503071.98	3635725.90	45.89334	(21100523)	503121.98	3635725.90	47.99575	(21100523)
503171.98	3635725.90	52.55849	(21021621)	503221.98	3635725.90	48.60115	(21112718)
503271.98	3635725.90	50.81419	(19050823)	503321.98	3635725.90	53.69082	(19050823)
503371.98	3635725.90	55.45401	(21100603)	503421.98	3635725.90	59.66581	(20120224)
503471.98	3635725.90	68.02760	(20120224)	503521.98	3635725.90	60.78162	(19072124)
503571.98	3635725.90	61.69506	(21021806)	503621.98	3635725.90	67.13727	(21081004)
503671.98	3635725.90	72.18871	(19101219)	503721.98	3635725.90	63.52517	(19021305)
503771.98	3635725.90	69.72067	(20071102)	503821.98	3635725.90	54.42750	(20071102)
503871.98	3635725.90	63.71940	(21061222)	503921.98	3635725.90	76.10422	(19122420)
503971.98	3635725.90	75.96938	(19122420)	504021.98	3635725.90	60.70394	(20092001)
504071.98	3635725.90	60.21119	(20092001)	504121.98	3635725.90	55.14200	(21060422)
504171.98	3635725.90	48.16270	(21013118)	504221.98	3635725.90	53.31741	(19012903)
504271.98	3635725.90	60.16510	(20121721)	504321.98	3635725.90	49.77191	(20121721)
504371.98	3635725.90	44.10657	(20092821)	504421.98	3635725.90	16.32208	(19022602)
504471.98	3635725.90	45.44813	(19022602)	504521.98	3635725.90	50.39079	(21121422)
504571.98	3635725.90	41.67366	(21121422)	504621.98	3635725.90	33.94170	(21061321)
504671.98	3635725.90	34.10998	(21061321)	504721.98	3635725.90	37.26610	(21090701)
504771.98	3635725.90	39.32979	(21090701)	504821.98	3635725.90	39.50331	(21090701)
504871.98	3635725.90	41.44468	(21122618)	504921.98	3635725.90	43.32591	(21122618)
504971.98	3635725.90	43.74667	(21122618)	505021.98	3635725.90	36.67377	(21122618)
505071.98	3635725.90	30.48398	(20091421)	505121.98	3635725.90	28.26614	(20091421)
505171.98	3635725.90	31.34784	(19102623)	505221.98	3635725.90	35.29233	(19102623)
502221.98	3635775.90	38.93068	(21012023)	502271.98			

3635775.90 38.48744 (21012023)
  502321.98 3635775.90 36.51830 (21012023) 502371.98
3635775.90 33.79071 (21072005)
  502421.98 3635775.90 36.38355 (20122721) 502471.98
3635775.90 38.13938 (20122721)
  502521.98 3635775.90 38.27842 (20070801) 502571.98
3635775.90 36.66746 (19031105)
  502621.98 3635775.90 41.24406 (20070802) 502671.98
3635775.90 44.91398 (20070802)
  502721.98 3635775.90 44.87070 (21121424) 502771.98
3635775.90 46.46393 (21121424)
  502821.98 3635775.90 48.54163 (19091321) 502871.98
3635775.90 47.44974 (20042421)
  502921.98 3635775.90 53.05207 (19121706) 502971.98
3635775.90 54.87119 (19121706)
  503021.98 3635775.90 44.28286 (20112321) 503071.98
3635775.90 46.84704 (21100523)
  503121.98 3635775.90 48.08930 (21021621) 503171.98
3635775.90 50.07518 (21021621)
  503221.98 3635775.90 49.89685 (21112718) 503271.98
3635775.90 54.14872 (19050823)
  503321.98 3635775.90 52.66136 (21100603) 503371.98
3635775.90 55.55281 (21100603)
  503421.98 3635775.90 61.31910 (20120224) 503471.98
3635775.90 63.76362 (20120224)
  503521.98 3635775.90 58.10609 (19072124) 503571.98
3635775.90 58.90508 (21021806)
  503621.98 3635775.90 54.85241 (21081004) 503671.98
3635775.90 64.41479 (19101219)
  503721.98 3635775.90 60.42121 (19021305) 503771.98
3635775.90 65.17021 (20071102)
  503821.98 3635775.90 51.28503 (20071102) 503871.98
3635775.90 59.68769 (21061222)
  503921.98 3635775.90 69.07067 (19122420) 503971.98
3635775.90 74.24211 (19122420)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 ,
  L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504021.98	3635775.90	60.26634	(21062624)	504071.98	3635775.90	68.64311	(20092001)
504121.98	3635775.90	61.07372	(21060422)	504171.98	3635775.90	54.88998	(21060422)
504221.98	3635775.90	53.55276	(19012903)	504271.98	3635775.90	59.74014	(20121721)
504321.98	3635775.90	56.13277	(20121721)	504371.98	3635775.90	48.37230	(20092821)
504421.98	3635775.90	42.92825	(19022602)	504471.98	3635775.90	48.63306	(19022602)
504521.98	3635775.90	47.85605	(21121422)	504571.98	3635775.90	45.40620	(21121422)
504621.98	3635775.90	38.80238	(21121422)	504671.98	3635775.90	33.04385	(21061321)
504721.98	3635775.90	31.45126	(21090701)	504771.98	3635775.90	37.64850	(21090701)
504821.98	3635775.90	38.91723	(21090701)	504871.98	3635775.90	35.48848	(21081602)
504921.98	3635775.90	39.58932	(21122618)	504971.98	3635775.90	45.37809	(21122618)
505021.98	3635775.90	42.88902	(21122618)	505071.98	3635775.90	33.40795	(21122618)
505121.98	3635775.90	31.70307	(20091421)	505171.98	3635775.90	27.03912	(20091421)
505221.98	3635775.90	28.37724	(19102623)	502221.98	3635825.90	38.98797	(21012023)
502271.98	3635825.90	35.01042	(21012023)	502321.98	3635825.90	31.90259	(20122721)
502371.98	3635825.90	34.55544	(20122721)	502421.98	3635825.90	36.76628	(20122721)
502471.98	3635825.90	35.97879	(20070801)	502521.98	3635825.90	35.71807	(19031105)
502571.98	3635825.90	38.03617	(20070802)	502621.98	3635825.90	42.13599	(20070802)
502671.98	3635825.90	42.75277	(21121424)	502721.98	3635825.90	44.97727	(21121424)
502771.98	3635825.90	46.84989	(19091321)	502821.98	3635825.90	45.67865	(19071423)
502871.98	3635825.90	48.42142	(20042421)	502921.98	3635825.90	53.07374	(19121706)
502971.98	3635825.90	47.32835	(19121706)	503021.98			

3635825.90   44.47132 (21100523)
        503071.98   3635825.90   44.57000 (21100523)   503121.98
3635825.90   48.42198 (21021621)
        503171.98   3635825.90   47.05578 (21112718)   503221.98
3635825.90   47.20016 (19050823)
        503271.98   3635825.90   51.77657 (19050823)   503321.98
3635825.90   52.88591 (21100603)
        503371.98   3635825.90   51.43288 (21100603)   503421.98
3635825.90   61.04219 (20120224)
        503471.98   3635825.90   58.03678 (20120224)   503521.98
3635825.90   51.73184 (19072124)
        503571.98   3635825.90   54.91518 (19051001)   503621.98
3635825.90   49.83107 (19080922)
        503671.98   3635825.90   54.45530 (19101219)   503721.98
3635825.90   57.74720 (21041324)
        503771.98   3635825.90   60.71804 (20071102)   503821.98
3635825.90   47.68538 (20071102)
        503871.98   3635825.90   54.49062 (21061222)   503921.98
3635825.90   63.10141 (19122420)
        503971.98   3635825.90   69.85395 (19122420)   504021.98
3635825.90   61.58760 (21062624)
        504071.98   3635825.90   66.63445 (20092001)   504121.98
3635825.90   62.68610 (21060422)
        504171.98   3635825.90   61.90661 (21060422)   504221.98
3635825.90   53.37998 (21070824)
        504271.98   3635825.90   59.18665 (19012903)   504321.98
3635825.90   62.89596 (20121721)
        504371.98   3635825.90   52.50861 (20092821)   504421.98
3635825.90   45.31761 (20092821)
        504471.98   3635825.90   49.06714 (19022602)   504521.98
3635825.90   49.19746 (19022602)
        504571.98   3635825.90   47.07419 (21121422)   504621.98
3635825.90   43.98823 (21121422)
        504671.98   3635825.90   33.07611 (21121422)   504721.98
3635825.90   28.84025 (21061321)
        504771.98   3635825.90   31.01471 (21090701)   504821.98
3635825.90   37.40348 (21090701)
        504871.98   3635825.90   38.64020 (21090701)   504921.98
3635825.90   35.06621 (21081602)

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                INCLUDING SOURCE(S):   L0000910   , L0000911

, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504971.98   3635825.90   40.21689 (21122618)   505021.98
3635825.90   42.45527 (21122618)
        505071.98   3635825.90   40.04772 (21122618)   505121.98
3635825.90   32.87448 (21122618)
        505171.98   3635825.90   31.12246 (20091421)   505221.98
3635825.90   26.69269 (20091421)
        502221.98   3635875.90   34.08140 (21012023)   502271.98
3635875.90   31.85135 (20122721)
        502321.98   3635875.90   34.39599 (20122721)   502371.98
3635875.90   34.67497 (20122721)
        502421.98   3635875.90   33.61504 (20122721)   502471.98
3635875.90   34.13171 (19031105)
        502521.98   3635875.90   34.31804 (20070802)   502571.98
3635875.90   38.63320 (20070802)
        502621.98   3635875.90   41.19591 (21121424)   502671.98
3635875.90   43.93167 (21121424)
        502721.98   3635875.90   42.16921 (19091321)   502771.98
3635875.90   43.44936 (19071423)
        502821.98   3635875.90   45.51938 (20042421)   502871.98
3635875.90   49.06710 (19121706)
        502921.98   3635875.90   48.17041 (19121706)   502971.98
3635875.90   39.50533 (20112321)
        503021.98   3635875.90   43.60849 (21100523)   503071.98
3635875.90   44.18022 (21021621)
        503121.98   3635875.90   45.90830 (21021621)   503171.98
3635875.90   45.57684 (21112718)
        503221.98   3635875.90   49.00732 (19050823)   503271.98
3635875.90   48.39864 (19050823)
        503321.98   3635875.90   51.74374 (21100603)   503371.98
3635875.90   48.14642 (19080122)
        503421.98   3635875.90   59.28216 (20120224)   503471.98
3635875.90   55.22321 (19072124)
        503521.98   3635875.90   46.41485 (20052321)   503571.98
3635875.90   52.69109 (19051001)
        503621.98   3635875.90   47.41412 (19080922)   503671.98
3635875.90   51.83039 (19101219)
        503721.98   3635875.90   55.29149 (21041324)   503771.98

3635875.90   55.56302 (20071102)
        503821.98   3635875.90   43.82244 (20071102)   503871.98
3635875.90   46.66296 (19072224)
        503921.98   3635875.90   56.34422 (19122420)   503971.98
3635875.90   66.00868 (19122420)
        504021.98   3635875.90   59.19647 (21062624)   504071.98
3635875.90   60.47661 (20092001)
        504121.98   3635875.90   58.06811 (20092001)   504171.98
3635875.90   61.61123 (21060422)
        504221.98   3635875.90   51.86169 (21013118)   504271.98
3635875.90   55.12922 (19012903)
        504321.98   3635875.90   60.84528 (20121721)   504371.98
3635875.90   59.55456 (20121721)
        504421.98   3635875.90   55.93549 (20092821)   504471.98
3635875.90   47.11865 (19022602)
        504521.98   3635875.90   50.07253 (19022602)   504571.98
3635875.90   45.55204 (21121422)
        504621.98   3635875.90   46.94115 (21121422)   504671.98
3635875.90   39.63056 (21121422)
        504721.98   3635875.90   28.02813 (21061321)   504771.98
3635875.90   27.87448 (21061321)
        504821.98   3635875.90   32.47720 (21090701)   504871.98
3635875.90   36.45450 (21090701)
        504921.98   3635875.90   36.33169 (21090701)   504971.98
3635875.90   36.75260 (21081602)
        505021.98   3635875.90   38.68361 (21122618)   505071.98
3635875.90   39.46480 (21122618)
        505121.98   3635875.90   37.69791 (21122618)   505171.98
3635875.90   31.84262 (21122618)
        505221.98   3635875.90   30.46752 (20091421)   502221.98
3635925.90   33.33882 (20122721)
        502271.98   3635925.90   34.71458 (20122721)   502321.98
3635925.90   34.66686 (20122721)
        502371.98   3635925.90   32.14867 (20070801)   502421.98
3635925.90   32.86365 (19031105)
        502471.98   3635925.90   32.32030 (20070802)   502521.98
3635925.90   34.51427 (20070802)
        502571.98   3635925.90   39.02459 (21121424)   502621.98
3635925.90   42.58168 (21121424)
        502671.98   3635925.90   40.63263 (21121424)   502721.98
3635925.90   39.03510 (19071423)
        502771.98   3635925.90   42.20030 (20042421)   502821.98
3635925.90   45.57150 (19121706)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***

INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502871.98	3635925.90	47.18779	(19121706)	502921.98	3635925.90	39.66530	(19121706)
502971.98	3635925.90	40.61409	(21100523)	503021.98	3635925.90	40.47720	(20070104)
503071.98	3635925.90	44.14644	(21021621)	503121.98	3635925.90	43.27661	(21112718)
503171.98	3635925.90	42.34249	(19050823)	503221.98	3635925.90	48.11098	(19050823)
503271.98	3635925.90	46.68474	(21100603)	503321.98	3635925.90	49.13728	(21100603)
503371.98	3635925.90	50.22536	(20120224)	503421.98	3635925.90	56.12776	(20120224)
503471.98	3635925.90	51.21400	(19072124)	503521.98	3635925.90	44.47147	(19051001)
503571.98	3635925.90	50.16190	(19051001)	503621.98	3635925.90	44.23346	(19080922)
503671.98	3635925.90	50.35430	(21041324)	503721.98	3635925.90	53.58235	(21041324)
503771.98	3635925.90	50.65092	(19072223)	503821.98	3635925.90	41.36974	(19072223)
503871.98	3635925.90	44.22712	(21061222)	503921.98	3635925.90	51.49825	(19122420)
503971.98	3635925.90	61.82971	(19122420)	504021.98	3635925.90	55.76364	(21062101)
504071.98	3635925.90	55.34414	(20092001)	504121.98	3635925.90	55.63084	(20092001)
504171.98	3635925.90	55.37591	(21060422)	504221.98	3635925.90	50.31513	(21013118)
504271.98	3635925.90	51.29333	(21013118)	504321.98	3635925.90	52.85185	(19012903)
504371.98	3635925.90	58.48958	(20121721)	504421.98	3635925.90	55.21918	(20092821)
504471.98	3635925.90	49.88657	(20092821)	504521.98			

```
3635925.90       52.07477  (19022602)
        504571.98   3635925.90       48.92887  (19022602)                504621.98
3635925.90       44.32353  (21121422)
        504671.98   3635925.90       44.01589  (21121422)                504721.98
3635925.90       34.96427  (21121422)
        504771.98   3635925.90       29.76314  (21061321)                504821.98
3635925.90       26.56564  (21061321)
        504871.98   3635925.90       31.58015  (21090701)                504921.98
3635925.90       34.77842  (21090701)
        504971.98   3635925.90       37.54783  (21090701)                505021.98
3635925.90       36.97092  (21081602)
        505071.98   3635925.90       39.69596  (21122618)                505121.98
3635925.90       39.41120  (21122618)
        505171.98   3635925.90       36.38342  (21122618)                505221.98
3635925.90       33.53324  (20091421)
        502221.98   3635975.90       36.74891  (20122721)                502271.98
3635975.90       35.42292  (20122721)
        502321.98   3635975.90       32.22252  (20122721)                502371.98
3635975.90       31.61922  (19031105)
        502421.98   3635975.90       31.18284  (20040823)                502471.98
3635975.90       33.07533  (20070802)
        502521.98   3635975.90       36.92876  (21121424)                502571.98
3635975.90       40.26320  (21121424)
        502621.98   3635975.90       39.58017  (21121424)                502671.98
3635975.90       35.27888  (19091321)
        502721.98   3635975.90       38.36887  (19112801)                502771.98
3635975.90       41.79576  (19121706)
        502821.98   3635975.90       45.96058  (19121706)                502871.98
3635975.90       41.75616  (19121706)
        502921.98   3635975.90       37.47185  (21100523)                502971.98
3635975.90       39.11493  (21100523)
        503021.98   3635975.90       40.87116  (21021621)                503071.98
3635975.90       42.09873  (21021621)
        503121.98   3635975.90       41.98738  (21112718)                503171.98
3635975.90       43.97552  (19050823)
        503221.98   3635975.90       45.61515  (19050823)                503271.98
3635975.90       46.83074  (21100603)
        503321.98   3635975.90       45.47430  (21100603)                503371.98
3635975.90       51.99583  (20120224)
        503421.98   3635975.90       49.91347  (20120224)                503471.98
3635975.90       46.70748  (19072124)
        503521.98   3635975.90       45.32132  (19051001)                503571.98
3635975.90       46.98663  (19051001)
        503621.98   3635975.90       41.83339  (19080922)                503671.98
3635975.90       49.28278  (21041324)
        503721.98   3635975.90       51.81637  (21041324)                503771.98
3635975.90       49.53349  (19072223)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503821.98	3635975.90	40.21784	(19072223)	503871.98	3635975.90	40.78784	(19072224)
503921.98	3635975.90	47.36763	(19072224)	503971.98	3635975.90	58.29804	(19122420)
504021.98	3635975.90	52.91520	(19122420)	504071.98	3635975.90	46.94486	(20092001)
504121.98	3635975.90	49.24811	(20092001)	504171.98	3635975.90	45.98898	(21060422)
504221.98	3635975.90	46.00007	(21013118)	504271.98	3635975.90	51.49269	(21013118)
504321.98	3635975.90	46.42064	(19012903)	504371.98	3635975.90	49.01647	(20121721)
504421.98	3635975.90	47.53495	(20121721)	504471.98	3635975.90	48.93978	(20092821)
504521.98	3635975.90	44.53639	(19022602)	504571.98	3635975.90	50.53246	(19022602)
504621.98	3635975.90	45.68545	(19022602)	504671.98	3635975.90	50.09017	(21121422)
504721.98	3635975.90	45.10804	(21121422)	504771.98	3635975.90	33.75566	(21061321)
504821.98	3635975.90	31.27410	(21061321)	504871.98	3635975.90	27.10221	(21061321)
504921.98	3635975.90	31.62181	(21090701)	504971.98	3635975.90	37.32424	(21090701)
505021.98	3635975.90	36.59295	(21090701)	505071.98	3635975.90	35.97593	(21081602)
505121.98	3635975.90	37.96214	(21122618)	505171.98	3635975.90	38.81404	(21122618)
505221.98	3635975.90	34.99917	(21122618)	501721.98			

3632475.90 2.95125 (21030103)
501821.98 3632475.90 4.41345 (21030103) 501921.98
3632475.90 6.12815 (21030103)
502021.98 3632475.90 7.78809 (21030103) 502121.98
3632475.90 8.94688 (21030103)
502221.98 3632475.90 9.18362 (21030103) 502321.98
3632475.90 11.96471 (20121603)
502421.98 3632475.90 13.80893 (20121603) 502521.98
3632475.90 13.42615 (20121603)
502621.98 3632475.90 10.81833 (20121603) 502721.98
3632475.90 18.89478 (20092124)
502821.98 3632475.90 16.85214 (20102407) 502921.98
3632475.90 19.77531 (20102407)
503021.98 3632475.90 23.07296 (20111701) 503121.98
3632475.90 30.30186 (19081924)
503221.98 3632475.90 34.57361 (19081924) 503321.98
3632475.90 30.40098 (19110606)
503421.98 3632475.90 33.36164 (19101521) 503721.98
3632475.90 32.56423 (21020203)
503821.98 3632475.90 34.47461 (20082921) 503921.98
3632475.90 26.37902 (20082921)
504021.98 3632475.90 23.49405 (20080820) 504121.98
3632475.90 25.88362 (20022622)
504221.98 3632475.90 25.51337 (21011302) 504321.98
3632475.90 23.98745 (19102905)
504421.98 3632475.90 24.59569 (19121107) 504521.98
3632475.90 24.82584 (21011620)
504621.98 3632475.90 23.83453 (21013021) 504721.98
3632475.90 23.13294 (21120723)
504821.98 3632475.90 22.54846 (20101423) 504921.98
3632475.90 22.69181 (21022020)
505021.98 3632475.90 22.41971 (21120804) 505121.98
3632475.90 21.65456 (19042204)
505221.98 3632475.90 21.14211 (19022705) 505321.98
3632475.90 20.18210 (19031124)
505421.98 3632475.90 19.89080 (21011520) 505521.98
3632475.90 19.31752 (21010522)
505621.98 3632475.90 18.43757 (20122923) 505721.98
3632475.90 17.06638 (20110323)
501721.98 3632575.90 2.65305 (19010119) 501821.98
3632575.90 3.26362 (21030103)
501921.98 3632575.90 4.91595 (21030103) 502021.98
3632575.90 6.83024 (21030103)
502121.98 3632575.90 8.61788 (21030103) 502221.98
3632575.90 9.74043 (21030103)
502321.98 3632575.90 10.50674 (20121603) 502421.98
3632575.90 13.65821 (20121603)
502521.98 3632575.90 14.94835 (20121603) 502621.98
3632575.90 13.53131 (20121603)
502721.98 3632575.90 12.05837 (21063005) 502821.98

```
3632575.90       18.07350  (20092124)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 724
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FORKN    ***
                                  INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                 L0000915    , L0000916    , L0000917    , L0000918    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        502921.98   3632575.90       20.26197  (20102407)                503021.98
3632575.90       24.22326  (20111701)
        503121.98   3632575.90       26.45368  (19081924)                503221.98
3632575.90       38.23186  (19081924)
        503321.98   3632575.90       30.76393  (19110606)                503421.98
3632575.90       35.63593  (19101521)
        503721.98   3632575.90       33.15357  (21020203)                503821.98
3632575.90       34.88031  (20082921)
        503921.98   3632575.90       22.18548  (20081802)                504021.98
3632575.90       26.57955  (20082519)
        504121.98   3632575.90       26.67348  (20022622)                504221.98
3632575.90       26.68760  (21011302)
        504321.98   3632575.90       26.17899  (21022205)                504421.98
3632575.90       27.88223  (20022403)
        504521.98   3632575.90       25.46319  (21011620)                504621.98
3632575.90       23.30985  (20042404)
        504721.98   3632575.90       24.55721  (21120723)                504821.98
3632575.90       23.76814  (20112022)
        504921.98   3632575.90       24.09587  (21011323)                505021.98
3632575.90       23.24284  (21010102)
        505121.98   3632575.90       22.22674  (21022803)                505221.98
3632575.90       22.15886  (21021820)
        505321.98   3632575.90       21.81334  (21011520)                505421.98
3632575.90       20.68532  (21010522)
        505521.98   3632575.90       19.50206  (19122301)                505621.98
```

3632575.90 18.39314 (20110323)
505721.98 3632575.90 19.03340 (21022502) 501721.98
3632675.90 3.38688 (19010119)
501821.98 3632675.90 2.92609 (19010119) 501921.98
3632675.90 3.62458 (21030103)
502021.98 3632675.90 5.50095 (21030103) 502121.98
3632675.90 7.64384 (21030103)
502221.98 3632675.90 9.55914 (21030103) 502321.98
3632675.90 10.59431 (21030103)
502421.98 3632675.90 12.40960 (20121603) 502521.98
3632675.90 15.43334 (20121603)
502621.98 3632675.90 15.85133 (20121603) 502721.98
3632675.90 13.17832 (20121603)
502821.98 3632675.90 28.29419 (20092124) 502921.98
3632675.90 25.88215 (20061222)
503021.98 3632675.90 30.13796 (20082723) 503721.98
3632675.90 34.92159 (21020203)
503821.98 3632675.90 37.63117 (20082921) 503921.98
3632675.90 27.33704 (20032501)
504021.98 3632675.90 27.98468 (19032124) 504121.98
3632675.90 29.17661 (21013120)
504221.98 3632675.90 25.73727 (21011302) 504321.98
3632675.90 28.81321 (21022205)
504421.98 3632675.90 27.40146 (20022403) 504521.98
3632675.90 27.24594 (21013021)
504621.98 3632675.90 26.62663 (20042404) 504721.98
3632675.90 26.03343 (20101423)
504821.98 3632675.90 25.68090 (21022020) 504921.98
3632675.90 24.82508 (21120804)
505021.98 3632675.90 23.72706 (21022803) 505121.98
3632675.90 23.78169 (21021820)
505221.98 3632675.90 23.23501 (21011520) 505321.98
3632675.90 21.81857 (21010522)
505421.98 3632675.90 21.34340 (19122301) 505521.98
3632675.90 19.71306 (20110323)
505621.98 3632675.90 20.41260 (21022502) 505721.98
3632675.90 19.30554 (19120104)
502421.98 3632775.90 18.77089 (21030103) 502521.98
3632775.90 23.81103 (21031822)
502621.98 3632775.90 24.42647 (20121603) 502721.98
3632775.90 16.35881 (20121603)
502821.98 3632775.90 35.05789 (20092124) 502921.98
3632775.90 35.13470 (20090205)
503021.98 3632775.90 34.49976 (20102407) 503121.98
3632775.90 38.08004 (20111701)
503221.98 3632775.90 33.15910 (19081924) 503621.98
3632775.90 41.66045 (20050102)
503721.98 3632775.90 37.99012 (21020203) 503821.98
3632775.90 37.87174 (20082921)
503921.98 3632775.90 30.27525 (20032501) 504021.98

```
3632775.90       30.44266  (19032124)
        504121.98   3632775.90       31.97593  (21013120)                504221.98
3632775.90       27.98296  (19102905)
        504321.98   3632775.90       30.88107  (19121107)                504421.98
3632775.90       30.95413  (21011620)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 725
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FORKN    ***
                                  INCLUDING SOURCE(S):     L0000910    , L0000911
, L0000912    , L0000913    , L0000914    ,
                 L0000915    , L0000916    , L0000917    , L0000918    ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        504521.98   3632775.90       28.24950  (21013021)                504621.98
3632775.90       28.60437  (21120723)
        504721.98   3632775.90       27.43941  (20112022)                504821.98
3632775.90       26.97535  (21011323)
        504921.98   3632775.90       26.54356  (20011902)                505021.98
3632775.90       25.87722  (19022705)
        505121.98   3632775.90       24.71607  (20121007)                505221.98
3632775.90       23.65430  (19121906)
        505321.98   3632775.90       23.23751  (19122301)                505421.98
3632775.90       21.28972  (19081501)
        505521.98   3632775.90       21.95208  (21022502)                505621.98
3632775.90       20.59870  (19120104)
        505721.98   3632775.90       20.54545  (20021702)                501721.98
3632875.90        4.74886  (19010119)
        501821.98   3632875.90        4.55315  (19010119)                501921.98
3632875.90        4.16184  (19010119)
        502021.98   3632875.90        3.61095  (19010119)                502121.98
3632875.90        4.53753  (21030103)
        502221.98   3632875.90        6.99737  (21030103)                502321.98
3632875.90        9.70161  (21030103)
        502421.98   3632875.90       11.83421  (21030103)                502521.98
```

```
3632875.90       12.45356  (21030103)
        502621.98   3632875.90       17.02432  (20121603)                502721.98
3632875.90       18.78070  (20121603)
        502821.98   3632875.90       31.55885  (20092124)                502921.98
3632875.90       42.10444  (20090205)
        503021.98   3632875.90       25.29114  (20090723)                503121.98
3632875.90       36.20538  (20111701)
        503221.98   3632875.90       32.79333  (19050103)                503321.98
3632875.90       43.69088  (19081924)
        503421.98   3632875.90       42.42654  (19110606)                503621.98
3632875.90       43.76433  (20050102)
        503721.98   3632875.90       40.16956  (21020203)                503821.98
3632875.90       39.05344  (20082921)
        503921.98   3632875.90       27.90277  (20081802)                504021.98
3632875.90       33.34429  (19032124)
        504121.98   3632875.90       33.90736  (21013120)                504221.98
3632875.90       32.33187  (19102905)
        504321.98   3632875.90       34.43834  (20022403)                504421.98
3632875.90       31.92066  (20052501)
        504521.98   3632875.90       31.08586  (20042404)                504621.98
3632875.90       30.13790  (20101423)
        504721.98   3632875.90       29.25307  (21011323)                504821.98
3632875.90       29.04976  (21010102)
        504921.98   3632875.90       27.23201  (19022705)                505021.98
3632875.90       26.67762  (20121007)
        505121.98   3632875.90       25.68598  (19121906)                505221.98
3632875.90       25.13859  (19122301)
        505321.98   3632875.90       22.99500  (20122923)                505421.98
3632875.90       23.70523  (21022502)
        505521.98   3632875.90       22.21555  (19120104)                505621.98
3632875.90       22.21834  (20021702)
        505721.98   3632875.90       21.18382  (20020804)                501721.98
3632975.90        5.13040  (19010119)
        501821.98   3632975.90        5.20468  (19010119)                501921.98
3632975.90        5.04421  (19010119)
        502021.98   3632975.90        4.64489  (19010119)                502121.98
3632975.90        4.04324  (19010119)
        505321.98   3632975.90       25.70436  (21022502)                505421.98
3632975.90       23.96422  (19120104)
        505521.98   3632975.90       24.06284  (20021702)                505621.98
3632975.90       22.17664  (20020804)
        505721.98   3632975.90       22.07105  (21012402)                501721.98
3633075.90        6.57978  (21111004)
        501821.98   3633075.90        5.88609  (21111004)                501921.98
3633075.90        5.71362  (19010119)
        502021.98   3633075.90        5.60748  (19010119)                502121.98
3633075.90        5.21140  (19010119)
        505321.98   3633075.90       26.00258  (19120104)                505421.98
3633075.90       26.02745  (20021702)
        505521.98   3633075.90       24.02054  (20011323)                505621.98
```

3633075.90   23.21593 (21012402)
        505721.98   3633075.90   22.97709 (20022406)   501721.98
3633175.90   7.79638 (21111004)
        501821.98   3633175.90   7.52696 (21111004)   501921.98
3633175.90   6.87840 (21111004)
        502021.98   3633175.90   6.28393 (19010119)   502121.98
3633175.90   6.24967 (19010119)
        505321.98   3633175.90   28.17518 (20021702)   505421.98
3633175.90   26.22360 (20011323)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                   INCLUDING SOURCE(S):   L0000910   , L0000911   , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3633375.90        9.39863  (21111004)
        505321.98   3633375.90       30.87424  (20022406)                505421.98
3633375.90       28.06182  (21121121)
        505521.98   3633375.90       27.14733  (21120121)                505621.98
3633375.90       25.04995  (21011022)
        505721.98   3633375.90       24.10263  (20021024)                501721.98
3633475.90        6.57358  (21111004)
        501821.98   3633475.90        7.94392  (21111004)                501921.98
3633475.90        9.26627  (21111004)
        502021.98   3633475.90       10.35039  (21111004)                502121.98
3633475.90       10.97096  (21111004)
        505321.98   3633475.90       30.86588  (21121121)                505421.98
3633475.90       29.49961  (21021801)
        505521.98   3633475.90       27.23491  (21011022)                505621.98
3633475.90       27.36065  (21122302)
        505721.98   3633475.90       25.22726  (21011724)                501721.98
3633575.90        6.72910  (21012320)
        501821.98   3633575.90        6.19118  (21111004)                501921.98
3633575.90        7.79116  (21111004)
        502021.98   3633575.90        9.46955  (21111004)                502121.98
3633575.90       11.05194  (21111004)
        505321.98   3633575.90       32.29636  (21011022)                505421.98
3633575.90       31.32185  (21122302)
        505521.98   3633575.90       29.21061  (21011724)                505621.98
3633575.90       28.13998  (21010408)
        505721.98   3633575.90       25.70681  (21011720)                501721.98
3633675.90       10.56713  (21012320)
        501821.98   3633675.90        9.61421  (21012320)                501921.98
3633675.90        8.37325  (21012320)
        502021.98   3633675.90        7.36867  (21111004)                502121.98
3633675.90        9.39994  (21111004)
        505321.98   3633675.90       34.03075  (21122302)                505421.98
3633675.90       33.55876  (21010408)
        505521.98   3633675.90       29.83919  (21011720)                505621.98
3633675.90       28.90935  (20121406)
        505721.98   3633675.90       26.51636  (20021305)                501721.98
3633775.90       13.60423  (21012320)
        501821.98   3633775.90       13.57659  (21012320)                501921.98
3633775.90       13.08768  (21012320)
        502021.98   3633775.90       12.09545  (21012320)                502121.98
3633775.90       10.61576  (21012320)
        505321.98   3633775.90       35.01128  (21011720)                505421.98
3633775.90       34.22933  (20121406)
        505521.98   3633775.90       30.66177  (21121024)                505621.98
3633775.90       29.14751  (20021723)
        505721.98   3633775.90       27.94501  (19011606)                501721.98
3633875.90       14.11191  (21012320)
        501821.98   3633875.90       15.33529  (21012320)                501921.98
3633875.90       16.15691  (21012320)
        502021.98   3633875.90       16.64055  (21012320)                502121.98
```

3633875.90   16.43078 (21012320)
        505321.98   3633875.90   36.73684 (20021723)   505421.98
3633875.90   35.36486 (19011606)
        505521.98   3633875.90   31.72526 (20012223)   505621.98
3633875.90   29.89904 (21022322)
        505721.98   3633875.90   29.00578 (20082223)   501721.98
3633975.90   11.64311 (21012320)
        501821.98   3633975.90   13.57628 (21012320)   501921.98
3633975.90   15.58716 (21012320)
        502021.98   3633975.90   17.53390 (21012320)   502121.98
3633975.90   19.28023 (21012320)
        505321.98   3633975.90   37.73493 (21022322)   505421.98
3633975.90   34.70426 (21010422)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                    INCLUDING SOURCE(S):   L0000910   , L0000911   , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3634175.90       12.07841  (19083104)
        501821.98   3634175.90       12.68388  (19083104)                501921.98
3634175.90       13.20881  (19083104)
        502021.98   3634175.90       13.57933  (19083104)                502121.98
3634175.90       13.88212  (19083104)
        505321.98   3634175.90       38.16572  (20020703)                505421.98
3634175.90       33.99873  (20032124)
        505521.98   3634175.90       33.94725  (21122121)                505621.98
3634175.90       32.24332  (21122121)
        505721.98   3634175.90       29.57221  (21122121)                501721.98
3634275.90       11.90850  (19083104)
        501821.98   3634275.90       12.98255  (19083104)                501921.98
3634275.90       14.13825  (19083104)
        502021.98   3634275.90       15.35770  (19083104)                502121.98
3634275.90       16.65240  (19083104)
        505321.98   3634275.90       43.67759  (20121803)                505421.98
3634275.90       41.37937  (21122201)
        505521.98   3634275.90       34.66355  (21122201)                505621.98
3634275.90       31.52010  (19021906)
        505721.98   3634275.90       29.23656  (19021906)                501721.98
3634375.90        9.22358  (19083104)
        501821.98   3634375.90       10.30560  (19083104)                501921.98
3634375.90       11.50288  (19083104)
        502021.98   3634375.90       12.89634  (19083104)                502121.98
3634375.90       14.54851  (19083104)
        505321.98   3634375.90       45.56255  (20013123)                505421.98
3634375.90       41.93633  (20013123)
        505521.98   3634375.90       33.89836  (20013123)                505621.98
3634375.90       31.58736  (21121920)
        505721.98   3634375.90       29.68514  (21121920)                501721.98
3634475.90        9.86869  (21021102)
        501821.98   3634475.90       10.55317  (21021102)                501921.98
3634475.90       11.30353  (21021102)
        502021.98   3634475.90       12.15425  (21021102)                502121.98
3634475.90       13.08591  (20022619)
        505321.98   3634475.90       43.07027  (19122101)                505421.98
3634475.90       47.91917  (19122101)
        505521.98   3634475.90       37.98353  (19122101)                505621.98
3634475.90       32.33874  (19122101)
        505721.98   3634475.90       30.13641  (21010219)                501721.98
3634575.90       14.65396  (21021102)
        501821.98   3634575.90       15.81384  (21021102)                501921.98
3634575.90       17.13200  (21021102)
        502021.98   3634575.90       18.65461  (21021102)                502121.98
3634575.90       20.40215  (21021102)
        505321.98   3634575.90       38.90820  (21101921)                505421.98
3634575.90       45.33916  (21101921)
        505521.98   3634575.90       40.77555  (21101921)                505621.98
3634575.90       31.13042  (21101921)
        505721.98   3634575.90       28.74215  (21101921)                501721.98
```

3634675.90   15.82943 (21021102)
        501821.98   3634675.90   16.88928 (21021102)   501921.98
3634675.90   18.03046 (21021102)
        502021.98   3634675.90   19.29614 (21021102)   502121.98
3634675.90   20.59700 (21021102)
        505321.98   3634675.90   44.33917 (20041201)   505421.98
3634675.90   46.20585 (20041201)
        505521.98   3634675.90   45.90186 (21013119)   505621.98
3634675.90   39.67411 (21013119)
        505721.98   3634675.90   30.50816 (21013119)   501721.98
3634775.90   12.42251 (21021102)
        501821.98   3634775.90   12.80406 (21021102)   501921.98
3634775.90   13.12813 (21021102)
        502021.98   3634775.90   13.48997 (19101801)   502121.98
3634775.90   14.66952 (19101801)
        505321.98   3634775.90   36.01171 (21082522)   505421.98
3634775.90   39.86229 (20041201)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                    INCLUDING SOURCE(S):   L0000910   , L0000911   , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3634875.90       42.46221  (21032601)
        505521.98   3634875.90       37.93954  (21032601)                505621.98
3634875.90       34.47132  (20081806)
        505721.98   3634875.90       33.03551  (20081806)                501721.98
3634975.90       13.61223  (19050903)
        501821.98   3634975.90       14.81039  (19050903)                501921.98
3634975.90       15.94269  (19050903)
        502021.98   3634975.90       16.95549  (19050903)                502121.98
3634975.90       17.75083  (19050903)
        505321.98   3634975.90       42.42697  (19022319)                505421.98
3634975.90       44.77578  (20081401)
        505521.98   3634975.90       43.13082  (21012820)                505621.98
3634975.90       40.60718  (21012820)
        505721.98   3634975.90       36.65388  (21012820)                501721.98
3635075.90       30.75066  (21012721)
        501821.98   3635075.90       18.50944  (21121021)                501921.98
3635075.90       42.75282  (21121021)
        502021.98   3635075.90       40.75518  (21121021)                502121.98
3635075.90       12.42450  (19050903)
        505321.98   3635075.90       36.53069  (19030607)                505421.98
3635075.90       41.04937  (19042006)
        505521.98   3635075.90       43.29516  (20081401)                505621.98
3635075.90       39.77123  (20081401)
        505721.98   3635075.90       38.83783  (20081401)                501721.98
3635175.90       34.59627  (21121021)
        501821.98   3635175.90       32.65900  (19110921)                501921.98
3635175.90       42.71714  (19110921)
        502021.98   3635175.90       42.76825  (19100422)                502121.98
3635175.90       37.33335  (21112918)
        505321.98   3635175.90       34.41478  (19022007)                505421.98
3635175.90       29.94159  (19022007)
        505521.98   3635175.90       30.56230  (19042006)                505621.98
3635175.90       32.72018  (19042006)
        505721.98   3635175.90       32.56395  (19042006)                501721.98
3635275.90       35.49785  (19100422)
        501821.98   3635275.90       40.18865  (21112918)                501921.98
3635275.90       42.69750  (21112918)
        502021.98   3635275.90       44.24435  (19122123)                502121.98
3635275.90       43.25130  (20021924)
        505621.98   3635275.90       22.60424  (21122106)                505721.98
3635275.90       20.64040  (21122106)
        501721.98   3635375.90       31.29726  (19120120)                501821.98
3635375.90       36.80426  (20021924)
        501921.98   3635375.90       42.13090  (20021924)                502021.98
3635375.90       45.31164  (19012720)
        502121.98   3635375.90       40.88397  (21011719)                505621.98
3635375.90       19.15239  (20010802)
        501721.98   3635475.90       29.27140  (20021924)                501821.98
3635475.90       33.20585  (19012720)
        501921.98   3635475.90       34.59978  (19012720)                502021.98
```

3635475.90   39.82768 (21011719)
        502121.98   3635475.90   42.56497 (19111006)   505621.98
3635475.90   4.83123 (20092620)
        505721.98   3635475.90   4.15177 (20092620)   501721.98
3635575.90   27.73741 (21011719)
        501821.98   3635575.90   32.81869 (21011719)   501921.98
3635575.90   33.79581 (19111006)
        502021.98   3635575.90   33.67981 (21111519)   502121.98
3635575.90   38.50998 (21052423)
        505321.98   3635575.90   27.13839 (19010822)   505421.98
3635575.90   9.44339 (21071520)
        505521.98   3635575.90   7.64400 (21071520)   505621.98
3635575.90   5.96102 (21071520)
        505721.98   3635575.90   4.61865 (20092620)   501721.98
3635675.90   28.47581 (21011719)
        501821.98   3635675.90   26.36842 (21021622)   501921.98
3635675.90   29.21156 (21052423)
        502021.98   3635675.90   33.71076 (19013101)   502121.98
3635675.90   38.40480 (19013101)
        505321.98   3635675.90   32.44104 (19102623)   505421.98
3635675.90   21.90898 (20022105)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911 , L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635775.90 34.36149 (19013101)
502021.98 3635775.90 34.01583 (19013101) 502121.98
3635775.90 37.56002 (20122320)
505321.98 3635775.90 36.60451 (19102623) 505421.98
3635775.90 34.29087 (19102623)
505521.98 3635775.90 25.08758 (19010822) 505621.98
3635775.90 19.12477 (19010822)
505721.98 3635775.90 21.45430 (19030707) 501721.98
3635875.90 26.99132 (19013101)
501821.98 3635875.90 32.46652 (19013101) 501921.98
3635875.90 30.50166 (20122320)
502021.98 3635875.90 35.81947 (20122320) 502121.98
3635875.90 37.46631 (21012023)
505321.98 3635875.90 24.92616 (19102623) 505421.98
3635875.90 31.93647 (19102623)
505521.98 3635875.90 32.51414 (19102623) 505621.98
3635875.90 24.69295 (19102623)
505721.98 3635875.90 22.26220 (19010822) 501721.98
3635975.90 26.44885 (19013101)
501821.98 3635975.90 29.85757 (20122320) 501921.98
3635975.90 32.39420 (20122320)
502021.98 3635975.90 34.88413 (21012023) 502121.98
3635975.90 29.20871 (21012023)
505321.98 3635975.90 29.43224 (20091421) 505421.98
3635975.90 21.13703 (21012617)
505521.98 3635975.90 27.76013 (19102623) 505621.98
3635975.90 31.00088 (19102623)
505721.98 3635975.90 24.77960 (19102623) 501721.98
3636075.90 27.32900 (20122320)
501821.98 3636075.90 27.71320 (21012023) 501921.98
3636075.90 31.35993 (21012023)
502021.98 3636075.90 25.87748 (20122721) 502121.98
3636075.90 34.60601 (20122721)
502221.98 3636075.90 31.63152 (19031105) 502321.98
3636075.90 29.86568 (20040823)
502421.98 3636075.90 32.71870 (21121424) 502521.98
3636075.90 38.12484 (21121424)
502621.98 3636075.90 34.70770 (19112801) 502721.98
3636075.90 41.19316 (19121706)
502821.98 3636075.90 36.18131 (19121706) 502921.98
3636075.90 35.71520 (21100523)
503021.98 3636075.90 39.05784 (21021621) 503121.98
3636075.90 39.17184 (19050823)
503221.98 3636075.90 41.76795 (21100603) 503321.98
3636075.90 43.03767 (20120224)
503421.98 3636075.90 46.93215 (19072124) 503521.98
3636075.90 44.74673 (21021806)
503621.98 3636075.90 39.46459 (19051020) 503721.98
3636075.90 48.14758 (21041324)
503821.98 3636075.90 38.98835 (21031321) 503921.98

3636075.90   49.37268 (19072224)
        504021.98   3636075.90   45.53132 (19122420)   504121.98
3636075.90   38.82098 (21050322)
        504221.98   3636075.90   38.45827 (21120218)   504321.98
3636075.90   48.85475 (21013118)
        504421.98   3636075.90   36.28327 (19111019)   504521.98
3636075.90   35.33917 (20102221)
        504621.98   3636075.90   33.30171 (19060920)   504721.98
3636075.90   39.00056 (21121422)
        504821.98   3636075.90   35.12747 (21121422)   504921.98
3636075.90   32.48130 (21061321)
        505021.98   3636075.90   36.05023 (21090701)   505121.98
3636075.90   32.85393 (21090701)
        505221.98   3636075.90   34.69502 (21122618)   505321.98
3636075.90   33.13306 (21122618)
        505421.98   3636075.90   23.97341 (20091421)   505521.98
3636075.90   19.81543 (21012617)
        505621.98   3636075.90   24.77694 (19102623)   505721.98
3636075.90   28.11468 (19102623)
        501721.98   3636175.90   24.86552 (21012023)   501821.98
3636175.90   26.21676 (21012023)
        501921.98   3636175.90   24.67897 (20122721)   502021.98
3636175.90   31.90428 (20122721)
        502121.98   3636175.90   28.91102 (19031105)   502221.98
3636175.90   28.08883 (21101802)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKN   ***
                                 INCLUDING SOURCE(S):   L0000910   , L0000911
, L0000912   , L0000913   , L0000914   ,
                L0000915   , L0000916   , L0000917   , L0000918   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502321.98   3636175.90   29.32710 (21121424)   502421.98

3636175.90 35.64968 (21121424)
502521.98 3636175.90 29.71377 (19112801) 502621.98
3636175.90 34.98262 (19121706)
502721.98 3636175.90 38.11364 (19121706) 502821.98
3636175.90 32.71673 (21100523)
502921.98 3636175.90 35.44385 (21021621) 503021.98
3636175.90 35.94226 (21112718)
503121.98 3636175.90 37.64562 (19050823) 503221.98
3636175.90 40.41050 (21100603)
503321.98 3636175.90 44.66236 (20120224) 503421.98
3636175.90 43.14092 (19072124)
503521.98 3636175.90 40.99206 (19051001) 503621.98
3636175.90 38.29900 (19051020)
503721.98 3636175.90 44.03592 (21041324) 503821.98
3636175.90 38.45068 (21031321)
503921.98 3636175.90 45.77404 (19072224) 504021.98
3636175.90 38.78301 (19122420)
504121.98 3636175.90 36.97366 (19050321) 504221.98
3636175.90 36.98331 (21051124)
504321.98 3636175.90 39.82434 (21013118) 504421.98
3636175.90 31.50339 (19111019)
504521.98 3636175.90 25.80879 (20050923) 504621.98
3636175.90 29.45492 (19060406)
504721.98 3636175.90 30.22836 (19061724) 504821.98
3636175.90 30.06142 (21121422)
504921.98 3636175.90 24.92870 (21061321) 505021.98
3636175.90 29.81207 (19010920)
505121.98 3636175.90 33.76711 (21090701) 505221.98
3636175.90 30.88096 (21081602)
505321.98 3636175.90 34.11992 (21122618) 505421.98
3636175.90 31.65123 (21122618)
505521.98 3636175.90 25.05846 (20091421) 505621.98
3636175.90 18.97597 (20091421)
505721.98 3636175.90 21.55868 (19102623) 501721.98
3636275.90 21.90254 (21012023)
501821.98 3636275.90 22.62844 (20122721) 501921.98
3636275.90 29.16706 (20122721)
502021.98 3636275.90 26.61668 (19031105) 502121.98
3636275.90 26.27727 (21101802)
502221.98 3636275.90 26.32037 (19122519) 502321.98
3636275.90 33.91682 (21121424)
502421.98 3636275.90 28.33096 (21121424) 502521.98
3636275.90 32.35342 (19112801)
502621.98 3636275.90 37.15166 (19121706) 502721.98
3636275.90 29.07532 (20040204)
502821.98 3636275.90 30.99240 (20070104) 502921.98
3636275.90 33.73972 (21021621)
503021.98 3636275.90 32.23318 (19050823) 503121.98
3636275.90 34.48305 (19050823)
503221.98 3636275.90 35.14114 (21100603) 503321.98

3636275.90 39.68601 (20120224)
  503421.98 3636275.90 36.77334 (19072124) 503521.98
3636275.90 38.10831 (19051001)
  503621.98 3636275.90 36.65543 (19051020) 503721.98
3636275.90 40.91395 (19072223)
  503821.98 3636275.90 36.08595 (21031321) 503921.98
3636275.90 41.19059 (19072224)
  504021.98 3636275.90 37.53104 (19072224) 504121.98
3636275.90 33.45964 (19070422)
  504221.98 3636275.90 30.59588 (20050822) 504321.98
3636275.90 25.14569 (21013118)
  504421.98 3636275.90 27.20445 (21013118) 504521.98
3636275.90 23.07898 (21070321)
  504621.98 3636275.90 22.52559 (20102221) 504721.98
3636275.90 25.59592 (19110518)
  504821.98 3636275.90 24.04561 (19081721) 504921.98
3636275.90 28.67897 (19032022)
  505021.98 3636275.90 28.39111 (21061321) 505121.98
3636275.90 26.80281 (19010920)
  505221.98 3636275.90 32.06175 (21090701) 505321.98
3636275.90 30.33054 (21081602)
  505421.98 3636275.90 32.37899 (21122618) 505521.98
3636275.90 29.03698 (21122618)
  505621.98 3636275.90 24.19218 (20091421) 505721.98
3636275.90 18.53352 (20091421)
  501721.98 3636375.90 20.91345 (20122721) 501821.98
3636375.90 26.13660 (20122721)
  501921.98 3636375.90 24.32070 (19031105) 502021.98
3636375.90 24.51065 (21101802)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKN ***
INCLUDING SOURCE(S): L0000910 , L0000911 , L0000912 , L0000913 , L0000914 ,
  L0000915 , L0000916 , L0000917 , L0000918 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)

```
Y-COORD (M)        CONC     (YYMMDDHH)
 - - -
```

3636475.90   27.47056 (20070104)
        502821.98   3636475.90   28.90373 (21021621)   502921.98
3636475.90   27.85141 (19070523)
        503021.98   3636475.90   30.28819 (19050823)   503121.98
3636475.90   30.36723 (21100603)
        503221.98   3636475.90   26.41846 (20120224)   503321.98
3636475.90   29.37941 (19072124)
        503421.98   3636475.90   28.96555 (20071122)   503521.98
3636475.90   30.01886 (19051001)
        503621.98   3636475.90   31.23840 (19051020)   503721.98
3636475.90   34.60040 (19072223)
        503821.98   3636475.90   30.20527 (21031321)   503921.98
3636475.90   30.94135 (19072224)
        504021.98   3636475.90   27.80858 (19072224)   504121.98
3636475.90   23.20211 (20020307)
        504221.98   3636475.90   24.08518 (19082724)   504321.98
3636475.90   21.41313 (21071621)
        504421.98   3636475.90   26.61651 (21013118)   504521.98
3636475.90   20.04002 (21070621)
        504621.98   3636475.90   19.88196 (21070321)   504721.98
3636475.90   19.50831 (21071021)
        504821.98   3636475.90   18.81338 (19060920)   504921.98
3636475.90   18.48254 (19112903)
        505021.98   3636475.90   23.63725 (21050522)   505121.98
3636475.90   22.59201 (21061321)
        505221.98   3636475.90   24.00530 (21061321)   505321.98
3636475.90   25.74751 (21090701)
        505421.98   3636475.90   28.13751 (21090701)   505521.98
3636475.90   26.27319 (21081602)
        505621.98   3636475.90   28.05893 (21122618)   505721.98
3636475.90   25.31557 (21122618)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633475.90	10.94515	(19010119)	502771.98	3633475.90	10.43760	(19010119)
502821.98	3633475.90	9.65351	(19010119)	502871.98	3633475.90	13.22279	(21030103)
502921.98	3633475.90	17.74359	(21030103)	502971.98	3633475.90	22.41155	(21030103)
503021.98	3633475.90	26.37521	(21030103)	503071.98	3633475.90	28.63307	(21030103)
503121.98	3633475.90	35.71961	(20121603)	503171.98	3633475.90	41.62917	(20121603)
503221.98	3633475.90	42.59623	(20121603)	503271.98	3633475.90	37.86528	(20121603)
503321.98	3633475.90	85.49457	(20092124)	503371.98	3633475.90	72.70223	(20090205)
503421.98	3633475.90	77.56468	(20111701)	503471.98	3633475.90	71.07854	(20111701)
503521.98	3633475.90	75.78968	(19081924)	503621.98	3633475.90	81.45549	(19101521)
503671.98	3633475.90	61.16445	(19091221)	503721.98	3633475.90	67.07387	(21020203)
503771.98	3633475.90	61.19187	(20032924)	503821.98	3633475.90	71.94065	(20082921)
503871.98	3633475.90	61.82976	(20081802)	503921.98	3633475.90	69.00624	(20022622)
503971.98	3633475.90	69.22283	(21013120)	504021.98	3633475.90	65.72733	(19102905)
504071.98	3633475.90	67.47722	(20022403)	504121.98	3633475.90	66.99517	(21011620)
504171.98	3633475.90	64.48870	(21013021)	504221.98	3633475.90	63.05865	(21120723)
504271.98	3633475.90	59.13891	(20112022)	504321.98	3633475.90	60.71226	(21011323)
504371.98	3633475.90	59.13295	(20011902)	504421.98	3633475.90	59.00081	(19022705)
504471.98	3633475.90	57.41613	(20121007)	504521.98	3633475.90	55.31404	(19121906)
504571.98	3633475.90	53.88573	(19122301)	504621.98	3633475.90	51.60826	(20122923)
504671.98	3633475.90	49.09574	(21022502)	504721.98	3633475.90	48.55243	(21022502)
502721.98	3633525.90	12.09069	(19010119)	502771.98	3633525.90	11.92560	(19010119)
502821.98	3633525.90	11.42530	(19010119)	502871.98	3633525.90	10.60800	(19010119)
502921.98	3633525.90	14.60429	(21030103)	502971.98			

3633525.90   19.72210 (21030103)
        503021.98   3633525.90   24.91851 (21030103)   503071.98
3633525.90   29.13091 (21030103)
        503121.98   3633525.90   32.01960 (20121603)   503171.98
3633525.90   40.93061 (20121603)
        503221.98   3633525.90   46.01733 (20121603)   503271.98
3633525.90   44.70220 (20121603)
        503321.98   3633525.90   37.68324 (21063005)   503371.98
3633525.90   86.83830 (20092124)
        503421.98   3633525.90   78.74834 (20111701)   503471.98
3633525.90   86.93322 (20111701)
        503521.98   3633525.90   87.02725 (19081924)   503621.98
3633525.90   92.78097 (19101521)
        503671.98   3633525.90   79.75215 (21090401)   503721.98
3633525.90   87.02594 (20050102)
        503771.98   3633525.90   72.77931 (20082921)   503821.98
3633525.90   82.74950 (20082921)
        503871.98   3633525.90   72.35474 (20081802)   503921.98
3633525.90   77.02872 (20022622)
        503971.98   3633525.90   73.83379 (21011302)   504021.98
3633525.90   71.41730 (19102905)
        504071.98   3633525.90   72.53723 (20022403)   504121.98
3633525.90   73.50483 (21013021)
        504171.98   3633525.90   70.44784 (20073022)   504221.98
3633525.90   68.96009 (20073020)
        504271.98   3633525.90   65.07955 (21011323)   504321.98
3633525.90   64.30787 (21010102)
        504371.98   3633525.90   61.00178 (19022705)   504421.98
3633525.90   62.57972 (21021820)
        504471.98   3633525.90   61.25834 (21011520)   504521.98
3633525.90   58.10851 (21010522)
        504571.98   3633525.90   55.70499 (20122923)   504621.98
3633525.90   52.14022 (21022502)
        504671.98   3633525.90   51.91467 (21022502)   504721.98
3633525.90   49.82008 (20021702)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                    INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633575.90	14.21181	(21111004)	502771.98	3633575.90	13.11430	(19010119)
502821.98	3633575.90	13.04714	(19010119)	502871.98	3633575.90	12.58345	(19010119)
502921.98	3633575.90	11.70484	(19010119)	502971.98	3633575.90	16.20983	(21030103)
503021.98	3633575.90	22.03518	(21030103)	503071.98	3633575.90	27.83610	(21030103)
503121.98	3633575.90	32.25492	(21030103)	503171.98	3633575.90	37.59757	(20121603)
503221.98	3633575.90	46.75292	(20121603)	503271.98	3633575.90	50.27697	(20121603)
503321.98	3633575.90	45.90105	(20121603)	503371.98	3633575.90	87.97319	(20092124)
503421.98	3633575.90	73.18934	(20082723)	503471.98	3633575.90	90.54412	(20082723)
503521.98	3633575.90	106.17976	(19081924)	503621.98	3633575.90	99.23190	(19110606)
503671.98	3633575.90	95.47880	(21090401)	503721.98	3633575.90	101.52990	(20050102)
503771.98	3633575.90	86.94578	(21020203)	503821.98	3633575.90	103.14077	(20082921)
503871.98	3633575.90	86.21317	(20032501)	503921.98	3633575.90	90.23968	(20022622)
503971.98	3633575.90	81.23274	(21011302)	504021.98	3633575.90	80.14419	(21022205)
504071.98	3633575.90	77.22863	(21011620)	504121.98	3633575.90	84.99423	(21013021)
504171.98	3633575.90	77.67154	(21120723)	504221.98	3633575.90	77.04031	(20073020)
504271.98	3633575.90	67.98484	(21011323)	504321.98	3633575.90	67.96457	(20011902)
504371.98	3633575.90	67.33589	(21021820)	504421.98	3633575.90	66.88170	(21011520)
504471.98	3633575.90	63.56470	(21010522)	504521.98	3633575.90	60.41864	(20122923)
504571.98	3633575.90	55.66771	(21022502)	504621.98	3633575.90	55.65770	(21022502)
504671.98	3633575.90	54.20160	(20021702)	504721.98	3633575.90	53.43207	(20020804)
502721.98	3633625.90	17.12906	(21111004)	502771.98			

```
3633625.90       16.10282  (21111004)
        502821.98   3633625.90       14.58146  (21111004)                502871.98
3633625.90       14.32165  (19010119)
        502921.98   3633625.90       13.88625  (19010119)                502971.98
3633625.90       12.98458  (19010119)
        503021.98   3633625.90       18.10226  (21030103)                503071.98
3633625.90       24.75803  (21030103)
        503121.98   3633625.90       31.23195  (21030103)                503171.98
3633625.90       35.84475  (21030103)
        503221.98   3633625.90       44.23537  (20121603)                503271.98
3633625.90       53.06791  (20121603)
        503321.98   3633625.90       53.98524  (20121603)                503371.98
3633625.90       45.69346  (20121603)
        503421.98   3633625.90       85.76342  (20092124)                503471.98
3633625.90       89.38311  (20082723)
        503521.98   3633625.90       96.54474  (19081924)                503621.98
3633625.90      106.18196  (19110606)
        503671.98   3633625.90      103.87211  (19101521)                503721.98
3633625.90      109.99098  (20050102)
        503771.98   3633625.90       96.11615  (20082503)                503821.98
3633625.90      116.26881  (20082921)
        503871.98   3633625.90       92.81252  (20032501)                503921.98
3633625.90       96.26455  (21013120)
        503971.98   3633625.90       93.22593  (19102905)                504021.98
3633625.90       91.65074  (20081021)
        504071.98   3633625.90       86.18299  (21013021)                504121.98
3633625.90       91.33448  (20073022)
        504171.98   3633625.90       89.44114  (20073020)                504221.98
3633625.90       84.05183  (21011323)
        504271.98   3633625.90       74.91745  (21010102)                504321.98
3633625.90       71.63585  (19022705)
        504371.98   3633625.90       70.33790  (21011520)                504421.98
3633625.90       68.32901  (21010522)
        504471.98   3633625.90       65.91341  (20122923)                504521.98
3633625.90       60.21756  (20100121)
        504571.98   3633625.90       59.63429  (21022502)                504621.98
3633625.90       58.76409  (20021702)
        504671.98   3633625.90       56.84869  (20020804)                504721.98
3633625.90       54.65695  (21012402)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 734
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FORKS    ***
                                  INCLUDING SOURCE(S):     L0000919    , L0000920
```

, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502721.98   3633675.90   19.44800 (21111004)   502771.98
3633675.90   19.18030 (21111004)
        502821.98   3633675.90   18.27567 (21111004)   502871.98
3633675.90   16.74961 (21111004)
        502921.98   3633675.90   15.81151 (19010119)   502971.98
3633675.90   15.45427 (19010119)
        503021.98   3633675.90   14.50718 (19010119)   503071.98
3633675.90   20.32169 (21030103)
        503121.98   3633675.90   28.00734 (21030103)   503171.98
3633675.90   35.28615 (21030103)
        503221.98   3633675.90   39.96410 (21030103)   503271.98
3633675.90   52.03301 (20121603)
        503321.98   3633675.90   59.67265 (20121603)   503371.98
3633675.90   56.82486 (20121603)
        503421.98   3633675.90   49.38165 (21063005)   503471.98
3633675.90   53.47106 (20102407)
        503521.98   3633675.90   81.25821 (20111701)   503571.98
3633675.90   136.66710 (19081924)
        503671.98   3633675.90   115.75841 (19101521)   503721.98
3633675.90   118.25991 (20050102)
        503771.98   3633675.90   120.18398 (20082503)   503821.98
3633675.90   127.40357 (20082921)
        503871.98   3633675.90   103.88777 (19032124)   503921.98
3633675.90   111.65849 (21013120)
        503971.98   3633675.90   108.17631 (19102905)   504021.98
3633675.90   103.34240 (20081021)
        504071.98   3633675.90   107.50896 (21013021)   504121.98
3633675.90   99.41485 (21120723)
        504171.98   3633675.90   94.78090 (20073020)   504221.98
3633675.90   94.41237 (21010102)
        504271.98   3633675.90   87.61737 (20080120)   504321.98
3633675.90   75.31716 (20121007)
        504371.98   3633675.90   72.03377 (19121906)   504421.98
3633675.90   70.63766 (20122923)
        504471.98   3633675.90   65.26238 (20100121)   504521.98
3633675.90   64.60915 (19120104)
        504571.98   3633675.90   63.72068 (20021702)   504621.98

3633675.90   60.68200 (20020804)
        504671.98   3633675.90   58.77960 (21012402)   504721.98
3633675.90   56.90266 (20111118)
        502721.98   3633725.90   20.67856 (21111004)   502771.98
3633725.90   21.40733 (21111004)
        502821.98   3633725.90   21.47166 (21111004)   502871.98
3633725.90   20.80803 (21111004)
        502921.98   3633725.90   19.38070 (21111004)   502971.98
3633725.90   17.55280 (19010119)
        503021.98   3633725.90   17.24992 (19010119)   503071.98
3633725.90   16.28960 (19010119)
        503121.98   3633725.90   23.00289 (21030103)   503171.98
3633725.90   31.95039 (21030103)
        503221.98   3633725.90   40.13432 (21030103)   503271.98
3633725.90   46.62442 (20121603)
        503321.98   3633725.90   61.05422 (20121603)   503371.98
3633725.90   66.21527 (20121603)
        503421.98   3633725.90   57.91677 (20121603)   503471.98
3633725.90   55.63173 (20102407)
        503521.98   3633725.90   59.80968 (20102407)   503571.98
3633725.90   108.67661 (19081924)
        503721.98   3633725.90   146.58497 (21090401)   503771.98
3633725.90   140.04634 (20082503)
        503821.98   3633725.90   135.11554 (20082921)   503871.98
3633725.90   120.08930 (20022622)
        503921.98   3633725.90   124.24009 (21013120)   503971.98
3633725.90   117.92186 (19102905)
        504021.98   3633725.90   111.00267 (21011620)   504071.98
3633725.90   114.91686 (21013021)
        504121.98   3633725.90   110.24211 (20073020)   504171.98
3633725.90   109.46516 (21011323)
        504221.98   3633725.90   103.98443 (20011902)   504271.98
3633725.90   100.88670 (21021820)
        504321.98   3633725.90   82.05206 (19121906)   504371.98
3633725.90   76.25884 (19122301)
        504421.98   3633725.90   70.28725 (20100121)   504471.98
3633725.90   70.49531 (19120104)
        504521.98   3633725.90   69.32201 (20021702)   504571.98
3633725.90   66.10375 (20081803)
        504621.98   3633725.90   69.43885 (20081803)   504671.98
3633725.90   66.13224 (20111118)
        504721.98   3633725.90   60.60624 (20082222)   502721.98
3633775.90   20.44987 (21111004)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***

INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502771.98	3633775.90	22.20922	(21111004)	502821.98	3633775.90	23.46927	(21111004)
502871.98	3633775.90	24.03257	(21111004)	502921.98	3633775.90	23.75627	(21111004)
502971.98	3633775.90	22.47058	(21111004)	503021.98	3633775.90	20.17187	(21111004)
503071.98	3633775.90	19.44707	(19010119)	503121.98	3633775.90	18.45904	(19010119)
503171.98	3633775.90	26.26729	(21030103)	503221.98	3633775.90	36.77873	(21030103)
503271.98	3633775.90	45.95167	(21030103)	503321.98	3633775.90	56.76286	(20121603)
503371.98	3633775.90	71.18687	(20121603)	503421.98	3633775.90	71.77850	(20121603)
503471.98	3633775.90	60.77317	(21063005)	503771.98	3633775.90	165.32675	(20082503)
503821.98	3633775.90	143.45315	(20082921)	503871.98	3633775.90	140.93611	(20022622)
503921.98	3633775.90	134.50512	(21011302)	503971.98	3633775.90	125.89823	(19121107)
504021.98	3633775.90	130.31667	(21013021)	504071.98	3633775.90	131.24485	(21120723)
504121.98	3633775.90	121.14485	(21011323)	504171.98	3633775.90	123.75148	(21010102)
504221.98	3633775.90	117.15916	(19022705)	504271.98	3633775.90	109.21317	(21011520)
504321.98	3633775.90	91.94968	(19122301)	504371.98	3633775.90	83.66352	(20080623)
504421.98	3633775.90	78.84928	(19120104)	504471.98	3633775.90	79.24587	(20081805)
504521.98	3633775.90	83.27194	(20081803)	504571.98	3633775.90	83.18364	(20081803)
504621.98	3633775.90	77.46779	(20111118)	504671.98			

```
3633775.90       75.36327  (21011418)
        504721.98   3633775.90       70.41443  (21011418)                502721.98
3633825.90       18.70392  (21111004)
        502771.98   3633825.90       21.27648  (21111004)                502821.98
3633825.90       23.66399  (21111004)
        502871.98   3633825.90       25.60883  (21111004)                502921.98
3633825.90       26.88855  (21111004)
        502971.98   3633825.90       27.13007  (21111004)                503021.98
3633825.90       26.13595  (21111004)
        503071.98   3633825.90       23.86123  (21111004)                503121.98
3633825.90       22.05650  (19010119)
        503171.98   3633825.90       21.13411  (19010119)                503221.98
3633825.90       30.31773  (21030103)
        503271.98   3633825.90       42.82146  (21030103)                503771.98
3633825.90      197.24142  (20082503)
        503821.98   3633825.90      172.22886  (20080822)                503871.98
3633825.90      159.74026  (20022622)
        503921.98   3633825.90      143.53782  (19102905)                503971.98
3633825.90      143.10676  (20022403)
        504021.98   3633825.90      156.27362  (21013021)                504071.98
3633825.90      135.61897  (19033021)
        504121.98   3633825.90      138.36676  (21011323)                504171.98
3633825.90      135.35384  (19022705)
        504221.98   3633825.90      130.95958  (21011520)                504271.98
3633825.90      121.16018  (19122301)
        504321.98   3633825.90      105.75999  (19022722)                504371.98
3633825.90      102.00543  (19120104)
        504421.98   3633825.90      105.81292  (20081805)                504471.98
3633825.90      101.63134  (20081803)
        504521.98   3633825.90       92.52138  (20111118)                504571.98
3633825.90       91.00308  (20082222)
        504621.98   3633825.90       88.46963  (21011418)                504671.98
3633825.90       76.61002  (21011418)
        504721.98   3633825.90       66.32738  (20081722)                502721.98
3633875.90       18.96184  (21012320)
        502771.98   3633875.90       18.67681  (21111004)                502821.98
3633875.90       21.81523  (21111004)
        502871.98   3633875.90       24.91300  (21111004)                502921.98
3633875.90       27.78330  (21111004)
        502971.98   3633875.90       29.90071  (21111004)                503021.98
3633875.90       30.94291  (21111004)
        503071.98   3633875.90       30.55160  (21111004)                503121.98
3633875.90       28.44859  (21111004)
        503171.98   3633875.90       25.24608  (19010119)                503221.98
3633875.90       24.44875  (19010119)
        503271.98   3633875.90       35.40044  (21030103)                503821.98
3633875.90      194.27623  (21082504)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 ,
L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503871.98	3633875.90	176.27900	(20022622)	503921.98	3633875.90	167.52759	(19102905)
503971.98	3633875.90	192.82727	(20032321)	504021.98	3633875.90	174.05803	(19033021)
504071.98	3633875.90	154.84810	(21011323)	504121.98	3633875.90	152.96269	(20011902)
504171.98	3633875.90	146.31148	(21021820)	504221.98	3633875.90	139.68591	(21010522)
504271.98	3633875.90	125.40709	(20122923)	504321.98	3633875.90	119.60151	(19120104)
504371.98	3633875.90	131.49171	(20081805)	504421.98	3633875.90	122.11574	(20081803)
504471.98	3633875.90	104.85713	(20111118)	504521.98	3633875.90	104.12571	(20082222)
504571.98	3633875.90	98.81810	(21011418)	504621.98	3633875.90	82.14693	(21011022)
504671.98	3633875.90	73.10960	(21122302)	504721.98	3633875.90	70.77307	(21011724)
502721.98	3633925.90	26.47098	(21012320)	502771.98	3633925.90	24.89946	(21012320)
502821.98	3633925.90	22.75364	(21012320)	502871.98	3633925.90	21.95273	(21111004)
502921.98	3633925.90	25.90294	(21111004)	502971.98	3633925.90	29.69190	(21111004)
503021.98	3633925.90	32.98577	(21111004)	503071.98	3633925.90	35.22304	(21111004)
503121.98	3633925.90	35.77290	(21111004)	503171.98	3633925.90	34.17982	(21111004)
503221.98	3633925.90	30.28988	(21111004)	503271.98			

3633925.90 28.59022 (19010119)
503821.98 3633925.90 208.07396 (21082504) 503871.98
3633925.90 194.19907 (21013120)
503921.98 3633925.90 187.07987 (21022205) 503971.98
3633925.90 207.81103 (20032321)
504021.98 3633925.90 207.10777 (19033021) 504071.98
3633925.90 169.51655 (21010102)
504121.98 3633925.90 166.84128 (21021820) 504171.98
3633925.90 156.89592 (21010522)
504221.98 3633925.90 152.35981 (21060824) 504271.98
3633925.90 154.88203 (20081805)
504321.98 3633925.90 172.61072 (20081805) 504371.98
3633925.90 152.90677 (20081803)
504421.98 3633925.90 130.88166 (20081603) 504471.98
3633925.90 120.87043 (20081603)
504521.98 3633925.90 102.51641 (21011418) 504571.98
3633925.90 89.76230 (21122302)
504621.98 3633925.90 83.93606 (21011724) 504671.98
3633925.90 78.05196 (21021921)
504721.98 3633925.90 72.79246 (21011221) 502721.98
3633975.90 32.71130 (21012320)
502771.98 3633975.90 32.64005 (21012320) 502821.98
3633975.90 31.82552 (21012320)
502871.98 3633975.90 30.32054 (21012320) 502921.98
3633975.90 27.89924 (21012320)
502971.98 3633975.90 26.25973 (21111004) 503021.98
3633975.90 31.24256 (21111004)
503071.98 3633975.90 36.00465 (21111004) 503121.98
3633975.90 39.86018 (21111004)
503171.98 3633975.90 41.92538 (21111004) 503221.98
3633975.90 41.34892 (21111004)
503271.98 3633975.90 37.60205 (21111004) 503821.98
3633975.90 207.39025 (21082504)
503871.98 3633975.90 208.04423 (21013120) 503921.98
3633975.90 138.50454 (21022105)
503971.98 3633975.90 176.77965 (21120723) 504021.98
3633975.90 186.10658 (21060903)
504071.98 3633975.90 182.51981 (19022705) 504121.98
3633975.90 172.85612 (21011520)
504171.98 3633975.90 181.83943 (21060824) 504221.98
3633975.90 198.37951 (20081805)
504271.98 3633975.90 210.09659 (20081805) 504321.98
3633975.90 185.88382 (20081803)
504371.98 3633975.90 163.17642 (20081603) 504421.98
3633975.90 134.52684 (20081603)
504471.98 3633975.90 109.91330 (20021024) 504521.98
3633975.90 98.03889 (21011724)
504571.98 3633975.90 91.34581 (21021921) 504621.98
3633975.90 84.18514 (21011221)
504671.98 3633975.90 78.11777 (20121406) 504721.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920 , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634025.90 100.52402 (21011221)
504571.98 3634025.90 92.04847 (20121406) 504621.98
3634025.90 81.57449 (20021723)
504671.98 3634025.90 76.50842 (19011606) 504721.98
3634025.90 72.12250 (20081804)
502721.98 3634075.90 33.46177 (21012320) 502771.98
3634075.90 36.89837 (21012320)
502821.98 3634075.90 40.38174 (21012320) 502871.98
3634075.90 43.70349 (21012320)
502921.98 3634075.90 46.39817 (21012320) 502971.98
3634075.90 48.18846 (21012320)
503021.98 3634075.90 48.83280 (21012320) 503071.98
3634075.90 47.70865 (21012320)
503121.98 3634075.90 44.59030 (21012320) 503171.98
3634075.90 40.36959 (21111004)
503221.98 3634075.90 49.21671 (21111004) 503271.98
3634075.90 57.03553 (21111004)
503871.98 3634075.90 204.63252 (21022105) 503921.98
3634075.90 175.68963 (20050805)
503971.98 3634075.90 191.98585 (21120804) 504021.98
3634075.90 214.80222 (21011520)
504071.98 3634075.90 203.29284 (20122923) 504121.98
3634075.90 283.78639 (20081805)
504171.98 3634075.90 311.47388 (20081803) 504221.98
3634075.90 290.58470 (20081603)
504271.98 3634075.90 238.67182 (20081603) 504321.98
3634075.90 166.34211 (20080121)
504371.98 3634075.90 144.32787 (21021921) 504421.98
3634075.90 127.11115 (21011221)
504471.98 3634075.90 111.47255 (20121406) 504521.98
3634075.90 98.67898 (20021723)
504571.98 3634075.90 90.98955 (20081804) 504621.98
3634075.90 82.59573 (19121305)
504671.98 3634075.90 77.54186 (19121305) 504721.98
3634075.90 70.66017 (19011923)
502721.98 3634125.90 27.11017 (21012320) 502771.98
3634125.90 31.07660 (21012320)
502821.98 3634125.90 35.63214 (21012320) 502871.98
3634125.90 40.66853 (21012320)
502921.98 3634125.90 45.79155 (21012320) 502971.98
3634125.90 50.96095 (21012320)
503021.98 3634125.90 55.90369 (21012320) 503071.98
3634125.90 59.84527 (21012320)
503121.98 3634125.90 62.25531 (21012320) 503171.98
3634125.90 62.32763 (21012320)
503221.98 3634125.90 59.03323 (21012320) 503271.98
3634125.90 52.66606 (21111004)
503921.98 3634125.90 234.47692 (21022020) 503971.98
3634125.90 222.47885 (21022623)
504021.98 3634125.90 198.71418 (21022802) 504071.98

3634125.90   299.34081 (20081805)
        504121.98   3634125.90   248.94152 (20081803)   504171.98
3634125.90   314.61315 (20081603)
        504221.98   3634125.90   225.36379 (20080121)   504271.98
3634125.90   219.33831 (20080721)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3634175.90      265.24407  (21021721)
        504021.98   3634175.90      230.02630  (20021603)              504071.98
3634175.90      205.75116  (21020424)
        504121.98   3634175.90      177.49120  (20021502)              504171.98
3634175.90      164.19246  (19012124)
        504221.98   3634175.90      209.18082  (21040622)              504271.98
3634175.90      212.75336  (21040622)
        504321.98   3634175.90      211.94506  (21081123)              504371.98
3634175.90      164.15871  (19121305)
        504421.98   3634175.90      122.32557  (20082223)              504471.98
3634175.90      105.79172  (19012803)
        504521.98   3634175.90       97.66330  (21121821)              504571.98
3634175.90       91.33750  (20121224)
        504621.98   3634175.90       85.21009  (20020703)              504671.98
3634175.90       79.39151  (20020703)
        504721.98   3634175.90       72.86234  (21022324)              502721.98
3634225.90       31.10871  (19083104)
        502771.98   3634225.90       33.26570  (19083104)              502821.98
3634225.90       35.53920  (19083104)
        502871.98   3634225.90       37.87050  (19083104)              502921.98
3634225.90       40.17764  (19083104)
        502971.98   3634225.90       42.52036  (19083104)              503021.98
3634225.90       44.84003  (19083104)
        503071.98   3634225.90       46.87575  (19083104)              503121.98
3634225.90       55.20330  (21012320)
        503171.98   3634225.90       66.97675  (21012320)              503221.98
3634225.90       80.38643  (21012320)
        503271.98   3634225.90       94.97529  (21012320)              504071.98
3634225.90      241.04448  (19012124)
        504121.98   3634225.90      203.87852  (21022221)              504171.98
3634225.90      177.87863  (21020122)
        504221.98   3634225.90      154.60614  (21020122)              504271.98
3634225.90      220.87295  (20081502)
        504321.98   3634225.90      223.45645  (20073101)              504371.98
3634225.90      148.24693  (21121821)
        504421.98   3634225.90      117.12789  (20121224)              504471.98
3634225.90      106.65216  (20020703)
        504521.98   3634225.90       91.52093  (21022324)              504571.98
3634225.90       91.78611  (21122121)
        504621.98   3634225.90       89.15337  (21122121)              504671.98
3634225.90       84.72719  (20121803)
        504721.98   3634225.90       80.22790  (20121803)              502721.98
3634275.90       28.65134  (19083104)
        502771.98   3634275.90       31.21603  (19083104)              502821.98
3634275.90       34.13602  (19083104)
        502871.98   3634275.90       37.45267  (19083104)              502921.98
3634275.90       40.93491  (19083104)
        502971.98   3634275.90       44.83876  (19083104)              503021.98
3634275.90       49.35279  (19083104)
        503071.98   3634275.90       54.22069  (19083104)              503121.98
```

3634275.90   59.53148 (19083104)
        503171.98   3634275.90   65.28390 (19083104)   503221.98
3634275.90   71.29668 (19083104)
        503271.98   3634275.90   77.48476 (19083104)   504121.98
3634275.90   222.69426 (21010422)
        504171.98   3634275.90   187.59400 (21022220)   504221.98
3634275.90   258.95070 (20090623)
        504271.98   3634275.90   239.96795 (20080102)   504321.98
3634275.90   223.79822 (20081301)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504371.98   3634275.90   164.19620 (21122121)   504421.98
3634275.90   127.88755 (20121803)
        504471.98   3634275.90   111.37767 (20121803)   504521.98
3634275.90   102.35207 (21122201)
        504571.98   3634275.90   94.79685 (19021906)   504621.98
3634275.90   88.88761 (19021906)
        504671.98   3634275.90   81.48465 (20031603)   504721.98
3634275.90   76.55929 (20031603)
        502721.98   3634325.90   23.31305 (20022619)   502771.98
3634325.90   24.90276 (20022619)
        502821.98   3634325.90   27.24555 (19083104)   502871.98
3634325.90   30.60617 (19083104)
        502971.98   3634325.90   37.90751 (19083104)   503021.98
3634325.90   42.65395 (19083104)
        503071.98   3634325.90   48.22489 (19083104)   503121.98
3634325.90   54.77707 (19083104)
        503171.98   3634325.90   62.65112 (19083104)   503221.98

```
3634325.90       72.15767  (19083104)
        503271.98   3634325.90       83.81708  (19083104)                504171.98
3634325.90      193.72365  (21020307)
        504221.98   3634325.90      274.93845  (20073024)                504271.98
3634325.90      233.54766  (20073024)
        504321.98   3634325.90      223.48778  (20073024)                504371.98
3634325.90      176.04951  (20013123)
        504421.98   3634325.90      135.71346  (20013123)                504471.98
3634325.90      111.84855  (20013123)
        504521.98   3634325.90       98.93302  (20013123)                504571.98
3634325.90       94.20443  (21013019)
        504621.98   3634325.90       88.67322  (21013019)                504671.98
3634325.90       83.09984  (21013019)
        504721.98   3634325.90       77.67716  (21013019)                502721.98
3634375.90       32.64128  (21021102)
        502771.98   3634375.90       35.06894  (21021102)                502821.98
3634375.90       37.66350  (21021102)
        503021.98   3634375.90       52.87273  (21021102)                503071.98
3634375.90       58.36861  (21021102)
        503121.98   3634375.90       64.54424  (21021102)                503171.98
3634375.90       71.84308  (21021102)
        503221.98   3634375.90       80.83605  (21021102)                503271.98
3634375.90       91.92598  (21021102)
        504221.98   3634375.90      335.31145  (20082306)                504271.98
3634375.90      303.90774  (20082306)
        504321.98   3634375.90      267.83981  (20082306)                504371.98
3634375.90      219.95901  (20082306)
        504421.98   3634375.90      139.70786  (20082306)                504471.98
3634375.90      115.86530  (21021007)
        504521.98   3634375.90      108.47961  (21021007)                504571.98
3634375.90      101.11658  (21021007)
        504621.98   3634375.90       93.55048  (21021007)                504671.98
3634375.90       86.86057  (21021007)
        504721.98   3634375.90       80.94215  (21021007)                502721.98
3634425.90       39.01948  (21021102)
        502771.98   3634425.90       41.81188  (21021102)                502821.98
3634425.90       44.93261  (21021102)
        504271.98   3634425.90      135.52448  (21011518)                504321.98
3634425.90      185.42945  (20082304)
        504371.98   3634425.90      174.16691  (20082306)                504421.98
3634425.90      129.34983  (20041201)
        504471.98   3634425.90      109.00359  (20011720)                504521.98
3634425.90      102.48830  (20011720)
        504571.98   3634425.90       94.47847  (20011720)                504621.98
3634425.90       86.99647  (20011720)
        504671.98   3634425.90       80.73541  (20011720)                504721.98
3634425.90       75.15238  (20011720)
        502721.98   3634475.90       38.33025  (21021102)                502771.98
3634475.90       40.68088  (21021102)
        502821.98   3634475.90       43.14318  (21021102)                504321.98
```

3634475.90   104.81906 (21101422)
        504371.98   3634475.90   118.20994 (21090306)   504421.98
3634475.90   135.95168 (20041201)
        504471.98   3634475.90   138.86757 (20041201)   504521.98
3634475.90   120.76444 (20041201)
        504571.98   3634475.90   109.62135 (20041201)   504621.98
3634475.90   100.36512 (20041201)
        504671.98   3634475.90   84.06113 (20041201)   504721.98
3634475.90   70.66458 (20041201)
        502721.98   3634525.90   30.72149 (21021102)   502771.98
3634525.90   31.65105 (21021102)
        504371.98   3634525.90   97.66065 (21020220)   504421.98
3634525.90   87.09431 (21020220)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                    INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634575.90 97.79317 (20081806)
504721.98 3634575.90 91.57137 (20081806) 502721.98
3634625.90 34.62501 (19050903)
502771.98 3634625.90 36.98125 (19050903) 502821.98
3634625.90 39.31030 (19050903)
502871.98 3634625.90 41.36698 (19050903) 502921.98
3634625.90 43.05187 (19050903)
502971.98 3634625.90 44.23088 (19050903) 503021.98
3634625.90 44.67439 (19050903)
503071.98 3634625.90 44.14024 (19050903) 503121.98
3634625.90 44.75592 (20021724)
504471.98 3634625.90 54.36074 (20082303) 504521.98
3634625.90 53.10089 (21020220)
504571.98 3634625.90 53.85658 (21020220) 504621.98
3634625.90 109.70370 (20082303)
504671.98 3634625.90 92.10296 (20082303) 504721.98
3634625.90 83.15959 (21012820)
502721.98 3634675.90 32.45711 (19050903) 502771.98
3634675.90 33.21076 (19050903)
502821.98 3634675.90 33.59892 (19050903) 502871.98
3634675.90 33.46010 (19050903)
502921.98 3634675.90 32.71766 (19050903) 502971.98
3634675.90 31.78690 (19120120)
503021.98 3634675.90 39.41250 (20021724) 503071.98
3634675.90 48.26386 (20021724)
503121.98 3634675.90 58.28987 (21011719) 503171.98
3634675.90 83.05410 (21011719)
503221.98 3634675.90 106.06837 (21011719) 503271.98
3634675.90 116.31820 (21011719)
503321.98 3634675.90 106.15090 (20022207) 503371.98
3634675.90 130.73000 (20022207)
503421.98 3634675.90 138.87127 (21012023) 503471.98
3634675.90 142.21286 (21012023)
503521.98 3634675.90 153.02781 (20040823) 504521.98
3634675.90 37.10702 (20082303)
504571.98 3634675.90 40.05981 (20082303) 504621.98
3634675.90 41.07655 (20082303)
504671.98 3634675.90 40.39759 (20082303) 504721.98
3634675.90 97.35551 (20082303)
502721.98 3634725.90 26.04733 (19050903) 502771.98
3634725.90 25.32122 (19050903)
502821.98 3634725.90 24.70209 (19120120) 502871.98
3634725.90 28.78725 (20021724)
502921.98 3634725.90 34.86226 (20021724) 502971.98
3634725.90 41.44609 (20021724)
503021.98 3634725.90 49.73586 (21011719) 503071.98
3634725.90 67.75998 (21011719)
503121.98 3634725.90 84.35194 (21011719) 503171.98
3634725.90 93.08356 (21011719)
503221.98 3634725.90 88.13378 (21011719) 503271.98

3634725.90   97.17294 (20022207)
        503321.98   3634725.90   109.14643 (20022207)   503371.98
3634725.90   115.55117 (21012023)
        503421.98   3634725.90   112.23908 (21012023)   503471.98
3634725.90   124.57739 (20040823)
        503521.98   3634725.90   136.50123 (21121424)   503571.98
3634725.90   145.68265 (19121706)
        503621.98   3634725.90   119.69036 (19020322)   504571.98
3634725.90   22.80510 (20082303)
        504621.98   3634725.90   26.67896 (20082303)   504671.98
3634725.90   29.73950 (20082303)
        504721.98   3634725.90   31.69176 (20082303)   502721.98
3634775.90   22.04984 (19120120)
        502771.98   3634775.90   26.17173 (20021724)   502821.98
3634775.90   30.96724 (20021724)
        502871.98   3634775.90   35.99358 (20021724)   502921.98
3634775.90   43.04896 (21011719)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                   INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634775.90 103.59533 (20040823)
503471.98 3634775.90 113.99749 (21121424) 503521.98
3634775.90 119.97195 (19121706)
503571.98 3634775.90 107.90307 (19121706) 503621.98
3634775.90 100.13362 (19020322)
503671.98 3634775.90 138.52496 (20120224) 503721.98
3634775.90 162.35815 (21021806)
503771.98 3634775.90 173.83651 (21012024) 503821.98
3634775.90 122.85677 (21012024)
504621.98 3634775.90 14.46910 (20092620) 504671.98
3634775.90 16.57657 (20082303)
504721.98 3634775.90 19.64289 (20082303) 502721.98
3634825.90 27.69669 (20021724)
502771.98 3634825.90 31.61688 (20021724) 502821.98
3634825.90 37.70725 (21011719)
502871.98 3634825.90 48.40678 (21011719) 502921.98
3634825.90 58.09281 (21011719)
502971.98 3634825.90 64.14281 (21011719) 503021.98
3634825.90 63.98603 (21011719)
503071.98 3634825.90 56.52208 (21011719) 503121.98
3634825.90 68.63248 (20022207)
503171.98 3634825.90 76.03117 (20022207) 503221.98
3634825.90 76.56515 (21012023)
503271.98 3634825.90 82.40628 (21012023) 503321.98
3634825.90 76.27005 (20040823)
503371.98 3634825.90 87.78679 (20040823) 503421.98
3634825.90 96.20748 (21121424)
503471.98 3634825.90 97.35552 (19121706) 503521.98
3634825.90 100.33822 (19121706)
503571.98 3634825.90 86.20992 (19020322) 503621.98
3634825.90 92.68529 (20120224)
503671.98 3634825.90 121.31601 (20120224) 503721.98
3634825.90 137.40409 (21021806)
503771.98 3634825.90 148.99342 (21012024) 503821.98
3634825.90 109.13087 (21012024)
503871.98 3634825.90 80.55140 (21041323) 503921.98
3634825.90 115.26300 (21013118)
504671.98 3634825.90 14.68400 (21071520) 504721.98
3634825.90 12.27262 (20092620)
502721.98 3634875.90 33.35263 (21011719) 502771.98
3634875.90 41.93397 (21011719)
502821.98 3634875.90 49.68608 (21011719) 502871.98
3634875.90 54.77686 (21011719)
502921.98 3634875.90 55.46015 (21011719) 502971.98
3634875.90 50.73789 (21011719)
503021.98 3634875.90 54.68492 (20022207) 503071.98
3634875.90 62.92599 (20022207)
503121.98 3634875.90 66.39740 (20022207) 503171.98
3634875.90 68.27747 (21012023)
503221.98 3634875.90 70.80696 (21012023) 503271.98

3634875.90   66.47432 (20040823)
        503321.98   3634875.90   75.64895 (20040823)   503371.98
3634875.90   82.14808 (21121424)
        503421.98   3634875.90   79.94679 (21121424)   503471.98
3634875.90   89.30462 (19121706)
        503521.98   3634875.90   74.26483 (19121706)   503571.98
3634875.90   74.29877 (19020322)
        503621.98   3634875.90   92.29466 (20120224)   503671.98
3634875.90   109.35662 (21021806)
        503721.98   3634875.90   116.39564 (21021806)   503771.98
3634875.90   129.26522 (21012024)
        503821.98   3634875.90   96.38270 (21012024)   503871.98
3634875.90   72.01356 (21041323)
        503921.98   3634875.90   167.03735 (21060422)   504721.98
3634875.90   15.29555 (21071520)
        502721.98   3634925.90   43.11436 (21011719)   502771.98
3634925.90   47.46804 (21011719)
        502821.98   3634925.90   48.56200 (21011719)   502871.98
3634925.90   45.57074 (21011719)
        502921.98   3634925.90   44.02449 (20022207)   502971.98
3634925.90   51.84779 (20022207)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920 , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634925.90 66.16262 (20040823)
503321.98 3634925.90 70.87955 (21121424) 503371.98
3634925.90 71.87422 (21121424)
503421.98 3634925.90 77.68551 (19121706) 503471.98
3634925.90 72.70155 (19121706)
503521.98 3634925.90 65.30124 (19020322) 503571.98
3634925.90 61.47518 (19020322)
503621.98 3634925.90 88.04582 (20120224) 503671.98
3634925.90 101.64270 (21021806)
503721.98 3634925.90 98.80912 (21021806) 503771.98
3634925.90 144.97369 (21012024)
503821.98 3634925.90 137.53865 (19013104) 503871.98
3634925.90 195.33559 (19122420)
502721.98 3634975.90 42.91507 (21011719) 502771.98
3634975.90 41.06247 (21011719)
502821.98 3634975.90 36.12777 (21011719) 502871.98
3634975.90 42.83476 (20022207)
502921.98 3634975.90 48.43018 (20022207) 502971.98
3634975.90 51.18752 (20022207)
503021.98 3634975.90 50.20876 (21012023) 503071.98
3634975.90 54.69926 (21012023)
503121.98 3634975.90 53.70299 (21012023) 503171.98
3634975.90 52.10080 (20040823)
503221.98 3634975.90 58.40237 (20040823) 503271.98
3634975.90 61.74475 (21121424)
503321.98 3634975.90 64.60480 (21121424) 503371.98
3634975.90 66.75350 (19121706)
503421.98 3634975.90 68.19526 (19121706) 503471.98
3634975.90 54.89320 (19020322)
503521.98 3634975.90 58.11781 (19020322) 503571.98
3634975.90 62.78745 (20120224)
503621.98 3634975.90 81.47583 (20120224) 503671.98
3634975.90 93.37136 (21021806)
503721.98 3634975.90 129.88572 (19101219) 503771.98
3634975.90 171.94276 (20071102)
503821.98 3634975.90 150.02291 (21061222) 503871.98
3634975.90 161.26011 (19122420)
502721.98 3635025.90 33.55260 (21011719) 502771.98
3635025.90 35.60093 (20022207)
502821.98 3635025.90 41.03141 (20022207) 502871.98
3635025.90 44.77524 (20022207)
502921.98 3635025.90 45.84694 (20022207) 502971.98
3635025.90 46.37653 (21012023)
503021.98 3635025.90 49.13484 (21012023) 503071.98
3635025.90 47.29170 (21012023)
503121.98 3635025.90 46.90629 (20040823) 503171.98
3635025.90 52.26915 (20040823)
503221.98 3635025.90 54.27667 (21121424) 503271.98
3635025.90 58.11401 (21121424)
503321.98 3635025.90 56.95668 (19121706) 503371.98

3635025.90   62.25776 (19121706)
        503421.98   3635025.90   54.80817 (19121706)   503471.98
3635025.90   51.93311 (19020322)
        503521.98   3635025.90   49.90114 (19020322)   503571.98
3635025.90   63.40808 (20120224)
        503621.98   3635025.90   73.72148 (20120224)   503671.98
3635025.90   84.77269 (21021806)
        503721.98   3635025.90   156.58357 (19101219)   503771.98
3635025.90   155.08119 (20071102)
        503821.98   3635025.90   121.43281 (21061222)   504371.98
3635025.90   45.81531 (20011620)
        502721.98   3635075.90   34.79210 (20022207)   502771.98
3635075.90   38.82140 (20022207)
        502821.98   3635075.90   41.08429 (20022207)   502871.98
3635075.90   40.91216 (20022207)
        502921.98   3635075.90   42.77724 (21012023)   502971.98
3635075.90   44.27820 (21012023)
        503021.98   3635075.90   41.93236 (21012023)   503071.98
3635075.90   42.47043 (20040823)
        503121.98   3635075.90   47.06498 (20040823)   503171.98
3635075.90   48.06229 (21121424)
        503221.98   3635075.90   52.40037 (21121424)   503271.98
3635075.90   49.07138 (21121424)
        503321.98   3635075.90   55.81836 (19121706)   503371.98
3635075.90   53.27602 (19121706)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635075.90 47.19262 (19020322)
503521.98 3635075.90 43.95987 (20120224) 503571.98
3635075.90 62.00282 (20120224)
503621.98 3635075.90 66.92502 (21021806) 503671.98
3635075.90 76.76682 (21021806)
503721.98 3635075.90 132.73871 (19101219) 503771.98
3635075.90 142.76218 (20071102)
503821.98 3635075.90 107.91950 (19072224) 504371.98
3635075.90 45.94469 (20011620)
504421.98 3635075.90 40.54611 (20011620) 504471.98
3635075.90 39.83162 (21012617)
504521.98 3635075.90 41.44764 (21012617) 502721.98
3635125.90 36.40412 (20022207)
502771.98 3635125.90 37.50718 (20022207) 502821.98
3635125.90 36.44805 (20022207)
502871.98 3635125.90 39.44645 (21012023) 502921.98
3635125.90 40.04252 (21012023)
502971.98 3635125.90 37.40605 (21012023) 503021.98
3635125.90 38.70963 (20040823)
503071.98 3635125.90 42.68479 (20040823) 503121.98
3635125.90 42.84948 (21121424)
503171.98 3635125.90 47.38837 (21121424) 503221.98
3635125.90 45.77043 (21121424)
503271.98 3635125.90 49.49991 (19121706) 503321.98
3635125.90 50.33157 (19121706)
503371.98 3635125.90 42.57931 (19121706) 503421.98
3635125.90 42.64104 (19020322)
503471.98 3635125.90 41.53393 (19020322) 503521.98
3635125.90 46.14107 (20120224)
503571.98 3635125.90 59.01096 (20120224) 503621.98
3635125.90 64.34105 (21021806)
503671.98 3635125.90 94.36398 (21081004) 503721.98
3635125.90 133.80563 (19101219)
503771.98 3635125.90 122.66901 (20071102) 503821.98
3635125.90 96.52772 (19072224)
504371.98 3635125.90 42.24261 (20011620) 504421.98
3635125.90 41.23124 (20011620)
504471.98 3635125.90 36.16386 (20011620) 504521.98
3635125.90 36.03301 (21012617)
504571.98 3635125.90 37.60761 (21012617) 502721.98
3635175.90 34.12885 (20022207)
502771.98 3635175.90 34.05580 (21012023) 502821.98
3635175.90 36.38338 (21012023)
502871.98 3635175.90 36.30348 (21012023) 502921.98
3635175.90 33.54830 (21012023)
502971.98 3635175.90 35.47816 (20040823) 503021.98
3635175.90 38.95268 (20040823)
503071.98 3635175.90 39.20941 (20040823) 503121.98
3635175.90 42.99624 (21121424)
503171.98 3635175.90 42.60296 (21121424) 503221.98

3635175.90   43.61231 (19121706)
        503271.98   3635175.90   46.65973 (19121706)   503321.98
3635175.90   42.43231 (19121706)
        503371.98   3635175.90   37.34266 (19020322)   503421.98
3635175.90   39.31567 (19020322)
        503471.98   3635175.90   35.65743 (19020322)   503521.98
3635175.90   46.91022 (20120224)
        503571.98   3635175.90   55.17711 (20120224)   503621.98
3635175.90   72.53753 (21021806)
        503671.98   3635175.90   104.07992 (21081004)   503721.98
3635175.90   117.49611 (19101219)
        503771.98   3635175.90   104.35065 (19072223)   503821.98
3635175.90   90.05138 (21031321)
        504371.98   3635175.90   36.10127 (20011620)   504421.98
3635175.90   38.72962 (20011620)
        504471.98   3635175.90   37.24106 (20011620)   504521.98
3635175.90   32.48397 (20011620)
        504571.98   3635175.90   32.76804 (21012617)   504621.98
3635175.90   34.33761 (21012617)
        502721.98   3635225.90   32.04225 (21012023)   502771.98
3635225.90   33.61382 (21012023)
        502821.98   3635225.90   33.05709 (21012023)   502871.98
3635225.90   30.23263 (21012023)
        502921.98   3635225.90   32.66746 (20040823)   502971.98
3635225.90   35.74126 (20040823)
        503021.98   3635225.90   36.10795 (20040823)   503071.98
3635225.90   39.14226 (21121424)
        503121.98   3635225.90   39.59880 (21121424)   503171.98
3635225.90   38.30662 (19121706)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)

```
Y-COORD (M)        CONC     (YYMMDDHH)
 - - -
```

3635325.90   32.73394 (21121424)
        503021.98   3635325.90   34.16415 (21121424)   503071.98
3635325.90   32.23764 (21121424)
        503121.98   3635325.90   34.79152 (19121706)   503171.98
3635325.90   36.68789 (19121706)
        503221.98   3635325.90   34.08960 (19121706)   503271.98
3635325.90   27.80024 (19020322)
        503321.98   3635325.90   30.71768 (19020322)   503371.98
3635325.90   30.40459 (19020322)
        503421.98   3635325.90   26.73247 (19020322)   503471.98
3635325.90   36.47991 (20120224)
        503521.98   3635325.90   43.25991 (20120224)   503571.98
3635325.90   45.12118 (21021806)
        503621.98   3635325.90   69.12520 (21021806)   504371.98
3635325.90   17.88946 (20040223)
        504421.98   3635325.90   22.18573 (20011620)   504471.98
3635325.90   27.09659 (20011620)
        504521.98   3635325.90   29.97116 (20011620)   504571.98
3635325.90   30.26974 (20011620)
        504621.98   3635325.90   28.14961 (20011620)   504671.98
3635325.90   24.32618 (20011620)
        504721.98   3635325.90   25.51442 (21012617)   502721.98
3635375.90   22.80811 (20040823)
        502771.98   3635375.90   42.20203 (20070801)   502821.98
3635375.90   41.85722 (20040823)
        502871.98   3635375.90   49.71126 (20070802)   502921.98
3635375.90   47.89998 (21121424)
        502971.98   3635375.90   31.77669 (21121424)   503021.98
3635375.90   50.00709 (19091321)
        503071.98   3635375.90   62.59488 (20042421)   503121.98
3635375.90   34.00870 (19121706)
        503171.98   3635375.90   33.05524 (19121706)   503221.98
3635375.90   28.35297 (19121706)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920 , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635375.90	27.60740	(19020322)	503321.98	3635375.90	28.86841	(19020322)
503371.98	3635375.90	27.14320	(19020322)	503421.98	3635375.90	27.42582	(20120224)
503471.98	3635375.90	36.50969	(20120224)	503521.98	3635375.90	40.81312	(20120224)
503571.98	3635375.90	43.88743	(21021806)	503621.98	3635375.90	47.36590	(21021806)
503671.98	3635375.90	75.73513	(21081004)	503721.98	3635375.90	88.18240	(19101219)
504371.98	3635375.90	14.40321	(20040223)	504421.98	3635375.90	17.60629	(20040223)
504471.98	3635375.90	21.96500	(20011620)	504521.98	3635375.90	26.00677	(20011620)
504571.98	3635375.90	28.12962	(20011620)	504621.98	3635375.90	27.98700	(20011620)
504671.98	3635375.90	25.83860	(20011620)	504721.98	3635375.90	22.30773	(20011620)
502721.98	3635425.90	32.80643	(20122721)	502771.98	3635425.90	40.34456	(20070801)
502821.98	3635425.90	49.15944	(20070802)	502871.98	3635425.90	51.94247	(20070802)
502921.98	3635425.90	52.10928	(20111121)	502971.98	3635425.90	56.93577	(19091321)
503021.98	3635425.90	59.03625	(20042421)	503071.98	3635425.90	63.74192	(20042421)
503121.98	3635425.90	31.61345	(19121706)	503171.98	3635425.90	28.48511	(19121706)
503221.98	3635425.90	24.37180	(19020322)	503271.98	3635425.90	26.63999	(19020322)
503321.98	3635425.90	26.51805	(19020322)	503371.98	3635425.90	23.82207	(19020322)
503421.98	3635425.90	28.63484	(20120224)	503471.98	3635425.90	35.88022	(20120224)
503521.98	3635425.90	38.04565	(20120224)	503571.98	3635425.90	42.28438	(21021806)
503621.98	3635425.90	43.96365	(21021806)	503671.98	3635425.90	71.59245	(19101219)
503721.98	3635425.90	80.13167	(19101219)	503771.98	3635425.90	85.16849	(20071102)
503821.98	3635425.90	66.30271	(20071102)	504371.98	3635425.90	11.34008	(20040223)
504421.98	3635425.90	14.51173	(20040223)	504471.98			

3635425.90   17.17706 (20040223)
        504521.98   3635425.90   21.57474 (20011620)   504571.98
3635425.90   24.87445 (20011620)
        504621.98   3635425.90   26.38266 (20011620)   504671.98
3635425.90   25.94157 (20011620)
        504721.98   3635425.90   23.80717 (20011620)   502721.98
3635475.90   36.52809 (20040823)
        502771.98   3635475.90   45.59669 (20070802)   502821.98
3635475.90   48.76771 (20070802)
        502871.98   3635475.90   49.28472 (20111121)   502921.98
3635475.90   52.87055 (19091321)
        502971.98   3635475.90   55.36394 (19071423)   503021.98
3635475.90   62.06917 (20042421)
        503071.98   3635475.90   52.79123 (20042421)   503121.98
3635475.90   28.11841 (19121706)
        503171.98   3635475.90   23.63574 (19121706)   503221.98
3635475.90   24.18184 (19020322)
        503271.98   3635475.90   25.21583 (19020322)   503321.98
3635475.90   23.98170 (19020322)
        503371.98   3635475.90   21.26950 (20120224)   503421.98
3635475.90   29.32117 (20120224)
        503471.98   3635475.90   34.79995 (20120224)   503521.98
3635475.90   35.21715 (20120224)
        503571.98   3635475.90   49.53045 (21021806)   503621.98
3635475.90   48.74983 (21021806)
        503671.98   3635475.90   59.79034 (19101219)   503721.98
3635475.90   61.86124 (19101219)
        503771.98   3635475.90   77.95944 (20071102)   503821.98
3635475.90   61.78258 (20071102)
        503871.98   3635475.90   67.61330 (21061222)   503921.98
3635475.90   83.62019 (19122420)
        504371.98   3635475.90   10.19283 (19031219)   504421.98
3635475.90   11.71158 (20040223)
        504471.98   3635475.90   14.47483 (20040223)   504521.98
3635475.90   17.23409 (20011620)
        504571.98   3635475.90   21.06936 (20011620)   504621.98
3635475.90   23.73038 (20011620)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504671.98	3635475.90	24.76677	(20011620)	504721.98	3635475.90	41.81227	(21090701)
502221.98	3632975.90	5.29498	(19010119)	502271.98	3632975.90	4.93106	(19010119)
502321.98	3632975.90	4.51791	(21030103)	502371.98	3632975.90	5.94575	(21030103)
502421.98	3632975.90	7.62808	(21030103)	502471.98	3632975.90	9.49425	(21030103)
502521.98	3632975.90	11.41185	(21030103)	502571.98	3632975.90	13.20665	(21030103)
502621.98	3632975.90	14.65755	(21030103)	502671.98	3632975.90	15.54067	(21030103)
502721.98	3632975.90	16.34387	(20121603)	502771.98	3632975.90	19.70100	(20121603)
502821.98	3632975.90	32.60030	(21031822)	502871.98	3632975.90	40.58439	(20121603)
502921.98	3632975.90	38.10119	(20121603)	502971.98	3632975.90	35.08975	(20092123)
503021.98	3632975.90	40.51782	(20090205)	503071.98	3632975.90	51.98872	(20090205)
503121.98	3632975.90	44.76517	(20090205)	503171.98	3632975.90	40.88265	(20102407)
503221.98	3632975.90	43.35149	(20082723)	503271.98	3632975.90	43.56466	(20111701)
503321.98	3632975.90	46.45585	(19081924)	503371.98	3632975.90	56.23416	(19081924)
503421.98	3632975.90	47.32701	(19081924)	503471.98	3632975.90	52.06680	(19110606)
503621.98	3632975.90	45.98961	(20050102)	503671.98	3632975.90	49.28582	(20050102)
503721.98	3632975.90	47.61632	(21020203)	503771.98	3632975.90	38.15963	(20082921)
503821.98	3632975.90	42.17356	(20082921)	503871.98	3632975.90	37.08261	(20110207)
503921.98	3632975.90	34.21690	(20082519)	503971.98	3632975.90	40.93140	(19032124)
504021.98	3632975.90	42.53882	(20022622)	504071.98	3632975.90	42.44974	(21013120)
504121.98	3632975.90	37.17731	(21011302)	504171.98			

3632975.90   39.84087 (19102905)
        504221.98   3632975.90   40.81282 (19121107)   504271.98
3632975.90   39.46120 (20022403)
        504321.98   3632975.90   39.30215 (21011620)   504371.98
3632975.90   38.78215 (21013021)
        504421.98   3632975.90   38.06334 (20042404)   504471.98
3632975.90   36.49232 (20112701)
        504521.98   3632975.90   36.43449 (20101423)   504571.98
3632975.90   36.15273 (21022020)
        504621.98   3632975.90   35.73589 (21011323)   504671.98
3632975.90   35.82557 (21010102)
        504721.98   3632975.90   34.51576 (20011902)   504771.98
3632975.90   34.56446 (19022705)
        504821.98   3632975.90   34.02207 (21021820)   504871.98
3632975.90   33.07371 (21011520)
        504921.98   3632975.90   31.77202 (19121906)   504971.98
3632975.90   31.77809 (21010522)
        505021.98   3632975.90   30.96507 (19122301)   505071.98
3632975.90   30.12554 (20122923)
        505121.98   3632975.90   28.18050 (20100121)   505171.98
3632975.90   29.15974 (21022502)
        505221.98   3632975.90   29.01105 (21022502)   502221.98
3633025.90   5.92113 (19010119)
        502271.98   3633025.90   5.63778 (19010119)   502321.98
3633025.90   5.25412 (19010119)
        502371.98   3633025.90   4.81471 (19010119)   502421.98
3633025.90   6.36445 (21030103)
        502471.98   3633025.90   8.19230 (21030103)   502521.98
3633025.90   10.21514 (21030103)
        502571.98   3633025.90   12.28012 (21030103)   502621.98
3633025.90   14.17331 (21030103)
        502671.98   3633025.90   15.64085 (21030103)   502721.98
3633025.90   16.44318 (21030103)
        502771.98   3633025.90   18.21547 (20121603)   502821.98
3633025.90   35.80533 (21031822)
        502871.98   3633025.90   41.25398 (21031822)   502921.98
3633025.90   42.50822 (20121603)
        502971.98   3633025.90   35.35645 (20092123)   503021.98
3633025.90   38.23633 (20090205)
        503071.98   3633025.90   52.38324 (20090205)   503121.98
3633025.90   45.59202 (20092124)

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: FORKS   ***
                                INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503171.98   3633025.90   39.48371 (20102407)   503221.98
3633025.90   45.65629 (20082723)
        503271.98   3633025.90   45.15082 (20111701)   503321.98
3633025.90   44.45956 (19050103)
        503371.98   3633025.90   57.69825 (19081924)   503421.98
3633025.90   49.47886 (19081924)
        503471.98   3633025.90   52.90068 (19110606)   503621.98
3633025.90   45.02124 (20050102)
        503671.98   3633025.90   51.07523 (20050102)   503721.98
3633025.90   50.62126 (21020203)
        503771.98   3633025.90   38.43330 (20032924)   503821.98
3633025.90   42.83034 (20110207)
        503871.98   3633025.90   38.13714 (20110207)   503921.98
3633025.90   37.20001 (20082519)
        503971.98   3633025.90   43.42075 (19032124)   504021.98
3633025.90   43.27636 (20022622)
        504071.98   3633025.90   43.78936 (21011302)   504121.98
3633025.90   38.57667 (19102905)
        504171.98   3633025.90   42.71386 (21022205)   504221.98
3633025.90   43.89311 (20022403)
        504271.98   3633025.90   42.38191 (21011620)   504321.98
3633025.90   40.61347 (21013021)
        504371.98   3633025.90   38.50159 (20042404)   504421.98
3633025.90   40.48724 (21120723)
        504471.98   3633025.90   38.67249 (20101423)   504521.98
3633025.90   37.65179 (20112022)
        504571.98   3633025.90   38.54207 (21011323)   504621.98
3633025.90   36.95320 (21010102)
        504671.98   3633025.90   36.98633 (20011902)   504721.98
3633025.90   35.53052 (19022705)
        504771.98   3633025.90   35.85362 (21021820)   504821.98
3633025.90   34.54466 (20121007)
        504871.98   3633025.90   34.11145 (21011520)   504921.98
3633025.90   33.26585 (21010522)
        504971.98   3633025.90   32.59304 (19122301)   505021.98

```
3633025.90       31.75253  (20122923)
        505071.98   3633025.90       29.35416  (20100121)                505121.98
3633025.90       30.49626  (21022502)
        505171.98   3633025.90       30.35007  (21022502)                505221.98
3633025.90       28.51966  (19120104)
        502221.98   3633075.90        6.51796  (19010119)                502271.98
3633075.90        6.32358  (19010119)
        502321.98   3633075.90        6.01375  (19010119)                502371.98
3633075.90        5.61675  (19010119)
        502421.98   3633075.90        5.14782  (19010119)                502471.98
3633075.90        6.82306  (21030103)
        502521.98   3633075.90        8.81935  (21030103)                502571.98
3633075.90       11.02000  (21030103)
        502621.98   3633075.90       13.24061  (21030103)                502671.98
3633075.90       15.23031  (21030103)
        502721.98   3633075.90       16.70278  (21030103)                502771.98
3633075.90       17.39390  (21030103)
        502821.98   3633075.90       27.91769  (21030103)                502871.98
3633075.90       40.01045  (21031822)
        502921.98   3633075.90       41.74625  (20121603)                502971.98
3633075.90       44.10361  (20121603)
        503021.98   3633075.90       41.01320  (20092124)                503071.98
3633075.90       51.95864  (20092124)
        503121.98   3633075.90       55.49043  (20092124)                503171.98
3633075.90       44.47666  (20061222)
        503221.98   3633075.90       42.22726  (20082723)                503271.98
3633075.90       48.33002  (20082723)
        503321.98   3633075.90       45.71865  (20111701)                503371.98
3633075.90       56.64491  (19081924)
        503421.98   3633075.90       53.64404  (19081924)                503471.98
3633075.90       52.92137  (19110606)
        503621.98   3633075.90       43.87308  (20050102)                503671.98
3633075.90       51.17138  (20050102)
        503721.98   3633075.90       50.49331  (21020203)                503771.98
3633075.90       40.73548  (20032924)
        503821.98   3633075.90       45.39602  (20110207)                503871.98
3633075.90       39.15356  (20110207)
        503921.98   3633075.90       40.29446  (20082519)                503971.98
3633075.90       45.65219  (19032124)
        504021.98   3633075.90       44.82978  (21013120)                504071.98
3633075.90       45.75462  (21011302)
        504121.98   3633075.90       42.73633  (19102905)                504171.98
3633075.90       44.48968  (21022205)
        504221.98   3633075.90       45.82021  (20022403)                504271.98
3633075.90       44.58115  (21011620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 ,
L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3633075.90	43.23727	(21013021)	504371.98	3633075.90	41.84599	(20042404)
504421.98	3633075.90	40.36876	(21120723)	504471.98	3633075.90	39.73131	(20101423)
504521.98	3633075.90	39.23018	(21022020)	504571.98	3633075.90	38.97793	(21120804)
504621.98	3633075.90	38.56131	(21010102)	504671.98	3633075.90	37.03737	(21022803)
504721.98	3633075.90	37.14198	(19022705)	504771.98	3633075.90	36.45830	(20121007)
504821.98	3633075.90	36.53132	(21011520)	504871.98	3633075.90	34.61947	(21010522)
504921.98	3633075.90	34.22708	(19122301)	504971.98	3633075.90	33.47956	(20122923)
505021.98	3633075.90	30.93285	(19081501)	505071.98	3633075.90	31.94780	(21022502)
505121.98	3633075.90	31.79235	(21022502)	505171.98	3633075.90	29.76751	(19120104)
505221.98	3633075.90	30.25294	(20021702)	502221.98	3633125.90	7.03185	(19010119)
502271.98	3633125.90	6.94535	(19010119)	502321.98	3633125.90	6.74142	(19010119)
502371.98	3633125.90	6.42666	(19010119)	502421.98	3633125.90	6.01320	(19010119)
502471.98	3633125.90	5.51051	(19010119)	502521.98	3633125.90	7.33664	(21030103)
502571.98	3633125.90	9.52075	(21030103)	502621.98	3633125.90	11.91450	(21030103)
502671.98	3633125.90	14.30403	(21030103)	502721.98	3633125.90	16.39158	(21030103)
502771.98	3633125.90	17.84696	(21030103)	502821.98			

```
3633125.90       18.38344  (21030103)
        502871.98   3633125.90       32.45246  (21031822)                502921.98
3633125.90       39.86725  (21031822)
        502971.98   3633125.90       44.07669  (20121603)                503021.98
3633125.90       42.12167  (20121603)
        503071.98   3633125.90       54.76211  (20092124)                503121.98
3633125.90       60.99118  (20092124)
        503171.98   3633125.90       50.86360  (20092124)                503221.98
3633125.90       39.27563  (20102407)
        503271.98   3633125.90       49.19174  (20082723)                503321.98
3633125.90       47.16686  (20111701)
        503371.98   3633125.90       55.23670  (19081924)                503421.98
3633125.90       56.73400  (19081924)
        503471.98   3633125.90       52.10363  (19110606)                503621.98
3633125.90       43.30500  (21090401)
        503671.98   3633125.90       50.66016  (20050102)                503721.98
3633125.90       50.53291  (21020203)
        503771.98   3633125.90       43.79375  (20032924)                503821.98
3633125.90       48.11611  (20110207)
        503871.98   3633125.90       39.96763  (20110207)                503921.98
3633125.90       43.45971  (20082519)
        503971.98   3633125.90       48.07224  (20022622)                504021.98
3633125.90       48.56466  (21013120)
        504071.98   3633125.90       46.65315  (21011302)                504121.98
3633125.90       45.99013  (19102905)
        504171.98   3633125.90       46.90303  (19121107)                504221.98
3633125.90       45.15684  (20022403)
        504271.98   3633125.90       45.04869  (20052501)                504321.98
3633125.90       42.90717  (21013021)
        504371.98   3633125.90       44.48761  (21120723)                504421.98
3633125.90       42.54365  (20101423)
        504471.98   3633125.90       41.07172  (20112022)                504521.98
3633125.90       42.20622  (21011323)
        504571.98   3633125.90       41.25949  (21010102)                504621.98
3633125.90       39.88417  (20011902)
        504671.98   3633125.90       39.80840  (19022705)                504721.98
3633125.90       38.49297  (21021820)
        504771.98   3633125.90       38.69370  (21011520)                504821.98
3633125.90       36.27398  (19121906)
        504871.98   3633125.90       35.81388  (19122301)                504921.98
3633125.90       35.28503  (20122923)
        504971.98   3633125.90       32.65756  (19081501)                505021.98
3633125.90       33.54638  (21022502)
        505071.98   3633125.90       33.36371  (21022502)                505121.98
3633125.90       31.09848  (19120104)
        505171.98   3633125.90       31.97931  (20021702)                505221.98
3633125.90       31.16930  (20020804)
        502221.98   3633175.90        7.39707  (19010119)                502271.98
3633175.90        7.44957  (19010119)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920 , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3633175.90 46.84355 (20032924)
503821.98 3633175.90 51.02103 (20110207) 503871.98
3633175.90 40.73736 (20110207)
503921.98 3633175.90 46.63614 (20082519) 503971.98
3633175.90 51.53424 (20022622)
504021.98 3633175.90 51.65038 (21013120) 504071.98
3633175.90 46.26316 (21011302)
504121.98 3633175.90 48.53862 (21022205) 504171.98
3633175.90 50.40032 (20022403)
504221.98 3633175.90 49.23353 (21011620) 504271.98
3633175.90 47.82007 (21013021)
504321.98 3633175.90 46.07688 (20042404) 504371.98
3633175.90 44.99006 (21120723)
504421.98 3633175.90 43.70773 (20112022) 504471.98
3633175.90 43.87564 (21011323)
504521.98 3633175.90 42.62822 (21120804) 504571.98
3633175.90 42.82502 (20011902)
504621.98 3633175.90 41.46803 (19022705) 504671.98
3633175.90 41.47051 (21021820)
504721.98 3633175.90 40.46839 (21011520) 504771.98
3633175.90 38.62905 (19121906)
504821.98 3633175.90 37.75709 (21010522) 504871.98
3633175.90 37.12571 (20122923)
504921.98 3633175.90 34.50115 (19081501) 504971.98
3633175.90 35.28889 (21022502)
505021.98 3633175.90 35.10051 (21022502) 505071.98
3633175.90 32.57191 (20100521)
505121.98 3633175.90 33.80735 (20021702) 505171.98
3633175.90 32.97086 (20020804)
505221.98 3633175.90 31.18837 (20011323) 502221.98
3633225.90 8.60498 (21111004)
502271.98 3633225.90 7.95726 (21111004) 502321.98
3633225.90 7.91076 (19010119)
502371.98 3633225.90 7.89223 (19010119) 502421.98
3633225.90 7.71964 (19010119)
502471.98 3633225.90 7.39270 (19010119) 502521.98
3633225.90 6.94443 (19010119)
502571.98 3633225.90 6.37679 (19010119) 502621.98
3633225.90 8.54966 (21030103)
502671.98 3633225.90 11.18592 (21030103) 502721.98
3633225.90 14.03302 (21030103)
502771.98 3633225.90 16.79692 (21030103) 502821.98
3633225.90 19.05213 (21030103)
502871.98 3633225.90 30.19410 (21030103) 502921.98
3633225.90 26.83799 (21030103)
502971.98 3633225.90 28.86037 (20121603) 503021.98
3633225.90 41.40985 (20121603)
503071.98 3633225.90 40.68055 (20121603) 503121.98
3633225.90 42.73339 (20092124)
503171.98 3633225.90 52.80131 (20092124) 503221.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                          *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS ***
                              INCLUDING SOURCE(S): L0000919 , L0000920
, L0000921 , L0000922 , L0000923 ,
              L0000924 , L0000925 , L0000926 , L0000927 ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10 IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)
 - - -

3633225.90 43.65021 (21021820)
504671.98 3633225.90 42.18651 (20121007) 504721.98
3633225.90 40.80991 (19121906)
504771.98 3633225.90 40.43661 (21010522) 504821.98
3633225.90 39.04163 (20122923)
504871.98 3633225.90 36.45239 (19081501) 504921.98
3633225.90 37.18756 (21022502)
504971.98 3633225.90 37.01016 (21022502) 505021.98
3633225.90 34.48305 (20100521)
505071.98 3633225.90 35.76233 (20021702) 505121.98
3633225.90 34.82269 (20020804)
505171.98 3633225.90 32.90417 (20011323) 505221.98
3633225.90 32.93673 (21012402)
502221.98 3633275.90 9.91294 (21111004) 502271.98
3633275.90 9.42163 (21111004)
502321.98 3633275.90 8.77481 (21111004) 502371.98
3633275.90 8.41914 (19010119)
502421.98 3633275.90 8.42543 (19010119) 502471.98
3633275.90 8.27438 (19010119)
502521.98 3633275.90 7.96192 (19010119) 502571.98
3633275.90 7.49240 (19010119)
502621.98 3633275.90 6.88572 (19010119) 502671.98
3633275.90 9.26386 (21030103)
502721.98 3633275.90 12.17518 (21030103) 502771.98
3633275.90 15.29834 (21030103)
502821.98 3633275.90 47.70636 (20122620) 502871.98
3633275.90 30.41565 (21030103)
502921.98 3633275.90 21.82222 (21030103) 502971.98
3633275.90 26.24980 (20121603)
503021.98 3633275.90 39.48275 (20121603) 503071.98
3633275.90 32.64856 (20121603)
503121.98 3633275.90 31.33717 (20121603) 503171.98
3633275.90 26.85070 (20121603)
503221.98 3633275.90 55.49686 (20092124) 503271.98
3633275.90 54.04608 (20061222)
503321.98 3633275.90 59.52658 (20082723) 503371.98
3633275.90 63.04621 (20111701)
503421.98 3633275.90 57.89064 (19081924) 503471.98
3633275.90 51.59308 (21020924)
503621.98 3633275.90 49.63236 (19101521) 503671.98
3633275.90 52.86816 (20050102)
503721.98 3633275.90 56.36852 (21020203) 503771.98
3633275.90 52.29192 (20032924)
503821.98 3633275.90 56.85645 (20110207) 503871.98
3633275.90 42.14244 (20082921)
503921.98 3633275.90 52.70314 (20082519) 503971.98
3633275.90 56.91960 (20022622)
504021.98 3633275.90 56.09662 (21011302) 504071.98
3633275.90 52.65152 (19102905)
504121.98 3633275.90 54.54656 (19121107) 504171.98

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                   INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504521.98   3633275.90   46.94523 (20011902)   504571.98
3633275.90   46.49913 (19022705)
        504621.98   3633275.90   44.96394 (20121007)   504671.98
3633275.90   44.40693 (21011520)
        504721.98   3633275.90   43.11033 (21010522)   504771.98
3633275.90   41.16671 (19122301)
        504821.98   3633275.90   38.56017 (19081501)   504871.98
3633275.90   39.23994 (21022502)
        504921.98   3633275.90   39.04999 (21022502)   504971.98
3633275.90   36.51969 (20100521)
        505021.98   3633275.90   37.83308 (20021702)   505071.98
3633275.90   36.71878 (20020804)
        505121.98   3633275.90   34.59679 (20011323)   505171.98
3633275.90   34.51693 (21012402)
        505221.98   3633275.90   32.89546 (20121620)   502221.98
3633325.90   11.02801 (21111004)
        502271.98   3633325.90   10.77866 (21111004)   502321.98
3633325.90   10.32936 (21111004)
        502371.98   3633325.90   9.68402 (21111004)   502421.98

3633325.90 8.94911 (19010119)
  502471.98 3633325.90 9.00268 (19010119) 502521.98
3633325.90 8.89019 (19010119)
  502571.98 3633325.90 8.58848 (19010119) 502621.98
3633325.90 8.10331 (19010119)
  502671.98 3633325.90 7.45307 (19010119) 502721.98
3633325.90 10.06886 (21030103)
  502771.98 3633325.90 13.28636 (21030103) 502821.98
3633325.90 16.72143 (21030103)
  502871.98 3633325.90 19.94255 (21030103) 502921.98
3633325.90 22.33428 (21030103)
  502971.98 3633325.90 23.58579 (20121603) 503021.98
3633325.90 29.58088 (20121603)
  503071.98 3633325.90 33.76189 (20121603) 503121.98
3633325.90 34.71925 (20121603)
  503171.98 3633325.90 31.85152 (20121603) 503221.98
3633325.90 28.45600 (21063005)
  503271.98 3633325.90 66.87745 (20092124) 503321.98
3633325.90 58.47609 (20082723)
  503371.98 3633325.90 67.50537 (20111701) 503421.98
3633325.90 57.12156 (20111701)
  503471.98 3633325.90 46.32101 (21110603) 503621.98
3633325.90 53.52914 (19101521)
  503671.98 3633325.90 54.36255 (20050102) 503721.98
3633325.90 59.83799 (21020203)
  503771.98 3633325.90 55.03467 (20032924) 503821.98
3633325.90 60.06206 (20110207)
  503871.98 3633325.90 44.41634 (20080919) 503921.98
3633325.90 56.83947 (19032124)
  503971.98 3633325.90 57.87908 (20022622) 504021.98
3633325.90 58.23966 (21011302)
  504071.98 3633325.90 56.45622 (19102905) 504121.98
3633325.90 58.42217 (20022403)
  504171.98 3633325.90 57.96954 (21011620) 504221.98
3633325.90 56.20686 (21013021)
  504271.98 3633325.90 54.41312 (21120723) 504321.98
3633325.90 52.25788 (20101423)
  504371.98 3633325.90 50.58116 (21022020) 504421.98
3633325.90 50.20105 (20031721)
  504471.98 3633325.90 50.50421 (20011902) 504521.98
3633325.90 49.26390 (19022705)
  504571.98 3633325.90 48.22271 (21021820) 504621.98
3633325.90 47.95808 (21011520)
  504671.98 3633325.90 45.69384 (21010522) 504721.98
3633325.90 44.24735 (19122301)
  504771.98 3633325.90 41.37337 (20122923) 504821.98
3633325.90 41.48293 (21022502)
  504871.98 3633325.90 41.33483 (21022502) 504921.98
3633325.90 38.30547 (20100521)
  504971.98 3633325.90 39.85855 (20021702) 505021.98

3633325.90   38.55196 (20020804)
        505071.98   3633325.90   36.28944 (21012402)   505121.98
3633325.90   35.88009 (21012402)
        505171.98   3633325.90   34.81726 (20022406)   505221.98
3633325.90   34.09436 (20022406)
        502221.98   3633375.90   11.82126 (21111004)   502271.98
3633375.90   11.87406 (21111004)
        502321.98   3633375.90   11.70837 (21111004)   502371.98
3633375.90   11.31292 (21111004)
        502421.98   3633375.90   10.69154 (21111004)   502471.98
3633375.90   9.85868 (21111004)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                   INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3633375.90 30.40398 (21063005)
503321.98 3633375.90 52.40831 (20092124) 503371.98
3633375.90 67.92802 (20111701)
503421.98 3633375.90 58.71446 (20111701) 503471.98
3633375.90 52.29181 (21110603)
503621.98 3633375.90 59.03226 (19101521) 503671.98
3633375.90 55.46177 (20050102)
503721.98 3633375.90 62.45985 (21020203) 503771.98
3633375.90 58.04003 (20032924)
503821.98 3633375.90 62.93683 (20110207) 503871.98
3633375.90 47.41051 (20080820)
503921.98 3633375.90 60.78445 (19032124) 503971.98
3633375.90 61.43938 (21013120)
504021.98 3633375.90 58.51747 (21011302) 504071.98
3633375.90 60.62422 (21022205)
504121.98 3633375.90 61.82821 (20022403) 504171.98
3633375.90 59.17033 (21011620)
504221.98 3633375.90 55.79789 (20042404) 504271.98
3633375.90 56.78271 (21120723)
504321.98 3633375.90 53.64960 (20112022) 504371.98
3633375.90 54.70811 (21011323)
504421.98 3633375.90 54.02213 (21010102) 504471.98
3633375.90 50.42097 (21022803)
504521.98 3633375.90 52.11458 (21021820) 504571.98
3633375.90 51.04106 (21011520)
504621.98 3633375.90 48.06256 (21010522) 504671.98
3633375.90 47.29635 (19122301)
504721.98 3633375.90 44.66973 (20122923) 504771.98
3633375.90 43.97456 (21022502)
504821.98 3633375.90 43.84487 (21022502) 504871.98
3633375.90 40.58210 (21010602)
504921.98 3633375.90 41.68901 (20021702) 504971.98
3633375.90 39.95337 (20020804)
505021.98 3633375.90 38.85352 (21012402) 505071.98
3633375.90 37.39654 (20121620)
505121.98 3633375.90 37.49910 (20022406) 505171.98
3633375.90 35.15152 (19010903)
505221.98 3633375.90 34.15118 (21121121) 502221.98
3633425.90 12.15439 (21111004)
502271.98 3633425.90 12.54445 (21111004) 502321.98
3633425.90 12.72703 (21111004)
502371.98 3633425.90 12.67910 (21111004) 502421.98
3633425.90 12.37803 (21111004)
502471.98 3633425.90 11.82553 (21111004) 502521.98
3633425.90 10.99243 (21111004)
502571.98 3633425.90 10.35148 (19010119) 502621.98
3633425.90 10.33567 (19010119)
502671.98 3633425.90 10.07158 (19010119) 502721.98
3633425.90 9.56138 (19010119)
502771.98 3633425.90 8.82257 (19010119) 502821.98

3633425.90   12.02589 (21030103)
        502871.98   3633425.90   16.04980 (21030103)   502921.98
3633425.90   20.25128 (21030103)
        502971.98   3633425.90   23.95180 (21030103)   503021.98
3633425.90   26.32867 (21030103)
        503071.98   3633425.90   31.09763 (20121603)   503121.98
3633425.90   37.32903 (20121603)
        503171.98   3633425.90   39.89391 (20121603)   503221.98
3633425.90   37.54268 (20121603)
        503271.98   3633425.90   32.53951 (21063005)   503321.98
3633425.90   66.56338 (20092124)
        503371.98   3633425.90   70.16589 (20102407)   503421.98
3633425.90   68.82912 (20111701)
        503471.98   3633425.90   55.36754 (21110603)   503621.98
3633425.90   68.43442 (19101521)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3633425.90 59.81115 (21120723)
504271.98 3633425.90 57.48539 (20101423) 504321.98
3633425.90 55.10281 (21011323)
504371.98 3633425.90 55.20143 (21010102) 504421.98
3633425.90 55.80963 (20011902)
504471.98 3633425.90 55.08880 (19022705) 504521.98
3633425.90 53.34418 (21011520)
504571.98 3633425.90 51.55549 (19121906) 504621.98
3633425.90 50.46102 (19122301)
504671.98 3633425.90 47.82410 (20122923) 504721.98
3633425.90 46.41307 (21022502)
504771.98 3633425.90 46.50627 (21022502) 504821.98
3633425.90 43.51276 (20100521)
504871.98 3633425.90 43.76494 (20021702) 504921.98
3633425.90 41.42483 (20020804)
504971.98 3633425.90 41.39893 (21012402) 505021.98
3633425.90 39.77850 (20121620)
505071.98 3633425.90 39.73573 (20022406) 505121.98
3633425.90 37.15658 (19010903)
505171.98 3633425.90 36.10298 (21121121) 505221.98
3633425.90 35.19531 (21120121)
502221.98 3633475.90 11.97793 (21111004) 502271.98
3633475.90 12.70220 (21111004)
502321.98 3633475.90 13.26754 (21111004) 502371.98
3633475.90 13.62771 (21111004)
502421.98 3633475.90 13.73871 (21111004) 502471.98
3633475.90 13.58202 (21111004)
502521.98 3633475.90 13.06938 (21111004) 502571.98
3633475.90 12.25993 (21111004)
502621.98 3633475.90 11.17508 (21111004) 502671.98
3633475.90 11.17048 (19010119)
504771.98 3633475.90 46.01521 (20021702) 504821.98
3633475.90 46.03819 (20020804)
504871.98 3633475.90 43.93916 (21010922) 504921.98
3633475.90 43.47152 (21012402)
504971.98 3633475.90 41.46337 (20022406) 505021.98
3633475.90 41.18898 (20022406)
505071.98 3633475.90 38.94057 (21121121) 505121.98
3633475.90 38.08082 (21120121)
505171.98 3633475.90 36.39879 (21021801) 505221.98
3633475.90 34.92397 (21011022)
502221.98 3633525.90 11.29274 (21111004) 502271.98
3633525.90 12.30074 (21111004)
502321.98 3633525.90 13.21472 (21111004) 502371.98
3633525.90 14.00103 (21111004)
502421.98 3633525.90 14.57833 (21111004) 502471.98
3633525.90 14.88827 (21111004)
502521.98 3633525.90 14.83612 (21111004) 502571.98
3633525.90 14.42372 (21111004)
502621.98 3633525.90 13.68154 (21111004) 502671.98

3633525.90   12.58227 (21111004)
        504771.98   3633525.90   49.65188 (20020804)   504821.98
3633525.90   46.90203 (21010922)
        504871.98   3633525.90   45.70723 (21012402)   504921.98
3633525.90   44.83960 (20022406)
        504971.98   3633525.90   42.15490 (19010903)   505021.98
3633525.90   41.19631 (21121121)
        505071.98   3633525.90   40.58645 (21120121)   505121.98
3633525.90   38.99209 (21021801)
        505171.98   3633525.90   37.78123 (21011022)   505221.98
3633525.90   36.26660 (20021024)
        502221.98   3633575.90   10.16575 (21111004)   502271.98
3633575.90   11.33891 (21111004)
        502321.98   3633575.90   12.52459 (21111004)   502371.98
3633575.90   13.67359 (21111004)
        502421.98   3633575.90   14.68451 (21111004)   502471.98
3633575.90   15.48028 (21111004)
        502521.98   3633575.90   15.99475 (21111004)   502571.98
3633575.90   16.16791 (21111004)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3633575.90       41.92910  (21011418)
        505071.98   3633575.90       40.46973  (21011022)                505121.98
3633575.90       39.32603  (20021024)
        505171.98   3633575.90       39.55953  (21122302)                505221.98
3633575.90       37.91727  (21122302)
        502221.98   3633625.90        9.12314  (21012320)                502271.98
3633625.90        9.92127  (21111004)
        502321.98   3633625.90       11.27549  (21111004)                502371.98
3633625.90       12.66009  (21111004)
        502421.98   3633625.90       14.02972  (21111004)                502471.98
3633625.90       15.26885  (21111004)
        502521.98   3633625.90       16.37388  (21111004)                502571.98
3633625.90       17.18860  (21111004)
        502621.98   3633625.90       17.64318  (21111004)                502671.98
3633625.90       17.64033  (21111004)
        504771.98   3633625.90       52.17080  (20121620)                504821.98
3633625.90       50.04434  (20022406)
        504871.98   3633625.90       47.88799  (21121121)                504921.98
3633625.90       47.56679  (21011418)
        504971.98   3633625.90       44.53577  (21011418)                505021.98
3633625.90       42.60197  (21011022)
        505071.98   3633625.90       41.61819  (21122302)                505121.98
3633625.90       42.07867  (21122302)
        505171.98   3633625.90       39.67138  (21011724)                505221.98
3633625.90       39.33526  (21010408)
        502221.98   3633675.90       12.42481  (21012320)                502271.98
3633675.90       11.38142  (21012320)
        502321.98   3633675.90       10.31636  (21012320)                502371.98
3633675.90       11.06108  (21111004)
        502421.98   3633675.90       12.64253  (21111004)                502471.98
3633675.90       14.22999  (21111004)
        502521.98   3633675.90       15.78536  (21111004)                502571.98
3633675.90       17.19368  (21111004)
        502621.98   3633675.90       18.35344  (21111004)                502671.98
3633675.90       19.14228  (21111004)
        504771.98   3633675.90       53.28536  (19010903)                504821.98
3633675.90       54.07858  (21011418)
        504871.98   3633675.90       52.65241  (21011418)                504921.98
3633675.90       47.23426  (21011022)
        504971.98   3633675.90       45.44968  (20021024)                505021.98
3633675.90       45.42630  (21122302)
        505071.98   3633675.90       43.10366  (21011724)                505121.98
3633675.90       43.32032  (21010408)
        505171.98   3633675.90       40.63358  (21011720)                505221.98
3633675.90       38.18896  (21011720)
        502221.98   3633725.90       15.79499  (21012320)                502271.98
3633725.90       15.00496  (21012320)
        502321.98   3633725.90       14.14361  (21012320)                502371.98
3633725.90       13.07573  (21012320)
        502421.98   3633725.90       11.85691  (21012320)                502471.98
```

3633725.90   12.45253 (21111004)
        502521.98   3633725.90   14.27938 (21111004)   502571.98
3633725.90   16.12811 (21111004)
        502621.98   3633725.90   17.90011 (21111004)   502671.98
3633725.90   19.46171 (21111004)
        504771.98   3633725.90   63.35057 (21011418)   504821.98
3633725.90   55.32067 (21011418)
        504871.98   3633725.90   50.00576 (20021024)   504921.98
3633725.90   49.93486 (21122302)
        504971.98   3633725.90   47.35518 (21011724)   505021.98
3633725.90   46.60930 (21010408)
        505071.98   3633725.90   44.29572 (21011720)   505121.98
3633725.90   42.30287 (21011221)
        505171.98   3633725.90   40.98235 (20121406)   505221.98
3633725.90   40.30605 (20121406)
        502221.98   3633775.90   18.69093 (21012320)   502271.98
3633775.90   18.37586 (21012320)
        502321.98   3633775.90   18.02141 (21012320)   502371.98
3633775.90   17.30403 (21012320)
        502421.98   3633775.90   16.36581 (21012320)   502471.98
3633775.90   15.13615 (21012320)
        502521.98   3633775.90   13.73872 (21012320)   502571.98
3633775.90   14.11887 (21111004)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3633775.90 55.45762 (21122302)
504871.98 3633775.90 53.22442 (21122302) 504921.98
3633775.90 51.34838 (21010408)
504971.98 3633775.90 48.61811 (21011720) 505021.98
3633775.90 46.12319 (21011221)
505071.98 3633775.90 45.24138 (20121406) 505121.98
3633775.90 44.44015 (20121406)
505171.98 3633775.90 41.23547 (20021305) 505221.98
3633775.90 40.56080 (20021723)
502221.98 3633825.90 20.55534 (21012320) 502271.98
3633825.90 20.85443 (21012320)
502321.98 3633825.90 21.11146 (21012320) 502371.98
3633825.90 21.06940 (21012320)
502421.98 3633825.90 20.70691 (21012320) 502471.98
3633825.90 20.00994 (21012320)
502521.98 3633825.90 19.01049 (21012320) 502571.98
3633825.90 17.69488 (21012320)
502621.98 3633825.90 16.07685 (21012320) 502671.98
3633825.90 16.14591 (21111004)
504771.98 3633825.90 62.84926 (21122302) 504821.98
3633825.90 58.44414 (21010408)
504871.98 3633825.90 54.53112 (21010408) 504921.98
3633825.90 51.44414 (21011221)
504971.98 3633825.90 50.26013 (20121406) 505021.98
3633825.90 48.11881 (20121406)
505071.98 3633825.90 45.10178 (20021723) 505121.98
3633825.90 45.10293 (20021723)
505171.98 3633825.90 44.05267 (19011606) 505221.98
3633825.90 41.10488 (19011606)
502221.98 3633875.90 20.77354 (21012320) 502271.98
3633875.90 21.75317 (21012320)
502321.98 3633875.90 22.77273 (21012320) 502371.98
3633875.90 23.45439 (21012320)
502421.98 3633875.90 23.95604 (21012320) 502471.98
3633875.90 24.07866 (21012320)
502521.98 3633875.90 23.93560 (21012320) 502571.98
3633875.90 23.38350 (21012320)
502621.98 3633875.90 22.36822 (21012320) 502671.98
3633875.90 20.87710 (21012320)
504771.98 3633875.90 65.03174 (21010408) 504821.98
3633875.90 58.82495 (21011221)
504871.98 3633875.90 56.36322 (20121406) 504921.98
3633875.90 53.06059 (20121406)
504971.98 3633875.90 51.20498 (20021723) 505021.98
3633875.90 49.58841 (19011606)
505071.98 3633875.90 48.47916 (19011606) 505121.98
3633875.90 44.95840 (20012223)
505171.98 3633875.90 42.92085 (21022322) 505221.98
3633875.90 41.23892 (19121305)
502221.98 3633925.90 19.33318 (21012320) 502271.98

```
3633925.90       20.84943  (21012320)
        502321.98   3633925.90       22.42076  (21012320)                502371.98
3633925.90       23.81608  (21012320)
        502421.98   3633925.90       25.23925  (21012320)                502471.98
3633925.90       26.35218  (21012320)
        502521.98   3633925.90       27.26248  (21012320)                502571.98
3633925.90       27.82324  (21012320)
        502621.98   3633925.90       27.94433  (21012320)                502671.98
3633925.90       27.50817  (21012320)
        504771.98   3633925.90       66.17690  (20121406)                504821.98
3633925.90       59.67210  (20021305)
        504871.98   3633925.90       57.54603  (20021723)                504921.98
3633925.90       56.26927  (19011606)
        504971.98   3633925.90       52.93839  (19011606)                505021.98
3633925.90       49.38952  (20012223)
        505071.98   3633925.90       48.03092  (21022322)                505121.98
3633925.90       45.22015  (21010422)
        505171.98   3633925.90       43.01675  (19011923)                505221.98
3633925.90       41.92521  (19011923)
        502221.98   3633975.90       16.51973  (21012320)                502271.98
3633975.90       18.17718  (21012320)
        502321.98   3633975.90       20.05287  (21012320)                502371.98
3633975.90       22.03614  (21012320)
        502421.98   3633975.90       24.03912  (21012320)                502471.98
3633975.90       26.00026  (21012320)
        502521.98   3633975.90       27.91969  (21012320)                502571.98
3633975.90       29.64467  (21012320)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 756
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FORKS    ***
                                   INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                L0000924    , L0000925    , L0000926    , L0000927    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- -
502621.98 3633975.90 31.13839 (21012320) 502671.98
3633975.90 32.18465 (21012320)
504771.98 3633975.90 66.00408 (20021723) 504821.98
3633975.90 62.96636 (19011606)
504871.98 3633975.90 58.43918 (20081804) 504921.98
3633975.90 56.31830 (19121305)
504971.98 3633975.90 52.56781 (21010422) 505021.98
3633975.90 50.50216 (19011923)
505071.98 3633975.90 49.01154 (19011923) 505121.98
3633975.90 45.89878 (19012803)
505171.98 3633975.90 43.47052 (19012803) 505221.98
3633975.90 42.10965 (21121821)
502221.98 3634025.90 14.23595 (19083104) 502271.98
3634025.90 14.47289 (21012320)
502321.98 3634025.90 16.31800 (21012320) 502371.98
3634025.90 18.38240 (21012320)
502421.98 3634025.90 20.59407 (21012320) 502471.98
3634025.90 22.96181 (21012320)
502521.98 3634025.90 25.46720 (21012320) 502571.98
3634025.90 28.06499 (21012320)
502621.98 3634025.90 30.70214 (21012320) 502671.98
3634025.90 33.20903 (21012320)
504771.98 3634025.90 69.00920 (19121305) 504821.98
3634025.90 64.89530 (19121305)
504871.98 3634025.90 58.57008 (19011923) 504921.98
3634025.90 56.74437 (19011923)
504971.98 3634025.90 54.35276 (19012803) 505021.98
3634025.90 51.39926 (21121821)
505071.98 3634025.90 49.31598 (21121821) 505121.98
3634025.90 46.58101 (20121224)
505171.98 3634025.90 44.25090 (20121224) 505221.98
3634025.90 42.26467 (20020703)
502221.98 3634075.90 16.72223 (19083104) 502271.98
3634075.90 17.04070 (19083104)
502321.98 3634075.90 17.34151 (19083104) 502371.98
3634075.90 17.58275 (19083104)
502421.98 3634075.90 17.74660 (19083104) 502471.98
3634075.90 18.02736 (21012320)
502521.98 3634075.90 20.59886 (21012320) 502571.98
3634075.90 23.49317 (21012320)
502621.98 3634075.90 26.58511 (21012320) 502671.98
3634075.90 29.95634 (21012320)
504771.98 3634075.90 67.41459 (19011923) 504821.98
3634075.90 63.39249 (19012803)
504871.98 3634075.90 60.43789 (21121821) 504921.98
3634075.90 57.13577 (20121224)
504971.98 3634075.90 55.29381 (20121224) 505021.98
3634075.90 52.24034 (20020703)
505071.98 3634075.90 49.48156 (20020703) 505121.98

```
3634075.90       46.20790  (21022324)
        505171.98   3634075.90       43.35750  (21022324)                505221.98
3634075.90       41.23553  (20122520)
        502221.98   3634125.90       18.01226  (19083104)                502271.98
3634125.90       18.74939  (19083104)
        502321.98   3634125.90       19.44041  (19083104)                502371.98
3634125.90       20.15545  (19083104)
        502421.98   3634125.90       20.82026  (19083104)                502471.98
3634125.90       21.45119  (19083104)
        502521.98   3634125.90       22.02783  (19083104)                502571.98
3634125.90       22.53879  (19083104)
        502621.98   3634125.90       23.02719  (19083104)                502671.98
3634125.90       23.42174  (21012320)
        504771.98   3634125.90       68.95344  (20121224)                504821.98
3634125.90       64.35709  (20020703)
        504871.98   3634125.90       60.95403  (20020703)                504921.98
3634125.90       57.61089  (21022324)
        504971.98   3634125.90       53.94546  (21022324)                505021.98
3634125.90       52.45616  (20122520)
        505071.98   3634125.90       49.74348  (21122121)                505121.98
3634125.90       48.02064  (21122121)
        505171.98   3634125.90       45.72964  (21122121)                505221.98
3634125.90       44.36444  (20121803)
        502221.98   3634175.90       17.72592  (19083104)                502271.98
3634175.90       18.70966  (19083104)
        502321.98   3634175.90       19.70314  (19083104)                502371.98
3634175.90       20.93463  (19083104)
        502421.98   3634175.90       22.03214  (19083104)                502471.98
3634175.90       23.16359  (19083104)
        502521.98   3634175.90       24.30756  (19083104)                502571.98
3634175.90       25.49187  (19083104)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 757
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FORKS    ***
                                  INCLUDING SOURCE(S):     L0000919    , L0000920
, L0000921    , L0000922    , L0000923    ,
                L0000924    , L0000925    , L0000926    , L0000927    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634175.90	26.68283	(19083104)	502671.98	3634175.90	27.90626	(19083104)
504771.98	3634175.90	68.79734	(20122520)	504821.98	3634175.90	66.19921	(21122121)
504871.98	3634175.90	64.10074	(21122121)	504921.98	3634175.90	60.36068	(20121803)
504971.98	3634175.90	58.64255	(20121803)	505021.98	3634175.90	55.44731	(20121803)
505071.98	3634175.90	51.55900	(20121803)	505121.98	3634175.90	48.15045	(21122201)
505171.98	3634175.90	45.85498	(21122201)	505221.98	3634175.90	43.70689	(21122201)
502221.98	3634225.90	16.03422	(19083104)	502271.98	3634225.90	17.06118	(19083104)
502321.98	3634225.90	18.27201	(19083104)	502371.98	3634225.90	19.59007	(19083104)
502421.98	3634225.90	20.92315	(19083104)	502471.98	3634225.90	22.33847	(19083104)
502521.98	3634225.90	23.83140	(19083104)	502571.98	3634225.90	25.47309	(19083104)
502621.98	3634225.90	27.21424	(19083104)	502671.98	3634225.90	29.09981	(19083104)
504771.98	3634225.90	73.77092	(20121803)	504821.98	3634225.90	68.74877	(21122201)
504871.98	3634225.90	63.90161	(21122201)	504921.98	3634225.90	59.76126	(19021906)
504971.98	3634225.90	56.06521	(19021906)	505021.98	3634225.90	52.48560	(19021906)
505071.98	3634225.90	50.23742	(20022423)	505121.98	3634225.90	47.28492	(20022423)
505171.98	3634225.90	44.76626	(20022423)	505221.98	3634225.90	44.03994	(20013123)
502221.98	3634275.90	13.25670	(19083104)	502271.98	3634275.90	14.19370	(19083104)
502321.98	3634275.90	15.27321	(19083104)	502371.98	3634275.90	16.51789	(19083104)
502421.98	3634275.90	17.78643	(19083104)	502471.98	3634275.90	19.16929	(19083104)
502521.98	3634275.90	20.69861	(19083104)	502571.98	3634275.90	22.37877	(19083104)
502621.98	3634275.90	24.26225	(19083104)	502671.98	3634275.90	26.34598	(19083104)
504771.98	3634275.90	72.58674	(20013123)	504821.98	3634275.90	69.24041	(20013123)
504871.98	3634275.90	65.35636	(20013123)	504921.98			

3634275.90   60.85257 (20013123)
        504971.98   3634275.90   56.10412 (20013123)   505021.98
3634275.90   52.61278 (21121920)
        505071.98   3634275.90   50.20860 (21121920)   505121.98
3634275.90   46.94117 (21121920)
        505171.98   3634275.90   44.86444 (21121920)   505221.98
3634275.90   42.45242 (21013019)
        502221.98   3634325.90   14.23958 (21021102)   502271.98
3634325.90   14.85178 (21021102)
        502321.98   3634325.90   15.49309 (21021102)   502371.98
3634325.90   16.18188 (21021102)
        502421.98   3634325.90   16.91372 (21021102)   502471.98
3634325.90   17.68572 (21021102)
        502521.98   3634325.90   18.61482 (20022619)   502571.98
3634325.90   19.62964 (20022619)
        502621.98   3634325.90   20.73504 (20022619)   502671.98
3634325.90   21.98719 (20022619)
        504771.98   3634325.90   72.47020 (21013019)   504821.98
3634325.90   67.53290 (21013019)
        504871.98   3634325.90   62.53801 (21013019)   504921.98
3634325.90   57.39599 (21013019)
        504971.98   3634325.90   52.84992 (19122101)   505021.98
3634325.90   51.06886 (19122101)
        505071.98   3634325.90   49.05877 (19122101)   505121.98
3634325.90   47.02575 (19122101)
        505171.98   3634325.90   45.17720 (19122101)   505221.98
3634325.90   43.59583 (19122101)
        502221.98   3634375.90   18.89063 (21021102)   502271.98
3634375.90   19.82768 (21021102)
        502321.98   3634375.90   20.76955 (21021102)   502371.98
3634375.90   21.80027 (21021102)
        502421.98   3634375.90   23.04190 (21021102)   502471.98
3634375.90   24.39147 (21021102)
        502521.98   3634375.90   25.89367 (21021102)   502571.98
3634375.90   27.44560 (21021102)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                    INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS

***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634375.90	29.03468	(21021102)	502671.98	3634375.90	30.68885	(21021102)
504771.98	3634375.90	75.61625	(21021007)	504821.98	3634375.90	69.66242	(21021007)
504871.98	3634375.90	65.04562	(21021007)	504921.98	3634375.90	60.84607	(21021007)
504971.98	3634375.90	57.48270	(21021007)	505021.98	3634375.90	54.77304	(21021007)
505071.98	3634375.90	51.84123	(21021007)	505121.98	3634375.90	49.38322	(21021007)
505171.98	3634375.90	46.92030	(21021007)	505221.98	3634375.90	44.76338	(21021007)
502221.98	3634425.90	22.35243	(21021102)	502271.98	3634425.90	23.49339	(21021102)
502321.98	3634425.90	24.70102	(21021102)	502371.98	3634425.90	26.01174	(21021102)
502421.98	3634425.90	27.45173	(21021102)	502471.98	3634425.90	28.99071	(21021102)
502521.98	3634425.90	30.71252	(21021102)	502571.98	3634425.90	32.58080	(21021102)
502621.98	3634425.90	34.64513	(21021102)	502671.98	3634425.90	36.90850	(21021102)
504771.98	3634425.90	69.80203	(21032906)	504821.98	3634425.90	64.33968	(21032906)
504871.98	3634425.90	59.30324	(21032906)	504921.98	3634425.90	56.66081	(21032906)
504971.98	3634425.90	52.97148	(21032906)	505021.98	3634425.90	50.16972	(21032906)
505071.98	3634425.90	47.95803	(21032906)	505121.98	3634425.90	46.13512	(20082306)
505171.98	3634425.90	43.74231	(21101921)	505221.98	3634425.90	41.75209	(21101921)
502221.98	3634475.90	23.39986	(21021102)	502271.98	3634475.90	24.47698	(21021102)
502321.98	3634475.90	25.62102	(21021102)	502371.98	3634475.90	26.84629	(21021102)
502421.98	3634475.90	28.15831	(21021102)	502471.98	3634475.90	29.55487	(21021102)
502521.98	3634475.90	31.08960	(21021102)	502571.98	3634475.90	32.72310	(21021102)
502621.98	3634475.90	34.47983	(21021102)	502671.98			

3634475.90   36.37838 (21021102)
        504771.98   3634475.90   67.85846 (21013119)   504821.98
3634475.90   64.80125 (21013119)
        504871.98   3634475.90   62.11450 (20041201)   504921.98
3634475.90   67.84857 (20041201)
        504971.98   3634475.90   61.24047 (20041201)   505021.98
3634475.90   56.38921 (20041201)
        505071.98   3634475.90   54.17903 (21013119)   505121.98
3634475.90   50.94378 (21013119)
        505171.98   3634475.90   47.29869 (21013119)   505221.98
3634475.90   44.18673 (21013119)
        502221.98   3634525.90   21.78797 (21021102)   502271.98
3634525.90   22.55738 (21021102)
        502321.98   3634525.90   23.36233 (21021102)   502371.98
3634525.90   24.20315 (21021102)
        502421.98   3634525.90   25.06419 (21021102)   502471.98
3634525.90   25.95810 (21021102)
        502521.98   3634525.90   26.87118 (21021102)   502571.98
3634525.90   27.81925 (21021102)
        502621.98   3634525.90   28.77754 (21021102)   502671.98
3634525.90   29.77887 (21021102)
        504771.98   3634525.90   61.97152 (20041201)   504821.98
3634525.90   60.49193 (20041201)
        504871.98   3634525.90   66.64475 (20041201)   504921.98
3634525.90   75.43226 (20041201)
        504971.98   3634525.90   74.36165 (20041201)   505021.98
3634525.90   70.79847 (20041201)
        505071.98   3634525.90   67.14551 (20041201)   505121.98
3634525.90   62.43524 (20041201)
        505171.98   3634525.90   57.28587 (20041201)   505221.98
3634525.90   52.31712 (20041201)
        502221.98   3634575.90   18.09414 (21021102)   502271.98
3634575.90   18.42683 (21021102)
        502321.98   3634575.90   18.77165 (21021102)   502371.98
3634575.90   19.10700 (21021102)
        502421.98   3634575.90   19.42008 (21021102)   502471.98
3634575.90   20.27464 (19101801)
        502521.98   3634575.90   21.34498 (19101801)   502571.98
3634575.90   23.15563 (19050903)

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                    INCLUDING SOURCE(S):   L0000919   , L0000920

```
, L0000921    , L0000922    , L0000923    ,
                L0000924    , L0000925    , L0000926    , L0000927    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3634575.90       25.63293  (19050903)                502671.98
3634575.90       28.39417  (19050903)
        504771.98   3634575.90       82.25574  (20081806)                504821.98
3634575.90       75.00176  (20081806)
        504871.98   3634575.90       73.09574  (20081806)                504921.98
3634575.90       67.63842  (20081806)
        504971.98   3634575.90       61.20814  (20081806)                505021.98
3634575.90       54.99727  (20041201)
        505071.98   3634575.90       54.49034  (20041201)                505121.98
3634575.90       53.39420  (20041201)
        505171.98   3634575.90       48.79963  (20041201)                505221.98
3634575.90       46.61271  (20041201)
        502221.98   3634625.90       15.77982  (19101801)                502271.98
3634625.90       16.74925  (19050903)
        502321.98   3634625.90       18.20540  (19050903)                502371.98
3634625.90       19.82506  (19050903)
        502421.98   3634625.90       21.57681  (19050903)                502471.98
3634625.90       23.46878  (19050903)
        502521.98   3634625.90       25.52252  (19050903)                502571.98
3634625.90       27.66579  (19050903)
        502621.98   3634625.90       29.92344  (19050903)                502671.98
3634625.90       32.25283  (19050903)
        504771.98   3634625.90       76.58993  (21032601)                504821.98
3634625.90       76.51033  (21012820)
        504871.98   3634625.90       73.76191  (21032601)                504921.98
3634625.90       70.58010  (21032601)
        504971.98   3634625.90       68.95171  (20081806)                505021.98
3634625.90       66.21297  (20081806)
        505071.98   3634625.90       61.38347  (20081806)                505121.98
3634625.90       56.38894  (20081806)
        505171.98   3634625.90       47.48212  (20081806)                505221.98
3634625.90       41.77579  (20081806)
        502221.98   3634675.90       18.46054  (19050903)                502271.98
3634675.90       19.83734  (19050903)
        502321.98   3634675.90       21.26131  (19050903)                502371.98
3634675.90       22.72365  (19050903)
        502421.98   3634675.90       24.23914  (19050903)                502471.98
```

3634675.90 25.77316 (19050903)
  502521.98 3634675.90 27.29748 (19050903) 502571.98
3634675.90 28.78949 (19050903)
  502621.98 3634675.90 30.18913 (19050903) 502671.98
3634675.90 31.42089 (19050903)
  504771.98 3634675.90 86.89818 (20082303) 504821.98
3634675.90 77.77555 (20081401)
  504871.98 3634675.90 68.18178 (20081401) 504921.98
3634675.90 63.00283 (21020220)
  504971.98 3634675.90 61.54187 (21020220) 505021.98
3634675.90 57.94619 (21032601)
  505071.98 3634675.90 55.08748 (20081806) 505121.98
3634675.90 54.19703 (20081806)
  505171.98 3634675.90 49.73405 (20081806) 505221.98
3634675.90 45.85864 (20081806)
  502221.98 3634725.90 20.10995 (19050903) 502271.98
3634725.90 21.18596 (19050903)
  502321.98 3634725.90 22.19922 (19050903) 502371.98
3634725.90 23.19483 (19050903)
  502421.98 3634725.90 24.15406 (19050903) 502471.98
3634725.90 24.98466 (19050903)
  502521.98 3634725.90 25.65419 (19050903) 502571.98
3634725.90 26.16451 (19050903)
  502621.98 3634725.90 26.42517 (19050903) 502671.98
3634725.90 26.41438 (19050903)
  504771.98 3634725.90 78.85246 (20082303) 504821.98
3634725.90 75.60252 (20082303)
  504871.98 3634725.90 80.38680 (20081401) 504921.98
3634725.90 64.29016 (20081401)
  504971.98 3634725.90 57.49581 (19022319) 505021.98
3634725.90 54.77982 (19022319)
  505071.98 3634725.90 49.48370 (19022319) 505121.98
3634725.90 44.64753 (19022319)
  505171.98 3634725.90 39.58329 (21020220) 505221.98
3634725.90 39.43615 (21020220)
  502221.98 3634775.90 19.93335 (19050903) 502271.98
3634775.90 20.51639 (19050903)
  502321.98 3634775.90 20.93577 (19050903) 502371.98
3634775.90 21.26833 (19050903)
  502421.98 3634775.90 21.45747 (19050903) 502471.98
3634775.90 21.48535 (19050903)
  502521.98 3634775.90 21.34559 (19050903) 502571.98
3634775.90 20.92015 (19050903)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***

INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634775.90	20.24802	(19050903)	502671.98	3634775.90	19.88230	(19120120)
504771.98	3634775.90	22.36691	(20082303)	504821.98	3634775.90	52.31182	(19042006)
504871.98	3634775.90	65.39711	(19042006)	504921.98	3634775.90	53.12006	(19030607)
504971.98	3634775.90	52.67338	(19030607)	505021.98	3634775.90	45.68027	(20082303)
505071.98	3634775.90	43.21759	(20082303)	505121.98	3634775.90	42.16776	(19022319)
505171.98	3634775.90	37.32795	(19022319)	505221.98	3634775.90	34.97929	(19022319)
502221.98	3634825.90	17.98256	(19050903)	502271.98	3634825.90	18.01465	(19050903)
502321.98	3634825.90	17.89541	(19050903)	502371.98	3634825.90	17.62985	(19050903)
502421.98	3634825.90	17.18310	(19050903)	502471.98	3634825.90	16.55416	(19050903)
502521.98	3634825.90	16.42283	(19120120)	502571.98	3634825.90	18.12821	(19120120)
502621.98	3634825.90	20.34648	(20021724)	502671.98	3634825.90	23.89456	(20021724)
504771.98	3634825.90	12.40264	(20082303)	504821.98	3634825.90	64.89567	(19022007)
504871.98	3634825.90	51.88406	(19022007)	504921.98	3634825.90	51.70831	(20121617)
504971.98	3634825.90	46.85022	(19030607)	505021.98	3634825.90	40.96081	(19030607)
505071.98	3634825.90	40.07920	(19030607)	505121.98	3634825.90	37.76176	(19030607)
505171.98	3634825.90	34.13452	(20082303)	505221.98	3634825.90	32.09854	(20082303)
502221.98	3634875.90	14.83345	(19050903)	502271.98			

```
3634875.90       14.41444  (19050903)
        502321.98   3634875.90       13.87770  (19050903)                502371.98
3634875.90       13.91735  (19022707)
        502421.98   3634875.90       15.21642  (19120120)                502471.98
3634875.90       16.44102  (19120120)
        502521.98   3634875.90       18.92822  (20021724)                502571.98
3634875.90       21.87211  (20021724)
        502621.98   3634875.90       24.95635  (20021724)                502671.98
3634875.90       28.04526  (20021724)
        504771.98   3634875.90       12.13959  (21071520)                504821.98
3634875.90       40.40568  (20011806)
        504871.98   3634875.90       56.18903  (20010802)                504921.98
3634875.90       52.03836  (20041904)
        504971.98   3634875.90       45.02735  (20041202)                505021.98
3634875.90       38.69064  (20082024)
        505071.98   3634875.90       34.93647  (20082024)                505121.98
3634875.90       34.18753  (20082024)
        505171.98   3634875.90       32.53156  (19030607)                505221.98
3634875.90       31.47631  (19030607)
        502221.98   3634925.90       12.00676  (19022707)                502271.98
3634925.90       12.99209  (19120120)
        502321.98   3634925.90       14.01775  (19120120)                502371.98
3634925.90       15.31936  (20021724)
        502421.98   3634925.90       17.63754  (20021724)                502471.98
3634925.90       20.08103  (20021724)
        502521.98   3634925.90       22.61346  (20021724)                502571.98
3634925.90       25.09702  (20021724)
        502621.98   3634925.90       29.78332  (21011719)                502671.98
3634925.90       36.79816  (21011719)
        504771.98   3634925.90       15.61355  (21071520)                504821.98
3634925.90       48.22329  (20011806)
        504871.98   3634925.90       56.85211  (20010802)                504921.98
3634925.90       59.68711  (20082106)
        504971.98   3634925.90       51.33522  (20082106)                505021.98
3634925.90       37.88849  (20041202)
        505071.98   3634925.90       33.98250  (20072505)                505121.98
3634925.90       33.11231  (20072505)
        505171.98   3634925.90       31.94982  (20082024)                505221.98
3634925.90       31.21169  (20082024)
        502221.98   3634975.90       12.86987  (19120120)                502271.98
3634975.90       14.47063  (20021724)
        502321.98   3634975.90       16.44581  (20021724)                502371.98
3634975.90       18.51939  (20021724)
        502421.98   3634975.90       20.61480  (20021724)                502471.98
3634975.90       22.63697  (20021724)
        502521.98   3634975.90       26.80437  (21011719)                502571.98
3634975.90       32.62483  (21011719)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 ,
L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634975.90	37.89002	(21011719)	502671.98	3634975.90	41.64300	(21011719)
504821.98	3634975.90	44.32416	(20011806)	504871.98	3634975.90	50.22669	(21122806)
504921.98	3634975.90	58.53069	(20092620)	504971.98	3634975.90	55.46632	(20082106)
505021.98	3634975.90	48.04378	(20082106)	505071.98	3634975.90	39.90644	(20082106)
505121.98	3634975.90	36.12729	(20082106)	505171.98	3634975.90	34.20696	(20041202)
505221.98	3634975.90	31.83564	(20041202)	502221.98	3635025.90	15.37095	(20021724)
502271.98	3635025.90	17.13895	(20021724)	502321.98	3635025.90	18.89453	(20021724)
502371.98	3635025.90	20.57183	(20021724)	502421.98	3635025.90	24.28832	(21011719)
502471.98	3635025.90	29.20150	(21011719)	502521.98	3635025.90	33.65211	(21011719)
502571.98	3635025.90	36.91026	(21011719)	502621.98	3635025.90	38.25428	(21011719)
502671.98	3635025.90	37.15854	(21011719)	504871.98	3635025.90	54.82090	(19030707)
504921.98	3635025.90	60.38236	(20092620)	504971.98	3635025.90	60.21660	(20092620)
505021.98	3635025.90	48.67713	(21011602)	505071.98	3635025.90	45.92495	(20082106)
505121.98	3635025.90	46.16312	(20082106)	505171.98	3635025.90	42.22426	(20082106)
505221.98	3635025.90	35.99744	(20082106)	502221.98			

3635075.90 17.39160 (20021724)
502271.98 3635075.90 18.80264 (20021724) 502321.98
3635075.90 22.13542 (21011719)
502371.98 3635075.90 26.33283 (21011719) 502421.98
3635075.90 30.13826 (21011719)
502471.98 3635075.90 32.99710 (21011719) 502521.98
3635075.90 34.34681 (21011719)
502571.98 3635075.90 33.76387 (21011719) 502621.98
3635075.90 31.12287 (21011719)
502671.98 3635075.90 29.77686 (20022207) 504921.98
3635075.90 58.06940 (19030707)
504971.98 3635075.90 57.02301 (20092620) 505021.98
3635075.90 55.50999 (20092620)
505071.98 3635075.90 51.29102 (20082302) 505121.98
3635075.90 46.91597 (21011602)
505171.98 3635075.90 46.43220 (20082106) 505221.98
3635075.90 44.57470 (20082106)
502221.98 3635125.90 20.27630 (21011719) 502271.98
3635125.90 23.90186 (21011719)
502321.98 3635125.90 27.19238 (21011719) 502371.98
3635125.90 29.71801 (21011719)
502421.98 3635125.90 31.03374 (21011719) 502471.98
3635125.90 30.79285 (21011719)
502521.98 3635125.90 28.86416 (21011719) 502571.98
3635125.90 25.40332 (21011719)
502621.98 3635125.90 29.58918 (20022207) 502671.98
3635125.90 33.56613 (20022207)
505021.98 3635125.90 49.15441 (20092620) 505071.98
3635125.90 54.20356 (20092620)
505121.98 3635125.90 51.14160 (20092620) 505171.98
3635125.90 44.04352 (20092620)
505221.98 3635125.90 43.97135 (20092620) 502221.98
3635175.90 24.69010 (21011719)
502271.98 3635175.90 26.94255 (21011719) 502321.98
3635175.90 28.20332 (21011719)
502371.98 3635175.90 28.19809 (21011719) 502421.98
3635175.90 26.79091 (21011719)
502471.98 3635175.90 24.06303 (21011719) 502521.98
3635175.90 25.24650 (20022207)
502571.98 3635175.90 29.00051 (20022207) 502621.98
3635175.90 32.05261 (20022207)
502671.98 3635175.90 33.90267 (20022207) 505121.98
3635175.90 40.56473 (19030707)
505171.98 3635175.90 38.91821 (19030707) 505221.98
3635175.90 38.87903 (20092620)
502221.98 3635225.90 25.76173 (21011719) 502271.98
3635225.90 25.92342 (21011719)
502321.98 3635225.90 24.90923 (21011719) 502371.98
3635225.90 22.75563 (21011719)
502421.98 3635225.90 21.65872 (20022207) 502471.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920 , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635375.90 21.33026 (20022207)
502321.98 3635375.90 27.28555 (20022207) 502371.98
3635375.90 32.75693 (20022207)
502421.98 3635375.90 35.87597 (19012005) 502471.98
3635375.90 37.19655 (19012005)
502521.98 3635375.90 33.20264 (21012023) 502571.98
3635375.90 26.49469 (21012023)
502621.98 3635375.90 26.62951 (21012023) 502671.98
3635375.90 25.33830 (21012023)
502221.98 3635425.90 31.26283 (21052423) 502271.98
3635425.90 22.32227 (20022207)
502321.98 3635425.90 30.67096 (20022207) 502371.98
3635425.90 32.20217 (19012005)
502421.98 3635425.90 33.79179 (20122320) 502471.98
3635425.90 36.13256 (21012023)
502521.98 3635425.90 37.01784 (21012023) 502571.98
3635425.90 35.30785 (21012023)
502621.98 3635425.90 31.85780 (21012023) 502671.98
3635425.90 32.31374 (20122721)
504771.98 3635425.90 20.57629 (19030801) 502221.98
3635475.90 30.37191 (21031323)
502271.98 3635475.90 30.86824 (19012005) 502321.98
3635475.90 31.92773 (19012005)
502371.98 3635475.90 32.24901 (20122320) 502421.98
3635475.90 34.59200 (21012023)
502471.98 3635475.90 37.66982 (21012023) 502521.98
3635475.90 33.91989 (21012023)
502571.98 3635475.90 30.30960 (20122721) 502621.98
3635475.90 31.86274 (20122721)
502671.98 3635475.90 34.98799 (20070801) 504771.98
3635475.90 42.54838 (21122618)
504821.98 3635475.90 45.07030 (21122618) 504871.98
3635475.90 44.51218 (21122618)
504921.98 3635475.90 36.73703 (21122618) 502221.98
3635525.90 39.04732 (19012005)
502271.98 3635525.90 31.87551 (19012005) 502321.98
3635525.90 31.37616 (20071201)
502371.98 3635525.90 32.76186 (21012023) 502421.98
3635525.90 33.93027 (21012023)
502471.98 3635525.90 32.81577 (21012023) 502521.98
3635525.90 30.51054 (20122721)
502571.98 3635525.90 32.50906 (20122721) 502621.98
3635525.90 35.95558 (20070801)
502671.98 3635525.90 36.78557 (20070801) 502721.98
3635525.90 44.27363 (20070802)
502771.98 3635525.90 47.55081 (20070802) 502821.98
3635525.90 47.24523 (20111121)
502871.98 3635525.90 50.70008 (19091321) 502921.98
3635525.90 52.32682 (19091321)
502971.98 3635525.90 57.88889 (20042421) 503021.98

3635525.90   57.01172 (20042421)
        503071.98   3635525.90   43.81268 (20110924)   503121.98
3635525.90   24.07793 (19121706)
        503171.98   3635525.90   21.62919 (19020322)   503221.98
3635525.90   48.24995 (20091222)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503271.98   3635525.90   52.83452 (19111601)   503321.98
3635525.90   55.82872 (20033120)
        503371.98   3635525.90   59.76566 (19071201)   503421.98
3635525.90   65.72529 (20101023)
        503471.98   3635525.90   66.40202 (21061224)   503521.98
3635525.90   76.05613 (19031924)
        503571.98   3635525.90   62.23191 (20090823)   503621.98
3635525.90   54.45420 (21081004)
        503671.98   3635525.90   54.71682 (19101219)   503721.98
3635525.90   55.36683 (21012024)
        503771.98   3635525.90   62.32230 (20071102)   503821.98
3635525.90   52.74853 (20071102)
        503871.98   3635525.90   51.95112 (19013104)   503921.98
3635525.90   70.85445 (19122420)
        503971.98   3635525.90   72.54555 (19122420)   504021.98
3635525.90   55.16880 (20092001)
        504071.98   3635525.90   24.02965 (21013118)   504121.98
3635525.90   29.98020 (21013118)
        504171.98   3635525.90   32.27040 (21013118)   504221.98
3635525.90   30.18895 (21013118)
        504271.98   3635525.90   24.69136 (21013118)   504321.98

3635525.90 17.86561 (21013118)
504371.98 3635525.90 11.59019 (21013118) 504421.98
3635525.90 9.30678 (19031219)
504471.98 3635525.90 11.93583 (20040223) 504521.98
3635525.90 14.32293 (20040223)
504571.98 3635525.90 17.20154 (20011620) 504621.98
3635525.90 20.48289 (20011620)
504671.98 3635525.90 22.61050 (20011620) 504721.98
3635525.90 41.78205 (21090701)
504771.98 3635525.90 40.16326 (21090701) 504821.98
3635525.90 42.22193 (21122618)
504871.98 3635525.90 46.35683 (21122618) 504921.98
3635525.90 40.37117 (21122618)
504971.98 3635525.90 35.71900 (21122618) 505021.98
3635525.90 33.22291 (20091421)
505071.98 3635525.90 28.12560 (21012617) 505121.98
3635525.90 29.52356 (19102623)
505171.98 3635525.90 31.84091 (19102623) 505221.98
3635525.90 30.62615 (19102623)
502221.98 3635575.90 38.25007 (19083024) 502271.98
3635575.90 32.50630 (20071201)
502321.98 3635575.90 31.85431 (21012023) 502371.98
3635575.90 32.29246 (21012023)
502421.98 3635575.90 31.50130 (21072005) 502471.98
3635575.90 31.23296 (21110406)
502521.98 3635575.90 31.62433 (20070801) 502571.98
3635575.90 33.88143 (20070801)
502621.98 3635575.90 34.35351 (20070801) 502671.98
3635575.90 41.96784 (20070802)
502721.98 3635575.90 46.53853 (20070802) 502771.98
3635575.90 45.26378 (19100620)
502821.98 3635575.90 48.78209 (19091321) 502871.98
3635575.90 52.21676 (19091321)
502921.98 3635575.90 54.84027 (20042421) 502971.98
3635575.90 59.22878 (20042421)
503021.98 3635575.90 50.92662 (20042421) 503071.98
3635575.90 49.95877 (20110924)
503121.98 3635575.90 19.95943 (19121706) 503171.98
3635575.90 21.48891 (19020322)
503221.98 3635575.90 60.82950 (20091222) 503271.98
3635575.90 57.67752 (19111601)
503321.98 3635575.90 66.05817 (20033120) 503371.98
3635575.90 68.14338 (19071201)
503421.98 3635575.90 70.18285 (20101023) 503471.98
3635575.90 66.34642 (21061224)
503521.98 3635575.90 72.20428 (19031924) 503571.98
3635575.90 64.71305 (20090823)
503621.98 3635575.90 62.17348 (21081004) 503671.98
3635575.90 60.42050 (19101219)
503721.98 3635575.90 55.64351 (19101219) 503771.98

3635575.90   59.65695 (20071102)
        503821.98   3635575.90   47.90499 (20071102)   503871.98
3635575.90   51.61490 (21061222)
        503921.98   3635575.90   65.69962 (19122420)   503971.98
3635575.90   70.26136 (19122420)
        504021.98   3635575.90   18.95168 (21041323)   504071.98
3635575.90   20.77604 (21013118)
        504121.98   3635575.90   26.84777 (21013118)   504171.98
3635575.90   30.15957 (21013118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                   INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635575.90 31.65490 (20091421)
505121.98 3635575.90 31.26483 (20091421) 505171.98
3635575.90 26.49894 (19102623)
505221.98 3635575.90 33.03846 (19102623) 502221.98
3635625.90 35.76474 (20071201)
502271.98 3635625.90 34.77102 (20071201) 502321.98
3635625.90 32.96438 (21072005)
502371.98 3635625.90 29.75404 (21072005) 502421.98
3635625.90 34.73325 (21110406)
502471.98 3635625.90 36.94989 (20070801) 502521.98
3635625.90 38.72058 (20070801)
502571.98 3635625.90 34.05166 (20070801) 502621.98
3635625.90 37.41783 (20070802)
502671.98 3635625.90 43.81103 (20070802) 502721.98
3635625.90 44.51008 (19100620)
502771.98 3635625.90 46.58501 (19091321) 502821.98
3635625.90 52.11462 (19091321)
502871.98 3635625.90 52.05662 (21061223) 502921.98
3635625.90 58.46044 (20042421)
502971.98 3635625.90 53.68847 (20042421) 503021.98
3635625.90 50.81317 (20110924)
503071.98 3635625.90 58.64902 (20110924) 503121.98
3635625.90 57.20018 (19073101)
503171.98 3635625.90 59.40865 (20091222) 503221.98
3635625.90 57.02535 (19111601)
503271.98 3635625.90 55.24258 (20033120) 503321.98
3635625.90 61.83719 (20033120)
503371.98 3635625.90 66.64899 (20101023) 503421.98
3635625.90 62.80049 (20101023)
503471.98 3635625.90 61.91238 (20120224) 503521.98
3635625.90 60.84775 (20090823)
503571.98 3635625.90 59.33831 (21081004) 503621.98
3635625.90 67.81281 (21081004)
503671.98 3635625.90 67.45209 (19101219) 503721.98
3635625.90 59.11322 (19021305)
503771.98 3635625.90 64.44941 (20071102) 503821.98
3635625.90 50.33687 (20071102)
503871.98 3635625.90 45.77648 (21061222) 503921.98
3635625.90 59.49280 (19122420)
503971.98 3635625.90 65.53607 (19122420) 504021.98
3635625.90 18.46632 (21041323)
504071.98 3635625.90 17.89637 (21013118) 504121.98
3635625.90 23.86719 (21013118)
504171.98 3635625.90 27.86304 (21013118) 504221.98
3635625.90 28.56901 (21013118)
504271.98 3635625.90 25.88770 (21013118) 504321.98
3635625.90 20.88056 (21013118)
504371.98 3635625.90 15.10403 (21013118) 504421.98
3635625.90 9.92358 (21013118)
504471.98 3635625.90 8.31875 (19031219) 504521.98

3635625.90   9.90780 (20040223)
        504571.98   3635625.90   12.01812 (20040223)   504621.98
3635625.90   13.77130 (20011620)
        504671.98   3635625.90   16.82825 (20011620)   504721.98
3635625.90   19.18085 (20011620)
        504771.98   3635625.90   34.82442 (21090701)   504821.98
3635625.90   38.47430 (21090701)
        504871.98   3635625.90   34.84527 (21090701)   504921.98
3635625.90   17.67882 (20011620)
        504971.98   3635625.90   40.78289 (21122618)   505021.98
3635625.90   23.82277 (21122618)
        505071.98   3635625.90   20.94505 (21012617)   505121.98
3635625.90   30.42430 (20091421)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                    INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635675.90 48.68653 (19091321)
502821.98 3635675.90 48.91832 (19071423) 502871.98
3635675.90 53.39897 (20042421)
502921.98 3635675.90 50.51945 (19121706) 502971.98
3635675.90 46.30106 (19121706)
503021.98 3635675.90 45.47137 (20110924) 503071.98
3635675.90 45.58113 (20110924)
503121.98 3635675.90 44.98350 (19073101) 503171.98
3635675.90 45.84150 (20091222)
503221.98 3635675.90 45.37115 (19111601) 503271.98
3635675.90 48.97949 (20033120)
503321.98 3635675.90 50.98998 (19071201) 503371.98
3635675.90 56.37705 (20101023)
503421.98 3635675.90 58.12965 (20120224) 503471.98
3635675.90 58.05647 (20120224)
503521.98 3635675.90 54.16923 (20090823) 503571.98
3635675.90 56.38917 (21081004)
503621.98 3635675.90 64.04739 (21081004) 503671.98
3635675.90 65.56183 (19101219)
503721.98 3635675.90 58.50527 (19021305) 503771.98
3635675.90 64.02693 (20071102)
503821.98 3635675.90 50.67465 (20071102) 503871.98
3635675.90 48.40580 (21061222)
503921.98 3635675.90 58.88635 (19122420) 503971.98
3635675.90 65.21233 (19122420)
504021.98 3635675.90 44.57834 (19122420) 504071.98
3635675.90 15.37314 (21013118)
504121.98 3635675.90 21.09053 (21013118) 504171.98
3635675.90 25.49072 (21013118)
504221.98 3635675.90 27.21030 (21013118) 504271.98
3635675.90 25.77465 (21013118)
504321.98 3635675.90 21.80478 (21013118) 504371.98
3635675.90 16.59132 (21013118)
504421.98 3635675.90 11.45777 (21013118) 504471.98
3635675.90 8.08706 (19031219)
504521.98 3635675.90 8.02651 (20040223) 504571.98
3635675.90 10.07335 (20040223)
504621.98 3635675.90 11.91421 (20040223) 504671.98
3635675.90 13.83354 (20011620)
504721.98 3635675.90 16.52480 (20011620) 504771.98
3635675.90 32.43349 (21090701)
504821.98 3635675.90 34.83636 (21090701) 504871.98
3635675.90 35.15047 (21090701)
504921.98 3635675.90 19.19541 (20011620) 504971.98
3635675.90 36.80663 (21122618)
505021.98 3635675.90 37.55111 (21122618) 505071.98
3635675.90 27.84853 (21122618)
505121.98 3635675.90 33.11186 (21122618) 505171.98
3635675.90 28.85334 (20091421)
505221.98 3635675.90 23.71206 (21012617) 502221.98

3635725.90   32.98511 (21012023)
        502271.98   3635725.90   29.92373 (20121101)   502321.98
3635725.90   31.95410 (21110406)
        502371.98   3635725.90   33.87999 (20070801)   502421.98
3635725.90   35.19679 (20070801)
        502471.98   3635725.90   33.17440 (20070801)   502521.98
3635725.90   36.32385 (20070802)
        502571.98   3635725.90   40.50101 (20070802)   502621.98
3635725.90   39.78039 (19100620)
        502671.98   3635725.90   41.33896 (20111121)   502721.98
3635725.90   45.94201 (19091321)
        502771.98   3635725.90   46.07724 (19071423)   502821.98
3635725.90   48.84601 (20042421)
        502871.98   3635725.90   49.76077 (20042421)   502921.98
3635725.90   47.86373 (19121706)
        502971.98   3635725.90   38.50078 (19121706)   503021.98
3635725.90   40.33570 (21100523)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3635725.90       51.29076  (20090823)
        503571.98   3635725.90       55.57801  (21081004)                503621.98
3635725.90       58.02937  (21081004)
        503671.98   3635725.90       62.56023  (19101219)                503721.98
3635725.90       55.64490  (19021305)
        503771.98   3635725.90       60.80231  (20071102)                503821.98
3635725.90       49.10760  (20071102)
        503871.98   3635725.90       48.75345  (21061222)                503921.98
3635725.90       54.82118  (19013104)
        503971.98   3635725.90       65.15372  (19122420)                504021.98
3635725.90       47.86662  (19122420)
        504071.98   3635725.90       44.88870  (20092001)                504121.98
3635725.90       21.86387  (21013118)
        504171.98   3635725.90       23.12088  (21013118)                504221.98
3635725.90       39.63080  (21013118)
        504271.98   3635725.90       38.94645  (21013118)                504321.98
3635725.90       22.34425  (21013118)
        504371.98   3635725.90       17.81316  (21013118)                504421.98
3635725.90       12.90449  (21013118)
        504471.98   3635725.90        8.57960  (21013118)                504521.98
3635725.90       27.86930  (19022602)
        504571.98   3635725.90        8.30399  (20040223)                504621.98
3635725.90       10.14830  (20040223)
        504671.98   3635725.90       23.93852  (21121422)                504721.98
3635725.90       13.81373  (20011620)
        504771.98   3635725.90       16.16949  (20011620)                504821.98
3635725.90       24.38027  (20011620)
        504871.98   3635725.90       18.54564  (20011620)                504921.98
3635725.90       18.31249  (20011620)
        504971.98   3635725.90       31.70893  (21081602)                505021.98
3635725.90       36.40515  (21122618)
        505071.98   3635725.90       35.41482  (21122618)                505121.98
3635725.90       37.16876  (21122618)
        505171.98   3635725.90       31.62600  (21122618)                505221.98
3635725.90       26.73664  (20091421)
        502221.98   3635775.90       31.49485  (20122721)                502271.98
3635775.90       32.01237  (20122721)
        502321.98   3635775.90       32.02872  (20070801)                502371.98
3635775.90       33.46880  (20070801)
        502421.98   3635775.90       31.41510  (20070801)                502471.98
3635775.90       34.04777  (20070802)
        502521.98   3635775.90       38.19331  (20070802)                502571.98
3635775.90       38.57955  (20070802)
        502621.98   3635775.90       39.22956  (20111121)                502671.98
3635775.90       42.50982  (19091321)
        502721.98   3635775.90       44.60047  (19091321)                502771.98
3635775.90       45.70562  (20042421)
        502821.98   3635775.90       48.79226  (20042421)                502871.98
3635775.90       45.05549  (19121706)
        502921.98   3635775.90       40.81597  (19121706)                502971.98
```

3635775.90   37.32420 (20110924)
        503021.98   3635775.90   39.00480 (21041406)   503071.98
3635775.90   43.32353 (21021621)
        503121.98   3635775.90   41.63202 (21021621)   503171.98
3635775.90   40.54549 (21112718)
        503221.98   3635775.90   47.88348 (19050823)   503271.98
3635775.90   45.77714 (21100603)
        503321.98   3635775.90   49.22119 (21100603)   503371.98
3635775.90   50.10854 (20120224)
        503421.98   3635775.90   56.83678 (20120224)   503471.98
3635775.90   50.69245 (19072124)
        503521.98   3635775.90   49.83260 (21021806)   503571.98
3635775.90   49.26491 (21021806)
        503621.98   3635775.90   47.58590 (21081004)   503671.98
3635775.90   57.31952 (19101219)
        503721.98   3635775.90   53.22985 (19021305)   503771.98
3635775.90   57.56359 (20071102)
        503821.98   3635775.90   47.27541 (20071102)   503871.98
3635775.90   48.90566 (21061222)
        503921.98   3635775.90   54.11929 (19013104)   503971.98
3635775.90   65.20893 (19122420)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3635775.90       40.57151  (21013118)
        504321.98   3635775.90       38.94730  (20121721)                504371.98
3635775.90       23.06877  (20121721)
        504421.98   3635775.90       14.20918  (21013118)                504471.98
3635775.90       27.53148  (20092821)
        504521.98   3635775.90       36.30220  (19022602)                504571.98
3635775.90        6.97387  (21032918)
        504621.98   3635775.90       29.42522  (21121422)                504671.98
3635775.90       18.41221  (21121422)
        504721.98   3635775.90       11.54485  (20040223)                504771.98
3635775.90       13.72370  (20011620)
        504821.98   3635775.90       15.77427  (20011620)                504871.98
3635775.90       17.13371  (20011620)
        504921.98   3635775.90       18.61017  (20011620)                504971.98
3635775.90       33.25195  (21090701)
        505021.98   3635775.90       32.15774  (21081602)                505071.98
3635775.90       32.80357  (21122618)
        505121.98   3635775.90       36.31499  (21122618)                505171.98
3635775.90       34.88990  (21122618)
        505221.98   3635775.90       30.06646  (21122618)                502221.98
3635825.90       34.35907  (20122721)
        502271.98   3635825.90       31.99530  (20122721)                502321.98
3635825.90       31.10429  (20070801)
        502371.98   3635825.90       29.96055  (20070801)                502421.98
3635825.90       31.79418  (20070802)
        502471.98   3635825.90       36.00227  (20070802)                502521.98
3635825.90       36.35341  (20070802)
        502571.98   3635825.90       37.31465  (21121424)                502621.98
3635825.90       39.29610  (19091321)
        502671.98   3635825.90       42.15813  (19091321)                502721.98
3635825.90       41.88485  (19071423)
        502771.98   3635825.90       46.74852  (20042421)                502821.98
3635825.90       44.15654  (20042421)
        502871.98   3635825.90       40.70001  (19121706)                502921.98
3635825.90       34.32200  (21100523)
        502971.98   3635825.90       36.17636  (21100523)                503021.98
3635825.90       40.28880  (21021621)
        503071.98   3635825.90       42.30892  (21021621)                503121.98
3635825.90       41.35024  (21112718)
        503171.98   3635825.90       42.60339  (19050823)                503221.98
3635825.90       45.68192  (19050823)
        503271.98   3635825.90       46.11953  (21100603)                503321.98
3635825.90       45.90869  (21100603)
        503371.98   3635825.90       51.32834  (20120224)                503421.98
3635825.90       53.80812  (20120224)
        503471.98   3635825.90       49.07169  (19072124)                503521.98
3635825.90       45.17591  (21021806)
        503571.98   3635825.90       47.58974  (19051001)                503621.98
3635825.90       42.64670  (19080922)
        503671.98   3635825.90       48.68839  (19101219)                503721.98
```

3635825.90   49.47056 (21012024)
        503771.98   3635825.90   54.31250 (20071102)   503821.98
3635825.90   44.69603 (20071102)
        503871.98   3635825.90   45.42600 (21061222)   503921.98
3635825.90   50.93853 (19013104)
        503971.98   3635825.90   60.95304 (19122420)   504021.98
3635825.90   55.81421 (19122420)
        504071.98   3635825.90   51.29033 (20092001)   504121.98
3635825.90   57.50821 (20092001)
        504171.98   3635825.90   50.01949 (21060422)   504221.98
3635825.90   49.40113 (21060422)
        504271.98   3635825.90   44.41755 (21070824)   504321.98
3635825.90   43.66887 (19012903)
        504371.98   3635825.90   43.21002 (20121721)   504421.98
3635825.90   40.07660 (20121721)
        504471.98   3635825.90   38.10883 (20092821)   504521.98
3635825.90   35.35100 (19022602)
        504571.98   3635825.90   36.18870 (19022602)   504621.98
3635825.90   34.12273 (19022602)
        504671.98   3635825.90   28.15784 (21121422)   504721.98
3635825.90   10.11267 (20040223)
        504771.98   3635825.90   11.35662 (20011620)   504821.98
3635825.90   16.47676 (20011620)
        504871.98   3635825.90   22.49546 (21090701)   504921.98
3635825.90   24.59538 (21090701)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3635825.90 30.79376 (21090701)
505071.98 3635825.90 29.93795 (21081602) 505121.98
3635825.90 32.86785 (21122618)
505171.98 3635825.90 35.38696 (21122618) 505221.98
3635825.90 33.83592 (21122618)
502221.98 3635875.90 33.86684 (20122721) 502271.98
3635875.90 29.18320 (20122721)
502321.98 3635875.90 28.86272 (19031105) 502371.98
3635875.90 30.12722 (20070802)
502421.98 3635875.90 33.73554 (20070802) 502471.98
3635875.90 34.64684 (20070802)
502521.98 3635875.90 36.49522 (21121424) 502571.98
3635875.90 36.29596 (21121424)
502621.98 3635875.90 38.37263 (19091321) 502671.98
3635875.90 38.84256 (19071423)
502721.98 3635875.90 42.71462 (20042421) 502771.98
3635875.90 43.52524 (20042421)
502821.98 3635875.90 40.32398 (19121706) 502871.98
3635875.90 34.39744 (19121706)
502921.98 3635875.90 35.97322 (21100523) 502971.98
3635875.90 35.64437 (21041406)
503021.98 3635875.90 40.67428 (21021621) 503071.98
3635875.90 39.12854 (21112718)
503121.98 3635875.90 39.26646 (21112718) 503171.98
3635875.90 43.30233 (19050823)
503221.98 3635875.90 42.36288 (19050823) 503271.98
3635875.90 45.45345 (21100603)
503321.98 3635875.90 41.98768 (19080122) 503371.98
3635875.90 51.22402 (20120224)
503421.98 3635875.90 49.65765 (20120224) 503471.98
3635875.90 46.91132 (19072124)
503521.98 3635875.90 43.36840 (19051001) 503571.98
3635875.90 45.35396 (19051001)
503621.98 3635875.90 40.40950 (19080922) 503671.98
3635875.90 46.43727 (19101219)
503721.98 3635875.90 47.78832 (21012024) 503771.98
3635875.90 50.50140 (20071102)
503821.98 3635875.90 41.63602 (20071102) 503871.98
3635875.90 39.67371 (21061222)
503921.98 3635875.90 46.63760 (19013104) 503971.98
3635875.90 56.76998 (19122420)
504021.98 3635875.90 57.33670 (19122420) 504071.98
3635875.90 49.66148 (21062624)
504121.98 3635875.90 54.89489 (20092001) 504171.98
3635875.90 49.96292 (20092001)
504221.98 3635875.90 53.56843 (21060422) 504271.98
3635875.90 44.68941 (21060422)
504321.98 3635875.90 45.77462 (19012903) 504371.98
3635875.90 46.80722 (20121721)
504421.98 3635875.90 49.68503 (20121721) 504471.98

3635875.90   41.28392 (20092821)
        504521.98   3635875.90   37.00947 (20092821)   504571.98
3635875.90   36.36863 (19022602)
        504621.98   3635875.90   36.68198 (19022602)   504671.98
3635875.90   33.41291 (21121422)
        504721.98   3635875.90   8.71315 (20040223)   504771.98
3635875.90   10.01318 (20040223)
        504821.98   3635875.90   18.18097 (21121422)   504871.98
3635875.90   19.45573 (21061321)
        504921.98   3635875.90   22.54686 (21090701)   504971.98
3635875.90   29.01393 (21090701)
        505021.98   3635875.90   29.75033 (21090701)   505071.98
3635875.90   28.16918 (21090701)
        505121.98   3635875.90   28.17144 (21081602)   505171.98
3635875.90   32.17769 (21122618)
        505221.98   3635875.90   34.41332 (21122618)   502221.98
3635925.90   30.54985 (19031105)
        502271.98   3635925.90   29.12179 (19031105)   502321.98
3635925.90   27.95545 (20040823)
        502371.98   3635925.90   32.19776 (20070802)   502421.98
3635925.90   32.78405 (20070802)
        502471.98   3635925.90   34.56203 (21121424)   502521.98
3635925.90   36.16892 (21121424)
        502571.98   3635925.90   35.20480 (19091321)   502621.98
3635925.90   35.55260 (19071423)
        502671.98   3635925.90   37.97725 (20042421)   502721.98
3635925.90   40.64297 (20042421)
        502771.98   3635925.90   39.24127 (19121706)   502821.98
3635925.90   35.80881 (19121706)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920 , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)

```
Y-COORD (M)        CONC     (YYMMDDHH)
 - - -
```

3635925.90   34.12667 (21122618)
        502221.98   3635975.90   30.72933 (19031105)   502271.98
3635975.90   28.14457 (20040823)
        502321.98   3635975.90   27.46576 (20070802)   502371.98
3635975.90   31.05655 (20070802)
        502421.98   3635975.90   33.36289 (21121424)   502471.98
3635975.90   34.58626 (21121424)
        502521.98   3635975.90   32.86758 (21121424)   502571.98
3635975.90   34.00985 (19071423)
        502621.98   3635975.90   34.78743 (20042421)   502671.98
3635975.90   37.26902 (20042421)
        502721.98   3635975.90   38.88916 (19121706)   502771.98
3635975.90   36.48462 (19121706)
        502821.98   3635975.90   30.22015 (20110924)   502871.98
3635975.90   32.82837 (20110924)
        502921.98   3635975.90   33.30089 (20070104)   502971.98
3635975.90   37.21856 (21021621)
        503021.98   3635975.90   36.04090 (21112718)   503071.98
3635975.90   36.64590 (21112718)
        503121.98   3635975.90   39.79333 (19050823)   503171.98
3635975.90   40.17064 (19050823)
        503221.98   3635975.90   41.30199 (21100603)   503271.98
3635975.90   40.69402 (21100603)
        503321.98   3635975.90   43.61594 (20120224)   503371.98
3635975.90   48.59931 (20120224)
        503421.98   3635975.90   44.87023 (19072124)   503471.98
3635975.90   39.51805 (20052321)
        503521.98   3635975.90   42.27204 (19051001)   503571.98
3635975.90   39.42443 (19051001)
        503621.98   3635975.90   37.13042 (19101219)   503671.98
3635975.90   43.87912 (21041324)
        503721.98   3635975.90   45.26939 (21012024)   503771.98
3635975.90   42.75137 (19072223)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                 INCLUDING SOURCE(S):   L0000919   , L0000920 , L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503821.98	3635975.90	36.05234	(19072223)	503871.98	3635975.90	35.07532	(21061222)
503921.98	3635975.90	41.08724	(19013104)	503971.98	3635975.90	48.91685	(19122420)
504021.98	3635975.90	52.17968	(19122420)	504071.98	3635975.90	43.25610	(21062101)
504121.98	3635975.90	43.24896	(20092001)	504171.98	3635975.90	42.75611	(20092001)
504221.98	3635975.90	41.44050	(21060422)	504271.98	3635975.90	42.90504	(21060422)
504321.98	3635975.90	43.85087	(21013118)	504371.98	3635975.90	41.38361	(21013118)
504421.98	3635975.90	43.54963	(20121721)	504471.98	3635975.90	47.90287	(20121721)
504521.98	3635975.90	45.91686	(20092821)	504571.98	3635975.90	42.34088	(20092821)
504621.98	3635975.90	42.00568	(19022602)	504671.98	3635975.90	43.22917	(19022602)
504721.98	3635975.90	37.67594	(20011818)	504771.98	3635975.90	37.39002	(21121422)
504821.98	3635975.90	31.14732	(21121422)	504871.98	3635975.90	24.17811	(21121422)
504921.98	3635975.90	20.23027	(21061321)	504971.98	3635975.90	23.28285	(21061321)
505021.98	3635975.90	25.83401	(21090701)	505071.98	3635975.90	29.88328	(21090701)
505121.98	3635975.90	30.17813	(21090701)	505171.98	3635975.90	28.16406	(21090701)
505221.98	3635975.90	26.79564	(21081602)	501721.98	3632475.90	3.06431	(19010119)
501821.98	3632475.90	2.61472	(21030103)	501921.98	3632475.90	4.11893	(21030103)
502021.98	3632475.90	6.03202	(21030103)	502121.98	3632475.90	8.05908	(21030103)
502221.98	3632475.90	9.67391	(21030103)	502321.98	3632475.90	10.28646	(21030103)
502421.98	3632475.90	12.93285	(20121603)	502521.98	3632475.90	15.29983	(20121603)
502621.98	3632475.90	14.96930	(20121603)	502721.98	3632475.90	12.15744	(21063005)
502821.98	3632475.90	12.46769	(21063005)	502921.98	3632475.90	19.57344	(20102407)
503021.98	3632475.90	23.86123	(20111701)	503121.98			

3632475.90   25.16376 (19050103)
        503221.98   3632475.90   38.42396 (19081924)   503321.98
3632475.90   30.46977 (21092304)
        503421.98   3632475.90   35.21119 (19101521)   503721.98
3632475.90   37.49908 (21020203)
        503821.98   3632475.90   37.63563 (20082921)   503921.98
3632475.90   28.26781 (20082921)
        504021.98   3632475.90   25.98322 (20080820)   504121.98
3632475.90   26.86672 (20022622)
        504221.98   3632475.90   26.67374 (21011302)   504321.98
3632475.90   27.32198 (21022205)
        504421.98   3632475.90   27.86631 (20022403)   504521.98
3632475.90   26.01081 (20052501)
        504621.98   3632475.90   25.27294 (20042404)   504721.98
3632475.90   24.58944 (20112701)
        504821.98   3632475.90   24.19018 (21022020)   504921.98
3632475.90   24.47514 (21120804)
        505021.98   3632475.90   23.94438 (20011902)   505121.98
3632475.90   23.40934 (19022705)
        505221.98   3632475.90   22.44721 (19031124)   505321.98
3632475.90   21.38993 (19121906)
        505421.98   3632475.90   20.66569 (21010522)   505521.98
3632475.90   20.38075 (20122923)
        505621.98   3632475.90   19.53420 (21010401)   505721.98
3632475.90   19.55027 (21022502)
        501721.98   3632575.90   3.80642 (19010119)   501821.98
3632575.90   3.38607 (19010119)
        501921.98   3632575.90   2.88895 (21030103)   502021.98
3632575.90   4.60456 (21030103)
        502121.98   3632575.90   6.77447 (21030103)   502221.98
3632575.90   9.01474 (21030103)
        502321.98   3632575.90   10.66542 (21030103)   502421.98
3632575.90   11.08505 (20121603)
        502521.98   3632575.90   14.97530 (20121603)   502621.98
3632575.90   16.72922 (20121603)
        502721.98   3632575.90   15.11825 (20121603)   502821.98
3632575.90   13.58196 (21063005)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920 , L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502921.98	3632575.90	16.82444	(20102407)	503021.98	3632575.90	23.63263	(20102407)
503121.98	3632575.90	26.97207	(20111701)	503221.98	3632575.90	38.57297	(19081924)
503321.98	3632575.90	36.75357	(19081924)	503421.98	3632575.90	38.15720	(19110606)
503721.98	3632575.90	38.32153	(21020203)	503821.98	3632575.90	38.11213	(20082921)
503921.98	3632575.90	24.57337	(20081802)	504021.98	3632575.90	29.43223	(19032124)
504121.98	3632575.90	30.62949	(21013120)	504221.98	3632575.90	26.37508	(20081819)
504321.98	3632575.90	29.46910	(21022205)	504421.98	3632575.90	28.77789	(21011620)
504521.98	3632575.90	28.29745	(21013021)	504621.98	3632575.90	27.73045	(21120723)
504721.98	3632575.90	26.86119	(20101423)	504821.98	3632575.90	26.64080	(21011323)
504921.98	3632575.90	26.05841	(21010102)	505021.98	3632575.90	24.66889	(21022803)
505121.98	3632575.90	24.41669	(21021820)	505221.98	3632575.90	23.86479	(21011520)
505321.98	3632575.90	22.76274	(21010522)	505421.98	3632575.90	22.03159	(20122923)
505521.98	3632575.90	20.86786	(21010401)	505621.98	3632575.90	21.05028	(21022502)
505721.98	3632575.90	19.58024	(21010602)	501721.98	3632675.90	4.48671	(19010119)
501821.98	3632675.90	4.20539	(19010119)	501921.98	3632675.90	3.75777	(19010119)
502021.98	3632675.90	3.20660	(21030103)	502121.98	3632675.90	5.17457	(21030103)
502221.98	3632675.90	7.64709	(21030103)	502321.98	3632675.90	10.12111	(21030103)
502421.98	3632675.90	11.76425	(21030103)	502521.98	3632675.90	13.31434	(20121603)
502621.98	3632675.90	17.16781	(20121603)	502721.98	3632675.90	17.88870	(20121603)
502821.98	3632675.90	25.84099	(20092124)	502921.98			

3632675.90   35.32090 (20092124)
        503021.98   3632675.90   27.89112 (20102407)   503721.98
3632675.90   40.38783 (21020203)
        503821.98   3632675.90   41.34438 (20082921)   503921.98
3632675.90   30.31983 (20032501)
        504021.98   3632675.90   32.19334 (19032124)   504121.98
3632675.90   33.72031 (21013120)
        504221.98   3632675.90   30.14019 (19102905)   504321.98
3632675.90   32.12146 (20022403)
        504421.98   3632675.90   31.83957 (21011620)   504521.98
3632675.90   28.61971 (20042404)
        504621.98   3632675.90   28.58015 (20112701)   504721.98
3632675.90   28.32475 (21022020)
        504821.98   3632675.90   28.21455 (21120804)   504921.98
3632675.90   26.80323 (20011902)
        505021.98   3632675.90   26.69203 (21021820)   505121.98
3632675.90   26.16629 (21011520)
        505221.98   3632675.90   24.77646 (21010522)   505321.98
3632675.90   23.74523 (20122923)
        505421.98   3632675.90   22.40287 (20100121)   505521.98
3632675.90   22.67599 (21022502)
        505621.98   3632675.90   21.05686 (21010602)   505721.98
3632675.90   20.79332 (20021702)
        502421.98   3632775.90   11.39806 (21030103)   502521.98
3632775.90   22.20416 (21030103)
        502621.98   3632775.90   20.43816 (21031822)   502721.98
3632775.90   19.39914 (20121603)
        502821.98   3632775.90   25.64526 (20121603)   502921.98
3632775.90   37.33828 (20090205)
        503021.98   3632775.90   40.00861 (20090205)   503121.98
3632775.90   38.73245 (20111701)
        503221.98   3632775.90   37.32619 (20111701)   503621.98
3632775.90   44.69398 (20050102)
        503721.98   3632775.90   43.93630 (21020203)   503821.98
3632775.90   41.66409 (20082921)
        503921.98   3632775.90   33.64283 (20032501)   504021.98
3632775.90   34.41364 (20022622)
        504121.98   3632775.90   34.94548 (21011302)   504221.98
3632775.90   33.63240 (19102905)
        504321.98   3632775.90   35.47094 (20022403)   504421.98
3632775.90   32.81808 (21013021)

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: FORKS   ***
                                INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504521.98   3632775.90   32.22240 (21120723)   504621.98
3632775.90   31.07424 (20101423)
        504721.98   3632775.90   31.11563 (21011323)   504821.98
3632775.90   29.70461 (20011902)
        504921.98   3632775.90   29.08346 (19022705)   505021.98
3632775.90   27.66127 (21011520)
        505121.98   3632775.90   26.55049 (21010522)   505221.98
3632775.90   25.52176 (20122923)
        505321.98   3632775.90   24.10661 (20100121)   505421.98
3632775.90   24.53285 (21022502)
        505521.98   3632775.90   22.66453 (21010602)   505621.98
3632775.90   22.51007 (20020804)
        505721.98   3632775.90   21.15080 (20011323)   501721.98
3632875.90   5.92177 (21111004)
        501821.98   3632875.90   5.42639 (19010119)   501921.98
3632875.90   5.44600 (19010119)
        502021.98   3632875.90   5.20059 (19010119)   502121.98
3632875.90   4.70090 (19010119)
        502221.98   3632875.90   4.00629 (21030103)   502321.98
3632875.90   6.65268 (21030103)
        502421.98   3632875.90   9.92143 (21030103)   502521.98
3632875.90   12.90619 (21030103)
        502621.98   3632875.90   14.28883 (21030103)   502721.98
3632875.90   18.95397 (20121603)
        502821.98   3632875.90   30.77573 (20121603)   502921.98
3632875.90   36.26578 (21063005)
        503021.98   3632875.90   36.72463 (20090205)   503121.98
3632875.90   36.49910 (20102407)
        503221.98   3632875.90   41.88476 (20111701)   503321.98
3632875.90   49.15520 (19081924)
        503421.98   3632875.90   43.04093 (19110606)   503621.98
3632875.90   45.96214 (20050102)
        503721.98   3632875.90   46.41814 (21020203)   503821.98
3632875.90   43.13628 (20082921)
        503921.98   3632875.90   30.99804 (20081802)   504021.98

```
3632875.90       39.10468  (20022622)
        504121.98   3632875.90       37.75990  (21011302)                504221.98
3632875.90       37.64956  (21022205)
        504321.98   3632875.90       36.91359  (21011620)                504421.98
3632875.90       34.62523  (21013021)
        504521.98   3632875.90       33.52512  (20112701)                504621.98
3632875.90       33.30906  (21022020)
        504721.98   3632875.90       32.75487  (21010102)                504821.98
3632875.90       30.85333  (19022705)
        504921.98   3632875.90       30.39874  (20121007)                505021.98
3632875.90       28.90556  (19121906)
        505121.98   3632875.90       27.83273  (19122301)                505221.98
3632875.90       26.02786  (20100121)
        505321.98   3632875.90       26.60976  (21022502)                505421.98
3632875.90       24.40760  (21010602)
        505521.98   3632875.90       24.69118  (20020804)                505621.98
3632875.90       22.81273  (21012402)
        505721.98   3632875.90       22.22079  (20121123)                501721.98
3632975.90        7.31650  (21111004)
        501821.98   3632975.90        6.83983  (21111004)                501921.98
3632975.90        6.03982  (21111004)
        502021.98   3632975.90        6.02373  (19010119)                502121.98
3632975.90        5.82314  (19010119)
        505321.98   3632975.90       27.07913  (20021702)                505421.98
3632975.90       26.80223  (20020804)
        505521.98   3632975.90       25.36116  (21012402)                505621.98
3632975.90       23.51259  (20022406)
        505721.98   3632975.90       22.64969  (21012121)                501721.98
3633075.90        8.16343  (21111004)
        501821.98   3633075.90        8.23151  (21111004)                501921.98
3633075.90        7.88919  (21111004)
        502021.98   3633075.90        7.12036  (21111004)                502121.98
3633075.90        6.67868  (19010119)
        505321.98   3633075.90       28.88449  (20020804)                505421.98
3633075.90       27.60446  (21012402)
        505521.98   3633075.90       26.43587  (20022406)                505621.98
3633075.90       23.97681  (19010903)
        505721.98   3633075.90       23.54937  (21120121)                501721.98
3633175.90        8.14578  (21111004)
        501821.98   3633175.90        8.85764  (21111004)                501921.98
3633175.90        9.20506  (21111004)
        502021.98   3633175.90        9.07689  (21111004)                502121.98
3633175.90        8.39531  (21111004)
        505321.98   3633175.90       29.54706  (20121620)                505421.98
3633175.90       28.62215  (20022406)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 ,
L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633175.90	26.60879	(20121318)	505621.98	3633175.90	24.74633	(21120121)
505721.98	3633175.90	24.04438	(21011022)	501721.98	3633275.90	7.19262	(21111004)
501821.98	3633275.90	8.42584	(21111004)	501921.98	3633275.90	9.48853	(21111004)
502021.98	3633275.90	10.21076	(21111004)	502121.98	3633275.90	10.38807	(21111004)
505321.98	3633275.90	30.80452	(19010903)	505421.98	3633275.90	29.34104	(21120121)
505521.98	3633275.90	27.20090	(21021801)	505621.98	3633275.90	25.71307	(20021024)
505721.98	3633275.90	25.79366	(21122302)	501721.98	3633375.90	5.55955	(21111004)
501821.98	3633375.90	6.98551	(21111004)	501921.98	3633375.90	8.50347	(21111004)
502021.98	3633375.90	9.96781	(21111004)	502121.98	3633375.90	11.16019	(21111004)
505321.98	3633375.90	31.43889	(21120121)	505421.98	3633375.90	30.25498	(21011022)
505521.98	3633375.90	29.61003	(21122302)	505621.98	3633375.90	27.15682	(21011724)
505721.98	3633375.90	26.26722	(21010408)	501721.98	3633475.90	8.81296	(21012320)
501821.98	3633475.90	7.69212	(21012320)	501921.98	3633475.90	6.55759	(21111004)
502021.98	3633475.90	8.34320	(21111004)	502121.98	3633475.90	10.21826	(21111004)
505321.98	3633475.90	32.95783	(20021024)	505421.98	3633475.90	31.77605	(21011724)
505521.98	3633475.90	30.77575	(21010408)	505621.98			

```
3633475.90       27.58478  (21011720)
        505721.98   3633475.90       26.91972  (20121406)                501721.98
3633575.90       12.39658  (21012320)
        501821.98   3633575.90       11.90457  (21012320)                501921.98
3633575.90       10.97890  (21012320)
        502021.98   3633575.90        9.65261  (21012320)                502121.98
3633575.90        8.06493  (21012320)
        505321.98   3633575.90       36.16748  (21010408)                505421.98
3633575.90       32.51154  (21011720)
        505521.98   3633575.90       31.58772  (20121406)                505621.98
3633575.90       28.37929  (20021305)
        505721.98   3633575.90       27.50249  (20021723)                501721.98
3633675.90       14.18433  (21012320)
        501821.98   3633675.90       14.83805  (21012320)                501921.98
3633675.90       15.10237  (21012320)
        502021.98   3633675.90       14.83207  (21012320)                502121.98
3633675.90       13.97333  (21012320)
        505321.98   3633675.90       37.31035  (20121406)                505421.98
3633675.90       33.74983  (20021723)
        505521.98   3633675.90       32.64651  (19011606)                505621.98
3633675.90       29.30691  (20012223)
        505721.98   3633675.90       28.71996  (19121305)                501721.98
3633775.90       13.00178  (21012320)
        501821.98   3633775.90       14.68985  (21012320)                501921.98
3633775.90       16.28695  (21012320)
        502021.98   3633775.90       17.62773  (21012320)                502121.98
3633775.90       18.49427  (21012320)
        505321.98   3633775.90       38.78785  (19011606)                505421.98
3633775.90       34.34274  (20012223)
        505521.98   3633775.90       32.08935  (21010422)                505621.98
3633775.90       29.75922  (19011923)
        505721.98   3633775.90       28.33478  (19011923)                501721.98
3633875.90        9.40594  (21012320)
        501821.98   3633875.90       11.35809  (21012320)                501921.98
3633875.90       13.47336  (21012320)
        502021.98   3633875.90       15.92005  (21012320)                502121.98
3633875.90       18.37718  (21012320)
        505321.98   3633875.90       37.93230  (19011923)                505421.98
3633875.90       34.88015  (19011923)
        505521.98   3633875.90       32.46047  (21022220)                505621.98
3633875.90       30.48089  (21022220)
        505721.98   3633875.90       29.23568  (20121224)                501721.98
3633975.90       11.20308  (19083104)
        501821.98   3633975.90       11.47046  (19083104)                501921.98
3633975.90       11.62961  (19083104)
        502021.98   3633975.90       11.64243  (19083104)                502121.98
3633975.90       13.35633  (21012320)
        505321.98   3633975.90       39.18667  (20121224)                505421.98
3633975.90       35.78674  (20020703)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920
, L0000921 , L0000922 , L0000923 ,
L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633975.90	32.47087	(21022324)	505621.98	3633975.90	30.26840	(21022324)
505721.98	3633975.90	28.25359	(20122520)	501721.98	3634075.90	12.33486	(19083104)
501821.98	3634075.90	13.23809	(19083104)	501921.98	3634075.90	14.15616	(19083104)
502021.98	3634075.90	15.06392	(19083104)	502121.98	3634075.90	15.92801	(19083104)
505321.98	3634075.90	39.33802	(21122121)	505421.98	3634075.90	36.95768	(21122121)
505521.98	3634075.90	35.21342	(20121803)	505621.98	3634075.90	33.34379	(20121803)
505721.98	3634075.90	30.47788	(21122201)	501721.98	3634175.90	10.63413	(19083104)
501821.98	3634175.90	11.79479	(19083104)	501921.98	3634175.90	13.07621	(19083104)
502021.98	3634175.90	14.44068	(19083104)	502121.98	3634175.90	16.05654	(19083104)
505321.98	3634175.90	40.09470	(19021906)	505421.98	3634175.90	37.15393	(19021906)
505521.98	3634175.90	34.29488	(20013123)	505621.98	3634175.90	32.03314	(20013123)
505721.98	3634175.90	30.05544	(20013123)	501721.98	3634275.90	9.37030	(20022619)
501821.98	3634275.90	9.99064	(20022619)	501921.98	3634275.90	10.67455	(20022619)
502021.98	3634275.90	11.41452	(20022619)	502121.98			

```
3634275.90       12.26091  (20022619)
        505321.98   3634275.90       40.64577  (21013019)                505421.98
3634275.90       39.46996  (20092120)
        505521.98   3634275.90       33.87602  (21013019)                505621.98
3634275.90       31.16426  (21013019)
        505721.98   3634275.90       28.73165  (21013019)                501721.98
3634375.90       12.57912  (21021102)
        501821.98   3634375.90       13.56518  (21021102)                501921.98
3634375.90       14.60720  (21021102)
        502021.98   3634375.90       15.81710  (21021102)                502121.98
3634375.90       17.26635  (21021102)
        505321.98   3634375.90       46.13989  (21021007)                505421.98
3634375.90       42.30020  (21021007)
        505521.98   3634375.90       34.64551  (21021007)                505621.98
3634375.90       32.09504  (21021007)
        505721.98   3634375.90       29.86009  (21021007)                501721.98
3634475.90       15.78096  (21021102)
        501821.98   3634475.90       16.98845  (21021102)                501921.98
3634475.90       18.32002  (21021102)
        502021.98   3634475.90       19.84181  (21021102)                502121.98
3634475.90       21.49053  (21021102)
        505321.98   3634475.90       42.60017  (20011720)                505421.98
3634475.90       47.00715  (20011720)
        505521.98   3634475.90       37.17446  (20011720)                505621.98
3634475.90       31.45498  (20011720)
        505721.98   3634475.90       29.07123  (20011720)                501721.98
3634575.90       14.37145  (21021102)
        501821.98   3634575.90       15.07292  (21021102)                501921.98
3634575.90       15.80367  (21021102)
        502021.98   3634575.90       16.57275  (21021102)                502121.98
3634575.90       17.34905  (21021102)
        505321.98   3634575.90       45.44489  (20041201)                505421.98
3634575.90       49.86648  (20041201)
        505521.98   3634575.90       46.45106  (20041201)                505621.98
3634575.90       37.47608  (20041201)
        505721.98   3634575.90       29.23136  (20041201)                501721.98
3634675.90       10.74555  (19101801)
        501821.98   3634675.90       11.50613  (19101801)                501921.98
3634675.90       12.27886  (19101801)
        502021.98   3634675.90       13.80418  (19050903)                502121.98
3634675.90       15.94039  (19050903)
        505321.98   3634675.90       44.50837  (20081806)                505421.98
3634675.90       44.44428  (20081806)
        505521.98   3634675.90       37.66664  (20081806)                505621.98
3634675.90       33.20175  (19030304)
        505721.98   3634675.90       27.25109  (21082522)                501721.98
3634775.90       12.53469  (19050903)
        501821.98   3634775.90       14.01483  (19050903)                501921.98
3634775.90       15.53011  (19050903)
        502021.98   3634775.90       17.11116  (19050903)                502121.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                   INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3635075.90        7.73352  (19050903)
        501821.98   3635075.90        8.77040  (19022707)                501921.98
3635075.90       35.68258  (21112918)
        502021.98   3635075.90       35.31312  (21112918)                502121.98
3635075.90       14.38124  (20021724)
        505321.98   3635075.90       35.06998  (20041904)                505421.98
3635075.90       35.13992  (19022007)
        505521.98   3635075.90       30.07556  (19022007)                505621.98
3635075.90       25.66447  (19042006)
        505721.98   3635075.90       29.10627  (19042006)                501721.98
3635175.90       31.93391  (21112918)
        501821.98   3635175.90       29.83140  (21112918)                501921.98
3635175.90       38.97585  (19122123)
        502021.98   3635175.90       39.72377  (20021924)                502121.98
3635175.90       18.65038  (21011719)
        505321.98   3635175.90       26.84050  (21122806)                505421.98
3635175.90       29.70979  (20010802)
        505521.98   3635175.90       27.72510  (20010802)                505621.98
3635175.90       26.55972  (19022007)
        505721.98   3635175.90       25.59269  (19022007)                501721.98
3635275.90       35.83159  (20021924)
        501821.98   3635275.90       39.39066  (20021924)                501921.98
3635275.90       41.83586  (19012720)
        502021.98   3635275.90       38.27972  (21020304)                502121.98
3635275.90       45.53914  (21011719)
        505621.98   3635275.90       18.88045  (20010802)                505721.98
3635275.90       20.27327  (20010802)
        501721.98   3635375.90       32.80680  (19012720)                501821.98
3635375.90       32.76885  (21020304)
        501921.98   3635375.90       36.44719  (21011719)                502021.98
3635375.90       39.33531  (19111006)
        502121.98   3635375.90       33.92994  (21111519)                505621.98
3635375.90        5.17667  (21071520)
        501721.98   3635475.90       30.48187  (21011719)                501821.98
3635475.90       30.96646  (21011719)
        501921.98   3635475.90       32.78988  (19111006)                502021.98
3635475.90       36.97338  (21052423)
        502121.98   3635475.90       37.11919  (21052423)                505621.98
3635475.90        6.98847  (21071520)
        505721.98   3635475.90        5.48500  (21071520)                501721.98
3635575.90       24.61711  (21021622)
        501821.98   3635575.90       26.53847  (21052423)                501921.98
3635575.90       32.93485  (21052423)
        502021.98   3635575.90       32.66874  (19013101)                502121.98
3635575.90       35.45290  (19012005)
        505321.98   3635575.90       32.53438  (19102623)                505421.98
3635575.90       10.36279  (21071520)
        505521.98   3635575.90        9.52861  (21071520)                505621.98
3635575.90        8.33324  (21071520)
        505721.98   3635575.90        6.99498  (21071520)                501721.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKS   ***
                                   INCLUDING SOURCE(S):   L0000919   , L0000920
, L0000921   , L0000922   , L0000923   ,
                L0000924   , L0000925   , L0000926   , L0000927   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        505521.98   3635675.90   9.40488 (21071520)   505621.98
3635675.90   8.87628 (21071520)
        505721.98   3635675.90   7.98378 (21071520)   501721.98
3635775.90   30.72845 (19013101)
        501821.98   3635775.90   29.16415 (19013101)   501921.98
3635775.90   32.54579 (20122320)
        502021.98   3635775.90   32.69074 (21012023)   502121.98
3635775.90   34.15887 (21012023)
        505321.98   3635775.90   23.95144 (20091421)   505421.98
3635775.90   24.31483 (19102623)
        505521.98   3635775.90   28.23771 (19102623)   505621.98
3635775.90   22.88478 (19102623)
        505721.98   3635775.90   18.84887 (19102623)   501721.98
3635875.90   25.37171 (20122320)
        501821.98   3635875.90   31.32504 (20122320)   501921.98
3635875.90   32.31835 (21012023)
        502021.98   3635875.90   31.45222 (21012023)   502121.98
3635875.90   31.12361 (20122721)
        505321.98   3635875.90   31.42303 (20091421)   505421.98

3635875.90 22.25022 (20091421)
505521.98 3635875.90 20.47170 (19102623) 505621.98
3635875.90 25.23026 (19102623)
505721.98 3635875.90 25.67598 (19102623) 501721.98
3635975.90 26.70913 (20122320)
501821.98 3635975.90 30.48341 (21012023) 501921.98
3635975.90 27.78891 (21012023)
502021.98 3635975.90 30.39880 (20122721) 502121.98
3635975.90 32.91530 (20122721)
505321.98 3635975.90 33.06004 (21122618) 505421.98
3635975.90 25.76533 (21122618)
505521.98 3635975.90 20.82145 (20091421) 505621.98
3635975.90 17.94729 (19102623)
505721.98 3635975.90 22.03818 (19102623) 501721.98
3636075.90 26.89744 (21012023)
501821.98 3636075.90 23.23066 (20031920) 501921.98
3636075.90 28.91929 (20122721)
502021.98 3636075.90 30.59670 (20122721) 502121.98
3636075.90 28.81583 (19031105)
502221.98 3636075.90 26.38192 (20112322) 502321.98
3636075.90 32.06010 (21121424)
502421.98 3636075.90 32.03454 (21121424) 502521.98
3636075.90 30.05239 (19112801)
502621.98 3636075.90 36.00733 (19121706) 502721.98
3636075.90 32.85809 (19121706)
502821.98 3636075.90 29.46218 (21100523) 502921.98
3636075.90 34.57876 (21021621)
503021.98 3636075.90 33.95089 (21112718) 503121.98
3636075.90 37.74880 (19050823)
503221.98 3636075.90 38.84939 (21100603) 503321.98
3636075.90 44.74897 (20120224)
503421.98 3636075.90 41.05751 (19072124) 503521.98
3636075.90 38.80151 (21021806)
503621.98 3636075.90 34.76725 (19051020) 503721.98
3636075.90 42.73599 (21041324)
503821.98 3636075.90 35.38825 (19072223) 503921.98
3636075.90 40.72355 (19072224)
504021.98 3636075.90 42.43898 (19122420) 504121.98
3636075.90 33.09178 (19050321)
504221.98 3636075.90 35.43556 (19050322) 504321.98
3636075.90 40.31318 (21013118)
504421.98 3636075.90 38.02979 (21013118) 504521.98
3636075.90 30.88167 (19080523)
504621.98 3636075.90 30.49451 (20102221) 504721.98
3636075.90 36.54156 (19022602)
504821.98 3636075.90 40.01787 (21121422) 504921.98
3636075.90 29.01821 (21121422)
505021.98 3636075.90 25.46942 (21061321) 505121.98
3636075.90 25.80603 (21090701)
505221.98 3636075.90 27.22001 (21090701) 505321.98

3636075.90   26.21426 (21122618)
        505421.98   3636075.90   26.96599 (21122618)   505521.98
3636075.90   24.38908 (21122618)
        505621.98   3636075.90   20.92962 (20091421)   505721.98
3636075.90   16.55077 (21012617)
        501721.98   3636175.90   20.29078 (20031920)   501821.98
3636175.90   26.43663 (20122721)
        501921.98   3636175.90   28.02923 (20122721)   502021.98
3636175.90   26.50555 (19031105)
        502121.98   3636175.90   25.28582 (20112322)   502221.98
3636175.90   29.20612 (21121424)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS   ***
                                  INCLUDING SOURCE(S):   L0000919   , L0000920   , L0000921   , L0000922   , L0000923   ,
                 L0000924   , L0000925   , L0000926   , L0000927   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3636175.90 33.93433 (19072223)
503921.98 3636175.90 37.87688 (19072224) 504021.98
3636175.90 38.84624 (19072224)
504121.98 3636175.90 33.11244 (19070422) 504221.98
3636175.90 34.43702 (19050322)
504321.98 3636175.90 32.50558 (19073022) 504421.98
3636175.90 33.53560 (21013118)
504521.98 3636175.90 25.47619 (19111019) 504621.98
3636175.90 26.52069 (20102221)
504721.98 3636175.90 26.11818 (19060920) 504821.98
3636175.90 26.60004 (19022602)
504921.98 3636175.90 32.00666 (21121422) 505021.98
3636175.90 26.67639 (21061321)
505121.98 3636175.90 22.68245 (21061321) 505221.98
3636175.90 25.65705 (21090701)
505321.98 3636175.90 27.36748 (21090701) 505421.98
3636175.90 26.43804 (21122618)
505521.98 3636175.90 27.78321 (21122618) 505621.98
3636175.90 23.29500 (21122618)
505721.98 3636175.90 20.42577 (20091421) 501721.98
3636275.90 24.06169 (20122721)
501821.98 3636275.90 24.82687 (20122721) 501921.98
3636275.90 24.23887 (19031105)
502021.98 3636275.90 23.63462 (20112322) 502121.98
3636275.90 25.81427 (21121424)
502221.98 3636275.90 30.85051 (21121424) 502321.98
3636275.90 23.83833 (19020321)
502421.98 3636275.90 28.44129 (19112801) 502521.98
3636275.90 32.67393 (19121706)
502621.98 3636275.90 25.57618 (20040204) 502721.98
3636275.90 27.42607 (21100523)
502821.98 3636275.90 30.61218 (21021621) 502921.98
3636275.90 29.97008 (21112718)
503021.98 3636275.90 33.17803 (19050823) 503121.98
3636275.90 33.56834 (21100603)
503221.98 3636275.90 31.35280 (19080122) 503321.98
3636275.90 34.12957 (19072124)
503421.98 3636275.90 32.29033 (19081321) 503521.98
3636275.90 33.32727 (19051001)
503621.98 3636275.90 33.00626 (19051020) 503721.98
3636275.90 36.99628 (19072223)
503821.98 3636275.90 31.88480 (21031321) 503921.98
3636275.90 34.05525 (19072224)
504021.98 3636275.90 37.82375 (19072224) 504121.98
3636275.90 29.98776 (19082323)
504221.98 3636275.90 29.35694 (19082724) 504321.98
3636275.90 22.20991 (20031720)
504421.98 3636275.90 27.68420 (21013118) 504521.98
3636275.90 20.44943 (19081120)
504621.98 3636275.90 20.47494 (21080821) 504721.98

3636275.90 24.99974 (20102221)
  504821.98 3636275.90 22.13903 (19110518) 504921.98
3636275.90 26.15651 (19112903)
  505021.98 3636275.90 31.06297 (21121422) 505121.98
3636275.90 23.20356 (21061321)
  505221.98 3636275.90 20.91830 (19010920) 505321.98
3636275.90 27.23128 (21090701)
  505421.98 3636275.90 26.79489 (21090701) 505521.98
3636275.90 24.76171 (21122618)
  505621.98 3636275.90 27.40899 (21122618) 505721.98
3636275.90 22.83980 (21122618)
  501721.98 3636375.90 22.04310 (20122721) 501821.98
3636375.90 21.71722 (19031105)
  501921.98 3636375.90 21.95851 (20112322) 502021.98
3636375.90 23.26510 (19122519)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORKS ***
INCLUDING SOURCE(S): L0000919 , L0000920 , L0000921 , L0000922 , L0000923 ,
L0000924 , L0000925 , L0000926 , L0000927 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502121.98	3636375.90	29.01113	(21121424)	502221.98	3636375.90	23.98786	(21121424)
502321.98	3636375.90	27.78429	(19112801)	502421.98	3636375.90	30.53091	(19121706)
502521.98	3636375.90	27.72114	(19121706)	502621.98	3636375.90	25.06416	(21100523)
502721.98	3636375.90	26.62599	(21021621)	502821.98	3636375.90	27.69905	(21021621)
502921.98	3636375.90	27.56686	(20101906)	503021.98	3636375.90	29.89322	(19050823)
503121.98	3636375.90	30.96664	(21100603)	503221.98			

3636375.90 29.28870 (20120224)
503321.98 3636375.90 30.96276 (19072124) 503421.98
3636375.90 30.04296 (20071122)
503521.98 3636375.90 29.87497 (19051001) 503621.98
3636375.90 31.01320 (19051020)
503721.98 3636375.90 34.71670 (19072223) 503821.98
3636375.90 29.86929 (21031321)
503921.98 3636375.90 31.29548 (21050323) 504021.98
3636375.90 35.54303 (19072224)
504121.98 3636375.90 26.21714 (19082323) 504221.98
3636375.90 23.65982 (19082724)
504321.98 3636375.90 21.04221 (21071621) 504421.98
3636375.90 23.04845 (21013118)
504521.98 3636375.90 22.61621 (21013118) 504621.98
3636375.90 19.14490 (19080523)
504721.98 3636375.90 19.55436 (20102221) 504821.98
3636375.90 19.21110 (19060406)
504921.98 3636375.90 18.55614 (19061724) 505021.98
3636375.90 24.12493 (21050522)
505121.98 3636375.90 25.43061 (21121422) 505221.98
3636375.90 24.47911 (21061321)
505321.98 3636375.90 22.68989 (19010920) 505421.98
3636375.90 26.55417 (21090701)
505521.98 3636375.90 24.26022 (21090701) 505621.98
3636375.90 24.61242 (21122618)
505721.98 3636375.90 26.65718 (21122618) 501721.98
3636475.90 18.60509 (19031105)
501821.98 3636475.90 19.54142 (21101802) 501921.98
3636475.90 21.18875 (19122519)
502021.98 3636475.90 26.14039 (21121424) 502121.98
3636475.90 23.36212 (21121424)
502221.98 3636475.90 25.37154 (19112801) 502321.98
3636475.90 26.94345 (19121706)
502421.98 3636475.90 28.65933 (19121706) 502521.98
3636475.90 22.69928 (20040204)
502621.98 3636475.90 24.35936 (20070104) 502721.98
3636475.90 27.31249 (21021621)
502821.98 3636475.90 26.56122 (21112718) 502921.98
3636475.90 28.41841 (19050823)
503021.98 3636475.90 27.14071 (21100603) 503121.98
3636475.90 26.04753 (21100603)
503221.98 3636475.90 27.34997 (20120224) 503321.98
3636475.90 27.54239 (19072124)
503421.98 3636475.90 28.09091 (19051001) 503521.98
3636475.90 27.61841 (19080922)
503621.98 3636475.90 28.56134 (19051020) 503721.98
3636475.90 32.07441 (19072223)
503821.98 3636475.90 27.43582 (19082801) 503921.98
3636475.90 28.03623 (21050323)
504021.98 3636475.90 27.43830 (19072224) 504121.98

3636475.90   21.56944 (19081023)
        504221.98   3636475.90   21.09258 (19082724)   504321.98
3636475.90   19.43364 (21071621)
        504421.98   3636475.90   19.51408 (21052004)   504521.98
3636475.90   24.59301 (21013118)
        504621.98   3636475.90   18.46898 (19081120)   504721.98
3636475.90   17.49665 (19070220)
        504821.98   3636475.90   17.26890 (21071021)   504921.98
3636475.90   17.30289 (19110518)
        505021.98   3636475.90   22.65666 (19112903)   505121.98
3636475.90   28.55649 (21121422)
        505221.98   3636475.90   20.92191 (21061321)   505321.98
3636475.90   22.67008 (21061321)
        505421.98   3636475.90   21.04962 (21090701)   505521.98
3636475.90   25.12445 (21090701)
        505621.98   3636475.90   22.98932 (21081602)   505721.98
3636475.90   23.51592 (21122618)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002   , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

503121.98 3633475.90 33.50170 (20121603) 503171.98 3633475.90 31.27190 (20121603)
503221.98 3633475.90 27.39364 (21063005) 503271.98 3633475.90 26.83417 (20102407)
503321.98 3633475.90 58.79204 (20082723) 503371.98 3633475.90 64.71027 (20111701)
503421.98 3633475.90 57.06967 (20111701) 503471.98 3633475.90 57.78695 (19081924)
503521.98 3633475.90 62.66796 (21020924) 503621.98 3633475.90 63.39139 (19101521)
503671.98 3633475.90 55.35686 (20050102) 503721.98 3633475.90 55.94219 (21020203)
503771.98 3633475.90 50.19706 (20082921) 503821.98 3633475.90 58.79797 (20082921)
503871.98 3633475.90 50.80773 (20081802) 503921.98 3633475.90 52.47455 (19032124)
503971.98 3633475.90 53.63821 (21013120) 504021.98 3633475.90 53.12250 (21011302)
504071.98 3633475.90 52.77527 (19102905) 504121.98 3633475.90 54.15504 (20022403)
504171.98 3633475.90 53.07532 (21011620) 504221.98 3633475.90 52.89447 (21013021)
504271.98 3633475.90 51.01985 (21120723) 504321.98 3633475.90 49.41112 (20073020)
504371.98 3633475.90 46.97759 (21011323) 504421.98 3633475.90 46.52903 (20031721)
504471.98 3633475.90 47.62489 (20011902) 504521.98 3633475.90 46.77636 (19022705)
504571.98 3633475.90 44.96759 (20121007) 504621.98 3633475.90 44.27747 (21011520)
504671.98 3633475.90 42.66882 (21010522) 504721.98 3633475.90 40.80373 (20122923)
502721.98 3633525.90 8.18491 (19010119) 502771.98 3633525.90 10.94008 (21030103)
502821.98 3633525.90 14.27715 (21030103) 502871.98 3633525.90 17.77677 (21030103)
502921.98 3633525.90 20.96800 (21030103) 502971.98 3633525.90 23.27423 (21030103)
503021.98 3633525.90 26.24387 (20121603) 503071.98 3633525.90 31.96966 (20121603)
503121.98 3633525.90 35.42482 (20121603) 503171.98 3633525.90 35.34642 (20121603)
503221.98 3633525.90 31.45293 (20121603) 503271.98 3633525.90 29.35091 (21063005)
503321.98 3633525.90 48.36960 (20092124) 503371.98 3633525.90 64.72122 (20111701)
503421.98 3633525.90 68.73499 (20111701) 503471.98 3633525.90 71.55220 (19081924)
503521.98 3633525.90 67.13038 (19081924) 503621.98 3633525.90 74.90419 (19101521)

```
        503671.98   3633525.90       68.81222  (20050102)                503721.98
3633525.90       73.02323  (21020203)
        503771.98   3633525.90       61.74820  (20082921)                503821.98
3633525.90       67.58665  (20082921)
        503871.98   3633525.90       58.97391  (20081802)                503921.98
3633525.90       58.81246  (20022622)
        503971.98   3633525.90       59.64328  (21013120)                504021.98
3633525.90       53.52262  (21011302)
        504071.98   3633525.90       56.58287  (21022205)                504121.98
3633525.90       58.61876  (20081021)
        504171.98   3633525.90       59.15339  (21013021)                504221.98
3633525.90       57.91879  (20073022)
        504271.98   3633525.90       52.80758  (21120723)                504321.98
3633525.90       49.88886  (20112022)
        504371.98   3633525.90       51.40162  (21011323)                504421.98
3633525.90       50.47272  (21010102)
        504471.98   3633525.90       48.95926  (19022705)                504521.98
3633525.90       48.71083  (21021820)
        504571.98   3633525.90       47.68663  (21011520)                504621.98
3633525.90       45.20370  (21010522)
        504671.98   3633525.90       43.34775  (19122301)                504721.98
3633525.90       40.05864  (20122923)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 780
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502721.98   3633575.90        9.49759  (19010119)                502771.98
3633575.90        8.89739  (19010119)
        502821.98   3633575.90       11.95055  (21030103)                502871.98
```

3633575.90 15.68515 (21030103)
502921.98 3633575.90 19.56072 (21030103) 502971.98
3633575.90 23.00298 (21030103)
503021.98 3633575.90 25.30843 (21030103) 503071.98
3633575.90 30.01946 (20121603)
503121.98 3633575.90 35.79675 (20121603) 503171.98
3633575.90 38.42016 (20121603)
503221.98 3633575.90 36.72021 (20121603) 503271.98
3633575.90 31.36444 (21063005)
503321.98 3633575.90 38.76871 (21063005) 503371.98
3633575.90 62.49510 (20082723)
503421.98 3633575.90 71.50646 (20082723) 503471.98
3633575.90 83.68019 (19081924)
503521.98 3633575.90 96.37863 (19081924) 503621.98
3633575.90 80.40834 (19101521)
503671.98 3633575.90 75.14865 (21090401) 503721.98
3633575.90 83.11110 (21020203)
503771.98 3633575.90 72.15497 (20082921) 503821.98
3633575.90 83.11425 (20082921)
503871.98 3633575.90 70.39999 (20032501) 503921.98
3633575.90 71.48987 (20022622)
503971.98 3633575.90 67.58899 (21013120) 504021.98
3633575.90 64.97170 (19102905)
504071.98 3633575.90 62.98699 (20081021) 504121.98
3633575.90 63.77747 (21011620)
504171.98 3633575.90 69.64588 (21013021) 504221.98
3633575.90 65.96305 (20073022)
504271.98 3633575.90 56.41562 (20073020) 504321.98
3633575.90 54.03028 (21011323)
504371.98 3633575.90 53.80666 (21010102) 504421.98
3633575.90 51.88186 (20011902)
504471.98 3633575.90 52.34980 (21021820) 504521.98
3633575.90 50.83778 (21011520)
504571.98 3633575.90 47.70808 (21010522) 504621.98
3633575.90 46.66937 (19122301)
504671.98 3633575.90 43.37326 (20122923) 504721.98
3633575.90 44.76356 (21022502)
502721.98 3633625.90 10.72732 (19010119) 502771.98
3633625.90 10.35261 (19010119)
502821.98 3633625.90 9.72124 (19010119) 502871.98
3633625.90 13.10583 (21030103)
502921.98 3633625.90 17.29843 (21030103) 502971.98
3633625.90 21.61440 (21030103)
503021.98 3633625.90 25.31459 (21030103) 503071.98
3633625.90 27.56886 (21030103)
503121.98 3633625.90 34.35492 (20121603) 503171.98
3633625.90 39.89760 (20121603)
503221.98 3633625.90 41.23008 (20121603) 503271.98
3633625.90 37.42517 (20121603)
503321.98 3633625.90 33.93303 (21063005) 503371.98

3633625.90   55.65896 (20092124)
        503421.98   3633625.90   70.39133 (20082723)   503471.98
3633625.90   78.50983 (19081924)
        503521.98   3633625.90   103.58385 (19081924)   503621.98
3633625.90   85.31659 (19101521)
        503671.98   3633625.90   81.51571 (21090401)   503721.98
3633625.90   88.23662 (21020203)
        503771.98   3633625.90   77.57659 (20082921)   503821.98
3633625.90   92.56626 (20082921)
        503871.98   3633625.90   75.88706 (20032501)   503921.98
3633625.90   78.81345 (20022622)
        503971.98   3633625.90   76.02350 (21011302)   504021.98
3633625.90   74.58605 (19102905)
        504071.98   3633625.90   72.21069 (20081021)   504121.98
3633625.90   72.54108 (21013021)
        504171.98   3633625.90   74.92245 (21013021)   504221.98
3633625.90   67.87019 (20073020)
        504271.98   3633625.90   59.08634 (20073020)   504321.98
3633625.90   56.26645 (21011323)
        504371.98   3633625.90   56.53841 (20011902)   504421.98
3633625.90   55.79001 (19022705)
        504471.98   3633625.90   53.70469 (20121007)   504521.98
3633625.90   50.98753 (19121906)
        504571.98   3633625.90   50.08250 (19122301)   504621.98
3633625.90   46.94958 (20122923)
        504671.98   3633625.90   47.50289 (21022502)   504721.98
3633625.90   45.51502 (19120104)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)

```
 - - -
```

```
        503121.98   3633725.90       30.98717  (21030103)               503171.98
3633725.90       36.32330  (20121603)
        503221.98   3633725.90       44.81061  (20121603)               503271.98
3633725.90       48.47741  (20121603)
        503321.98   3633725.90       45.26885  (20121603)               503371.98
3633725.90       39.93395  (21063005)
        503421.98   3633725.90       42.82716  (20102407)               503471.98
3633725.90       43.35419  (20102407)
        503521.98   3633725.90       81.56420  (19081924)               503571.98
3633725.90      101.22650  (19081924)
        503721.98   3633725.90      101.99844  (20082503)               503771.98
3633725.90      101.39636  (20082503)
        503821.98   3633725.90      105.89572  (20082921)               503871.98
3633725.90       86.89792  (20080820)
        503921.98   3633725.90       95.84022  (20022622)               503971.98
3633725.90       87.46236  (21011302)
        504021.98   3633725.90       86.50065  (21022205)               504071.98
3633725.90       87.30687  (21011620)
        504121.98   3633725.90       95.52446  (21013021)               504171.98
3633725.90       86.27036  (21120723)
        504221.98   3633725.90       78.37854  (20073020)               504271.98
3633725.90       79.61543  (21010102)
        504321.98   3633725.90       70.35134  (20080120)               504371.98
3633725.90       62.71935  (21021820)
        504421.98   3633725.90       60.81152  (21011520)               504471.98
3633725.90       57.79854  (21010522)
        504521.98   3633725.90       55.75280  (20122923)               504571.98
3633725.90       54.58462  (21022502)
        504621.98   3633725.90       53.09835  (19120104)               504671.98
3633725.90       52.08067  (20021702)
        504721.98   3633725.90       50.14506  (20081805)               502721.98
3633775.90       16.93989  (21111004)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 782
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502771.98	3633775.90	16.18541	(21111004)	502821.98	3633775.90	14.94873	(21111004)
502871.98	3633775.90	14.00499	(19010119)	502921.98	3633775.90	13.77065	(19010119)
502971.98	3633775.90	13.07710	(19010119)	503021.98	3633775.90	17.83942	(21030103)
503071.98	3633775.90	24.01036	(21030103)	503121.98	3633775.90	30.03931	(21030103)
503171.98	3633775.90	34.47910	(21030103)	503221.98	3633775.90	42.56779	(20121603)
503271.98	3633775.90	50.91018	(20121603)	503321.98	3633775.90	52.47493	(20121603)
503371.98	3633775.90	45.76694	(20121603)	503421.98	3633775.90	43.94180	(20102407)
503471.98	3633775.90	48.08678	(20102407)	503771.98	3633775.90	117.57625	(20082503)
503821.98	3633775.90	111.57622	(20082921)	503871.98	3633775.90	99.04147	(19032124)
503921.98	3633775.90	103.79480	(21013120)	503971.98	3633775.90	98.06467	(19102905)
504021.98	3633775.90	95.66585	(20022403)	504071.98	3633775.90	105.53811	(21013021)
504121.98	3633775.90	97.62010	(21120723)	504171.98	3633775.90	91.81989	(20073020)
504221.98	3633775.90	92.78949	(21011323)	504271.98	3633775.90	87.13157	(20011902)
504321.98	3633775.90	74.92949	(21021820)	504371.98	3633775.90	69.40257	(21011520)
504421.98	3633775.90	65.23552	(21010522)	504471.98	3633775.90	61.29032	(20122923)
504521.98	3633775.90	60.80195	(21022502)	504571.98	3633775.90	61.66843	(19120104)
504621.98	3633775.90	62.99950	(20081805)	504671.98	3633775.90	59.59496	(20081805)
504721.98	3633775.90	58.76253	(20081803)	502721.98	3633825.90	18.91353	(21111004)
502771.98	3633825.90	18.88181	(21111004)	502821.98	3633825.90	18.28327	(21111004)
502871.98	3633825.90	17.08614	(21111004)	502921.98	3633825.90	15.46944	(19010119)
502971.98	3633825.90	15.29775	(19010119)	503021.98	3633825.90	14.58583	(19010119)
503071.98	3633825.90	20.00343	(21030103)	503121.98			

```
3633825.90       27.13255  (21030103)
        503171.98   3633825.90       33.92649  (21030103)                503221.98
3633825.90       38.50823  (21030103)
        503271.98   3633825.90       49.93197  (20121603)                503771.98
3633825.90      143.03373  (20082503)
        503821.98   3633825.90      128.90697  (20080822)                503871.98
3633825.90      111.54284  (20022622)
        503921.98   3633825.90      113.94451  (21013120)                503971.98
3633825.90      110.57998  (19102905)
        504021.98   3633825.90      113.21030  (20022403)                504071.98
3633825.90      117.35030  (21013021)
        504121.98   3633825.90      107.59584  (21120723)                504171.98
3633825.90      102.59675  (21011323)
        504221.98   3633825.90      102.28878  (21010102)                504271.98
3633825.90       97.63102  (19022705)
        504321.98   3633825.90       91.61863  (21011520)                504371.98
3633825.90       83.99591  (21010522)
        504421.98   3633825.90       75.75483  (20122923)                504471.98
3633825.90       70.95025  (19102119)
        504521.98   3633825.90       68.97242  (19120104)                504571.98
3633825.90       75.43130  (20081805)
        504621.98   3633825.90       71.25481  (20081803)                504671.98
3633825.90       67.84395  (20081803)
        504721.98   3633825.90       65.24073  (20111118)                502721.98
3633875.90       19.86456  (21111004)
        502771.98   3633875.90       20.72986  (21111004)                502821.98
3633875.90       21.04228  (21111004)
        502871.98   3633875.90       20.68413  (21111004)                502921.98
3633875.90       19.62863  (21111004)
        502971.98   3633875.90       17.81289  (21111004)                503021.98
3633875.90       17.07611  (19010119)
        503071.98   3633875.90       16.37818  (19010119)                503121.98
3633875.90       22.59534  (21030103)
        503171.98   3633875.90       30.90064  (21030103)                503221.98
3633875.90       38.57052  (21030103)
        503271.98   3633875.90       45.10032  (20121603)                503821.98
3633875.90      142.33546  (20080822)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 783
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
```

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503871.98	3633875.90	125.30649	(20022622)	503921.98	3633875.90	125.34935	(21013120)
503971.98	3633875.90	124.04262	(21022205)	504021.98	3633875.90	133.44045	(20032321)
504071.98	3633875.90	119.14622	(21013021)	504121.98	3633875.90	116.42266	(19033021)
504171.98	3633875.90	112.49332	(21011323)	504221.98	3633875.90	108.55664	(20011902)
504271.98	3633875.90	104.51567	(21021820)	504321.98	3633875.90	96.11442	(21010522)
504371.98	3633875.90	90.42761	(20122923)	504421.98	3633875.90	82.38308	(19102119)
504471.98	3633875.90	78.86413	(19120104)	504521.98	3633875.90	88.03791	(20081805)
504571.98	3633875.90	86.05343	(20081803)	504621.98	3633875.90	79.02214	(20081803)
504671.98	3633875.90	70.43100	(20111118)	504721.98	3633875.90	70.05577	(21011418)
502721.98	3633925.90	19.51807	(21111004)	502771.98	3633925.90	21.26627	(21111004)
502821.98	3633925.90	22.63104	(21111004)	502871.98	3633925.90	23.43236	(21111004)
502921.98	3633925.90	23.47826	(21111004)	502971.98	3633925.90	22.60068	(21111004)
503021.98	3633925.90	20.79024	(21111004)	503071.98	3633925.90	19.18152	(19010119)
503121.98	3633925.90	18.53402	(19010119)	503171.98	3633925.90	25.73838	(21030103)
503221.98	3633925.90	35.51469	(21030103)	503271.98	3633925.90	44.18835	(21030103)
503821.98	3633925.90	154.95817	(20080822)	503871.98	3633925.90	141.72768	(19050105)
503921.98	3633925.90	135.11241	(21011302)	503971.98	3633925.90	128.72396	(20022403)
504021.98	3633925.90	159.32267	(20032321)	504071.98	3633925.90	147.09410	(19033021)
504121.98	3633925.90	126.32694	(21060903)	504171.98	3633925.90	121.36000	(20011902)

```
        504221.98   3633925.90      118.88505  (21021820)                504271.98
3633925.90      112.90133  (21011520)
        504321.98   3633925.90      107.01192  (20122923)                504371.98
3633925.90       99.17886  (19022722)
        504421.98   3633925.90       94.55130  (19120104)                504471.98
3633925.90      103.54619  (20081805)
        504521.98   3633925.90       98.62508  (20081803)                504571.98
3633925.90       83.80094  (20081803)
        504621.98   3633925.90       79.34541  (20082222)                504671.98
3633925.90       78.62017  (21011418)
        504721.98   3633925.90       71.34449  (21011418)                502721.98
3633975.90       17.83895  (21111004)
        502771.98   3633975.90       20.26750  (21111004)                502821.98
3633975.90       22.57245  (21111004)
        502871.98   3633975.90       24.60663  (21111004)                502921.98
3633975.90       26.04772  (21111004)
        502971.98   3633975.90       26.60781  (21111004)                503021.98
3633975.90       26.12222  (21111004)
        503071.98   3633975.90       24.42531  (21111004)                503121.98
3633975.90       21.70491  (19010119)
        503171.98   3633975.90       21.16221  (19010119)                503221.98
3633975.90       29.61160  (21030103)
        503271.98   3633975.90       41.24953  (21030103)                503821.98
3633975.90      159.75400  (21082504)
        503871.98   3633975.90      151.00632  (19050105)                503921.98
3633975.90      123.48376  (21011302)
        503971.98   3633975.90      145.62117  (20032321)                504021.98
3633975.90      157.49733  (20032321)
        504071.98   3633975.90      158.48096  (19033021)                504121.98
3633975.90      129.86129  (21010102)
        504171.98   3633975.90      128.56162  (19022705)                504221.98
3633975.90      127.79155  (21011520)
        504271.98   3633975.90      119.93470  (19122301)                504321.98
3633975.90      113.17620  (19022722)
        504371.98   3633975.90      112.97824  (20081805)                504421.98
3633975.90      121.79927  (20081805)
        504471.98   3633975.90      110.03135  (20081803)                504521.98
3633975.90       91.52569  (20111118)
        504571.98   3633975.90       87.96035  (20082222)                504621.98
3633975.90       84.86760  (21011418)
        504671.98   3633975.90       70.77134  (21011418)                504721.98
3633975.90       61.23945  (20081722)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 784
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3634025.90	20.24633	(21012320)	502771.98	3634025.90	18.34571	(21012320)
502821.98	3634025.90	20.80171	(21111004)	502871.98	3634025.90	23.76577	(21111004)
502921.98	3634025.90	26.51674	(21111004)	502971.98	3634025.90	28.77314	(21111004)
503021.98	3634025.90	30.16750	(21111004)	503071.98	3634025.90	30.28979	(21111004)
503121.98	3634025.90	28.89690	(21111004)	503171.98	3634025.90	25.90789	(21111004)
503221.98	3634025.90	24.41346	(19010119)	503271.98	3634025.90	34.46886	(21030103)
503871.98	3634025.90	147.18763	(20022622)	503921.98	3634025.90	105.31087	(21022105)
503971.98	3634025.90	171.19090	(20032321)	504021.98	3634025.90	157.37645	(19033021)
504071.98	3634025.90	148.89614	(21060903)	504121.98	3634025.90	136.65014	(20011902)
504171.98	3634025.90	141.13547	(21011520)	504221.98	3634025.90	133.85115	(19122301)
504271.98	3634025.90	128.90311	(21060824)	504321.98	3634025.90	140.95956	(20081805)
504371.98	3634025.90	140.68379	(20081805)	504421.98	3634025.90	120.76927	(20081803)
504471.98	3634025.90	99.98917	(20111118)	504521.98	3634025.90	99.69194	(21011418)
504571.98	3634025.90	88.55916	(21011418)	504621.98	3634025.90	70.87651	(20081722)
504671.98	3634025.90	65.39399	(21122302)	504721.98	3634025.90	62.15816	(21010408)
502721.98	3634075.90	27.04673	(21012320)	502771.98	3634075.90	25.86587	(21012320)
502821.98	3634075.90	24.16965	(21012320)	502871.98			

```
3634075.90       21.95084  (21012320)
        502921.98   3634075.90       24.60282  (21111004)                502971.98
3634075.90       28.26965  (21111004)
        503021.98   3634075.90       31.61812  (21111004)                503071.98
3634075.90       34.10633  (21111004)
        503121.98   3634075.90       35.20953  (21111004)                503171.98
3634075.90       34.43254  (21111004)
        503221.98   3634075.90       31.49041  (21111004)                503271.98
3634075.90       28.51017  (19010119)
        503871.98   3634075.90      111.60472  (21013120)                503921.98
3634075.90      119.62745  (21022105)
        503971.98   3634075.90      104.32383  (20050805)                504021.98
3634075.90      169.05729  (19033021)
        504071.98   3634075.90      151.17202  (21010102)                504121.98
3634075.90      151.05813  (21021820)
        504171.98   3634075.90      155.95134  (21082503)                504221.98
3634075.90      163.53268  (21060824)
        504271.98   3634075.90      180.85735  (20081805)                504321.98
3634075.90      169.72875  (20081805)
        504371.98   3634075.90      139.10980  (20081803)                504421.98
3634075.90      119.28168  (20081603)
        504471.98   3634075.90      110.11366  (21011418)                504521.98
3634075.90       86.88696  (21011418)
        504571.98   3634075.90       75.70418  (21122302)                504621.98
3634075.90       70.08235  (21010408)
        504671.98   3634075.90       66.52487  (21011720)                504721.98
3634075.90       62.66728  (21011221)
        502721.98   3634125.90       32.24897  (21012320)                502771.98
3634125.90       32.50641  (21012320)
        502821.98   3634125.90       32.25923  (21012320)                502871.98
3634125.90       31.31941  (21012320)
        502921.98   3634125.90       29.44778  (21012320)                502971.98
3634125.90       26.75932  (21012320)
        503021.98   3634125.90       29.68334  (21111004)                503071.98
3634125.90       34.33229  (21111004)
        503121.98   3634125.90       38.35274  (21111004)                503171.98
3634125.90       40.96606  (21111004)
        503221.98   3634125.90       41.29109  (21111004)                503271.98
3634125.90       38.77049  (21111004)
        503921.98   3634125.90      131.72403  (21022105)                503971.98
3634125.90      119.07579  (21022020)
        504021.98   3634125.90      130.10250  (21120804)                504071.98
3634125.90      166.74917  (21021820)
        504121.98   3634125.90      154.93409  (21010522)                504171.98
3634125.90      180.94643  (21060824)
        504221.98   3634125.90      223.19663  (20081805)                504271.98
3634125.90      219.59461  (20081803)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3634125.90	170.07409	(20081803)	504371.98	3634125.90	152.35948	(20081603)
504421.98	3634125.90	119.21052	(21011418)	504471.98	3634125.90	91.62251	(20081722)
504521.98	3634125.90	82.90364	(21011724)	504571.98	3634125.90	76.87559	(21011720)
504621.98	3634125.90	71.91604	(21011221)	504671.98	3634125.90	68.31353	(20121406)
504721.98	3634125.90	64.72028	(20021723)	502721.98	3634175.90	33.86338	(21012320)
502771.98	3634175.90	35.99128	(21012320)	502821.98	3634175.90	37.77834	(21012320)
502871.98	3634175.90	38.98307	(21012320)	502921.98	3634175.90	39.25236	(21012320)
502971.98	3634175.90	38.52875	(21012320)	503021.98	3634175.90	36.67701	(21012320)
503071.98	3634175.90	33.43013	(21012320)	503121.98	3634175.90	36.64787	(21111004)
503171.98	3634175.90	42.64301	(21111004)	503221.98	3634175.90	47.36685	(21111004)
503271.98	3634175.90	49.71211	(21111004)	503971.98	3634175.90	152.12273	(21022020)
504021.98	3634175.90	144.52368	(21022803)	504071.98	3634175.90	133.18058	(21021721)
504121.98	3634175.90	182.20709	(21060824)	504171.98	3634175.90	229.55006	(20081805)
504221.98	3634175.90	244.51408	(20081803)	504271.98	3634175.90	240.23789	(20081603)

504321.98 3634175.90 210.96179 (20081603) 504371.98 3634175.90 122.52608 (20021024)
504421.98 3634175.90 98.13400 (21011724) 504471.98 3634175.90 91.30237 (21011720)
504521.98 3634175.90 84.09033 (21011221) 504571.98 3634175.90 78.57366 (20121406)
504621.98 3634175.90 76.22523 (20021723) 504671.98 3634175.90 73.06685 (19011606)
504721.98 3634175.90 66.90310 (20012223) 502721.98 3634225.90 31.34466 (21012320)
502771.98 3634225.90 34.86602 (21012320) 502821.98 3634225.90 38.44467 (21012320)
502871.98 3634225.90 41.85832 (21012320) 502921.98 3634225.90 44.80510 (21012320)
502971.98 3634225.90 47.17822 (21012320) 503021.98 3634225.90 48.65376 (21012320)
503071.98 3634225.90 48.60981 (21012320) 503121.98 3634225.90 46.76749 (21012320)
503171.98 3634225.90 42.81849 (21012320) 503221.98 3634225.90 46.58664 (21111004)
503271.98 3634225.90 54.63125 (21111004) 504071.98 3634225.90 149.23430 (21010401)
504121.98 3634225.90 134.91220 (20021603) 504171.98 3634225.90 258.32365 (20081803)
504221.98 3634225.90 237.48963 (20081603) 504271.98 3634225.90 210.49921 (20081603)
504321.98 3634225.90 188.14359 (20080121) 504371.98 3634225.90 125.72828 (21011720)
504421.98 3634225.90 100.35441 (20121406) 504471.98 3634225.90 92.48327 (20021305)
504521.98 3634225.90 88.22260 (19011606) 504571.98 3634225.90 81.59673 (20012223)
504621.98 3634225.90 78.44483 (19121305) 504671.98 3634225.90 70.54870 (19011923)
504721.98 3634225.90 69.39883 (19011923) 502721.98 3634275.90 25.34415 (21012320)
502771.98 3634275.90 29.15672 (21012320) 502821.98 3634275.90 33.50179 (21012320)
502871.98 3634275.90 38.35915 (21012320) 502921.98 3634275.90 43.24333 (21012320)
502971.98 3634275.90 48.30315 (21012320) 503021.98 3634275.90 53.51860 (21012320)
503071.98 3634275.90 58.02788 (21012320) 503121.98 3634275.90 61.38829 (21012320)
503171.98 3634275.90 62.91711 (21012320) 503221.98 3634275.90 61.70267 (21012320)
503271.98 3634275.90 57.21276 (21012320) 504121.98 3634275.90 154.46604 (21020424)
504171.98 3634275.90 136.22181 (20020722) 504221.98 3634275.90 239.01719 (20080121)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504371.98	3634275.90	139.49137	(20021723)	504421.98	3634275.90	117.24893	(20081804)
504471.98	3634275.90	102.82522	(19121305)	504521.98	3634275.90	89.42037	(19121305)
504571.98	3634275.90	85.45430	(19011923)	504621.98	3634275.90	79.70756	(19012803)
504671.98	3634275.90	74.83234	(21121821)	504721.98	3634275.90	70.18941	(20121224)
502721.98	3634325.90	28.35475	(19083104)	502771.98	3634325.90	29.68385	(19083104)
502821.98	3634325.90	30.92174	(19083104)	502871.98	3634325.90	32.39576	(19083104)
502971.98	3634325.90	40.80129	(21012320)	503021.98	3634325.90	47.85819	(21012320)
503071.98	3634325.90	55.64619	(21012320)	503121.98	3634325.90	63.84459	(21012320)
503171.98	3634325.90	72.08951	(21012320)	503221.98	3634325.90	79.46830	(21012320)
503271.98	3634325.90	84.75145	(21012320)	504171.98	3634325.90	217.11355	(20080721)
504221.98	3634325.90	259.69913	(21040622)	504271.98	3634325.90	219.53048	(21081123)
504321.98	3634325.90	209.92830	(21081123)	504371.98			

3634325.90 163.03300 (19121305)
504421.98 3634325.90 124.23316 (20082223) 504471.98
3634325.90 99.92492 (19012803)
504521.98 3634325.90 91.29230 (20121224) 504571.98
3634325.90 86.55191 (20121224)
504621.98 3634325.90 80.90927 (20020703) 504671.98
3634325.90 71.97744 (20020703)
504721.98 3634325.90 67.20193 (20122520) 502721.98
3634375.90 29.38487 (19083104)
502771.98 3634375.90 31.59523 (19083104) 502821.98
3634375.90 33.86294 (19083104)
503021.98 3634375.90 44.58113 (19083104) 503071.98
3634375.90 47.40177 (19083104)
503121.98 3634375.90 51.13966 (21012320) 503171.98
3634375.90 62.20437 (21012320)
503221.98 3634375.90 75.37731 (21012320) 503271.98
3634375.90 90.26582 (21012320)
504221.98 3634375.90 250.36910 (21081123) 504271.98
3634375.90 237.56898 (20081502)
504321.98 3634375.90 212.31695 (20090623) 504371.98
3634375.90 156.40621 (20121224)
504421.98 3634375.90 111.99668 (20020703) 504471.98
3634375.90 94.97030 (20020703)
504521.98 3634375.90 94.09233 (21122121) 504571.98
3634375.90 90.21831 (21122121)
504621.98 3634375.90 84.77591 (20121803) 504671.98
3634375.90 79.82101 (20121803)
504721.98 3634375.90 73.07428 (20121803) 502721.98
3634425.90 26.71698 (19083104)
502771.98 3634425.90 29.12403 (19083104) 502821.98
3634425.90 31.81632 (19083104)
504271.98 3634425.90 131.08625 (19021120) 504321.98
3634425.90 191.77251 (20081301)
504371.98 3634425.90 167.62473 (20081301) 504421.98
3634425.90 121.65459 (21122201)
504471.98 3634425.90 103.73761 (21122201) 504521.98
3634425.90 95.99469 (19021906)
504571.98 3634425.90 88.13956 (19021906) 504621.98
3634425.90 80.28802 (20031603)
504671.98 3634425.90 76.87175 (20013123) 504721.98
3634425.90 73.27554 (20013123)
502721.98 3634475.90 24.84270 (21021102) 502771.98
3634475.90 26.41526 (21021102)
502821.98 3634475.90 28.09827 (21021102) 504321.98
3634475.90 119.66089 (20120922)
504371.98 3634475.90 176.50248 (20082805) 504421.98
3634475.90 149.05441 (20013123)
504471.98 3634475.90 110.38409 (20013123) 504521.98
3634475.90 92.28119 (20092120)
504571.98 3634475.90 84.57187 (21013019) 504621.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504471.98   3634525.90   219.44700 (20082306)   504521.98
3634525.90   173.15665 (20082306)
        504571.98   3634525.90   140.79332 (20082306)   504621.98
3634525.90   114.86674 (20082306)
        504671.98   3634525.90   89.55408 (20082306)   504721.98
3634525.90   72.76902 (20082306)
        502721.98   3634575.90   38.30987 (21021102)   502771.98
3634575.90   41.03833 (21021102)
        504421.98   3634575.90   89.24300 (21011518)   504471.98
3634575.90   80.66021 (21011518)
        504521.98   3634575.90   119.18095 (20082304)   504571.98
3634575.90   123.61425 (20082306)
        504621.98   3634575.90   105.27898 (20011720)   504671.98
3634575.90   92.93811 (20011720)
        504721.98   3634575.90   77.91351 (20011720)   502721.98
3634625.90   36.11546 (21021102)
        502771.98   3634625.90   38.11836 (21021102)   502821.98
3634625.90   40.33346 (21021102)

```
        502871.98   3634625.90       42.65318  (21021102)              502921.98
3634625.90       45.12081  (21021102)
        502971.98   3634625.90       47.77383  (21021102)              503021.98
3634625.90       50.58934  (21021102)
        503071.98   3634625.90       53.53148  (21021102)              503121.98
3634625.90       56.54609  (21021102)
        504471.98   3634625.90       66.93995  (21101422)              504521.98
3634625.90       61.24455  (20122119)
        504571.98   3634625.90       74.64469  (21090306)              504621.98
3634625.90       78.84727  (21013119)
        504671.98   3634625.90       76.94225  (21013119)              504721.98
3634625.90       94.90208  (20041201)
        502721.98   3634675.90       28.45544  (21021102)              502771.98
3634675.90       29.26877  (21021102)
        502821.98   3634675.90       31.99197  (19050903)              502871.98
3634675.90       35.95515  (19050903)
        502921.98   3634675.90       40.43876  (19050903)              502971.98
3634675.90       45.47959  (19050903)
        503021.98   3634675.90       51.11377  (19050903)              503071.98
3634675.90       57.31729  (19050903)
        503121.98   3634675.90       64.00792  (19050903)              503171.98
3634675.90       70.93501  (19050903)
        503221.98   3634675.90       77.86044  (19050903)              503271.98
3634675.90       84.08970  (19050903)
        503321.98   3634675.90       88.51009  (19050903)              503371.98
3634675.90       91.53590  (20021724)
        503421.98   3634675.90      132.35376  (21011719)              503471.98
3634675.90      216.95418  (21011719)
        503521.98   3634675.90      274.99346  (21011719)              504521.98
3634675.90       66.13562  (21020220)
        504571.98   3634675.90       59.61798  (21101422)              504621.98
3634675.90       78.07577  (21012820)
        504671.98   3634675.90       68.56591  (21012820)              504721.98
3634675.90       61.27238  (21090306)
        502721.98   3634725.90       31.35361  (19050903)              502771.98
3634725.90       34.36005  (19050903)
        502821.98   3634725.90       37.56588  (19050903)              502871.98
3634725.90       40.93086  (19050903)
        502921.98   3634725.90       44.41488  (19050903)              502971.98
3634725.90       47.90008  (19050903)
        503021.98   3634725.90       51.23235  (19050903)              503071.98
3634725.90       54.18562  (19050903)
        503121.98   3634725.90       56.42369  (19050903)              503171.98
3634725.90       57.52427  (19050903)
        503221.98   3634725.90       57.06404  (19050903)              503271.98
3634725.90       72.22148  (20021724)
        503321.98   3634725.90      100.52429  (21011719)              503371.98
3634725.90      148.91695  (21011719)
        503421.98   3634725.90      183.88298  (21011719)              503471.98
3634725.90      177.79023  (20022207)
```

```
        503521.98   3634725.90      210.37280  (20022207)                503571.98
3634725.90      222.95576  (21012023)
        503621.98   3634725.90      255.30363  (21121424)                504571.98
3634725.90       60.79966  (21020220)
        504621.98   3634725.90       56.57132  (21020220)                504671.98
3634725.90       71.76285  (21012820)
        504721.98   3634725.90       84.43160  (21012820)                502721.98
3634775.90       33.22205  (19050903)
        502771.98   3634775.90       35.22472  (19050903)                502821.98
3634775.90       37.10086  (19050903)
        502871.98   3634775.90       38.74042  (19050903)                502921.98
3634775.90       40.03354  (19050903)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 788
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        502971.98   3634775.90       40.82367  (19050903)                503021.98
3634775.90       40.90938  (19050903)
        503071.98   3634775.90       40.12188  (19050903)                503121.98
3634775.90       47.36580  (20021724)
        503171.98   3634775.90       58.55054  (20021724)                503221.98
3634775.90       79.63922  (21011719)
        503271.98   3634775.90      110.50171  (21011719)                503321.98
3634775.90      133.59464  (21011719)
        503371.98   3634775.90      133.17764  (21011719)                503421.98
3634775.90      149.10327  (20022207)
        503471.98   3634775.90      161.40797  (21012023)                503521.98
3634775.90      162.46361  (21012023)
        503571.98   3634775.90      189.29651  (21121424)                503621.98
```

3634775.90 203.97094 (19121706)
503671.98 3634775.90 167.81580 (19020322) 503721.98
3634775.90 237.94017 (21021806)
503771.98 3634775.90 271.96059 (21012024) 503821.98
3634775.90 176.12075 (21012024)
504621.98 3634775.90 49.02206 (21020220) 504671.98
3634775.90 47.99483 (21020220)
504721.98 3634775.90 82.70140 (20082303) 502721.98
3634825.90 30.37010 (19050903)
502771.98 3634825.90 30.90098 (19050903) 502821.98
3634825.90 31.07399 (19050903)
502871.98 3634825.90 30.80493 (19050903) 502921.98
3634825.90 29.99984 (19050903)
502971.98 3634825.90 33.50918 (20021724) 503021.98
3634825.90 40.76524 (20021724)
503071.98 3634825.90 48.66937 (20021724) 503121.98
3634825.90 65.08597 (21011719)
503171.98 3634825.90 86.31421 (21011719) 503221.98
3634825.90 102.58502 (21011719)
503271.98 3634825.90 105.35969 (21011719) 503321.98
3634825.90 106.18944 (20022207)
503371.98 3634825.90 122.15028 (20022207) 503421.98
3634825.90 130.21924 (21012023)
503471.98 3634825.90 125.21600 (20040823) 503521.98
3634825.90 145.41284 (21121424)
503571.98 3634825.90 155.45755 (19121706) 503621.98
3634825.90 146.99349 (19121706)
503671.98 3634825.90 154.84905 (20120224) 503721.98
3634825.90 203.13944 (21021806)
503771.98 3634825.90 220.35702 (21012024) 503821.98
3634825.90 149.18175 (21012024)
503871.98 3634825.90 176.06819 (21013118) 503921.98
3634825.90 147.71986 (21013118)
504671.98 3634825.90 37.55207 (20082303) 504721.98
3634825.90 53.50144 (20082303)
502721.98 3634875.90 24.14909 (19050903) 502771.98
3634875.90 23.42513 (19050903)
502821.98 3634875.90 24.97762 (20021724) 502871.98
3634875.90 29.99013 (20021724)
502921.98 3634875.90 35.48324 (20021724) 502971.98
3634875.90 41.23571 (20021724)
503021.98 3634875.90 54.48580 (21011719) 503071.98
3634875.90 69.89029 (21011719)
503121.98 3634875.90 81.93126 (21011719) 503171.98
3634875.90 85.58221 (21011719)
503221.98 3634875.90 77.85266 (20022207) 503271.98
3634875.90 93.84705 (20022207)
503321.98 3634875.90 99.99648 (20022207) 503371.98
3634875.90 107.07592 (21012023)
503421.98 3634875.90 102.83471 (20040823) 503471.98

3634875.90   115.50595 (21121424)
        503521.98   3634875.90   122.19474 (21121424)   503571.98
3634875.90   130.36753 (19121706)
        503621.98   3634875.90   109.69617 (19020322)   503671.98
3634875.90   143.76596 (20120224)
        503721.98   3634875.90   171.44590 (21021806)   503771.98
3634875.90   182.49733 (21012024)
        503821.98   3634875.90   127.44653 (21012024)   503871.98
3634875.90   207.91380 (21060422)
        503921.98   3634875.90   276.45268 (20121721)   504721.98
3634875.90   29.01493 (20082303)
        502721.98   3634925.90   22.94169 (20021724)   502771.98
3634925.90   26.94167 (20021724)
        502821.98   3634925.90   31.20738 (20021724)   502871.98
3634925.90   35.54566 (20021724)
        502921.98   3634925.90   46.49894 (21011719)   502971.98
3634925.90   58.14509 (21011719)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002   , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

503421.98 3634925.90 94.85069 (20040823) 503471.98 3634925.90 103.96867 (21121424)
503521.98 3634925.90 110.78755 (19121706) 503571.98 3634925.90 94.73449 (19121706)
503621.98 3634925.90 90.17824 (20120224) 503671.98 3634925.90 127.87258 (20120224)
503721.98 3634925.90 209.04957 (21081004) 503771.98 3634925.90 223.50579 (20071102)
503821.98 3634925.90 251.08776 (19122420) 503871.98 3634925.90 265.71085 (20092001)
502721.98 3634975.90 27.69605 (20021724) 502771.98 3634975.90 31.19579 (21011719)
502821.98 3634975.90 40.28933 (21011719) 502871.98 3634975.90 49.38334 (21011719)
502921.98 3634975.90 56.70802 (21011719) 502971.98 3634975.90 60.17348 (21011719)
503021.98 3634975.90 58.00617 (21011719) 503071.98 3634975.90 56.82577 (20022207)
503121.98 3634975.90 66.27141 (20022207) 503171.98 3634975.90 71.00081 (20022207)
503221.98 3634975.90 73.43224 (21012023) 503271.98 3634975.90 75.86071 (21012023)
503321.98 3634975.90 74.25001 (20040823) 503371.98 3634975.90 81.23785 (20040823)
503421.98 3634975.90 89.11173 (21121424) 503471.98 3634975.90 92.44461 (19121706)
503521.98 3634975.90 90.06741 (19121706) 503571.98 3634975.90 79.06653 (19020322)
503621.98 3634975.90 91.71946 (20120224) 503671.98 3634975.90 111.18127 (21021806)
503721.98 3634975.90 204.57492 (21081004) 503771.98 3634975.90 220.70972 (20071102)
503821.98 3634975.90 214.75986 (19122420) 503871.98 3634975.90 173.57795 (19122420)
502721.98 3635025.90 35.34720 (21011719) 502771.98 3635025.90 42.63020 (21011719)
502821.98 3635025.90 48.57999 (21011719) 502871.98 3635025.90 51.71947 (21011719)
502921.98 3635025.90 50.80392 (21011719) 502971.98 3635025.90 45.41276 (21011719)
503021.98 3635025.90 53.77216 (20022207) 503071.98 3635025.90 59.80312 (20022207)
503121.98 3635025.90 61.32494 (20022207) 503171.98 3635025.90 64.83633 (21012023)
503221.98 3635025.90 65.00864 (21012023) 503271.98 3635025.90 64.54959 (20040823)
503321.98 3635025.90 70.38964 (20040823) 503371.98 3635025.90 77.05734 (21121424)
503421.98 3635025.90 76.53651 (19121706) 503471.98 3635025.90 81.92450 (19121706)

```
        503521.98   3635025.90       66.31758  (19121706)                503571.98
3635025.90       67.55989  (19020322)
        503621.98   3635025.90       88.69685  (20120224)                503671.98
3635025.90      131.26200  (19031924)
        503721.98   3635025.90      203.11159  (21081004)                503771.98
3635025.90      193.45193  (20071102)
        503821.98   3635025.90      166.64851  (19072224)                504371.98
3635025.90       56.06648  (21012617)
        502721.98   3635075.90       42.21606  (21011719)                502771.98
3635075.90       45.03911  (21011719)
        502821.98   3635075.90       44.84482  (21011719)                502871.98
3635075.90       41.23073  (21011719)
        502921.98   3635075.90       43.92762  (20022207)                502971.98
3635075.90       50.09838  (20022207)
        503021.98   3635075.90       53.59264  (20022207)                503071.98
3635075.90       53.04491  (20022207)
        503121.98   3635075.90       57.48614  (21012023)                503171.98
3635075.90       56.30697  (21012023)
        503221.98   3635075.90       56.84047  (20040823)                503271.98
3635075.90       61.77934  (20040823)
        503321.98   3635075.90       67.09139  (21121424)                503371.98
3635075.90       65.55297  (21121424)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 790
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503421.98   3635075.90       72.59071  (19121706)                503471.98
3635075.90       65.75234  (19121706)
        503521.98   3635075.90       60.69337  (19020322)                503571.98
```

3635075.90 60.94599 (20120224)
503621.98 3635075.90 83.04760 (20120224) 503671.98
3635075.90 141.86816 (19031924)
503721.98 3635075.90 177.58953 (21081004) 503771.98
3635075.90 177.60675 (20071102)
503821.98 3635075.90 150.86696 (19072224) 504371.98
3635075.90 53.75335 (21012617)
504421.98 3635075.90 50.15843 (21012617) 504471.98
3635075.90 43.07945 (21012617)
504521.98 3635075.90 34.63625 (21012617) 502721.98
3635125.90 39.89854 (21011719)
502771.98 3635125.90 37.45898 (21011719) 502821.98
3635125.90 36.18120 (20022207)
502871.98 3635125.90 41.97840 (20022207) 502921.98
3635125.90 46.22969 (20022207)
502971.98 3635125.90 47.81932 (20022207) 503021.98
3635125.90 48.45073 (21012023)
503071.98 3635125.90 51.22117 (21012023) 503121.98
3635125.90 49.20408 (21012023)
503171.98 3635125.90 50.57189 (20040823) 503221.98
3635125.90 54.76060 (20040823)
503271.98 3635125.90 58.86464 (21121424) 503321.98
3635125.90 59.39379 (21121424)
503371.98 3635125.90 63.31245 (19121706) 503421.98
3635125.90 62.43819 (19121706)
503471.98 3635125.90 52.04800 (19020322) 503521.98
3635125.90 53.44860 (19020322)
503571.98 3635125.90 111.45739 (20101023) 503621.98
3635125.90 108.72342 (20120224)
503671.98 3635125.90 140.07985 (20090823) 503721.98
3635125.90 160.68111 (19101219)
503771.98 3635125.90 144.33639 (20071102) 503821.98
3635125.90 133.94319 (19072224)
504371.98 3635125.90 46.12494 (21012617) 504421.98
3635125.90 47.66558 (21012617)
504471.98 3635125.90 45.18809 (21012617) 504521.98
3635125.90 39.70986 (21012617)
504571.98 3635125.90 32.76824 (21012617) 502721.98
3635175.90 30.44270 (21011719)
502771.98 3635175.90 35.29685 (20022207) 502821.98
3635175.90 39.61549 (20022207)
502871.98 3635175.90 42.25636 (20022207) 502921.98
3635175.90 42.55578 (20022207)
502971.98 3635175.90 44.37166 (21012023) 503021.98
3635175.90 45.84354 (21012023)
503071.98 3635175.90 43.35657 (21012023) 503121.98
3635175.90 45.40214 (20040823)
503171.98 3635175.90 49.06229 (20040823) 503221.98
3635175.90 52.03188 (21121424)
503271.98 3635175.90 53.85414 (21121424) 503321.98

3635175.90   54.83400 (19121706)
        503371.98   3635175.90   57.64244 (19121706)   503421.98
3635175.90   49.89656 (19121706)
        503471.98   3635175.90   48.37428 (19020322)   503521.98
3635175.90   45.66943 (19020322)
        503571.98   3635175.90   120.57667 (20101023)   503621.98
3635175.90   122.48304 (19031924)
        503671.98   3635175.90   137.21135 (21081004)   503721.98
3635175.90   136.40064 (19101219)
        503771.98   3635175.90   122.44554 (19072223)   503821.98
3635175.90   115.27830 (19072224)
        504371.98   3635175.90   43.67925 (20011620)   504421.98
3635175.90   41.12050 (21012617)
        504471.98   3635175.90   42.75580 (21012617)   504521.98
3635175.90   40.98247 (21012617)
        504571.98   3635175.90   36.63231 (21012617)   504621.98
3635175.90   30.98890 (21012617)
        502721.98   3635225.90   34.02428 (20022207)   502771.98
3635225.90   37.12661 (20022207)
        502821.98   3635225.90   38.55864 (20022207)   502871.98
3635225.90   37.83200 (20022207)
        502921.98   3635225.90   40.64536 (21012023)   502971.98
3635225.90   41.21015 (21012023)
        503021.98   3635225.90   38.48621 (21012023)   503071.98
3635225.90   41.07789 (20040823)
        503121.98   3635225.90   44.27572 (20040823)   503171.98
3635225.90   46.35287 (21121424)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)

```
 - - -
```

```
        503021.98   3635325.90       36.67285  (20040823)               503071.98
3635325.90       37.32717  (21121424)
        503121.98   3635325.90       40.49032  (21121424)               503171.98
3635325.90       39.32841  (21121424)
        503221.98   3635325.90       41.86994  (19121706)               503271.98
3635325.90       43.50125  (19121706)
        503321.98   3635325.90       39.02914  (19121706)               503371.98
3635325.90       35.47841  (19020322)
        503421.98   3635325.90       36.53336  (19020322)               503471.98
3635325.90       32.97543  (19020322)
        503521.98   3635325.90       45.77026  (20120224)               503571.98
3635325.90       51.77104  (20120224)
        503621.98   3635325.90      100.47033  (19031924)               504371.98
3635325.90       50.70094  (21090701)
        504421.98   3635325.90       55.68333  (21090701)               504471.98
3635325.90       35.14923  (20011620)
        504521.98   3635325.90       31.27034  (20011620)               504571.98
3635325.90       30.62707  (21012617)
        504621.98   3635325.90       36.34376  (21012617)               504671.98
3635325.90       45.13419  (20091421)
        504721.98   3635325.90       29.37639  (21012617)               502721.98
3635375.90       44.96902  (21012023)
        502771.98   3635375.90       54.54970  (21072005)               502821.98
3635375.90       54.79198  (21072005)
        502871.98   3635375.90       58.41382  (21110406)               502921.98
3635375.90       57.88269  (20070801)
        502971.98   3635375.90       44.10348  (20040823)               503021.98
3635375.90       62.87569  (20070802)
        503071.98   3635375.90       69.35983  (20111121)               503121.98
3635375.90       61.33232  (19091321)
        503171.98   3635375.90       45.54824  (19121706)               503221.98
3635375.90       40.13834  (19121706)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 792
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635375.90	38.05674	(19121706)	503321.98	3635375.90	31.24914	(19121706)
503371.98	3635375.90	33.64910	(19020322)	503421.98	3635375.90	32.66583	(19020322)
503471.98	3635375.90	34.54960	(20120224)	503521.98	3635375.90	44.73476	(20120224)
503571.98	3635375.90	47.53925	(20120224)	503621.98	3635375.90	75.31296	(20090823)
503671.98	3635375.90	106.19227	(21081004)	503721.98	3635375.90	103.62936	(19101219)
504371.98	3635375.90	52.26915	(21121422)	504421.98	3635375.90	38.55484	(20011620)
504471.98	3635375.90	33.36424	(20011620)	504521.98	3635375.90	31.99353	(20011620)
504571.98	3635375.90	28.34014	(20011620)	504621.98	3635375.90	53.02496	(21122618)
504671.98	3635375.90	53.65349	(21122618)	504721.98	3635375.90	41.57731	(20091421)
502721.98	3635425.90	45.26546	(21012023)	502771.98	3635425.90	50.99700	(21072005)
502821.98	3635425.90	56.22076	(21110406)	502871.98	3635425.90	58.95007	(20070801)
502921.98	3635425.90	58.67858	(20070802)	502971.98	3635425.90	66.84433	(20070802)
503021.98	3635425.90	66.78940	(20111121)	503071.98	3635425.90	74.67255	(19091321)
503121.98	3635425.90	60.51731	(20042421)	503171.98	3635425.90	53.89605	(20042421)
503221.98	3635425.90	36.37183	(19121706)	503271.98	3635425.90	66.57881	(20110924)
503321.98	3635425.90	61.33378	(19073101)	503371.98	3635425.90	33.64553	(19020322)
503421.98	3635425.90	28.63253	(19020322)	503471.98	3635425.90	44.29830	(20120224)
503521.98	3635425.90	71.37555	(20101023)	503571.98	3635425.90	78.39396	(19031924)
503621.98	3635425.90	73.38982	(20090823)	503671.98	3635425.90	97.22998	(21081004)
503721.98	3635425.90	100.60511	(19101219)	503771.98	3635425.90	99.67037	(20071102)
503821.98	3635425.90	75.09537	(21061222)	504371.98	3635425.90	65.33550	(21121422)
504421.98	3635425.90	49.97135	(21061321)	504471.98			

3635425.90   52.44354 (21090701)
        504521.98   3635425.90   30.78813 (20011620)   504571.98
3635425.90   29.22545 (20011620)
        504621.98   3635425.90   59.66155 (21122618)   504671.98
3635425.90   59.65831 (21122618)
        504721.98   3635425.90   50.59611 (21122618)   502721.98
3635475.90   46.01648 (21110406)
        502771.98   3635475.90   52.35506 (21110406)   502821.98
3635475.90   54.74486 (20070801)
        502871.98   3635475.90   54.07467 (20070802)   502921.98
3635475.90   61.94534 (20070802)
        502971.98   3635475.90   63.11678 (19100620)   503021.98
3635475.90   69.61228 (19091321)
        503071.98   3635475.90   66.86873 (21061223)   503121.98
3635475.90   60.32013 (20042421)
        503171.98   3635475.90   51.19838 (19121706)   503221.98
3635475.90   59.97688 (20110924)
        503271.98   3635475.90   61.28896 (20110924)   503321.98
3635475.90   63.99437 (20091222)
        503371.98   3635475.90   57.65564 (19111601)   503421.98
3635475.90   63.22975 (20033120)
        503471.98   3635475.90   70.79477 (20101023)   503521.98
3635475.90   65.45729 (20120224)
        503571.98   3635475.90   77.27809 (19031924)   503621.98
3635475.90   69.67050 (21081004)
        503671.98   3635475.90   80.45185 (21081004)   503721.98
3635475.90   85.50905 (19101219)
        503771.98   3635475.90   94.35017 (20071102)   503821.98
3635475.90   72.67863 (20071102)
        503871.98   3635475.90   87.62710 (19013104)   503921.98
3635475.90   103.97759 (19122420)
        504371.98   3635475.90   17.10041 (20040223)   504421.98
3635475.90   21.27958 (20011620)
        504471.98   3635475.90   40.17065 (21061321)   504521.98
3635475.90   28.11258 (20011620)
        504571.98   3635475.90   44.33016 (21090701)   504621.98
3635475.90   49.84995 (21090701)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504671.98	3635475.90	57.43066	(21122618)	504721.98	3635475.90	59.49452	(21122618)
502221.98	3632975.90	4.98750	(21030103)	502271.98	3632975.90	6.22833	(21030103)
502321.98	3632975.90	7.59828	(21030103)	502371.98	3632975.90	9.02794	(21030103)
502421.98	3632975.90	10.41701	(21030103)	502471.98	3632975.90	11.64095	(21030103)
502521.98	3632975.90	12.56665	(21030103)	502571.98	3632975.90	13.07353	(21030103)
502621.98	3632975.90	14.28570	(20121603)	502671.98	3632975.90	16.73243	(20121603)
502721.98	3632975.90	18.61223	(20121603)	502771.98	3632975.90	19.58761	(20121603)
502821.98	3632975.90	29.69494	(20121603)	502871.98	3632975.90	31.10327	(20092124)
502921.98	3632975.90	37.70470	(20092124)	502971.98	3632975.90	38.63723	(20090205)
503021.98	3632975.90	37.99236	(20090205)	503071.98	3632975.90	35.02379	(20090205)
503121.98	3632975.90	38.33003	(20102407)	503171.98	3632975.90	39.78254	(20111701)
503221.98	3632975.90	37.78475	(20111701)	503271.98	3632975.90	39.76313	(19081924)
503321.98	3632975.90	46.93814	(19081924)	503371.98	3632975.90	44.82056	(19081924)
503421.98	3632975.90	42.58650	(19110606)	503471.98	3632975.90	44.79895	(19110606)
503621.98	3632975.90	42.76310	(20050102)	503671.98	3632975.90	40.98881	(21020203)
503721.98	3632975.90	39.93271	(21020203)	503771.98	3632975.90	34.11977	(20082921)
503821.98	3632975.90	36.15463	(20082921)	503871.98	3632975.90	32.12543	(20110207)
503921.98	3632975.90	26.68379	(20080919)	503971.98	3632975.90	33.16931	(20082519)
504021.98	3632975.90	35.66730	(20022622)	504071.98	3632975.90	35.15086	(21013120)

```
        504121.98   3632975.90       34.77792  (21011302)                504171.98
3632975.90       31.57166  (19102905)
        504221.98   3632975.90       33.98602  (21022205)                504271.98
3632975.90       34.41849  (20022403)
        504321.98   3632975.90       32.34581  (21011620)                504371.98
3632975.90       32.79118  (21011620)
        504421.98   3632975.90       32.65573  (21013021)                504471.98
3632975.90       31.78288  (20042404)
        504521.98   3632975.90       31.79219  (21120723)                504571.98
3632975.90       30.92518  (20101423)
        504621.98   3632975.90       29.95674  (20112022)                504671.98
3632975.90       30.59326  (21011323)
        504721.98   3632975.90       29.60831  (21120804)                504771.98
3632975.90       29.29644  (21010102)
        504821.98   3632975.90       28.04643  (21022803)                504871.98
3632975.90       28.77608  (19022705)
        504921.98   3632975.90       28.34587  (21021820)                504971.98
3632975.90       27.32751  (21011520)
        505021.98   3632975.90       27.06139  (21011520)                505071.98
3632975.90       26.34297  (21010522)
        505121.98   3632975.90       25.87604  (19122301)                505171.98
3632975.90       25.39950  (20122923)
        505221.98   3632975.90       23.84790  (20122923)                502221.98
3633025.90        4.13587  (21030103)
        502271.98   3633025.90        5.29913  (21030103)                502321.98
3633025.90        6.63694  (21030103)
        502371.98   3633025.90        8.11348  (21030103)                502421.98
3633025.90        9.64486  (21030103)
        502471.98   3633025.90       11.11235  (21030103)                502521.98
3633025.90       12.38089  (21030103)
        502571.98   3633025.90       13.29767  (21030103)                502621.98
3633025.90       13.73169  (21030103)
        502671.98   3633025.90       15.71132  (20121603)                502721.98
3633025.90       18.18526  (20121603)
        502771.98   3633025.90       19.91854  (20121603)                502821.98
3633025.90       32.31289  (20121603)
        502871.98   3633025.90       32.12389  (20121603)                502921.98
3633025.90       35.60994  (20092124)
        502971.98   3633025.90       36.90286  (20090205)                503021.98
3633025.90       43.44790  (20090205)
        503071.98   3633025.90       42.03230  (20090205)                503121.98
3633025.90       36.78329  (20102407)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 794
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503171.98	3633025.90	38.60164	(20111701)	503221.98	3633025.90	38.76531	(20111701)
503271.98	3633025.90	38.57128	(19050103)	503321.98	3633025.90	49.67724	(19081924)
503371.98	3633025.90	48.89820	(19081924)	503421.98	3633025.90	42.87742	(19110606)
503471.98	3633025.90	47.08255	(19110606)	503621.98	3633025.90	42.61787	(20050102)
503671.98	3633025.90	42.49082	(20050102)	503721.98	3633025.90	42.42920	(21020203)
503771.98	3633025.90	32.92752	(20082921)	503821.98	3633025.90	35.55150	(20110207)
503871.98	3633025.90	33.08277	(20110207)	503921.98	3633025.90	28.72315	(20080820)
503971.98	3633025.90	34.44672	(20082519)	504021.98	3633025.90	37.32342	(20022622)
504071.98	3633025.90	37.11061	(21013120)	504121.98	3633025.90	35.35338	(21011302)
504171.98	3633025.90	34.19906	(19102905)	504221.98	3633025.90	35.37396	(21022205)
504271.98	3633025.90	36.59184	(20022403)	504321.98	3633025.90	35.29937	(21011620)
504371.98	3633025.90	33.65280	(20052501)	504421.98	3633025.90	32.15962	(21013021)
504471.98	3633025.90	33.24361	(21120723)	504521.98	3633025.90	31.56924	(20112701)
504571.98	3633025.90	31.33049	(20112022)	504621.98	3633025.90	31.12882	(21022020)
504671.98	3633025.90	31.09692	(21011323)	504721.98	3633025.90	31.12293	(21010102)
504771.98	3633025.90	30.38556	(20011902)	504821.98	3633025.90	29.78637	(19022705)
504871.98	3633025.90	29.75171	(21021820)	504921.98			

```
3633025.90       28.77087  (20121007)
        504971.98   3633025.90       28.79495  (21011520)                505021.98
3633025.90       27.18221  (21010522)
        505071.98   3633025.90       26.81393  (19122301)                505121.98
3633025.90       26.39094  (20122923)
        505171.98   3633025.90       25.16717  (20122923)                505221.98
3633025.90       25.04387  (20100121)
        502221.98   3633075.90        4.66888  (19010119)                502271.98
3633075.90        4.38874  (21030103)
        502321.98   3633075.90        5.63998  (21030103)                502371.98
3633075.90        7.08911  (21030103)
        502421.98   3633075.90        8.68153  (21030103)                502471.98
3633075.90       10.31781  (21030103)
        502521.98   3633075.90       11.87297  (21030103)                502571.98
3633075.90       13.18227  (21030103)
        502621.98   3633075.90       14.07670  (21030103)                502671.98
3633075.90       14.41892  (21030103)
        502721.98   3633075.90       17.26993  (20121603)                502771.98
3633075.90       19.72596  (20121603)
        502821.98   3633075.90       31.23873  (20121603)                502871.98
3633075.90       33.86872  (20121603)
        502921.98   3633075.90       35.50240  (20092124)                502971.98
3633075.90       39.20775  (21063005)
        503021.98   3633075.90       42.93470  (20090205)                503071.98
3633075.90       42.21361  (20090205)
        503121.98   3633075.90       35.32370  (20061222)                503171.98
3633075.90       40.52027  (20082723)
        503221.98   3633075.90       41.61469  (20082723)                503271.98
3633075.90       38.33390  (20111701)
        503321.98   3633075.90       48.92313  (19081924)                503371.98
3633075.90       51.25874  (19081924)
        503421.98   3633075.90       42.17571  (19110606)                503471.98
3633075.90       48.98401  (19110606)
        503621.98   3633075.90       42.38871  (20050102)                503671.98
3633075.90       42.78840  (20050102)
        503721.98   3633075.90       42.27880  (21020203)                503771.98
3633075.90       33.45702  (20032924)
        503821.98   3633075.90       37.45584  (20110207)                503871.98
3633075.90       34.00445  (20110207)
        503921.98   3633075.90       31.03097  (20080820)                503971.98
3633075.90       36.73043  (19032124)
        504021.98   3633075.90       38.68111  (20022622)                504071.98
3633075.90       38.62671  (21013120)
        504121.98   3633075.90       35.22270  (21011302)                504171.98
3633075.90       36.21922  (19102905)
        504221.98   3633075.90       36.79923  (19121107)                504271.98
3633075.90       37.29858  (20022403)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3633075.90	36.74796	(21011620)	504371.98	3633075.90	35.80679	(21013021)
504421.98	3633075.90	34.35611	(20042404)	504471.98	3633075.90	34.69625	(21120723)
504521.98	3633075.90	33.56494	(20101423)	504571.98	3633075.90	32.29401	(20112022)
504621.98	3633075.90	33.32498	(21011323)	504671.98	3633075.90	31.83753	(21010102)
504721.98	3633075.90	31.98837	(20011902)	504771.98	3633075.90	30.34009	(21022803)
504821.98	3633075.90	30.68725	(21021820)	504871.98	3633075.90	30.09756	(20121007)
504921.98	3633075.90	30.39619	(21011520)	504971.98	3633075.90	28.64541	(19121906)
505021.98	3633075.90	28.28670	(21010522)	505071.98	3633075.90	27.39965	(20122923)
505121.98	3633075.90	26.56789	(20122923)	505171.98	3633075.90	26.10119	(20100121)
505221.98	3633075.90	26.96948	(21022502)	502221.98	3633125.90	5.27512	(19010119)
502271.98	3633125.90	4.97277	(19010119)	502321.98	3633125.90	4.65787	(21030103)
502371.98	3633125.90	6.01363	(21030103)	502421.98	3633125.90	7.58522	(21030103)
502471.98	3633125.90	9.30446	(21030103)	502521.98	3633125.90	11.06409	(21030103)
502571.98	3633125.90	12.70829	(21030103)	502621.98	3633125.90	14.05063	(21030103)

```
        502671.98   3633125.90       14.90677  (21030103)               502721.98
3633125.90       15.89968  (20121603)
        502771.98   3633125.90       18.95907  (20121603)               502821.98
3633125.90       21.32503  (20121603)
        502871.98   3633125.90       33.80936  (20121603)               502921.98
3633125.90       34.04628  (20121603)
        502971.98   3633125.90       42.70108  (20092124)               503021.98
3633125.90       48.57687  (20092124)
        503071.98   3633125.90       49.48331  (20092124)               503121.98
3633125.90       40.76954  (20061222)
        503171.98   3633125.90       40.35172  (20082723)               503221.98
3633125.90       43.74846  (20082723)
        503271.98   3633125.90       40.42348  (20111701)               503321.98
3633125.90       48.14299  (19081924)
        503371.98   3633125.90       54.65925  (19081924)               503421.98
3633125.90       43.41115  (19081924)
        503471.98   3633125.90       50.46077  (19110606)               503621.98
3633125.90       41.54526  (20050102)
        503671.98   3633125.90       42.59054  (20050102)               503721.98
3633125.90       42.16573  (21020203)
        503771.98   3633125.90       35.66332  (20032924)               503821.98
3633125.90       39.46861  (20110207)
        503871.98   3633125.90       34.79891  (20110207)               503921.98
3633125.90       33.42272  (20080820)
        503971.98   3633125.90       38.92763  (19032124)               504021.98
3633125.90       39.64461  (20022622)
        504071.98   3633125.90       39.55298  (21013120)               504121.98
3633125.90       34.30906  (21011302)
        504171.98   3633125.90       37.96797  (21022205)               504221.98
3633125.90       38.66618  (20022403)
        504271.98   3633125.90       37.06737  (21011620)               504321.98
3633125.90       36.97641  (20052501)
        504371.98   3633125.90       36.18573  (21013021)               504421.98
3633125.90       35.92906  (21120723)
        504471.98   3633125.90       34.40081  (20112701)               504521.98
3633125.90       34.20736  (20112022)
        504571.98   3633125.90       33.85263  (21011323)               504621.98
3633125.90       33.40287  (21120804)
        504671.98   3633125.90       33.58669  (21010102)               504721.98
3633125.90       31.92836  (20011902)
        504771.98   3633125.90       32.63584  (19022705)               504821.98
3633125.90       31.74563  (21021820)
        504871.98   3633125.90       31.76587  (21011520)               504921.98
3633125.90       30.20786  (19121906)
        504971.98   3633125.90       29.94981  (21010522)               505021.98
3633125.90       28.99262  (19122301)
        505071.98   3633125.90       28.06563  (20122923)               505121.98
3633125.90       27.22752  (20100121)
        505171.98   3633125.90       28.18630  (21022502)               505221.98
3633125.90       26.82697  (21022502)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502321.98	3633175.90	5.29061	(19010119)	502371.98	3633175.90	4.95350	(21030103)
502421.98	3633175.90	6.42852	(21030103)	502471.98	3633175.90	8.13451	(21030103)
502521.98	3633175.90	9.99877	(21030103)	502571.98	3633175.90	11.88746	(21030103)
502621.98	3633175.90	13.62118	(21030103)	502671.98	3633175.90	14.98786	(21030103)
502721.98	3633175.90	15.77550	(21030103)	502771.98	3633175.90	26.96908	(21030103)
502821.98	3633175.90	34.47187	(21031822)	502871.98	3633175.90	32.17027	(20121603)
502921.98	3633175.90	35.24555	(20121603)	502971.98	3633175.90	34.42447	(20092124)
503021.98	3633175.90	48.91515	(20092124)	503071.98	3633175.90	52.62591	(20092124)
503121.98	3633175.90	48.11405	(20092124)	503171.98	3633175.90	36.81831	(20061222)
503221.98	3633175.90	45.52281	(20082723)	503271.98	3633175.90	44.91941	(20082723)
503321.98	3633175.90	44.98791	(19050103)	503371.98	3633175.90	55.00228	(19081924)
503421.98	3633175.90	48.33948	(19081924)	503471.98			

```
3633175.90       51.40169  (19110606)
        503621.98   3633175.90       38.44347  (19091221)                503671.98
3633175.90       43.70090  (20050102)
        503721.98   3633175.90       42.03232  (21020203)                503771.98
3633175.90       37.87577  (20032924)
        503821.98   3633175.90       41.60331  (20110207)                503871.98
3633175.90       35.58108  (20110207)
        503921.98   3633175.90       35.93419  (20082519)                503971.98
3633175.90       40.97016  (19032124)
        504021.98   3633175.90       40.13539  (20022622)                504071.98
3633175.90       41.32185  (21011302)
        504121.98   3633175.90       37.68613  (19102905)                504171.98
3633175.90       40.38886  (21022205)
        504221.98   3633175.90       41.54690  (20022403)                504271.98
3633175.90       40.31930  (21011620)
        504321.98   3633175.90       39.00029  (21013021)                504371.98
3633175.90       37.14934  (20042404)
        504421.98   3633175.90       38.06828  (21120723)                504471.98
3633175.90       36.66301  (20101423)
        504521.98   3633175.90       34.96133  (21022020)                504571.98
3633175.90       36.25472  (21011323)
        504621.98   3633175.90       35.41562  (21010102)                504671.98
3633175.90       34.76928  (20011902)
        504721.98   3633175.90       34.16452  (19022705)                504771.98
3633175.90       33.89434  (21021820)
        504821.98   3633175.90       32.82890  (21011520)                504871.98
3633175.90       31.62025  (19121906)
        504921.98   3633175.90       31.59366  (21010522)                504971.98
3633175.90       30.67599  (19122301)
        505021.98   3633175.90       29.68305  (20122923)                505071.98
3633175.90       28.44527  (20100121)
        505121.98   3633175.90       29.50161  (21022502)                505171.98
3633175.90       28.02178  (21022502)
        505221.98   3633175.90       26.70411  (20100521)                502221.98
3633225.90        6.38029  (19010119)
        502271.98   3633225.90        6.22639  (19010119)                502321.98
3633225.90        5.97868  (19010119)
        502371.98   3633225.90        5.65623  (19010119)                502421.98
3633225.90        5.27807  (21030103)
        502471.98   3633225.90        6.88076  (21030103)                502521.98
3633225.90        8.74234  (21030103)
        502571.98   3633225.90       10.76523  (21030103)                502621.98
3633225.90       12.79575  (21030103)
        502671.98   3633225.90       14.62264  (21030103)                502721.98
3633225.90       15.99475  (21030103)
        502771.98   3633225.90       16.70665  (21030103)                502821.98
3633225.90       30.29038  (21031822)
        502871.98   3633225.90       34.63541  (21031822)                502921.98
3633225.90       35.31574  (20121603)
        502971.98   3633225.90       35.24456  (20121603)                503021.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503371.98   3633225.90   51.99326 (19081924)   503421.98
3633225.90   52.26775 (19081924)
        503471.98   3633225.90   51.32835 (19110606)   503621.98
3633225.90   39.63148 (19091221)
        503671.98   3633225.90   44.42687 (20050102)   503721.98
3633225.90   43.68397 (21020203)
        503771.98   3633225.90   39.74149 (20032924)   503821.98
3633225.90   43.67671 (20110207)
        503871.98   3633225.90   36.35158 (20110207)   503921.98
3633225.90   38.58926 (20082519)
        503971.98   3633225.90   42.77760 (19032124)   504021.98
3633225.90   43.09268 (21013120)
        504071.98   3633225.90   42.74485 (21011302)   504121.98
3633225.90   41.05363 (19102905)
        504171.98   3633225.90   41.74729 (19121107)   504221.98
3633225.90   42.57192 (20022403)
        504271.98   3633225.90   41.53034 (21011620)   504321.98
3633225.90   40.61322 (21013021)

504371.98 3633225.90 39.24810 (20042404) 504421.98 3633225.90 37.71973 (20112701)
504471.98 3633225.90 37.56896 (20112022) 504521.98 3633225.90 37.71101 (21011323)
504571.98 3633225.90 36.45256 (20031721) 504621.98 3633225.90 36.60967 (20011902)
504671.98 3633225.90 34.86998 (19022705) 504721.98 3633225.90 35.55611 (21021820)
504771.98 3633225.90 34.45031 (20121007) 504821.98 3633225.90 34.02928 (21011520)
504871.98 3633225.90 33.16744 (21010522) 504921.98 3633225.90 32.40909 (19122301)
504971.98 3633225.90 31.41529 (20122923) 505021.98 3633225.90 29.77899 (20100121)
505071.98 3633225.90 30.94721 (21022502) 505121.98 3633225.90 29.32090 (21022502)
505171.98 3633225.90 28.03386 (20100521) 505221.98 3633225.90 29.05946 (20021702)
502221.98 3633275.90 6.81608 (19010119) 502271.98 3633275.90 6.77337 (19010119)
502321.98 3633275.90 6.63488 (19010119) 502371.98 3633275.90 6.39159 (19010119)
502421.98 3633275.90 6.04735 (19010119) 502471.98 3633275.90 5.63224 (21030103)
502521.98 3633275.90 7.38518 (21030103) 502571.98 3633275.90 9.41721 (21030103)
502621.98 3633275.90 11.61747 (21030103) 502671.98 3633275.90 13.80250 (21030103)
502721.98 3633275.90 15.72431 (21030103) 502771.98 3633275.90 17.09723 (21030103)
502821.98 3633275.90 35.75184 (21030103) 502871.98 3633275.90 34.83969 (21031822)
502921.98 3633275.90 34.00964 (20121603) 502971.98 3633275.90 36.64526 (20121603)
503021.98 3633275.90 36.36479 (20121603) 503071.98 3633275.90 43.15814 (20092124)
503121.98 3633275.90 44.81332 (20092124) 503171.98 3633275.90 43.45293 (20092124)
503221.98 3633275.90 38.28457 (20082723) 503271.98 3633275.90 51.52086 (20082723)
503321.98 3633275.90 49.37674 (20111701) 503371.98 3633275.90 51.13699 (19081924)
503421.98 3633275.90 54.35091 (19081924) 503471.98 3633275.90 47.71155 (21020924)
503621.98 3633275.90 39.03192 (19091221) 503671.98 3633275.90 45.27397 (20050102)
503721.98 3633275.90 46.00726 (21020203) 503771.98 3633275.90 41.75870 (20032924)
503821.98 3633275.90 45.81378 (20110207) 503871.98 3633275.90 37.09330 (20110207)

```
        503921.98   3633275.90       41.27501  (20082519)                503971.98
3633275.90       45.87319  (20022622)
        504021.98   3633275.90       46.11719  (21013120)                504071.98
3633275.90       43.22182  (21011302)
        504121.98   3633275.90       43.31388  (19102905)                504171.98
3633275.90       44.08633  (19121107)
        504221.98   3633275.90       42.99690  (21011620)                504271.98
3633275.90       42.20207  (20052501)
        504321.98   3633275.90       40.10246  (20042404)                504371.98
3633275.90       41.97582  (21120723)
        504421.98   3633275.90       40.30335  (20101423)                504471.98
3633275.90       38.52851  (21022020)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 798
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        504521.98   3633275.90       39.35927  (21011323)                504571.98
3633275.90       38.96373  (21010102)
        504621.98   3633275.90       36.91013  (20011902)                504671.98
3633275.90       37.40124  (19022705)
        504721.98   3633275.90       36.29997  (20121007)                504771.98
3633275.90       36.42210  (21011520)
        504821.98   3633275.90       34.65256  (21010522)                504871.98
3633275.90       34.15549  (19122301)
        504921.98   3633275.90       33.23865  (20122923)                504971.98
3633275.90       31.21515  (20100121)
        505021.98   3633275.90       32.52797  (21022502)                505071.98
3633275.90       30.80009  (19120104)
        505121.98   3633275.90       29.49586  (20100521)                505171.98
```

```
3633275.90       30.55471  (20021702)
        505221.98   3633275.90       29.76782  (20020804)                502221.98
3633325.90        7.36682  (21111004)
        502271.98   3633325.90        7.22261  (19010119)                502321.98
3633325.90        7.20877  (19010119)
        502371.98   3633325.90        7.07978  (19010119)                502421.98
3633325.90        6.83515  (19010119)
        502471.98   3633325.90        6.47693  (19010119)                502521.98
3633325.90        6.02524  (19010119)
        502571.98   3633325.90        7.94357  (21030103)                502621.98
3633325.90       10.17020  (21030103)
        502671.98   3633325.90       12.57018  (21030103)                502721.98
3633325.90       14.92348  (21030103)
        502771.98   3633325.90       28.37426  (20122620)                502821.98
3633325.90       33.06619  (20122620)
        502871.98   3633325.90       20.00144  (20121603)                502921.98
3633325.90       24.09070  (20121603)
        502971.98   3633325.90       31.09632  (20121603)                503021.98
3633325.90       38.51351  (20121603)
        503071.98   3633325.90       29.53940  (20121603)                503121.98
3633325.90       22.96347  (20121603)
        503171.98   3633325.90       22.82464  (21063005)                503221.98
3633325.90       38.61659  (20092124)
        503271.98   3633325.90       52.03684  (20082723)                503321.98
3633325.90       53.15719  (20111701)
        503371.98   3633325.90       50.79588  (20111701)                503421.98
3633325.90       47.33717  (21110603)
        503471.98   3633325.90       45.00266  (21020924)                503621.98
3633325.90       37.85001  (19091221)
        503671.98   3633325.90       46.95363  (20050102)                503721.98
3633325.90       48.80232  (21020203)
        503771.98   3633325.90       43.71579  (20032924)                503821.98
3633325.90       48.11722  (20110207)
        503871.98   3633325.90       37.80208  (20110207)                503921.98
3633325.90       43.94320  (20082519)
        503971.98   3633325.90       48.31991  (20022622)                504021.98
3633325.90       48.26606  (21013120)
        504071.98   3633325.90       42.55386  (21011302)                504121.98
3633325.90       46.04918  (21022205)
        504171.98   3633325.90       47.75790  (20022403)                504221.98
3633325.90       46.52409  (21011620)
        504271.98   3633325.90       45.33683  (21013021)                504321.98
3633325.90       43.22112  (20042404)
        504371.98   3633325.90       41.17941  (20112701)                504421.98
3633325.90       41.45840  (20112022)
        504471.98   3633325.90       42.05106  (21011323)                504521.98
3633325.90       40.64081  (21010102)
        504571.98   3633325.90       40.37028  (20011902)                504621.98
3633325.90       39.70221  (19022705)
        504671.98   3633325.90       38.79320  (21021820)                504721.98
```

3633325.90   38.62093 (21011520)
        504771.98   3633325.90   36.18474 (19121906)   504821.98
3633325.90   35.90406 (19122301)
        504871.98   3633325.90   35.16418 (20122923)   504921.98
3633325.90   32.47523 (20100121)
        504971.98   3633325.90   34.20724 (21022502)   505021.98
3633325.90   32.46782 (19120104)
        505071.98   3633325.90   30.98683 (20100521)   505121.98
3633325.90   32.14738 (20021702)
        505171.98   3633325.90   31.26389 (20020804)   505221.98
3633325.90   29.58813 (20011323)
        502221.98   3633375.90   8.61887 (21111004)   502271.98
3633375.90   8.07649 (21111004)
        502321.98   3633375.90   7.65827 (19010119)   502371.98
3633375.90   7.67256 (19010119)
        502421.98   3633375.90   7.56328 (19010119)   502471.98
3633375.90   7.32354 (19010119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002   , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

502921.98 3633375.90 22.50077 (20121603) 502971.98
3633375.90 26.66392 (20121603)
503021.98 3633375.90 29.18506 (20121603) 503071.98
3633375.90 29.32610 (20121603)
503121.98 3633375.90 26.84047 (20121603) 503171.98
3633375.90 24.22237 (21063005)
503221.98 3633375.90 28.56386 (21063005) 503271.98
3633375.90 39.37387 (20102407)
503321.98 3633375.90 54.50763 (20082723) 503371.98
3633375.90 57.17193 (20111701)
503421.98 3633375.90 44.61872 (21110603) 503471.98
3633375.90 50.37552 (21020924)
503621.98 3633375.90 41.74406 (19101521) 503671.98
3633375.90 48.79835 (20050102)
503721.98 3633375.90 51.07406 (21020203) 503771.98
3633375.90 45.84242 (20032924)
503821.98 3633375.90 50.15325 (20110207) 503871.98
3633375.90 38.88205 (20082921)
503921.98 3633375.90 46.18220 (20082519) 503971.98
3633375.90 50.18738 (20022622)
504021.98 3633375.90 49.40112 (21013120) 504071.98
3633375.90 45.58169 (19102905)
504121.98 3633375.90 48.04767 (21022205) 504171.98
3633375.90 49.26222 (20022403)
504221.98 3633375.90 47.26137 (21011620) 504271.98
3633375.90 45.34483 (21013021)
504321.98 3633375.90 45.88442 (21120723) 504371.98
3633375.90 43.66364 (20101423)
504421.98 3633375.90 42.54430 (21022020) 504471.98
3633375.90 42.50206 (21011323)
504521.98 3633375.90 42.46158 (20011902) 504571.98
3633375.90 40.96159 (19022705)
504621.98 3633375.90 41.52309 (21021820) 504671.98
3633375.90 40.40346 (21011520)
504721.98 3633375.90 38.63933 (19121906) 504771.98
3633375.90 37.65008 (19122301)
504821.98 3633375.90 37.18274 (20122923) 504871.98
3633375.90 33.97837 (20100121)
504921.98 3633375.90 35.76465 (21022502) 504971.98
3633375.90 33.98836 (19120104)
505021.98 3633375.90 32.36856 (20100521) 505071.98
3633375.90 33.79591 (20021702)
505121.98 3633375.90 32.77894 (20020804) 505171.98
3633375.90 30.95057 (20011323)
505221.98 3633375.90 30.95898 (21012402) 502221.98
3633425.90 9.77187 (21111004)
502271.98 3633425.90 9.38610 (21111004) 502321.98
3633425.90 8.84637 (21111004)
502371.98 3633425.90 8.17216 (21111004) 502421.98
3633425.90 8.17026 (19010119)

```
        502471.98   3633425.90        8.10348  (19010119)                502521.98
3633425.90        7.87097  (19010119)
        502571.98   3633425.90        7.49339  (19010119)                502621.98
3633425.90        6.98189  (19010119)
        502671.98   3633425.90        9.26481  (21030103)                502721.98
3633425.90       11.96831  (21030103)
        502771.98   3633425.90       14.84849  (21030103)                502821.98
3633425.90       17.58973  (21030103)
        502871.98   3633425.90       19.78244  (21030103)                502921.98
3633425.90       21.00138  (21030103)
        502971.98   3633425.90       25.31097  (20121603)                503021.98
3633425.90       29.44074  (20121603)
        503071.98   3633425.90       31.39439  (20121603)                503121.98
3633425.90       30.49335  (20121603)
        503171.98   3633425.90       26.71516  (20121603)                503221.98
3633425.90       25.75202  (21063005)
        503271.98   3633425.90       33.36388  (20102407)                503321.98
3633425.90       56.35128  (20082723)
        503371.98   3633425.90       63.52417  (20111701)                503421.98
3633425.90       45.54805  (21110603)
        503471.98   3633425.90       53.11969  (20090124)                503621.98
3633425.90       51.12088  (19101521)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 800
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503671.98   3633425.90       50.87847  (20050102)                503721.98
3633425.90       53.21180  (21020203)
        503771.98   3633425.90       47.86734  (20032924)                503821.98
```

3633425.90 52.33660 (20110207)
503871.98 3633425.90 43.61608 (20081802) 503921.98
3633425.90 48.89618 (19032124)
503971.98 3633425.90 51.70952 (20022622) 504021.98
3633425.90 51.66144 (21011302)
504071.98 3633425.90 49.63527 (19102905) 504121.98
3633425.90 50.42406 (19121107)
504171.98 3633425.90 50.17932 (21011620) 504221.98
3633425.90 49.64674 (21013021)
504271.98 3633425.90 46.96756 (20042404) 504321.98
3633425.90 45.43815 (21120723)
504371.98 3633425.90 44.78673 (20112022) 504421.98
3633425.90 46.42078 (21011323)
504471.98 3633425.90 45.73504 (21010102) 504521.98
3633425.90 43.33932 (20011902)
504571.98 3633425.90 43.44432 (21021820) 504621.98
3633425.90 42.22985 (20121007)
504671.98 3633425.90 40.63229 (19121906) 504721.98
3633425.90 40.13755 (21010522)
504771.98 3633425.90 39.25073 (20122923) 504821.98
3633425.90 36.00083 (20100121)
504871.98 3633425.90 37.62811 (21022502) 504921.98
3633425.90 35.78954 (19120104)
504971.98 3633425.90 34.04718 (20021702) 505021.98
3633425.90 35.46962 (20021702)
505071.98 3633425.90 34.26533 (20020804) 505121.98
3633425.90 32.78779 (21012402)
505171.98 3633425.90 32.08313 (21012402) 505221.98
3633425.90 31.22525 (20022406)
502221.98 3633475.90 10.72875 (21111004) 502271.98
3633475.90 10.56694 (21111004)
502321.98 3633475.90 10.22751 (21111004) 502371.98
3633475.90 9.71227 (21111004)
502421.98 3633475.90 9.03235 (21111004) 502471.98
3633475.90 8.74321 (19010119)
502521.98 3633475.90 8.68893 (19010119) 502571.98
3633475.90 8.47312 (19010119)
502621.98 3633475.90 8.09034 (19010119) 502671.98
3633475.90 7.54982 (19010119)
504771.98 3633475.90 37.33372 (19081501) 504821.98
3633475.90 39.64033 (21022502)
504871.98 3633475.90 37.76649 (19120104) 504921.98
3633475.90 36.21245 (20021702)
504971.98 3633475.90 36.79528 (20021702) 505021.98
3633475.90 35.68039 (20020804)
505071.98 3633475.90 35.13036 (21012402) 505121.98
3633475.90 33.56645 (20121620)
505171.98 3633475.90 33.52623 (20022406) 505221.98
3633475.90 31.34629 (19010903)
502221.98 3633525.90 11.38858 (21111004) 502271.98

3633525.90   11.50301 (21111004)
        502321.98   3633525.90   11.42908 (21111004)   502371.98
3633525.90   11.16622 (21111004)
        502421.98   3633525.90   10.69270 (21111004)   502471.98
3633525.90   10.01185 (21111004)
        502521.98   3633525.90   9.34112 (19010119)   502571.98
3633525.90   9.31749 (19010119)
        502621.98   3633525.90   9.13357 (19010119)   502671.98
3633525.90   8.75074 (19010119)
        504771.98   3633525.90   42.07230 (21022502)   504821.98
3633525.90   40.14717 (19120104)
        504871.98   3633525.90   38.89491 (20021702)   504921.98
3633525.90   38.48386 (20020804)
        504971.98   3633525.90   36.75717 (21010922)   505021.98
3633525.90   36.92692 (21012402)
        505071.98   3633525.90   35.51378 (20121620)   505121.98
3633525.90   35.46564 (20022406)
        505171.98   3633525.90   33.27721 (19010903)   505221.98
3633525.90   32.25568 (21121121)
        502221.98   3633575.90   11.66645 (21111004)   502271.98
3633575.90   12.06057 (21111004)
        502321.98   3633575.90   12.30303 (21111004)   502371.98
3633575.90   12.36204 (21111004)
        502421.98   3633575.90   12.18298 (21111004)   502471.98
3633575.90   11.75196 (21111004)
        502521.98   3633575.90   11.07737 (21111004)   502571.98
3633575.90   10.18380 (21111004)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010 ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

```
 - - -
```

```
        505071.98   3633675.90       37.67662  (21011418)               505121.98
3633675.90       36.01425  (21021801)
        505171.98   3633675.90       35.04265  (21011022)               505221.98
3633675.90       34.05886  (21122302)
        502221.98   3633725.90        9.74648  (21111004)               502271.98
3633725.90       10.83375  (21111004)
        502321.98   3633725.90       11.96684  (21111004)               502371.98
3633725.90       13.04358  (21111004)
        502421.98   3633725.90       14.02380  (21111004)               502471.98
3633725.90       14.84175  (21111004)
        502521.98   3633725.90       15.43286  (21111004)               502571.98
3633725.90       15.72880  (21111004)
        502621.98   3633725.90       15.67242  (21111004)               502671.98
3633725.90       15.21941  (21111004)
        504771.98   3633725.90       51.77305  (20081803)               504821.98
3633725.90       48.58849  (20111118)
        504871.98   3633725.90       48.23526  (20111118)               504921.98
3633725.90       46.15163  (21011418)
        504971.98   3633725.90       46.73098  (21011418)               505021.98
3633725.90       41.93488  (21011418)
        505071.98   3633725.90       38.45025  (21011022)               505121.98
3633725.90       37.36540  (20021024)
        505171.98   3633725.90       37.57382  (21122302)               505221.98
3633725.90       35.10922  (21011724)
        502221.98   3633775.90        9.78511  (21012320)               502271.98
3633775.90        9.54534  (21111004)
        502321.98   3633775.90       10.82601  (21111004)               502371.98
3633775.90       12.10709  (21111004)
        502421.98   3633775.90       13.39096  (21111004)               502471.98
3633775.90       14.58409  (21111004)
        502521.98   3633775.90       15.66093  (21111004)               502571.98
3633775.90       16.51794  (21111004)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 802
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633775.90	17.06223	(21111004)	502671.98	3633775.90	17.22449	(21111004)
504771.98	3633775.90	57.92763	(20111118)	504821.98	3633775.90	53.70436	(20111118)
504871.98	3633775.90	53.24375	(21011418)	504921.98	3633775.90	49.46641	(21011418)
504971.98	3633775.90	43.16579	(21011418)	505021.98	3633775.90	40.15082	(20021024)
505071.98	3633775.90	40.54628	(21122302)	505121.98	3633775.90	38.87049	(21122302)
505171.98	3633775.90	37.75756	(21010408)	505221.98	3633775.90	36.77414	(21010408)
502221.98	3633825.90	12.89482	(21012320)	502271.98	3633825.90	12.02192	(21012320)
502321.98	3633825.90	11.11138	(21012320)	502371.98	3633825.90	10.66524	(21111004)
502421.98	3633825.90	12.11176	(21111004)	502471.98	3633825.90	13.58867	(21111004)
502521.98	3633825.90	15.05256	(21111004)	502571.98	3633825.90	16.42143	(21111004)
502621.98	3633825.90	17.59569	(21111004)	502671.98	3633825.90	18.45827	(21111004)
504771.98	3633825.90	61.69907	(20082222)	504821.98	3633825.90	60.76010	(21011418)
504871.98	3633825.90	50.85477	(21011418)	504921.98	3633825.90	44.72138	(21011022)
504971.98	3633825.90	43.52205	(21122302)	505021.98	3633825.90	42.87120	(21122302)
505071.98	3633825.90	40.76142	(21010408)	505121.98	3633825.90	40.77045	(21010408)
505171.98	3633825.90	38.43943	(21011720)	505221.98	3633825.90	36.55991	(21011221)
502221.98	3633875.90	15.89870	(21012320)	502271.98	3633875.90	15.33194	(21012320)
502321.98	3633875.90	14.68362	(21012320)	502371.98	3633875.90	13.77185	(21012320)
502421.98	3633875.90	12.72473	(21012320)	502471.98	3633875.90	11.94501	(21111004)
502521.98	3633875.90	13.64969	(21111004)	502571.98	3633875.90	15.39280	(21111004)
502621.98	3633875.90	17.08530	(21111004)	502671.98	3633875.90	18.61606	(21111004)
504771.98	3633875.90	66.80331	(21011418)	504821.98			

3633875.90   54.59801 (21011418)
        504871.98   3633875.90   47.81804 (20021024)   504921.98
3633875.90   47.87826 (21122302)
        504971.98   3633875.90   45.11857 (21011724)   505021.98
3633875.90   44.82487 (21010408)
        505071.98   3633875.90   42.21872 (21011720)   505121.98
3633875.90   40.36921 (21011221)
        505171.98   3633875.90   39.50315 (20121406)   505221.98
3633875.90   37.33259 (20121406)
        502221.98   3633925.90   18.35342 (21012320)   502271.98
3633925.90   18.28909 (21012320)
        502321.98   3633925.90   18.06581 (21012320)   502371.98
3633925.90   17.53957 (21012320)
        502421.98   3633925.90   16.86317 (21012320)   502471.98
3633925.90   15.87764 (21012320)
        502521.98   3633925.90   14.69571 (21012320)   502571.98
3633925.90   13.53360 (21111004)
        502621.98   3633925.90   15.54353 (21111004)   502671.98
3633925.90   17.57522 (21111004)
        504771.98   3633925.90   56.91856 (20081722)   504821.98
3633925.90   53.28524 (21122302)
        504871.98   3633925.90   50.12183 (21011724)   504921.98
3633925.90   49.51882 (21010408)
        504971.98   3633925.90   46.95604 (21011720)   505021.98
3633925.90   44.65129 (21011221)
        505071.98   3633925.90   43.79642 (20121406)   505121.98
3633925.90   40.73736 (20121406)
        505171.98   3633925.90   39.12891 (20021723)   505221.98
3633925.90   38.24131 (20021723)
        502221.98   3633975.90   19.77410 (21012320)   502271.98
3633975.90   20.21587 (21012320)
        502321.98   3633975.90   20.59090 (21012320)   502371.98
3633975.90   20.76620 (21012320)
        502421.98   3633975.90   20.66224 (21012320)   502471.98
3633975.90   20.24692 (21012320)
        502521.98   3633975.90   19.54199 (21012320)   502571.98
3633975.90   18.49852 (21012320)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633975.90	17.15932	(21012320)	502671.98	3633975.90	15.51275	(21012320)
504771.98	3633975.90	57.27007	(21011724)	504821.98	3633975.90	55.17395	(21010408)
504871.98	3633975.90	52.09162	(21011720)	504921.98	3633975.90	49.20612	(21011221)
504971.98	3633975.90	48.74169	(20121406)	505021.98	3633975.90	45.06803	(20021305)
505071.98	3633975.90	44.22123	(20021723)	505121.98	3633975.90	42.44926	(19011606)
505171.98	3633975.90	41.21058	(19011606)	505221.98	3633975.90	38.28835	(20012223)
502221.98	3634025.90	19.78554	(21012320)	502271.98	3634025.90	20.75931	(21012320)
502321.98	3634025.90	21.74982	(21012320)	502371.98	3634025.90	22.63252	(21012320)
502421.98	3634025.90	23.28271	(21012320)	502471.98	3634025.90	23.67551	(21012320)
502521.98	3634025.90	23.76616	(21012320)	502571.98	3634025.90	23.50406	(21012320)
502621.98	3634025.90	22.85596	(21012320)	502671.98	3634025.90	21.75496	(21012320)
504771.98	3634025.90	58.69951	(21011720)	504821.98	3634025.90	55.75613	(21011221)
504871.98	3634025.90	53.57770	(20121406)	504921.98	3634025.90	49.77554	(20021305)
504971.98	3634025.90	49.54957	(20021723)	505021.98	3634025.90	48.39339	(19011606)
505071.98	3634025.90	45.17146	(19011606)	505121.98	3634025.90	42.01402	(20012223)
505171.98	3634025.90	41.31687	(19121305)	505221.98	3634025.90	38.93804	(19121305)
502221.98	3634075.90	18.26286	(21012320)	502271.98	3634075.90	19.68429	(21012320)
502321.98	3634075.90	21.16115	(21012320)	502371.98	3634075.90	22.60335	(21012320)
502421.98	3634075.90	23.95390	(21012320)	502471.98	3634075.90	25.20791	(21012320)

```
        502521.98   3634075.90       26.29574  (21012320)                502571.98
3634075.90       27.14578  (21012320)
        502621.98   3634075.90       27.56655  (21012320)                502671.98
3634075.90       27.57970  (21012320)
        504771.98   3634075.90       60.28995  (20121406)                504821.98
3634075.90       55.95427  (20021723)
        504871.98   3634075.90       54.44951  (20021723)                504921.98
3634075.90       53.51356  (19011606)
        504971.98   3634075.90       49.68649  (20012223)                505021.98
3634075.90       47.82177  (21022322)
        505071.98   3634075.90       44.71533  (21022322)                505121.98
3634075.90       42.02401  (21010422)
        505171.98   3634075.90       41.32250  (19011923)                505221.98
3634075.90       39.25758  (19011923)
        502221.98   3634125.90       15.53599  (21012320)                502271.98
3634125.90       17.20104  (21012320)
        502321.98   3634125.90       18.90624  (21012320)                502371.98
3634125.90       20.75456  (21012320)
        502421.98   3634125.90       22.61973  (21012320)                502471.98
3634125.90       24.51172  (21012320)
        502521.98   3634125.90       26.37267  (21012320)                502571.98
3634125.90       28.15166  (21012320)
        502621.98   3634125.90       29.89697  (21012320)                502671.98
3634125.90       31.32119  (21012320)
        504771.98   3634125.90       62.88847  (19011606)                504821.98
3634125.90       58.30974  (19011606)
        504871.98   3634125.90       55.34854  (19121305)                504921.98
3634125.90       52.98038  (21022322)
        504971.98   3634125.90       48.99778  (19011923)                505021.98
3634125.90       48.63864  (19011923)
        505071.98   3634125.90       45.26728  (19011923)                505121.98
3634125.90       43.28960  (19012803)
        505171.98   3634125.90       41.49444  (21121821)                505221.98
3634125.90       39.96603  (21121821)
        502221.98   3634175.90       14.21450  (19083104)                502271.98
3634175.90       14.33487  (19083104)
        502321.98   3634175.90       15.32885  (21012320)                502371.98
3634175.90       17.41343  (21012320)
        502421.98   3634175.90       19.44251  (21012320)                502471.98
3634175.90       21.62755  (21012320)
        502521.98   3634175.90       23.92806  (21012320)                502571.98
3634175.90       26.37055  (21012320)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 804
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634175.90	28.87709	(21012320)	502671.98	3634175.90	31.45398	(21012320)
504771.98	3634175.90	63.71852	(21022322)	504821.98	3634175.90	58.12987	(19011923)
504871.98	3634175.90	57.50697	(19011923)	504921.98	3634175.90	53.70828	(19012803)
504971.98	3634175.90	50.85950	(19012803)	505021.98	3634175.90	48.80730	(21121821)
505071.98	3634175.90	46.07725	(20121224)	505121.98	3634175.90	43.96924	(20121224)
505171.98	3634175.90	41.72028	(20020703)	505221.98	3634175.90	40.73356	(20020703)
502221.98	3634225.90	16.27664	(19083104)	502271.98	3634225.90	16.69189	(19083104)
502321.98	3634225.90	17.16545	(19083104)	502371.98	3634225.90	17.60524	(19083104)
502421.98	3634225.90	17.92384	(19083104)	502471.98	3634225.90	18.16171	(19083104)
502521.98	3634225.90	19.48287	(21012320)	502571.98	3634225.90	22.07853	(21012320)
502621.98	3634225.90	24.90893	(21012320)	502671.98	3634225.90	28.01912	(21012320)
504771.98	3634225.90	64.76258	(19012803)	504821.98	3634225.90	60.97841	(21121821)
504871.98	3634225.90	57.71695	(21121821)	504921.98	3634225.90	55.11599	(20121224)
504971.98	3634225.90	51.16748	(20020703)	505021.98	3634225.90	48.96741	(20020703)
505071.98	3634225.90	45.48609	(21022324)	505121.98	3634225.90	42.98419	(21022324)
505171.98	3634225.90	40.92352	(20122520)	505221.98	3634225.90	39.27264	(21122121)
502221.98	3634275.90	17.24287	(19083104)	502271.98			

```
3634275.90       17.96579  (19083104)
        502321.98   3634275.90       18.75965  (19083104)                502371.98
3634275.90       19.62263  (19083104)
        502421.98   3634275.90       20.38277  (19083104)                502471.98
3634275.90       21.11620  (19083104)
        502521.98   3634275.90       21.82635  (19083104)                502571.98
3634275.90       22.48487  (19083104)
        502621.98   3634275.90       23.09939  (19083104)                502671.98
3634275.90       23.62244  (19083104)
        504771.98   3634275.90       65.13682  (20020703)                504821.98
3634275.90       61.94167  (20020703)
        504871.98   3634275.90       56.44204  (20020703)                504921.98
3634275.90       52.87016  (21022324)
        504971.98   3634275.90       50.59758  (20122520)                505021.98
3634275.90       49.18350  (21122121)
        505071.98   3634275.90       47.79680  (21122121)                505121.98
3634275.90       45.26684  (21122121)
        505171.98   3634275.90       44.01814  (20121803)                505221.98
3634275.90       42.52024  (20121803)
        502221.98   3634325.90       16.87624  (19083104)                502271.98
3634325.90       17.82503  (19083104)
        502321.98   3634325.90       18.81525  (19083104)                502371.98
3634325.90       19.86227  (19083104)
        502421.98   3634325.90       20.95686  (19083104)                502471.98
3634325.90       22.08936  (19083104)
        502521.98   3634325.90       23.28114  (19083104)                502571.98
3634325.90       24.51054  (19083104)
        502621.98   3634325.90       25.77108  (19083104)                502671.98
3634325.90       27.07689  (19083104)
        504771.98   3634325.90       66.16785  (21122121)                504821.98
3634325.90       63.90295  (21122121)
        504871.98   3634325.90       59.96775  (20121803)                504921.98
3634325.90       57.45113  (20121803)
        504971.98   3634325.90       54.00451  (20121803)                505021.98
3634325.90       50.61376  (20121803)
        505071.98   3634325.90       47.93796  (21122201)                505121.98
3634325.90       45.27207  (21122201)
        505171.98   3634325.90       42.43546  (19021906)                505221.98
3634325.90       41.07186  (19021906)
        502221.98   3634375.90       15.24594  (19083104)                502271.98
3634375.90       16.23984  (19083104)
        502321.98   3634375.90       17.26474  (19083104)                502371.98
3634375.90       18.37889  (19083104)
        502421.98   3634375.90       19.67109  (19083104)                502471.98
3634375.90       21.06763  (19083104)
        502521.98   3634375.90       22.59811  (19083104)                502571.98
3634375.90       24.18737  (19083104)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634375.90	25.81940	(19083104)	502671.98	3634375.90	27.49850	(19083104)
504771.98	3634375.90	68.28714	(21122201)	504821.98	3634375.90	62.55295	(21122201)
504871.98	3634375.90	58.66759	(19021906)	504921.98	3634375.90	54.99713	(19021906)
504971.98	3634375.90	51.31309	(19021906)	505021.98	3634375.90	48.96963	(20022423)
505071.98	3634375.90	46.40199	(20022423)	505121.98	3634375.90	45.32392	(20013123)
505171.98	3634375.90	43.70157	(20013123)	505221.98	3634375.90	42.05448	(20013123)
502221.98	3634425.90	13.11710	(20022619)	502271.98	3634425.90	13.69367	(20022619)
502321.98	3634425.90	14.56896	(19083104)	502371.98	3634425.90	15.63119	(19083104)
502421.98	3634425.90	16.80628	(19083104)	502471.98	3634425.90	18.08570	(19083104)
502521.98	3634425.90	19.51808	(19083104)	502571.98	3634425.90	21.09317	(19083104)
502621.98	3634425.90	22.84473	(19083104)	502671.98	3634425.90	24.78341	(19083104)
504771.98	3634425.90	69.10183	(20013123)	504821.98	3634425.90	63.90328	(20013123)
504871.98	3634425.90	58.98933	(20013123)	504921.98	3634425.90	55.95568	(20013123)
504971.98	3634425.90	50.94019	(20013123)	505021.98	3634425.90	47.63720	(21121920)

505071.98 3634425.90 45.59306 (21013019) 505121.98 3634425.90 44.06283 (21013019)
505171.98 3634425.90 42.37503 (21013019) 505221.98 3634425.90 40.74605 (21013019)
502221.98 3634475.90 15.21148 (21021102) 502271.98 3634475.90 15.88782 (21021102)
502321.98 3634475.90 16.60837 (21021102) 502371.98 3634475.90 17.38253 (21021102)
502421.98 3634475.90 18.21487 (21021102) 502471.98 3634475.90 19.10598 (21021102)
502521.98 3634475.90 20.08835 (21021102) 502571.98 3634475.90 21.14269 (21021102)
502621.98 3634475.90 22.28643 (21021102) 502671.98 3634475.90 23.53465 (21021102)
504771.98 3634475.90 64.77497 (21013019) 504821.98 3634475.90 60.86820 (19122101)
504871.98 3634475.90 57.48384 (19122101) 504921.98 3634475.90 59.73297 (19122101)
504971.98 3634475.90 55.78801 (19122101) 505021.98 3634475.90 53.28756 (19122101)
505071.98 3634475.90 52.03399 (19122101) 505121.98 3634475.90 49.26541 (19122101)
505171.98 3634475.90 46.11647 (19122101) 505221.98 3634475.90 43.48551 (19122101)
502221.98 3634525.90 19.22996 (21021102) 502271.98 3634525.90 20.17567 (21021102)
502321.98 3634525.90 21.20355 (21021102) 502371.98 3634525.90 22.32370 (21021102)
502421.98 3634525.90 23.53526 (21021102) 502471.98 3634525.90 24.86273 (21021102)
502521.98 3634525.90 26.31218 (21021102) 502571.98 3634525.90 27.91855 (21021102)
502621.98 3634525.90 29.68737 (21021102) 502671.98 3634525.90 31.68107 (21021102)
504771.98 3634525.90 67.14592 (21021007) 504821.98 3634525.90 63.03636 (21021007)
504871.98 3634525.90 60.42312 (20082306) 504921.98 3634525.90 68.62534 (20082306)
504971.98 3634525.90 68.55416 (20082306) 505021.98 3634525.90 63.15769 (20082306)
505071.98 3634525.90 58.57383 (20082306) 505121.98 3634525.90 53.07066 (20082306)
505171.98 3634525.90 48.04472 (20082306) 505221.98 3634525.90 43.81116 (20082306)
502221.98 3634575.90 21.88719 (21021102) 502271.98 3634575.90 22.93248 (21021102)
502321.98 3634575.90 24.09216 (21021102) 502371.98 3634575.90 25.36005 (21021102)
502421.98 3634575.90 26.74090 (21021102) 502471.98 3634575.90 28.24892 (21021102)

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634625.90 82.20971 (20041201)
504871.98 3634625.90 76.64739 (20041201) 504921.98
3634625.90 72.24373 (20041201)
504971.98 3634625.90 68.73271 (20041201) 505021.98
3634625.90 63.16901 (20041201)
505071.98 3634625.90 56.83333 (20041201) 505121.98
3634625.90 51.59426 (20041201)
505171.98 3634625.90 43.63839 (21013119) 505221.98
3634625.90 41.22377 (21013119)
502221.98 3634675.90 20.51061 (21021102) 502271.98
3634675.90 21.23447 (21021102)
502321.98 3634675.90 21.96766 (21021102) 502371.98
3634675.90 22.71252 (21021102)
502421.98 3634675.90 23.49306 (21021102) 502471.98
3634675.90 24.29426 (21021102)
502521.98 3634675.90 25.11219 (21021102) 502571.98
3634675.90 25.95234 (21021102)
502621.98 3634675.90 26.79727 (21021102) 502671.98
3634675.90 27.62521 (21021102)
504771.98 3634675.90 60.79936 (21090306) 504821.98
3634675.90 58.24714 (21090306)
504871.98 3634675.90 72.02310 (20041201) 504921.98
3634675.90 70.47371 (20041201)
504971.98 3634675.90 69.58522 (20041201) 505021.98
3634675.90 67.28761 (20041201)
505071.98 3634675.90 61.29706 (20041201) 505121.98
3634675.90 57.68797 (20041201)
505171.98 3634675.90 50.65584 (20041201) 505221.98
3634675.90 45.55740 (20041201)
502221.98 3634725.90 16.95831 (21021102) 502271.98
3634725.90 17.29971 (21021102)
502321.98 3634725.90 17.59784 (21021102) 502371.98
3634725.90 17.89720 (21021102)
502421.98 3634725.90 18.45809 (19101801) 502471.98
3634725.90 19.64024 (19050903)
502521.98 3634725.90 21.56082 (19050903) 502571.98
3634725.90 23.69513 (19050903)
502621.98 3634725.90 26.02666 (19050903) 502671.98
3634725.90 28.58738 (19050903)
504771.98 3634725.90 81.95112 (21012820) 504821.98
3634725.90 80.31683 (21012820)
504871.98 3634725.90 65.33156 (21012820) 504921.98
3634725.90 65.96539 (20081806)
504971.98 3634725.90 62.48908 (20081806) 505021.98
3634725.90 54.90940 (20081806)
505071.98 3634725.90 47.39757 (20081806) 505121.98
3634725.90 44.49703 (20041201)
505171.98 3634725.90 40.14702 (20041201) 505221.98
3634725.90 39.08570 (20041201)
502221.98 3634775.90 15.75749 (19050903) 502271.98

```
3634775.90       17.07201  (19050903)
        502321.98   3634775.90       18.44344  (19050903)                502371.98
3634775.90       19.94640  (19050903)
        502421.98   3634775.90       21.56275  (19050903)                502471.98
3634775.90       23.30209  (19050903)
        502521.98   3634775.90       25.18326  (19050903)                502571.98
3634775.90       27.10701  (19050903)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 807
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3634775.90       29.11192  (19050903)                502671.98
3634775.90       31.16801  (19050903)
        504771.98   3634775.90       79.48936  (21012820)                504821.98
3634775.90       90.24324  (21012820)
        504871.98   3634775.90       83.67821  (21012820)                504921.98
3634775.90       67.60122  (21032601)
        504971.98   3634775.90       64.72890  (20081806)                505021.98
3634775.90       58.51509  (20081806)
        505071.98   3634775.90       55.11383  (20081806)                505121.98
3634775.90       51.11542  (20081806)
        505171.98   3634775.90       43.09877  (20081806)                505221.98
3634775.90       38.34458  (20081806)
        502221.98   3634825.90       18.28663  (19050903)                502271.98
3634825.90       19.51889  (19050903)
        502321.98   3634825.90       20.78715  (19050903)                502371.98
3634825.90       22.09709  (19050903)
        502421.98   3634825.90       23.41229  (19050903)                502471.98
3634825.90       24.71764  (19050903)
```

```
        502521.98   3634825.90       26.09513  (19050903)                502571.98
3634825.90       27.36588  (19050903)
        502621.98   3634825.90       28.53450  (19050903)                502671.98
3634825.90       29.55638  (19050903)
        504771.98   3634825.90       82.84897  (20082303)                504821.98
3634825.90       92.20086  (20081401)
        504871.98   3634825.90       70.09879  (20081401)                504921.98
3634825.90       60.10763  (19022319)
        504971.98   3634825.90       48.83675  (19022319)                505021.98
3634825.90       44.02835  (21020220)
        505071.98   3634825.90       43.29423  (20081806)                505121.98
3634825.90       44.08539  (20081806)
        505171.98   3634825.90       40.78284  (21032601)                505221.98
3634825.90       38.94902  (21032601)
        502221.98   3634875.90       19.40450  (19050903)                502271.98
3634875.90       20.33474  (19050903)
        502321.98   3634875.90       21.23116  (19050903)                502371.98
3634875.90       22.08622  (19050903)
        502421.98   3634875.90       22.86630  (19050903)                502471.98
3634875.90       23.54533  (19050903)
        502521.98   3634875.90       24.09113  (19050903)                502571.98
3634875.90       24.46644  (19050903)
        502621.98   3634875.90       24.62912  (19050903)                502671.98
3634875.90       24.53673  (19050903)
        504771.98   3634875.90       61.50042  (20082303)                504821.98
3634875.90       72.87618  (20082303)
        504871.98   3634875.90       67.63820  (20081401)                504921.98
3634875.90       53.38250  (19022319)
        504971.98   3634875.90       45.49335  (19022319)                505021.98
3634875.90       39.38165  (19022319)
        505071.98   3634875.90       36.53774  (19022319)                505121.98
3634875.90       35.45392  (19022319)
        505171.98   3634875.90       36.99751  (21020220)                505221.98
3634875.90       37.38762  (21020220)
        502221.98   3634925.90       18.87448  (19050903)                502271.98
3634925.90       19.35572  (19050903)
        502321.98   3634925.90       19.73975  (19050903)                502371.98
3634925.90       20.01087  (19050903)
        502421.98   3634925.90       20.14585  (19050903)                502471.98
3634925.90       20.11920  (19050903)
        502521.98   3634925.90       19.91313  (19050903)                502571.98
3634925.90       19.49984  (19050903)
        502621.98   3634925.90       18.86355  (19050903)                502671.98
3634925.90       19.67042  (19120120)
        504771.98   3634925.90       20.54499  (20082303)                504821.98
3634925.90       50.49130  (19042006)
        504871.98   3634925.90       60.63104  (19042006)                504921.98
3634925.90       54.72620  (19030607)
        504971.98   3634925.90       46.97692  (19030607)                505021.98
3634925.90       37.51308  (20082303)
```

```
        505071.98   3634925.90       33.50247  (20082303)                505121.98
3634925.90       32.66371  (20082303)
        505171.98   3634925.90       32.12525  (19022319)                505221.98
3634925.90       31.98974  (19022319)
        502221.98   3634975.90       16.87649  (19050903)                502271.98
3634975.90       16.88409  (19050903)
        502321.98   3634975.90       16.76517  (19050903)                502371.98
3634975.90       16.51079  (19050903)
        502421.98   3634975.90       16.11037  (19050903)                502471.98
3634975.90       15.55531  (19050903)
        502521.98   3634975.90       16.28139  (19120120)                502571.98
3634975.90       18.08533  (20021724)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 808
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3634975.90       21.08581  (20021724)                502671.98
3634975.90       24.32300  (20021724)
        504821.98   3634975.90       51.88484  (19022007)                504871.98
3634975.90       60.95923  (19022007)
        504921.98   3634975.90       46.56839  (20121617)                504971.98
3634975.90       44.77479  (20082024)
        505021.98   3634975.90       38.70728  (19030607)                505071.98
3634975.90       34.79442  (19030607)
        505121.98   3634975.90       34.97775  (19030607)                505171.98
3634975.90       32.78490  (20082303)
        505221.98   3634975.90       31.69266  (20082303)                502221.98
3635025.90       13.92033  (19050903)
        502271.98   3635025.90       13.55350  (19050903)                502321.98
```

3635025.90 13.07029 (19050903)
502371.98 3635025.90 13.74663 (19120120) 502421.98
3635025.90 14.88979 (19120120)
502471.98 3635025.90 16.90830 (20021724) 502521.98
3635025.90 19.41702 (20021724)
502571.98 3635025.90 22.07130 (20021724) 502621.98
3635025.90 24.78196 (20021724)
502671.98 3635025.90 27.97386 (21011719) 504871.98
3635025.90 60.21554 (20010802)
504921.98 3635025.90 47.84328 (20082106) 504971.98
3635025.90 46.78185 (20041202)
505021.98 3635025.90 40.01029 (20082024) 505071.98
3635025.90 37.51454 (20082024)
505121.98 3635025.90 37.51025 (20082024) 505171.98
3635025.90 37.13301 (19030607)
505221.98 3635025.90 35.09944 (19030607) 502221.98
3635075.90 11.79142 (19120120)
502271.98 3635075.90 12.74099 (19120120) 502321.98
3635075.90 13.82442 (20021724)
502371.98 3635075.90 15.80975 (20021724) 502421.98
3635075.90 17.92253 (20021724)
502471.98 3635075.90 20.12057 (20021724) 502521.98
3635075.90 22.33185 (20021724)
502571.98 3635075.90 25.25201 (21011719) 502621.98
3635075.90 31.33868 (21011719)
502671.98 3635075.90 37.29658 (21011719) 504921.98
3635075.90 55.18946 (20010802)
504971.98 3635075.90 51.75067 (20082106) 505021.98
3635075.90 44.87848 (20082106)
505071.98 3635075.90 41.10649 (20041202) 505121.98
3635075.90 40.68107 (20121617)
505171.98 3635075.90 39.74783 (20121617) 505221.98
3635075.90 36.52387 (20121617)
502221.98 3635125.90 13.08091 (20021724) 502271.98
3635125.90 14.80141 (20021724)
502321.98 3635125.90 16.59326 (20021724) 502371.98
3635125.90 18.43546 (20021724)
502421.98 3635125.90 20.25860 (20021724) 502471.98
3635125.90 22.92869 (21011719)
502521.98 3635125.90 28.02705 (21011719) 502571.98
3635125.90 32.98649 (21011719)
502621.98 3635125.90 37.12567 (21011719) 502671.98
3635125.90 39.66563 (21011719)
505021.98 3635125.90 50.30299 (20082106) 505071.98
3635125.90 47.84485 (20082106)
505121.98 3635125.90 41.05565 (20082106) 505171.98
3635125.90 34.89667 (19022007)
505221.98 3635125.90 37.47384 (20121617) 502221.98
3635175.90 15.39756 (20021724)
502271.98 3635175.90 16.97122 (20021724) 502321.98

3635175.90   18.48699 (20021724)
        502371.98   3635175.90   20.93672 (21011719)   502421.98
3635175.90   25.25805 (21011719)
        502471.98   3635175.90   29.43798 (21011719)   502521.98
3635175.90   32.96056 (21011719)
        502571.98   3635175.90   35.24379 (21011719)   502621.98
3635175.90   35.74040 (21011719)
        502671.98   3635175.90   34.12038 (21011719)   505121.98
3635175.90   43.85342 (20010802)
        505171.98   3635175.90   43.77840 (20010802)   505221.98
3635175.90   38.85712 (20010802)
        502221.98   3635225.90   16.95301 (20021724)   502271.98
3635225.90   19.21462 (21011719)
        502321.98   3635225.90   22.92465 (21011719)   502371.98
3635225.90   26.49846 (21011719)
        502421.98   3635225.90   29.53338 (21011719)   502471.98
3635225.90   31.57644 (21011719)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502521.98   3635225.90   32.20964 (21011719)   502571.98
3635225.90   31.15720 (21011719)
        502621.98   3635225.90   28.39824 (21011719)   502671.98
3635225.90   29.86374 (20022207)
        502221.98   3635275.90   40.94613 (19012720)   502271.98
3635275.90   24.01400 (21011719)
        502321.98   3635275.90   26.64989 (21011719)   502371.98
3635275.90   28.48935 (21011719)

```
        502421.98   3635275.90       29.19713  (21011719)               502471.98
3635275.90       28.53561  (21011719)
        502521.98   3635275.90       47.14308  (21011719)               502571.98
3635275.90       25.36414  (20022207)
        502621.98   3635275.90       29.19961  (20022207)               502671.98
3635275.90       32.40221  (20022207)
        502221.98   3635325.90       46.07140  (21011719)               502271.98
3635325.90       25.87876  (21011719)
        502321.98   3635325.90       51.99434  (21011719)               502371.98
3635325.90       49.53047  (21011719)
        502421.98   3635325.90       44.22078  (21011719)               502471.98
3635325.90       44.78653  (21052423)
        502521.98   3635325.90       46.44110  (21052423)               502571.98
3635325.90       42.21530  (21040223)
        502621.98   3635325.90       39.34937  (20022207)               502671.98
3635325.90       37.43283  (20022207)
        502221.98   3635375.90       46.92190  (21011719)               502271.98
3635375.90       46.38623  (21011719)
        502321.98   3635375.90       41.97533  (21011719)               502371.98
3635375.90       40.91264  (21052423)
        502421.98   3635375.90       45.89938  (21052423)               502471.98
3635375.90       47.49304  (21052423)
        502521.98   3635375.90       41.03294  (21052423)               502571.98
3635375.90       43.21155  (19012005)
        502621.98   3635375.90       46.01456  (19012005)               502671.98
3635375.90       44.24255  (19012005)
        502221.98   3635425.90       40.11829  (19111006)               502271.98
3635425.90       34.67926  (21011719)
        502321.98   3635425.90       39.22847  (21052423)               502371.98
3635425.90       41.68089  (21052423)
        502421.98   3635425.90       41.97532  (21052423)               502471.98
3635425.90       44.15703  (21031323)
        502521.98   3635425.90       46.47224  (19012005)               502571.98
3635425.90       46.56560  (19012005)
        502621.98   3635425.90       45.09772  (19083024)               502671.98
3635425.90       44.70136  (21012023)
        504771.98   3635425.90       27.00874  (21012617)               502221.98
3635475.90       39.08348  (21052423)
        502271.98   3635475.90       39.53768  (21052423)               502321.98
3635475.90       39.87256  (21052423)
        502371.98   3635475.90       38.14562  (20042123)               502421.98
3635475.90       42.45380  (21031323)
        502471.98   3635475.90       49.89009  (19012005)               502521.98
3635475.90       45.83037  (19012005)
        502571.98   3635475.90       44.81246  (20071201)               502621.98
3635475.90       43.53326  (20071201)
        502671.98   3635475.90       45.56235  (21072005)               504771.98
3635475.90       50.11106  (21122618)
        504821.98   3635475.90       40.67870  (20091421)               504871.98
3635475.90       37.35974  (19102623)
```

```
        504921.98   3635475.90       43.65140  (19102623)                502221.98
3635525.90       43.18400  (21052423)
        502271.98   3635525.90       37.87376  (21052423)                502321.98
3635525.90       38.43775  (21031323)
        502371.98   3635525.90       40.70301  (19012005)                502421.98
3635525.90       44.71834  (19012005)
        502471.98   3635525.90       46.38563  (19083024)                502521.98
3635525.90       45.41671  (20071201)
        502571.98   3635525.90       44.03031  (20071201)                502621.98
3635525.90       44.95789  (21072005)
        502671.98   3635525.90       45.39376  (21110406)                502721.98
3635525.90       49.57828  (21110406)
        502771.98   3635525.90       51.67436  (20070801)                502821.98
3635525.90       50.17599  (20070802)
        502871.98   3635525.90       58.44878  (20070802)                502921.98
3635525.90       59.08174  (19100620)
        502971.98   3635525.90       63.43363  (19091321)                503021.98
3635525.90       67.38444  (19091321)
        503071.98   3635525.90       68.81619  (20042421)                503121.98
3635525.90       54.64337  (20042421)
        503171.98   3635525.90       46.95014  (20110924)                503221.98
3635525.90       67.15084  (20110924)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 810
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503271.98   3635525.90       70.25576  (20091222)                503321.98
3635525.90       73.89790  (20091222)
        503371.98   3635525.90       74.71562  (20033120)                503421.98
```

3635525.90 78.87629 (19071201)
503471.98 3635525.90 87.95311 (20101023) 503521.98
3635525.90 82.72333 (21061224)
503571.98 3635525.90 86.24168 (19031924) 503621.98
3635525.90 73.28968 (21081004)
503671.98 3635525.90 72.98549 (19101219) 503721.98
3635525.90 76.71013 (19101219)
503771.98 3635525.90 83.28945 (20071102) 503821.98
3635525.90 66.74401 (20071102)
503871.98 3635525.90 74.38366 (19013104) 503921.98
3635525.90 94.27758 (19122420)
503971.98 3635525.90 82.95047 (21062624) 504021.98
3635525.90 77.99395 (20092001)
504071.98 3635525.90 65.30936 (21060422) 504121.98
3635525.90 36.72860 (21013118)
504171.98 3635525.90 50.34723 (20121721) 504221.98
3635525.90 27.33611 (21013118)
504271.98 3635525.90 19.26137 (21013118) 504321.98
3635525.90 12.13270 (21013118)
504371.98 3635525.90 13.96157 (20040223) 504421.98
3635525.90 16.76203 (20040223)
504471.98 3635525.90 20.99242 (20011620) 504521.98
3635525.90 24.52707 (20011620)
504571.98 3635525.90 40.28786 (21090701) 504621.98
3635525.90 51.46721 (21090701)
504671.98 3635525.90 48.83778 (21081602) 504721.98
3635525.90 58.29489 (21122618)
504771.98 3635525.90 56.57359 (21122618) 504821.98
3635525.90 48.38386 (21122618)
504871.98 3635525.90 41.89536 (20091421) 504921.98
3635525.90 32.59596 (19102623)
504971.98 3635525.90 40.60361 (19102623) 505021.98
3635525.90 47.81778 (19102623)
505071.98 3635525.90 47.17792 (19102623) 505121.98
3635525.90 41.83190 (19102623)
505171.98 3635525.90 34.00808 (19102623) 505221.98
3635525.90 27.62227 (19010822)
502221.98 3635575.90 37.97838 (20042123) 502271.98
3635575.90 39.17487 (21031323)
502321.98 3635575.90 40.69800 (19012005) 502371.98
3635575.90 42.88118 (19012005)
502421.98 3635575.90 43.99869 (19083024) 502471.98
3635575.90 44.55118 (20071201)
502521.98 3635575.90 40.96915 (20071201) 502571.98
3635575.90 41.86779 (21072005)
502621.98 3635575.90 42.90522 (21110406) 502671.98
3635575.90 46.67899 (20070801)
502721.98 3635575.90 48.82581 (20070801) 502771.98
3635575.90 46.64805 (20070802)
502821.98 3635575.90 55.07405 (20070802) 502871.98

3635575.90   55.89404 (20070802)
        502921.98   3635575.90   58.07089 (19091321)   502971.98
3635575.90   64.88731 (19091321)
        503021.98   3635575.90   67.63950 (20042421)   503071.98
3635575.90   67.78116 (20042421)
        503121.98   3635575.90   45.57587 (19121706)   503171.98
3635575.90   46.80646 (20110924)
        503221.98   3635575.90   70.95711 (19073101)   503271.98
3635575.90   75.21130 (20091222)
        503321.98   3635575.90   70.55802 (19111601)   503371.98
3635575.90   76.61723 (20033120)
        503421.98   3635575.90   79.00915 (20101023)   503471.98
3635575.90   76.54016 (20101023)
        503521.98   3635575.90   77.37368 (19031924)   503571.98
3635575.90   81.95217 (20090823)
        503621.98   3635575.90   79.68609 (21081004)   503671.98
3635575.90   77.17819 (19101219)
        503721.98   3635575.90   75.31967 (19101219)   503771.98
3635575.90   78.88400 (20071102)
        503821.98   3635575.90   61.47699 (20071102)   503871.98
3635575.90   71.83148 (19013104)
        503921.98   3635575.90   88.46016 (19122420)   503971.98
3635575.90   79.69433 (21062101)
        504021.98   3635575.90   64.13587 (20092001)   504071.98
3635575.90   50.14434 (21060422)
        504121.98   3635575.90   51.71172 (21013118)   504171.98
3635575.90   55.15778 (19012903)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)

```
 - - -
```

```
        503571.98   3635625.90       72.21526  (20090823)               503621.98
3635625.90       78.60892  (21081004)
        503671.98   3635625.90       77.99950  (19101219)               503721.98
3635625.90       73.42822  (19101219)
        503771.98   3635625.90       77.94527  (20071102)               503821.98
3635625.90       61.05113  (20071102)
        503871.98   3635625.90       64.71116  (21061222)               503921.98
3635625.90       81.40040  (19122420)
        503971.98   3635625.90       75.89939  (19122420)               504021.98
3635625.90       62.44412  (20092001)
        504071.98   3635625.90       55.68666  (21060422)               504121.98
3635625.90       55.45079  (21060422)
        504171.98   3635625.90       50.81847  (21013118)               504221.98
3635625.90       59.70844  (20121721)
        504271.98   3635625.90       58.27694  (20121721)               504321.98
3635625.90       16.14424  (21013118)
        504371.98   3635625.90       10.37255  (21013118)               504421.98
3635625.90       11.44288  (20040223)
        504471.98   3635625.90       13.88218  (20040223)               504521.98
3635625.90       16.65321  (20011620)
        504571.98   3635625.90       20.02975  (20011620)               504621.98
3635625.90       22.35965  (20011620)
        504671.98   3635625.90       36.14161  (21090701)               504721.98
3635625.90       45.65496  (21090701)
        504771.98   3635625.90       46.06515  (21122618)               504821.98
3635625.90       52.35671  (21122618)
        504871.98   3635625.90       49.81267  (21122618)               504921.98
3635625.90       39.96482  (21122618)
        504971.98   3635625.90       37.11333  (20091421)               505021.98
3635625.90       28.23862  (20091421)
        505071.98   3635625.90       31.18305  (19102623)               505121.98
3635625.90       40.93616  (19102623)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 812
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505171.98	3635625.90	40.98749	(19102623)	505221.98	3635625.90	38.09731	(19102623)
502221.98	3635675.90	37.16347	(20122320)	502271.98	3635675.90	38.38514	(19083024)
502321.98	3635675.90	39.14223	(20071201)	502371.98	3635675.90	39.16835	(20071201)
502421.98	3635675.90	38.31632	(21072005)	502471.98	3635675.90	37.65514	(21072005)
502521.98	3635675.90	38.81186	(21110406)	502571.98	3635675.90	41.92641	(20070801)
502621.98	3635675.90	43.17189	(20070801)	502671.98	3635675.90	40.39680	(20110905)
502721.98	3635675.90	47.88775	(20070802)	502771.98	3635675.90	48.50583	(20070802)
502821.98	3635675.90	50.13984	(21121424)	502871.98	3635675.90	51.77340	(19091321)
502921.98	3635675.90	48.26404	(19071423)	502971.98	3635675.90	55.00183	(20042421)
503021.98	3635675.90	57.40364	(19121706)	503071.98	3635675.90	50.39091	(19121706)
503121.98	3635675.90	48.58528	(20110924)	503171.98	3635675.90	49.05785	(21021621)
503221.98	3635675.90	51.79130	(20091222)	503271.98	3635675.90	51.02279	(19111601)
503321.98	3635675.90	51.92876	(19050823)	503371.98	3635675.90	56.29313	(19071201)
503421.98	3635675.90	63.17822	(20101023)	503471.98	3635675.90	67.40291	(20120224)
503521.98	3635675.90	61.37631	(19072124)	503571.98	3635675.90	62.50976	(20090823)
503621.98	3635675.90	72.32678	(21081004)	503671.98	3635675.90	73.92537	(19101219)
503721.98	3635675.90	67.40775	(19101219)	503771.98	3635675.90	72.80355	(20071102)
503821.98	3635675.90	58.45619	(20071102)	503871.98	3635675.90	65.19546	(21061222)
503921.98	3635675.90	78.29291	(19122420)	503971.98	3635675.90	75.99293	(19122420)
504021.98	3635675.90	61.27279	(20092001)	504071.98	3635675.90	57.90660	(20092001)
504121.98	3635675.90	54.93137	(21060422)	504171.98	3635675.90	48.41433	(21013118)
504221.98	3635675.90	51.40929	(20121721)	504271.98			

3635675.90   58.08000 (20121721)
        504321.98   3635675.90   46.30386 (20092821)   504371.98
3635675.90   12.08206 (21013118)
        504421.98   3635675.90   9.21592 (20040223)   504471.98
3635675.90   44.21697 (21121422)
        504521.98   3635675.90   49.84515 (21121422)   504571.98
3635675.90   16.55392 (20011620)
        504621.98   3635675.90   36.39992 (21061321)   504671.98
3635675.90   37.10992 (21090701)
        504721.98   3635675.90   41.63627 (21090701)   504771.98
3635675.90   50.16605 (21090701)
        504821.98   3635675.90   44.75757 (21122618)   504871.98
3635675.90   48.44198 (21122618)
        504921.98   3635675.90   44.16873 (21122618)   504971.98
3635675.90   40.72064 (21122618)
        505021.98   3635675.90   34.27278 (20091421)   505071.98
3635675.90   27.35045 (20091421)
        505121.98   3635675.90   32.39515 (19102623)   505171.98
3635675.90   37.53548 (19102623)
        505221.98   3635675.90   38.26609 (19102623)   502221.98
3635725.90   37.80446 (20122320)
        502271.98   3635725.90   36.78487 (21012023)   502321.98
3635725.90   37.42026 (21012023)
        502371.98   3635725.90   36.44146 (21072005)   502421.98
3635725.90   34.58855 (21072005)
        502471.98   3635725.90   36.66575 (20122721)   502521.98
3635725.90   38.69398 (20070801)
        502571.98   3635725.90   40.64731 (20070801)   502621.98
3635725.90   37.89447 (20110905)
        502671.98   3635725.90   44.86602 (20070802)   502721.98
3635725.90   46.91263 (20070802)
        502771.98   3635725.90   47.20417 (21121424)   502821.98
3635725.90   47.15608 (19091321)
        502871.98   3635725.90   47.65907 (19071423)   502921.98
3635725.90   48.84231 (19112801)
        502971.98   3635725.90   54.84572 (19121706)   503021.98
3635725.90   51.48768 (19121706)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503071.98	3635725.90	44.56442	(21100523)	503121.98	3635725.90	45.77421	(21100523)
503171.98	3635725.90	50.01140	(21021621)	503221.98	3635725.90	46.70461	(21112718)
503271.98	3635725.90	49.11384	(19050823)	503321.98	3635725.90	51.19684	(19050823)
503371.98	3635725.90	53.12370	(21100603)	503421.98	3635725.90	57.15353	(20120224)
503471.98	3635725.90	64.22563	(20120224)	503521.98	3635725.90	57.68082	(19072124)
503571.98	3635725.90	58.16447	(21021806)	503621.98	3635725.90	64.50405	(21081004)
503671.98	3635725.90	69.46091	(19101219)	503721.98	3635725.90	61.39405	(19101219)
503771.98	3635725.90	67.62719	(20071102)	503821.98	3635725.90	55.44230	(20071102)
503871.98	3635725.90	62.44452	(21061222)	503921.98	3635725.90	72.56769	(19122420)
503971.98	3635725.90	75.07538	(19122420)	504021.98	3635725.90	59.19675	(20092001)
504071.98	3635725.90	60.87353	(20092001)	504121.98	3635725.90	55.78208	(21060422)
504171.98	3635725.90	48.89958	(21060422)	504221.98	3635725.90	52.89799	(19012903)
504271.98	3635725.90	59.32240	(20121721)	504321.98	3635725.90	52.12564	(20121721)
504371.98	3635725.90	46.71281	(20092821)	504421.98	3635725.90	8.95793	(21013118)
504471.98	3635725.90	47.58019	(19022602)	504521.98	3635725.90	50.77911	(21121422)
504571.98	3635725.90	44.39622	(21121422)	504621.98	3635725.90	35.32749	(21121422)
504671.98	3635725.90	36.12545	(21061321)	504721.98	3635725.90	37.04736	(21090701)
504771.98	3635725.90	40.28907	(21090701)	504821.98	3635725.90	41.46417	(21090701)
504871.98	3635725.90	40.24352	(21122618)	504921.98	3635725.90	43.39745	(21122618)

```
        504971.98   3635725.90       45.06713  (21122618)                505021.98
3635725.90       39.49196  (21122618)
        505071.98   3635725.90       32.39887  (20091421)                505121.98
3635725.90       30.84798  (20091421)
        505171.98   3635725.90       29.43091  (19102623)                505221.98
3635725.90       33.91693  (19102623)
        502221.98   3635775.90       37.70572  (21012023)                502271.98
3635775.90       36.64662  (21012023)
        502321.98   3635775.90       34.32623  (21012023)                502371.98
3635775.90       33.03525  (20121101)
        502421.98   3635775.90       35.57800  (20122721)                502471.98
3635775.90       36.59785  (20122721)
        502521.98   3635775.90       37.05173  (20070801)                502571.98
3635775.90       34.99642  (19031105)
        502621.98   3635775.90       41.12350  (20070802)                502671.98
3635775.90       43.60289  (20070802)
        502721.98   3635775.90       43.45713  (21121424)                502771.98
3635775.90       45.99299  (19091321)
        502821.98   3635775.90       46.73695  (19091321)                502871.98
3635775.90       46.54444  (20042421)
        502921.98   3635775.90       50.99558  (19121706)                502971.98
3635775.90       51.45436  (19121706)
        503021.98   3635775.90       42.42085  (20112321)                503071.98
3635775.90       44.83874  (21100523)
        503121.98   3635775.90       46.20201  (21021621)                503171.98
3635775.90       47.35488  (21021621)
        503221.98   3635775.90       47.21733  (21112718)                503271.98
3635775.90       51.37785  (19050823)
        503321.98   3635775.90       50.50136  (21100603)                503371.98
3635775.90       52.84998  (21100603)
        503421.98   3635775.90       58.23050  (20120224)                503471.98
3635775.90       60.22452  (20120224)
        503521.98   3635775.90       55.09455  (19072124)                503571.98
3635775.90       55.43388  (21021806)
        503621.98   3635775.90       52.44675  (21081004)                503671.98
3635775.90       61.64962  (19101219)
        503721.98   3635775.90       58.10437  (19021305)                503771.98
3635775.90       63.16793  (20071102)
        503821.98   3635775.90       51.98805  (20071102)                503871.98
3635775.90       57.62571  (21061222)
        503921.98   3635775.90       65.04034  (19122420)                503971.98
3635775.90       72.19990  (19122420)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 814
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504021.98	3635775.90	60.51678	(21062624)	504071.98	3635775.90	67.47334	(20092001)
504121.98	3635775.90	59.95930	(21060422)	504171.98	3635775.90	56.25848	(21060422)
504221.98	3635775.90	51.92746	(19012903)	504271.98	3635775.90	57.44650	(20121721)
504321.98	3635775.90	56.75185	(20121721)	504371.98	3635775.90	49.57018	(20092821)
504421.98	3635775.90	42.42341	(19022602)	504471.98	3635775.90	49.21837	(19022602)
504521.98	3635775.90	47.00580	(21121422)	504571.98	3635775.90	46.67765	(21121422)
504621.98	3635775.90	41.69462	(21121422)	504671.98	3635775.90	34.27264	(21061321)
504721.98	3635775.90	31.32360	(21061321)	504771.98	3635775.90	37.36160	(21090701)
504821.98	3635775.90	39.78586	(21090701)	504871.98	3635775.90	37.50000	(21090701)
504921.98	3635775.90	38.54914	(21122618)	504971.98	3635775.90	44.96941	(21122618)
505021.98	3635775.90	44.05670	(21122618)	505071.98	3635775.90	35.97510	(21122618)
505121.98	3635775.90	33.29578	(20091421)	505171.98	3635775.90	29.38195	(20091421)
505221.98	3635775.90	26.63548	(19102623)	502221.98	3635825.90	36.75477	(21012023)
502271.98	3635825.90	32.77195	(21012023)	502321.98	3635825.90	31.82313	(20122721)
502371.98	3635825.90	33.74872	(20122721)	502421.98	3635825.90	35.22531	(20122721)
502471.98	3635825.90	34.80381	(20070801)	502521.98	3635825.90	34.04539	(19031105)
502571.98	3635825.90	37.89678	(20070802)	502621.98			

```
3635825.90       40.97026  (20070802)
        502671.98   3635825.90       41.52644  (21121424)                502721.98
3635825.90       42.75303  (21121424)
        502771.98   3635825.90       45.44359  (19091321)                502821.98
3635825.90       43.85816  (19071423)
        502871.98   3635825.90       46.47591  (20042421)                502921.98
3635825.90       50.10371  (19121706)
        502971.98   3635825.90       44.17681  (19121706)                503021.98
3635825.90       42.78324  (21100523)
        503071.98   3635825.90       42.28125  (21100523)                503121.98
3635825.90       45.95328  (21021621)
        503171.98   3635825.90       44.96806  (21112718)                503221.98
3635825.90       45.41289  (19050823)
        503271.98   3635825.90       48.89505  (19050823)                503321.98
3635825.90       50.32024  (21100603)
        503371.98   3635825.90       48.98352  (21100603)                503421.98
3635825.90       57.63206  (20120224)
        503471.98   3635825.90       54.99875  (20120224)                503521.98
3635825.90       49.12823  (19072124)
        503571.98   3635825.90       52.17866  (19051001)                503621.98
3635825.90       47.41029  (19080922)
        503671.98   3635825.90       51.87208  (19101219)                503721.98
3635825.90       54.92055  (21041324)
        503771.98   3635825.90       58.79538  (20071102)                503821.98
3635825.90       48.09932  (20071102)
        503871.98   3635825.90       52.36858  (21061222)                503921.98
3635825.90       59.40723  (19122420)
        503971.98   3635825.90       67.22067  (19122420)                504021.98
3635825.90       60.84902  (21062624)
        504071.98   3635825.90       64.05458  (20092001)                504121.98
3635825.90       59.61477  (21060422)
        504171.98   3635825.90       61.76591  (21060422)                504221.98
3635825.90       53.00886  (21070824)
        504271.98   3635825.90       57.65657  (19012903)                504321.98
3635825.90       61.45547  (20121721)
        504371.98   3635825.90       52.28789  (20121721)                504421.98
3635825.90       47.14623  (20092821)
        504471.98   3635825.90       48.23613  (19022602)                504521.98
3635825.90       50.15985  (19022602)
        504571.98   3635825.90       46.81929  (21121422)                504621.98
3635825.90       45.56333  (21121422)
        504671.98   3635825.90       36.17350  (21121422)                504721.98
3635825.90       30.58539  (21061321)
        504771.98   3635825.90       30.35965  (21090701)                504821.98
3635825.90       37.15606  (21090701)
        504871.98   3635825.90       39.43058  (21090701)                504921.98
3635825.90       35.98899  (21090701)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504971.98	3635825.90	38.91026	(21122618)	505021.98	3635825.90	42.20771	(21122618)
505071.98	3635825.90	41.18701	(21122618)	505121.98	3635825.90	35.27039	(21122618)
505171.98	3635825.90	32.51949	(20091421)	505221.98	3635825.90	28.83201	(20091421)
502221.98	3635875.90	31.62728	(21012023)	502271.98	3635875.90	31.65190	(20122721)
502321.98	3635875.90	33.46627	(20122721)	502371.98	3635875.90	33.23473	(20122721)
502421.98	3635875.90	32.43372	(20070801)	502471.98	3635875.90	32.55119	(19031105)
502521.98	3635875.90	34.09635	(20070802)	502571.98	3635875.90	37.52050	(20070802)
502621.98	3635875.90	40.11057	(21121424)	502671.98	3635875.90	41.82055	(21121424)
502721.98	3635875.90	40.98093	(19091321)	502771.98	3635875.90	41.95285	(19071423)
502821.98	3635875.90	44.06624	(20042421)	502871.98	3635875.90	46.84690	(19121706)
502921.98	3635875.90	45.00194	(19121706)	502971.98	3635875.90	38.44749	(21100523)
503021.98	3635875.90	41.52541	(21100523)	503071.98	3635875.90	42.32407	(21021621)
503121.98	3635875.90	43.29706	(21021621)	503171.98	3635875.90	43.28514	(21112718)
503221.98	3635875.90	46.76436	(19050823)	503271.98	3635875.90	45.75683	(19050823)

503321.98 3635875.90 49.19659 (21100603) 503371.98
3635875.90 45.74351 (20120224)
503421.98 3635875.90 55.82925 (20120224) 503471.98
3635875.90 52.13947 (19072124)
503521.98 3635875.90 44.03342 (20052321) 503571.98
3635875.90 50.07352 (19051001)
503621.98 3635875.90 45.20184 (19080922) 503671.98
3635875.90 49.47308 (19101219)
503721.98 3635875.90 52.63711 (21041324) 503771.98
3635875.90 53.68735 (20071102)
503821.98 3635875.90 43.99405 (20071102) 503871.98
3635875.90 44.67131 (19072224)
503921.98 3635875.90 52.97749 (19122420) 503971.98
3635875.90 63.14121 (19122420)
504021.98 3635875.90 58.33850 (21062101) 504071.98
3635875.90 57.49620 (20092001)
504121.98 3635875.90 57.48887 (20092001) 504171.98
3635875.90 59.96760 (21060422)
504221.98 3635875.90 50.99700 (21060422) 504271.98
3635875.90 52.43337 (19012903)
504321.98 3635875.90 57.82886 (20121721) 504371.98
3635875.90 59.42946 (20121721)
504421.98 3635875.90 55.78753 (20092821) 504471.98
3635875.90 45.14495 (19022602)
504521.98 3635875.90 49.72217 (19022602) 504571.98
3635875.90 44.87842 (19022602)
504621.98 3635875.90 47.06939 (21121422) 504671.98
3635875.90 41.66791 (21121422)
504721.98 3635875.90 30.00411 (21121422) 504771.98
3635875.90 29.62433 (21061321)
504821.98 3635875.90 31.62893 (21090701) 504871.98
3635875.90 36.34294 (21090701)
504921.98 3635875.90 37.27729 (21090701) 504971.98
3635875.90 36.87638 (21081602)
505021.98 3635875.90 37.49746 (21122618) 505071.98
3635875.90 39.39071 (21122618)
505121.98 3635875.90 38.79795 (21122618) 505171.98
3635875.90 34.07747 (21122618)
505221.98 3635875.90 31.69402 (20091421) 502221.98
3635925.90 32.98836 (20122721)
502271.98 3635925.90 33.62855 (20122721) 502321.98
3635925.90 33.09196 (20122721)
502371.98 3635925.90 31.08908 (20070801) 502421.98
3635925.90 31.34152 (19031105)
502471.98 3635925.90 32.17664 (20070802) 502521.98
3635925.90 33.44373 (20070802)
502571.98 3635925.90 38.12764 (21121424) 502621.98
3635925.90 40.62151 (21121424)
502671.98 3635925.90 38.21708 (21121424) 502721.98
3635925.90 37.77279 (19071423)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502871.98	3635925.90	44.50472	(19121706)	502921.98	3635925.90	37.05061	(19121706)
502971.98	3635925.90	39.04301	(21100523)	503021.98	3635925.90	38.31491	(20070104)
503071.98	3635925.90	41.84650	(21021621)	503121.98	3635925.90	41.29434	(21112718)
503171.98	3635925.90	40.99268	(19050823)	503221.98	3635925.90	45.63020	(19050823)
503271.98	3635925.90	44.73499	(21100603)	503321.98	3635925.90	46.67554	(21100603)
503371.98	3635925.90	47.86283	(20120224)	503421.98	3635925.90	52.85802	(20120224)
503471.98	3635925.90	48.25768	(19072124)	503521.98	3635925.90	42.31524	(19051001)
503571.98	3635925.90	47.69131	(19051001)	503621.98	3635925.90	42.33692	(19080922)
503671.98	3635925.90	47.61982	(21041324)	503721.98	3635925.90	51.00255	(21041324)
503771.98	3635925.90	48.59691	(19072223)	503821.98	3635925.90	40.85118	(19072223)
503871.98	3635925.90	42.27247	(21061222)	503921.98	3635925.90	48.49380	(19122420)
503971.98	3635925.90	58.85785	(19122420)	504021.98			

3635925.90 55.12206 (19122420)
504071.98 3635925.90 52.37990 (20092001) 504121.98
3635925.90 54.21978 (20092001)
504171.98 3635925.90 52.89242 (21060422) 504221.98
3635925.90 47.50772 (21060422)
504271.98 3635925.90 49.34275 (21013118) 504321.98
3635925.90 51.37625 (19012903)
504371.98 3635925.90 56.47305 (20121721) 504421.98
3635925.90 53.19007 (20092821)
504471.98 3635925.90 50.57832 (20092821) 504521.98
3635925.90 49.92061 (19022602)
504571.98 3635925.90 49.24632 (19022602) 504621.98
3635925.90 43.54421 (21121422)
504671.98 3635925.90 44.74358 (21121422) 504721.98
3635925.90 37.33602 (21121422)
504771.98 3635925.90 30.54224 (21061321) 504821.98
3635925.90 28.33885 (21061321)
504871.98 3635925.90 30.98627 (21090701) 504921.98
3635925.90 34.88439 (21090701)
504971.98 3635925.90 38.30860 (21090701) 505021.98
3635925.90 36.97948 (21081602)
505071.98 3635925.90 38.23449 (21122618) 505121.98
3635925.90 39.18794 (21122618)
505171.98 3635925.90 37.40203 (21122618) 505221.98
3635925.90 34.55188 (21122618)
502221.98 3635975.90 35.31730 (20122721) 502271.98
3635975.90 33.60798 (20122721)
502321.98 3635975.90 31.06552 (19031105) 502371.98
3635975.90 30.15953 (19031105)
502421.98 3635975.90 29.54653 (20040823) 502471.98
3635975.90 32.14395 (20070802)
502521.98 3635975.90 36.20692 (21121424) 502571.98
3635975.90 38.56861 (21121424)
502621.98 3635975.90 37.32735 (21121424) 502671.98
3635975.90 34.00212 (19071423)
502721.98 3635975.90 36.96577 (19112801) 502771.98
3635975.90 40.59392 (19121706)
502821.98 3635975.90 43.55280 (19121706) 502871.98
3635975.90 39.19456 (19121706)
502921.98 3635975.90 36.31629 (21100523) 502971.98
3635975.90 37.35064 (21100523)
503021.98 3635975.90 39.13405 (21021621) 503071.98
3635975.90 39.72995 (21021621)
503121.98 3635975.90 39.84735 (21112718) 503171.98
3635975.90 42.11353 (19050823)
503221.98 3635975.90 43.19436 (19050823) 503271.98
3635975.90 44.65200 (21100603)
503321.98 3635975.90 43.29302 (21100603) 503371.98
3635975.90 49.27565 (20120224)
503421.98 3635975.90 47.07246 (20120224) 503471.98

```
3635975.90       44.09742  (19072124)
        503521.98   3635975.90       43.11713  (19051001)                503571.98
3635975.90       45.00351  (19051001)
        503621.98   3635975.90       40.13389  (19080922)                503671.98
3635975.90       46.55738  (21041324)
        503721.98   3635975.90       49.32182  (21041324)                503771.98
3635975.90       47.47005  (19072223)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 817
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        503821.98   3635975.90       39.68727  (19072223)                503871.98
3635975.90       39.14792  (19072224)
        503921.98   3635975.90       45.70026  (19072224)                503971.98
3635975.90       55.33503  (19122420)
        504021.98   3635975.90       52.01910  (19122420)                504071.98
3635975.90       44.16448  (20092001)
        504121.98   3635975.90       47.26249  (20092001)                504171.98
3635975.90       43.36720  (21060422)
        504221.98   3635975.90       43.01782  (21060422)                504271.98
3635975.90       48.83267  (21013118)
        504321.98   3635975.90       45.06750  (21013118)                504371.98
3635975.90       46.21193  (20121721)
        504421.98   3635975.90       46.67491  (20121721)                504471.98
3635975.90       47.90816  (20092821)
        504521.98   3635975.90       41.51424  (19022602)                504571.98
3635975.90       48.65149  (19022602)
        504621.98   3635975.90       46.12533  (19022602)                504671.98
3635975.90       48.69582  (21121422)
```

```
        504721.98   3635975.90       45.99562  (21121422)               504771.98
3635975.90       35.83911  (21121422)
        504821.98   3635975.90       31.88807  (21061321)               504871.98
3635975.90       28.71909  (21061321)
        504921.98   3635975.90       31.07374  (21090701)               504971.98
3635975.90       37.07096  (21090701)
        505021.98   3635975.90       37.39356  (21090701)               505071.98
3635975.90       36.02162  (21081602)
        505121.98   3635975.90       36.66401  (21122618)               505171.98
3635975.90       38.52149  (21122618)
        505221.98   3635975.90       35.95272  (21122618)               501721.98
3632475.90        2.93446  (21030103)
        501821.98   3632475.90        4.28634  (21030103)               501921.98
3632475.90        5.85731  (21030103)
        502021.98   3632475.90        7.39260  (21030103)               502121.98
3632475.90        8.52071  (21030103)
        502221.98   3632475.90        8.87442  (21030103)               502321.98
3632475.90       11.32831  (20121603)
        502421.98   3632475.90       13.16577  (20121603)               502521.98
3632475.90       13.10432  (20121603)
        502621.98   3632475.90       11.00300  (20121603)               502721.98
3632475.90       20.19809  (20092124)
        502821.98   3632475.90       17.59681  (20092124)               502921.98
3632475.90       20.21685  (20082723)
        503021.98   3632475.90       23.04264  (20111701)               503121.98
3632475.90       29.44716  (19081924)
        503221.98   3632475.90       34.88849  (19081924)               503321.98
3632475.90       29.40204  (19110606)
        503421.98   3632475.90       32.34023  (19101521)               503721.98
3632475.90       31.98063  (21020203)
        503821.98   3632475.90       33.03938  (20082921)               503921.98
3632475.90       26.07017  (20082921)
        504021.98   3632475.90       22.41257  (20080820)               504121.98
3632475.90       24.73072  (20022622)
        504221.98   3632475.90       24.30826  (21011302)               504321.98
3632475.90       22.93156  (19102905)
        504421.98   3632475.90       23.43897  (19121107)               504521.98
3632475.90       23.73799  (21011620)
        504621.98   3632475.90       22.73972  (21013021)               504721.98
3632475.90       22.21337  (21120723)
        504821.98   3632475.90       21.55372  (20101423)               504921.98
3632475.90       21.40713  (21022020)
        505021.98   3632475.90       21.11683  (21120804)               505121.98
3632475.90       20.57754  (20011902)
        505221.98   3632475.90       20.11355  (19022705)               505321.98
3632475.90       19.27237  (20121007)
        505421.98   3632475.90       18.70841  (21011520)               505521.98
3632475.90       18.28186  (21010522)
        505621.98   3632475.90       17.68840  (20122923)               505721.98
3632475.90       16.11256  (21010401)
```

```
        501721.98   3632575.90        2.75954  (19010119)                501821.98
3632575.90        3.23303  (21030103)
        501921.98   3632575.90        4.75776  (21030103)                502021.98
3632575.90        6.51206  (21030103)
        502121.98   3632575.90        8.17475  (21030103)                502221.98
3632575.90        9.29599  (21030103)
        502321.98   3632575.90        9.98059  (20121603)                502421.98
3632575.90       12.93297  (20121603)
        502521.98   3632575.90       14.34664  (20121603)                502621.98
3632575.90       13.40432  (20121603)
        502721.98   3632575.90       11.53386  (21063005)                502821.98
3632575.90       17.54175  (20092124)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 818
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        502921.98   3632575.90       19.98159  (20102407)                503021.98
3632575.90       25.08449  (20082723)
        503121.98   3632575.90       26.35776  (19050103)                503221.98
3632575.90       37.93618  (19081924)
        503321.98   3632575.90       29.64070  (19110606)                503421.98
3632575.90       34.29940  (19101521)
        503721.98   3632575.90       32.46196  (21020203)                503821.98
3632575.90       33.34956  (20082921)
        503921.98   3632575.90       21.32899  (20081802)                504021.98
3632575.90       25.15869  (20082519)
        504121.98   3632575.90       25.58828  (20022622)                504221.98
3632575.90       25.46460  (21011302)
        504321.98   3632575.90       24.94241  (21022205)                504421.98
```

```
3632575.90       26.46341  (20022403)
        504521.98   3632575.90       24.22756  (21011620)                504621.98
3632575.90       22.51868  (20042404)
        504721.98   3632575.90       23.23767  (21120723)                504821.98
3632575.90       22.65099  (20112022)
        504921.98   3632575.90       22.80940  (21011323)                505021.98
3632575.90       21.96067  (21010102)
        505121.98   3632575.90       20.92452  (19022705)                505221.98
3632575.90       20.92401  (21021820)
        505321.98   3632575.90       20.65057  (21011520)                505421.98
3632575.90       19.70746  (21010522)
        505521.98   3632575.90       18.77337  (20122923)                505621.98
3632575.90       17.34961  (19081501)
        505721.98   3632575.90       18.33989  (21022502)                501721.98
3632675.90        3.43135  (19010119)
        501821.98   3632675.90        3.03738  (19010119)                501921.98
3632675.90        3.57682  (21030103)
        502021.98   3632675.90        5.30521  (21030103)                502121.98
3632675.90        7.27071  (21030103)
        502221.98   3632675.90        9.06590  (21030103)                502321.98
3632675.90       10.14177  (21030103)
        502421.98   3632675.90       11.74647  (20121603)                502521.98
3632675.90       14.64783  (20121603)
        502621.98   3632675.90       15.36628  (20121603)                502721.98
3632675.90       13.31387  (20121603)
        502821.98   3632675.90       29.48243  (20092124)                502921.98
3632675.90       27.03976  (20061222)
        503021.98   3632675.90       30.15935  (20082723)                503721.98
3632675.90       34.09907  (21020203)
        503821.98   3632675.90       35.98321  (20082921)                503921.98
3632675.90       26.21016  (20032501)
        504021.98   3632675.90       26.60510  (19032124)                504121.98
3632675.90       27.77900  (21013120)
        504221.98   3632675.90       24.74367  (21011302)                504321.98
3632675.90       27.29866  (21022205)
        504421.98   3632675.90       26.01290  (20022403)                504521.98
3632675.90       26.09080  (21013021)
        504621.98   3632675.90       25.26371  (20042404)                504721.98
3632675.90       24.78018  (20101423)
        504821.98   3632675.90       24.09153  (21022020)                504921.98
3632675.90       23.54701  (21010102)
        505021.98   3632675.90       22.57427  (21022803)                505121.98
3632675.90       22.73054  (21021820)
        505221.98   3632675.90       22.23623  (21011520)                505321.98
3632675.90       20.98173  (21010522)
        505421.98   3632675.90       20.09102  (19122301)                505521.98
3632675.90       18.70738  (19081501)
        505621.98   3632675.90       19.68054  (21022502)                505721.98
3632675.90       18.30105  (19120104)
        502421.98   3632775.90       18.95825  (21030103)                502521.98
```

3632775.90   24.40409 (21031822)
        502621.98   3632775.90   23.91902 (20121603)   502721.98
3632775.90   16.08624 (20121603)
        502821.98   3632775.90   35.02259 (20092124)   502921.98
3632775.90   34.96967 (20090205)
        503021.98   3632775.90   32.87966 (20102407)   503121.98
3632775.90   37.07606 (20111701)
        503221.98   3632775.90   31.67871 (19081924)   503621.98
3632775.90   39.83765 (20050102)
        503721.98   3632775.90   36.99188 (21020203)   503821.98
3632775.90   36.15607 (20082921)
        503921.98   3632775.90   29.04555 (20032501)   504021.98
3632775.90   28.97530 (19032124)
        504121.98   3632775.90   30.41072 (21013120)   504221.98
3632775.90   26.88791 (19102905)
        504321.98   3632775.90   29.25167 (19121107)   504421.98
3632775.90   29.33279 (21011620)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002   , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

505321.98 3632775.90 21.97554 (19122301) 505421.98
3632775.90 20.25281 (19081501)
505521.98 3632775.90 21.17990 (21022502) 505621.98
3632775.90 19.49551 (19120104)
505721.98 3632775.90 19.75093 (20021702) 501721.98
3632875.90 4.61449 (19010119)
501821.98 3632875.90 4.49416 (19010119) 501921.98
3632875.90 4.19338 (19010119)
502021.98 3632875.90 3.73260 (19010119) 502121.98
3632875.90 4.44135 (21030103)
502221.98 3632875.90 6.70026 (21030103) 502321.98
3632875.90 9.19136 (21030103)
502421.98 3632875.90 11.24169 (21030103) 502521.98
3632875.90 12.04050 (21030103)
502621.98 3632875.90 16.09071 (20121603) 502721.98
3632875.90 18.07456 (20121603)
502821.98 3632875.90 30.88918 (20092124) 502921.98
3632875.90 40.38162 (20090205)
503021.98 3632875.90 24.34847 (20090205) 503121.98
3632875.90 34.00546 (20111701)
503221.98 3632875.90 32.00311 (20111701) 503321.98
3632875.90 43.15388 (19081924)
503421.98 3632875.90 40.96600 (19110606) 503621.98
3632875.90 41.67880 (20050102)
503721.98 3632875.90 38.99176 (21020203) 503821.98
3632875.90 37.26286 (20082921)
503921.98 3632875.90 26.84545 (20081802) 504021.98
3632875.90 31.72504 (19032124)
504121.98 3632875.90 32.32214 (21013120) 504221.98
3632875.90 30.78462 (19102905)
504321.98 3632875.90 32.56849 (20022403) 504421.98
3632875.90 30.18669 (20052501)
504521.98 3632875.90 29.42237 (20042404) 504621.98
3632875.90 28.61333 (20101423)
504721.98 3632875.90 28.05060 (21011323) 504821.98
3632875.90 27.53791 (21010102)
504921.98 3632875.90 26.24030 (19022705) 505021.98
3632875.90 25.50985 (20121007)
505121.98 3632875.90 24.46848 (19121906) 505221.98
3632875.90 23.93050 (19122301)
505321.98 3632875.90 21.87470 (19081501) 505421.98
3632875.90 22.87142 (21022502)
505521.98 3632875.90 20.97263 (19120104) 505621.98
3632875.90 21.23231 (20021702)
505721.98 3632875.90 19.90589 (20020804) 501721.98
3632975.90 5.19755 (21111004)
501821.98 3632975.90 5.04210 (19010119) 501921.98
3632975.90 4.96290 (19010119)
502021.98 3632975.90 4.66615 (19010119) 502121.98
3632975.90 4.17012 (19010119)

```
        505321.98   3632975.90       24.77886  (21022502)                505421.98
3632975.90       22.56511  (19120104)
        505521.98   3632975.90       22.84599  (20021702)                505621.98
3632975.90       21.13619  (20011323)
        505721.98   3632975.90       20.89552  (21012402)                501721.98
3633075.90        6.54908  (21111004)
        501821.98   3633075.90        6.00632  (21111004)                501921.98
3633075.90        5.51766  (19010119)
        502021.98   3633075.90        5.49822  (19010119)                502121.98
3633075.90        5.21879  (19010119)
        505321.98   3633075.90       24.38606  (19120104)                505421.98
3633075.90       24.53717  (20021702)
        505521.98   3633075.90       22.92693  (20011323)                505621.98
3633075.90       21.83119  (20121620)
        505721.98   3633075.90       21.87983  (20022406)                501721.98
3633175.90        7.55504  (21111004)
        501821.98   3633175.90        7.42553  (21111004)                501921.98
3633175.90        6.95024  (21111004)
        502021.98   3633175.90        6.15257  (21111004)                502121.98
3633175.90        6.10517  (19010119)
        505321.98   3633175.90       26.85648  (20020804)                505421.98
3633175.90       24.96536  (21012402)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 820
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        505521.98   3633175.90       23.94543  (20121620)                505621.98
3633175.90       22.66141  (20022406)
        505721.98   3633175.90       21.81920  (20121318)                501721.98
```

```
3633275.90        7.90612  (21111004)
        501821.98   3633275.90        8.33129  (21111004)                501921.98
3633275.90        8.39928  (21111004)
        502021.98   3633275.90        8.05176  (21111004)                502121.98
3633275.90        7.26599  (21111004)
        505321.98   3633275.90       28.09661  (21012402)                505421.98
3633275.90       26.57204  (20022406)
        505521.98   3633275.90       24.60269  (19010903)                505621.98
3633275.90       23.83080  (21011418)
        505721.98   3633275.90       22.31147  (21021801)                501721.98
3633375.90        7.43210  (21111004)
        501821.98   3633375.90        8.37957  (21111004)                501921.98
3633375.90        9.09530  (21111004)
        502021.98   3633375.90        9.44462  (21111004)                502121.98
3633375.90        9.30612  (21111004)
        505321.98   3633375.90       29.42995  (20022406)                505421.98
3633375.90       27.10328  (21121121)
        505521.98   3633375.90       25.57976  (21120121)                505621.98
3633375.90       24.17478  (21011022)
        505721.98   3633375.90       22.90616  (20021024)                501721.98
3633475.90        6.21991  (21111004)
        501821.98   3633475.90        7.48896  (21111004)                501921.98
3633475.90        8.74287  (21111004)
        502021.98   3633475.90        9.82523  (21111004)                502121.98
3633475.90       10.54191  (21111004)
        505321.98   3633475.90       29.43487  (21120121)                505421.98
3633475.90       27.99446  (21021801)
        505521.98   3633475.90       26.32961  (20021024)                505621.98
3633475.90       26.04552  (21122302)
        505721.98   3633475.90       24.17838  (21010408)                501721.98
3633575.90        7.29749  (21012320)
        501821.98   3633575.90        6.24668  (21012320)                501921.98
3633575.90        7.34739  (21111004)
        502021.98   3633575.90        8.90958  (21111004)                502121.98
3633575.90       10.43308  (21111004)
        505321.98   3633575.90       30.74401  (21011022)                505421.98
3633575.90       30.42115  (21122302)
        505521.98   3633575.90       27.73430  (21011724)                505621.98
3633575.90       26.30128  (21010408)
        505721.98   3633575.90       24.81204  (21011221)                501721.98
3633675.90       10.74686  (21012320)
        501821.98   3633675.90       10.03767  (21012320)                501921.98
3633675.90        9.02635  (21012320)
        502021.98   3633675.90        7.74472  (21012320)                502121.98
3633675.90        8.83503  (21111004)
        505321.98   3633675.90       32.59649  (21011724)                505421.98
3633675.90       31.39980  (21010408)
        505521.98   3633675.90       28.77241  (21011221)                505621.98
3633675.90       27.66678  (20121406)
        505721.98   3633675.90       25.23044  (20021305)                501721.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLEN   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)

```
 - - -
```

```
        505321.98   3634475.90       41.72666  (19122101)                505421.98
3634475.90       46.07913  (19122101)
        505521.98   3634475.90       36.21291  (19122101)                505621.98
3634475.90       30.58324  (19122101)
        505721.98   3634475.90       28.41160  (21021007)                501721.98
3634575.90       14.40814  (21021102)
        501821.98   3634575.90       15.53237  (21021102)                501921.98
3634575.90       16.80787  (21021102)
        502021.98   3634575.90       18.27933  (21021102)                502121.98
3634575.90       19.96427  (21021102)
        505321.98   3634575.90       36.71426  (21032906)                505421.98
3634575.90       42.77191  (21032906)
        505521.98   3634575.90       38.39429  (21101921)                505621.98
3634575.90       29.26447  (21101921)
        505721.98   3634575.90       27.04107  (21101921)                501721.98
3634675.90       14.89624  (21021102)
        501821.98   3634675.90       15.85555  (21021102)                501921.98
3634675.90       16.88101  (21021102)
        502021.98   3634675.90       18.01296  (21021102)                502121.98
3634675.90       19.15859  (21021102)
        505321.98   3634675.90       44.09159  (20041201)                505421.98
3634675.90       46.77669  (20041201)
        505521.98   3634675.90       43.04355  (21013119)                505621.98
3634675.90       37.53778  (20041201)
        505721.98   3634675.90       29.31487  (20041201)                501721.98
3634775.90       11.54159  (21021102)
        501821.98   3634775.90       11.87878  (21021102)                501921.98
3634775.90       12.15861  (21021102)
        502021.98   3634775.90       12.87403  (19101801)                502121.98
3634775.90       13.92184  (19101801)
        505321.98   3634775.90       37.65769  (20081806)                505421.98
3634775.90       36.31323  (20041201)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 822
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLEN    ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3634775.90	36.09761	(20041201)	505621.98	3634775.90	37.04911	(20041201)
505721.98	3634775.90	35.95957	(20041201)	501721.98	3634875.90	10.96587	(19050903)
501821.98	3634875.90	12.41550	(19050903)	501921.98	3634875.90	13.99581	(19050903)
502021.98	3634875.90	15.70848	(19050903)	502121.98	3634875.90	17.53447	(19050903)
505321.98	3634875.90	41.70767	(20081806)	505421.98	3634875.90	41.45310	(21032601)
505521.98	3634875.90	37.90670	(21032601)	505621.98	3634875.90	34.46768	(20081806)
505721.98	3634875.90	33.43218	(20081806)	501721.98	3634975.90	13.09475	(19050903)
501821.98	3634975.90	14.13013	(19050903)	501921.98	3634975.90	15.09055	(19050903)
502021.98	3634975.90	15.93043	(19050903)	502121.98	3634975.90	16.56531	(19050903)
505321.98	3634975.90	39.71966	(19022319)	505421.98	3634975.90	45.64716	(20081401)
505521.98	3634975.90	40.47375	(21012820)	505621.98	3634975.90	38.95692	(21012820)
505721.98	3634975.90	35.94293	(21012820)	501721.98	3635075.90	30.64565	(21012721)
501821.98	3635075.90	18.17077	(21121021)	501921.98	3635075.90	42.26460	(21121021)
502021.98	3635075.90	39.55658	(21121021)	502121.98	3635075.90	11.56375	(19050903)
505321.98	3635075.90	35.31388	(19030607)	505421.98	3635075.90	40.16905	(19042006)
505521.98	3635075.90	40.91274	(20081401)	505621.98	3635075.90	38.34580	(20081401)
505721.98	3635075.90	38.98840	(20081401)	501721.98	3635175.90	33.17383	(21121021)
501821.98	3635175.90	33.78922	(19110921)	501921.98	3635175.90	42.14910	(19110921)
502021.98	3635175.90	42.65351	(21112918)	502121.98	3635175.90	38.17669	(21112918)
505321.98	3635175.90	35.64721	(19022007)	505421.98	3635175.90	32.21695	(19022007)
505521.98	3635175.90	28.95645	(19042006)	505621.98	3635175.90	31.74147	(19042006)
505721.98	3635175.90	32.30059	(19042006)	501721.98			

3635275.90   34.74855 (19100422)
        501821.98   3635275.90   39.81834 (21112918)   501921.98
3635275.90   40.92789 (21112918)
        502021.98   3635275.90   43.66574 (19122123)   502121.98
3635275.90   43.23872 (20021924)
        505621.98   3635275.90   23.96611 (19022007)   505721.98
3635275.90   21.64491 (19022007)
        501721.98   3635375.90   29.52487 (21040701)   501821.98
3635375.90   36.68205 (20021924)
        501921.98   3635375.90   40.54076 (20021924)   502021.98
3635375.90   43.37771 (19012720)
        502121.98   3635375.90   40.44300 (21011719)   505621.98
3635375.90   20.82743 (20010802)
        501721.98   3635475.90   28.25116 (19012720)   501821.98
3635475.90   31.37953 (19012720)
        501921.98   3635475.90   33.75617 (21020304)   502021.98
3635475.90   38.39726 (19111006)
        502121.98   3635475.90   41.16128 (19111006)   505621.98
3635475.90   4.73656 (20092620)
        505721.98   3635475.90   4.14775 (20092620)   501721.98
3635575.90   27.36444 (21011719)
        501821.98   3635575.90   31.09072 (21011719)   501921.98
3635575.90   32.50072 (19111006)
        502021.98   3635575.90   33.09795 (21111519)   502121.98
3635575.90   37.19260 (21052423)
        505321.98   3635575.90   28.69841 (19010822)   505421.98
3635575.90   9.33544 (21071520)
        505521.98   3635575.90   7.74616 (21071520)   505621.98
3635575.90   6.20672 (21071520)
        505721.98   3635575.90   4.83545 (21071520)   501721.98
3635675.90   26.41447 (21011719)
        501821.98   3635675.90   25.65975 (19120317)   501921.98
3635675.90   28.42006 (21052423)
        502021.98   3635675.90   33.33242 (19013101)   502121.98
3635675.90   36.36948 (19013101)
        505321.98   3635675.90   34.27612 (19102623)   505421.98
3635675.90   21.23224 (20022105)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010

,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3635675.90	8.87281	(21071520)	505621.98	3635675.90	7.59838	(21071520)
505721.98	3635675.90	6.28483	(21071520)	501721.98	3635775.90	25.71828	(19120317)
501821.98	3635775.90	27.61324	(19013101)	501921.98	3635775.90	33.13754	(19013101)
502021.98	3635775.90	31.76693	(19013101)	502121.98	3635775.90	36.14476	(20122320)
505321.98	3635775.90	35.63678	(19102623)	505421.98	3635775.90	35.20423	(19102623)
505521.98	3635775.90	25.89459	(19102623)	505621.98	3635775.90	20.49836	(19010822)
505721.98	3635775.90	21.14295	(19030707)	501721.98	3635875.90	26.64468	(19013101)
501821.98	3635875.90	30.57703	(19013101)	501921.98	3635875.90	30.29789	(20122320)
502021.98	3635875.90	33.91000	(20122320)	502121.98	3635875.90	35.80284	(21012023)
505321.98	3635875.90	24.14845	(21112623)	505421.98	3635875.90	30.84397	(19102623)
505521.98	3635875.90	32.80134	(19102623)	505621.98	3635875.90	26.44314	(19102623)
505721.98	3635875.90	22.87709	(19010822)	501721.98	3635975.90	24.47815	(19013101)
501821.98	3635975.90	29.06961	(20122320)	501921.98	3635975.90	30.29909	(20122320)
502021.98	3635975.90	32.92702	(21012023)	502121.98	3635975.90	27.55272	(20122721)
505321.98	3635975.90	30.33358	(20091421)	505421.98	3635975.90	21.86652	(20091421)
505521.98	3635975.90	26.65521	(19102623)	505621.98	3635975.90	30.71072	(19102623)
505721.98	3635975.90	25.99091	(19102623)	501721.98	3636075.90	26.13531	(20122320)
501821.98	3636075.90	27.14285	(21012023)	501921.98	3636075.90	29.32942	(21012023)
502021.98	3636075.90	26.21947	(20122721)	502121.98	3636075.90	33.06151	(20122721)

```
        502221.98   3636075.90       30.34871  (19031105)                502321.98
3636075.90       28.20142  (20040823)
        502421.98   3636075.90       32.31844  (21121424)                502521.98
3636075.90       36.05130  (21121424)
        502621.98   3636075.90       33.74260  (19112801)                502721.98
3636075.90       39.56734  (19121706)
        502821.98   3636075.90       33.98589  (19121706)                502921.98
3636075.90       34.11014  (21100523)
        503021.98   3636075.90       36.94633  (21021621)                503121.98
3636075.90       37.62674  (19050823)
        503221.98   3636075.90       40.00328  (21100603)                503321.98
3636075.90       41.24473  (20120224)
        503421.98   3636075.90       44.40840  (19072124)                503521.98
3636075.90       42.19835  (21021806)
        503621.98   3636075.90       37.88173  (19051020)                503721.98
3636075.90       45.83721  (21041324)
        503821.98   3636075.90       37.98370  (19072223)                503921.98
3636075.90       46.88224  (19072224)
        504021.98   3636075.90       43.79931  (19122420)                504121.98
3636075.90       36.93406  (20042420)
        504221.98   3636075.90       36.74177  (21120218)                504321.98
3636075.90       46.58163  (21013118)
        504421.98   3636075.90       35.04801  (19111019)                504521.98
3636075.90       33.54739  (20102221)
        504621.98   3636075.90       31.50297  (19060920)                504721.98
3636075.90       36.89613  (21121422)
        504821.98   3636075.90       36.72501  (21121422)                504921.98
3636075.90       33.02717  (21061321)
        505021.98   3636075.90       34.89292  (21090701)                505121.98
3636075.90       33.84387  (21090701)
        505221.98   3636075.90       33.68551  (21122618)                505321.98
3636075.90       33.94746  (21122618)
        505421.98   3636075.90       24.94203  (20091421)                505521.98
3636075.90       21.19899  (20091421)
        505621.98   3636075.90       23.55127  (19102623)                505721.98
3636075.90       27.62613  (19102623)
        501721.98   3636175.90       24.00478  (21012023)                501821.98
3636175.90       24.31933  (21012023)
        501921.98   3636175.90       24.81186  (20122721)                502021.98
3636175.90       30.35055  (20122721)
        502121.98   3636175.90       27.68773  (19031105)                502221.98
3636175.90       26.76327  (21101802)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 824
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502321.98	3636175.90	29.21206	(21121424)	502421.98	3636175.90	33.89163	(21121424)
502521.98	3636175.90	29.24854	(19112801)	502621.98	3636175.90	34.16961	(19121706)
502721.98	3636175.90	35.82149	(19121706)	502821.98	3636175.90	31.55457	(21100523)
502921.98	3636175.90	33.96685	(21021621)	503021.98	3636175.90	34.21099	(21112718)
503121.98	3636175.90	35.64618	(19050823)	503221.98	3636175.90	38.37584	(21100603)
503321.98	3636175.90	42.29036	(20120224)	503421.98	3636175.90	40.87023	(19072124)
503521.98	3636175.90	39.14281	(19051001)	503621.98	3636175.90	36.63952	(19051020)
503721.98	3636175.90	41.98588	(21041324)	503821.98	3636175.90	36.62370	(21031321)
503921.98	3636175.90	43.23132	(19072224)	504021.98	3636175.90	37.79974	(19072224)
504121.98	3636175.90	35.03056	(19050321)	504221.98	3636175.90	35.23693	(19050322)
504321.98	3636175.90	36.86938	(21013118)	504421.98	3636175.90	30.01014	(19100119)
504521.98	3636175.90	24.58782	(20050923)	504621.98	3636175.90	28.14296	(19060406)
504721.98	3636175.90	28.77920	(19061724)	504821.98	3636175.90	28.88902	(21121422)
504921.98	3636175.90	24.55870	(19032022)	505021.98	3636175.90	29.47688	(21061321)
505121.98	3636175.90	33.02981	(21090701)	505221.98	3636175.90	30.78511	(21090701)
505321.98	3636175.90	32.98529	(21122618)	505421.98	3636175.90	32.27744	(21122618)
505521.98	3636175.90	25.67084	(20091421)	505621.98			

```
3636175.90       20.48270  (20091421)
        505721.98   3636175.90       20.38763  (19102623)                501721.98
3636275.90       20.23380  (21012023)
        501821.98   3636275.90       22.59942  (20122721)                501921.98
3636275.90       27.65389  (20122721)
        502021.98   3636275.90       25.47567  (19031105)                502121.98
3636275.90       25.03472  (21101802)
        502221.98   3636275.90       25.66923  (21121424)                502321.98
3636275.90       32.33463  (21121424)
        502421.98   3636275.90       26.60945  (21121424)                502521.98
3636275.90       30.91561  (19112801)
        502621.98   3636275.90       35.15655  (19121706)                502721.98
3636275.90       27.69671  (20112321)
        502821.98   3636275.90       29.50095  (20070104)                502921.98
3636275.90       31.94251  (21021621)
        503021.98   3636275.90       31.25136  (19050823)                503121.98
3636275.90       32.71490  (19050823)
        503221.98   3636275.90       33.38623  (21100603)                503321.98
3636275.90       37.39329  (20120224)
        503421.98   3636275.90       35.01010  (19072124)                503521.98
3636275.90       36.36819  (19051001)
        503621.98   3636275.90       34.94969  (19051020)                503721.98
3636275.90       38.59801  (19072223)
        503821.98   3636275.90       34.27316  (21031321)                503921.98
3636275.90       38.83040  (19072224)
        504021.98   3636275.90       36.94670  (19072224)                504121.98
3636275.90       31.78021  (19070422)
        504221.98   3636275.90       29.05418  (20050822)                504321.98
3636275.90       22.77027  (21013118)
        504421.98   3636275.90       26.75774  (21013118)                504521.98
3636275.90       21.67051  (19080523)
        504621.98   3636275.90       21.21227  (20102221)                504721.98
3636275.90       24.53557  (19110518)
        504821.98   3636275.90       22.74440  (19081721)                504921.98
3636275.90       27.03643  (19032022)
        505021.98   3636275.90       27.46619  (21061321)                505121.98
3636275.90       26.65185  (19010920)
        505221.98   3636275.90       31.55137  (21090701)                505321.98
3636275.90       29.73626  (21081602)
        505421.98   3636275.90       31.18577  (21122618)                505521.98
3636275.90       29.62738  (21122618)
        505621.98   3636275.90       24.54107  (20091421)                505721.98
3636275.90       19.72540  (20091421)
        501721.98   3636375.90       20.74427  (20122721)                501821.98
3636375.90       24.70595  (20122721)
        501921.98   3636375.90       23.26416  (19031105)                502021.98
3636375.90       23.32077  (21101802)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLEN ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502121.98	3636375.90	23.67336	(19122519)	502221.98	3636375.90	30.12972	(21121424)
502321.98	3636375.90	26.57100	(21121424)	502421.98	3636375.90	29.04047	(19112801)
502521.98	3636375.90	32.50495	(19121706)	502621.98	3636375.90	28.07896	(19121706)
502721.98	3636375.90	28.08638	(21100523)	502821.98	3636375.90	29.68272	(21021621)
502921.98	3636375.90	29.53728	(21112718)	503021.98	3636375.90	31.71939	(19050823)
503121.98	3636375.90	31.35687	(21100603)	503221.98	3636375.90	28.55993	(19080122)
503321.98	3636375.90	30.20937	(20120224)	503421.98	3636375.90	30.77918	(20052321)
503521.98	3636375.90	32.80494	(19051001)	503621.98	3636375.90	32.49820	(19051020)
503721.98	3636375.90	35.68530	(19072223)	503821.98	3636375.90	31.74937	(21031321)
503921.98	3636375.90	33.95643	(19072224)	504021.98	3636375.90	34.86867	(19072224)
504121.98	3636375.90	26.99883	(19070422)	504221.98	3636375.90	24.34793	(19082724)
504321.98	3636375.90	20.85587	(20031823)	504421.98	3636375.90	27.50563	(21013118)
504521.98	3636375.90	20.54945	(19081120)	504621.98	3636375.90	19.41738	(19061821)
504721.98	3636375.90	21.24982	(19060406)	504821.98	3636375.90	18.98551	(19060920)

```
        504921.98   3636375.90       19.01848  (21050522)               505021.98
3636375.90       25.70817  (19032022)
        505121.98   3636375.90       26.42854  (21061321)               505221.98
3636375.90       25.47213  (19010920)
        505321.98   3636375.90       29.99238  (21090701)               505421.98
3636375.90       27.80718  (21081602)
        505521.98   3636375.90       29.05795  (21122618)               505621.98
3636375.90       27.68012  (21122618)
        505721.98   3636375.90       22.89670  (20091421)               501721.98
3636475.90       21.14041  (20122721)
        501821.98   3636475.90       19.78176  (19031105)               501921.98
3636475.90       21.56930  (21101802)
        502021.98   3636475.90       21.25158  (19122519)               502121.98
3636475.90       26.82145  (21121424)
        502221.98   3636475.90       25.85377  (21121424)               502321.98
3636475.90       26.42524  (19112801)
        502421.98   3636475.90       28.69724  (19121706)               502521.98
3636475.90       29.37843  (19121706)
        502621.98   3636475.90       25.10156  (21100523)               502721.98
3636475.90       26.09044  (20070104)
        502821.98   3636475.90       27.33298  (21021621)               502921.98
3636475.90       26.56090  (19070523)
        503021.98   3636475.90       28.68475  (19050823)               503121.98
3636475.90       28.77776  (21100603)
        503221.98   3636475.90       25.17263  (20120224)               503321.98
3636475.90       27.73049  (19072124)
        503421.98   3636475.90       27.45303  (20071122)               503521.98
3636475.90       28.81123  (19051001)
        503621.98   3636475.90       29.73281  (19051020)               503721.98
3636475.90       32.58794  (19072223)
        503821.98   3636475.90       28.57242  (21031321)               503921.98
3636475.90       29.16148  (19072224)
        504021.98   3636475.90       26.79386  (19072224)               504121.98
3636475.90       21.99883  (20020307)
        504221.98   3636475.90       22.75655  (19082724)               504321.98
3636475.90       20.34931  (21071621)
        504421.98   3636475.90       24.38721  (21013118)               504521.98
3636475.90       19.81653  (21013118)
        504621.98   3636475.90       18.87303  (21070321)               504721.98
3636475.90       18.27387  (21071021)
        504821.98   3636475.90       17.40336  (19060920)               504921.98
3636475.90       17.63255  (19061724)
        505021.98   3636475.90       22.81754  (21050522)               505121.98
3636475.90       21.56824  (21061321)
        505221.98   3636475.90       23.90692  (21061321)               505321.98
3636475.90       24.41543  (21090701)
        505421.98   3636475.90       27.84781  (21090701)               505521.98
3636475.90       25.91286  (21081602)
        505621.98   3636475.90       27.12987  (21122618)               505721.98
3636475.90       25.64203  (21122618)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633475.90	10.26801	(19010119)	502771.98	3633475.90	9.80940	(19010119)
502821.98	3633475.90	10.25925	(21030103)	502871.98	3633475.90	13.91627	(21030103)
502921.98	3633475.90	18.00041	(21030103)	502971.98	3633475.90	22.01981	(21030103)
503021.98	3633475.90	25.25540	(21030103)	503071.98	3633475.90	27.57635	(20121603)
503121.98	3633475.90	34.67514	(20121603)	503171.98	3633475.90	39.29082	(20121603)
503221.98	3633475.90	39.58907	(20121603)	503271.98	3633475.90	35.15630	(20121603)
503321.98	3633475.90	83.01102	(20092124)	503371.98	3633475.90	67.31212	(20090205)
503421.98	3633475.90	73.26225	(20111701)	503471.98	3633475.90	65.85728	(20111701)
503521.98	3633475.90	71.23694	(19081924)	503621.98	3633475.90	76.02062	(19101521)
503671.98	3633475.90	57.90944	(19091221)	503721.98	3633475.90	61.82638	(21020203)
503771.98	3633475.90	56.29365	(21020203)	503821.98	3633475.90	67.14024	(20082921)
503871.98	3633475.90	58.34768	(20081802)	503921.98	3633475.90	62.88139	(20022622)
503971.98	3633475.90	64.04498	(21013120)	504021.98			

3633475.90 59.97757 (19102905)
504071.98 3633475.90 61.63003 (19121107) 504121.98
3633475.90 61.69978 (21011620)
504171.98 3633475.90 61.01006 (21013021) 504221.98
3633475.90 58.78898 (21120723)
504271.98 3633475.90 55.71932 (20073020) 504321.98
3633475.90 56.68948 (21011323)
504371.98 3633475.90 55.16214 (21010102) 504421.98
3633475.90 53.67012 (19022705)
504471.98 3633475.90 53.47145 (21021820) 504521.98
3633475.90 52.56860 (21011520)
504571.98 3633475.90 50.41682 (21010522) 504621.98
3633475.90 48.53202 (20122923)
504671.98 3633475.90 45.24633 (20100121) 504721.98
3633475.90 46.44369 (21022502)
502721.98 3633525.90 11.34542 (19010119) 502771.98
3633525.90 11.17111 (19010119)
502821.98 3633525.90 10.71313 (19010119) 502871.98
3633525.90 11.21547 (21030103)
502921.98 3633525.90 15.34534 (21030103) 502971.98
3633525.90 19.94488 (21030103)
503021.98 3633525.90 24.38134 (21030103) 503071.98
3633525.90 27.76865 (21030103)
503121.98 3633525.90 31.96489 (20121603) 503171.98
3633525.90 39.32539 (20121603)
503221.98 3633525.90 43.08675 (20121603) 503271.98
3633525.90 41.38318 (20121603)
503321.98 3633525.90 35.32888 (21063005) 503371.98
3633525.90 81.51271 (20092124)
503421.98 3633525.90 76.07094 (20111701) 503471.98
3633525.90 81.20831 (20111701)
503521.98 3633525.90 82.61415 (19081924) 503621.98
3633525.90 87.13240 (19101521)
503671.98 3633525.90 74.82842 (21090401) 503721.98
3633525.90 81.14981 (20050102)
503771.98 3633525.90 68.73842 (20082921) 503821.98
3633525.90 77.33720 (20082921)
503871.98 3633525.90 68.52078 (20081802) 503921.98
3633525.90 70.97470 (20022622)
503971.98 3633525.90 68.06321 (21011302) 504021.98
3633525.90 66.12913 (19102905)
504071.98 3633525.90 66.82390 (20022403) 504121.98
3633525.90 66.87026 (21013021)
504171.98 3633525.90 65.80799 (20073022) 504221.98
3633525.90 63.95382 (20073020)
504271.98 3633525.90 58.78123 (21011323) 504321.98
3633525.90 58.39809 (21010102)
504371.98 3633525.90 57.43021 (20011902) 504421.98
3633525.90 58.04269 (21021820)
504471.98 3633525.90 56.96047 (21011520) 504521.98

3633525.90   54.30546 (21010522)
        504571.98   3633525.90   51.85980 (20122923)   504621.98
3633525.90   47.94522 (20100121)
        504671.98   3633525.90   49.67300 (21022502)   504721.98
3633525.90   44.98104 (19120104)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                   INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502721.98   3633575.90   13.26644 (21111004)   502771.98
3633575.90   12.30170 (19010119)
        502821.98   3633575.90   12.20562 (19010119)   502871.98
3633575.90   11.77413 (19010119)
        502921.98   3633575.90   12.30821 (21030103)   502971.98
3633575.90   17.00340 (21030103)
        503021.98   3633575.90   22.20861 (21030103)   503071.98
3633575.90   27.11347 (21030103)
        503121.98   3633575.90   30.59691 (21030103)   503171.98
3633575.90   37.09423 (20121603)
        503221.98   3633575.90   44.45234 (20121603)   503271.98
3633575.90   46.72793 (20121603)
        503321.98   3633575.90   42.39630 (20121603)   503371.98
3633575.90   86.58081 (20092124)
        503421.98   3633575.90   75.46906 (20082723)   503471.98
3633575.90   87.85728 (20082723)
        503521.98   3633575.90   104.90400 (19081924)   503621.98
3633575.90   92.58265 (19110606)
        503671.98   3633575.90   89.92963 (21090401)   503721.98
3633575.90   94.72731 (20050102)

503771.98 3633575.90 82.10107 (21020203) 503821.98 3633575.90 96.56116 (20082921)
503871.98 3633575.90 81.71350 (20032501) 503921.98 3633575.90 84.05527 (20022622)
503971.98 3633575.90 76.18184 (21011302) 504021.98 3633575.90 75.89456 (19102905)
504071.98 3633575.90 73.78284 (20081021) 504121.98 3633575.90 79.47888 (21013021)
504171.98 3633575.90 74.36033 (20073022) 504221.98 3633575.90 73.97872 (20073020)
504271.98 3633575.90 64.37056 (21011323) 504321.98 3633575.90 62.88159 (20011902)
504371.98 3633575.90 61.93925 (19022705) 504421.98 3633575.90 60.66116 (21011520)
504471.98 3633575.90 58.11362 (21010522) 504521.98 3633575.90 55.59817 (20122923)
504571.98 3633575.90 51.06895 (20100121) 504621.98 3633575.90 53.27271 (21022502)
504671.98 3633575.90 48.36389 (20021702) 504721.98 3633575.90 49.26428 (20021702)
502721.98 3633625.90 15.93395 (21111004) 502771.98 3633625.90 14.98075 (21111004)
502821.98 3633625.90 13.60807 (21111004) 502871.98 3633625.90 13.38196 (19010119)
502921.98 3633625.90 12.96270 (19010119) 502971.98 3633625.90 13.57168 (21030103)
503021.98 3633625.90 18.95507 (21030103) 503071.98 3633625.90 24.85977 (21030103)
503121.98 3633625.90 30.26905 (21030103) 503171.98 3633625.90 33.82544 (21030103)
503221.98 3633625.90 43.11303 (20121603) 503271.98 3633625.90 49.93244 (20121603)
503321.98 3633625.90 49.85252 (20121603) 503371.98 3633625.90 42.20951 (20121603)
503421.98 3633625.90 83.36476 (20092124) 503471.98 3633625.90 89.68317 (20082723)
503521.98 3633625.90 97.84254 (19081924) 503621.98 3633625.90 99.52460 (19110606)
503671.98 3633625.90 96.91331 (19101521) 503721.98 3633625.90 102.51712 (20050102)
503771.98 3633625.90 90.38534 (21020203) 503821.98 3633625.90 109.00285 (20082921)
503871.98 3633625.90 88.41017 (20032501) 503921.98 3633625.90 90.47734 (20022622)
503971.98 3633625.90 85.03418 (19102905) 504021.98 3633625.90 84.62476 (20081021)
504071.98 3633625.90 80.28331 (21011620) 504121.98 3633625.90 86.29089 (21013021)
504171.98 3633625.90 82.98052 (20073020) 504221.98 3633625.90 76.95159 (21011323)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504271.98	3633625.90	69.98512	(21010102)	504321.98	3633625.90	65.51265	(19022705)
504371.98	3633625.90	64.33788	(20121007)	504421.98	3633625.90	62.26889	(19121906)
504471.98	3633625.90	60.73026	(19122301)	504521.98	3633625.90	54.90273	(20100121)
504571.98	3633625.90	57.12556	(21022502)	504621.98	3633625.90	52.70158	(20021702)
504671.98	3633625.90	52.89073	(20020804)	504721.98	3633625.90	50.04867	(21010922)
502721.98	3633675.90	18.15192	(21111004)	502771.98	3633675.90	17.82318	(21111004)
502821.98	3633675.90	16.95313	(21111004)	502871.98	3633675.90	15.55974	(21111004)
502921.98	3633675.90	14.76100	(19010119)	502971.98	3633675.90	14.39638	(19010119)
503021.98	3633675.90	15.05370	(21030103)	503071.98	3633675.90	21.23659	(21030103)
503121.98	3633675.90	28.00662	(21030103)	503171.98	3633675.90	34.01324	(21030103)
503221.98	3633675.90	38.86713	(20121603)	503271.98	3633675.90	50.06676	(20121603)
503321.98	3633675.90	55.57507	(20121603)	503371.98	3633675.90	52.21325	(20121603)
503421.98	3633675.90	45.81895	(21063005)	503471.98			

3633675.90 49.95145 (20102407)
503521.98 3633675.90 78.67734 (20111701) 503571.98
3633675.90 130.06846 (19081924)
503671.98 3633675.90 107.73577 (19101521) 503721.98
3633675.90 109.97805 (20050102)
503771.98 3633675.90 112.65928 (20082503) 503821.98
3633675.90 119.83638 (20082921)
503871.98 3633675.90 95.34133 (19032124) 503921.98
3633675.90 102.74683 (21013120)
503971.98 3633675.90 99.50359 (19102905) 504021.98
3633675.90 96.79926 (20081021)
504071.98 3633675.90 98.84733 (21013021) 504121.98
3633675.90 93.99324 (20073022)
504171.98 3633675.90 91.29833 (20073020) 504221.98
3633675.90 87.06300 (21011323)
504271.98 3633675.90 82.35506 (20080120) 504321.98
3633675.90 70.60728 (21021820)
504371.98 3633675.90 67.26166 (21011520) 504421.98
3633675.90 65.75233 (19122301)
504471.98 3633675.90 59.09760 (20100121) 504521.98
3633675.90 61.59013 (21022502)
504571.98 3633675.90 57.54375 (20021702) 504621.98
3633675.90 57.21862 (20020804)
504671.98 3633675.90 55.11970 (20081803) 504721.98
3633675.90 52.90924 (20111118)
502721.98 3633725.90 19.51116 (21111004) 502771.98
3633725.90 20.02182 (21111004)
502821.98 3633725.90 19.95078 (21111004) 502871.98
3633725.90 19.26137 (21111004)
502921.98 3633725.90 17.93239 (21111004) 502971.98
3633725.90 16.37796 (19010119)
503021.98 3633725.90 16.03303 (19010119) 503071.98
3633725.90 16.78102 (21030103)
503121.98 3633725.90 23.98948 (21030103) 503171.98
3633725.90 31.80498 (21030103)
503221.98 3633725.90 38.45456 (21030103) 503271.98
3633725.90 46.43751 (20121603)
503321.98 3633725.90 57.96811 (20121603) 503371.98
3633725.90 61.07169 (20121603)
503421.98 3633725.90 53.07437 (20121603) 503471.98
3633725.90 52.52096 (20102407)
503521.98 3633725.90 55.28338 (20102407) 503571.98
3633725.90 110.46668 (19081924)
503721.98 3633725.90 138.55240 (21090401) 503771.98
3633725.90 131.15106 (20082503)
503821.98 3633725.90 127.58303 (20082921) 503871.98
3633725.90 109.81310 (19032124)
503921.98 3633725.90 115.38224 (21013120) 503971.98
3633725.90 110.06319 (19102905)
504021.98 3633725.90 103.77506 (20081021) 504071.98

3633725.90   109.52718 (21013021)
        504121.98   3633725.90   102.33195 (20073020)   504171.98
3633725.90   101.38756 (21011323)
        504221.98   3633725.90   96.71140 (20011902)   504271.98
3633725.90   93.65798 (21021820)
        504321.98   3633725.90   78.08347 (21011520)   504371.98
3633725.90   70.86445 (19122301)
        504421.98   3633725.90   64.73995 (20122923)   504471.98
3633725.90   66.86350 (21022502)
        504521.98   3633725.90   63.17353 (20021702)   504571.98
3633725.90   62.56212 (20081805)
        504621.98   3633725.90   66.10140 (20081803)   504671.98
3633725.90   62.40910 (20111118)
        504721.98   3633725.90   56.31632 (20111118)   502721.98
3633775.90   19.66541 (21111004)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

503271.98 3633775.90 43.72959 (21030103) 503321.98
3633775.90 55.67596 (20121603)
503371.98 3633775.90 66.66258 (20121603) 503421.98
3633775.90 65.63339 (20121603)
503471.98 3633775.90 56.15489 (21063005) 503771.98
3633775.90 154.72223 (20082503)
503821.98 3633775.90 135.80827 (20082921) 503871.98
3633775.90 128.80141 (20022622)
503921.98 3633775.90 124.48367 (21011302) 503971.98
3633775.90 116.40025 (19102905)
504021.98 3633775.90 117.58848 (21013021) 504071.98
3633775.90 120.77261 (21120723)
504121.98 3633775.90 110.48299 (20112022) 504171.98
3633775.90 114.55150 (21010102)
504221.98 3633775.90 109.23002 (19022705) 504271.98
3633775.90 101.82535 (21011520)
504321.98 3633775.90 85.43594 (21010522) 504371.98
3633775.90 79.58820 (20080623)
504421.98 3633775.90 74.27471 (21022502) 504471.98
3633775.90 72.00611 (20081805)
504521.98 3633775.90 76.65300 (20081805) 504571.98
3633775.90 80.53631 (20081803)
504621.98 3633775.90 74.55140 (20111118) 504671.98
3633775.90 69.08870 (21011418)
504721.98 3633775.90 68.01463 (21011418) 502721.98
3633825.90 18.49431 (21111004)
502771.98 3633825.90 20.68351 (21111004) 502821.98
3633825.90 22.64890 (21111004)
502871.98 3633825.90 24.17332 (21111004) 502921.98
3633825.90 25.09002 (21111004)
502971.98 3633825.90 25.08931 (21111004) 503021.98
3633825.90 24.03141 (21111004)
503071.98 3633825.90 21.90353 (21111004) 503121.98
3633825.90 20.42228 (19010119)
503171.98 3633825.90 21.35404 (21030103) 503221.98
3633825.90 31.47456 (21030103)
503271.98 3633825.90 42.16559 (21030103) 503771.98
3633825.90 185.91492 (20082503)
503821.98 3633825.90 166.01918 (20080822) 503871.98
3633825.90 146.55690 (20022622)
503921.98 3633825.90 134.36611 (21011302) 503971.98
3633825.90 131.52313 (20022403)
504021.98 3633825.90 146.20939 (21013021) 504071.98
3633825.90 130.47756 (21120723)
504121.98 3633825.90 130.02872 (21011323) 504171.98
3633825.90 126.19979 (20011902)
504221.98 3633825.90 120.23590 (20121007) 504271.98
3633825.90 113.88766 (21010522)
504321.98 3633825.90 103.63509 (20122923) 504371.98
3633825.90 95.91745 (19022722)

```
        504421.98   3633825.90       96.36450  (20081805)                504471.98
3633825.90       93.03033  (20081803)
        504521.98   3633825.90       90.40272  (20081803)                504571.98
3633825.90       84.63341  (20111118)
        504621.98   3633825.90       83.07995  (21011418)                504671.98
3633825.90       76.53087  (21011418)
        504721.98   3633825.90       63.11896  (21011418)                502721.98
3633875.90       17.41206  (21012320)
        502771.98   3633875.90       18.77822  (21111004)                502821.98
3633875.90       21.50698  (21111004)
        502871.98   3633875.90       24.11189  (21111004)                502921.98
3633875.90       26.44604  (21111004)
        502971.98   3633875.90       28.04198  (21111004)                503021.98
3633875.90       28.66544  (21111004)
        503071.98   3633875.90       28.05047  (21111004)                503121.98
3633875.90       25.99031  (21111004)
        503171.98   3633875.90       23.33854  (19010119)                503221.98
3633875.90       24.41291  (21030103)
        503271.98   3633875.90       36.65378  (21030103)                503821.98
3633875.90      183.45759  (20080822)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 830
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        503871.98   3633875.90      162.45176  (20022622)                503921.98
3633875.90      153.76800  (19102905)
        503971.98   3633875.90      175.61136  (20032321)                504021.98
3633875.90      157.64684  (19033021)
        504071.98   3633875.90      139.76774  (21060903)                504121.98
```

3633875.90 142.30766 (21010102)
504171.98 3633875.90 138.43448 (21021820) 504221.98
3633875.90 129.93102 (21010522)
504271.98 3633875.90 121.63226 (20122923) 504321.98
3633875.90 112.51308 (19022722)
504371.98 3633875.90 120.45177 (20081805) 504421.98
3633875.90 113.32025 (20081803)
504471.98 3633875.90 102.05163 (20081803) 504521.98
3633875.90 97.61823 (20082222)
504571.98 3633875.90 95.88476 (21011418) 504621.98
3633875.90 82.78279 (21011418)
504671.98 3633875.90 68.99383 (20081722) 504721.98
3633875.90 66.44751 (21011724)
502721.98 3633925.90 24.18849 (21012320) 502771.98
3633925.90 22.69822 (21012320)
502821.98 3633925.90 20.72752 (21012320) 502871.98
3633925.90 22.03722 (21111004)
502921.98 3633925.90 25.45110 (21111004) 502971.98
3633925.90 28.58679 (21111004)
503021.98 3633925.90 31.17776 (21111004) 503071.98
3633925.90 32.76369 (21111004)
503121.98 3633925.90 32.84657 (21111004) 503171.98
3633925.90 31.10661 (21111004)
503221.98 3633925.90 27.47067 (21111004) 503271.98
3633925.90 28.18696 (21030103)
503821.98 3633925.90 198.23637 (21082504) 503871.98
3633925.90 186.94215 (19050105)
503921.98 3633925.90 172.83778 (21022205) 503971.98
3633925.90 200.41073 (20032321)
504021.98 3633925.90 197.94693 (19033021) 504071.98
3633925.90 161.55560 (21060903)
504121.98 3633925.90 155.00322 (19022705) 504171.98
3633925.90 148.19645 (21011520)
504221.98 3633925.90 140.35308 (21082503) 504271.98
3633925.90 133.54849 (21060824)
504321.98 3633925.90 159.84642 (20081805) 504371.98
3633925.90 145.01331 (20081803)
504421.98 3633925.90 119.78445 (20081803) 504471.98
3633925.90 116.53922 (20081603)
504521.98 3633925.90 103.57304 (21011418) 504571.98
3633925.90 84.45053 (20021024)
504621.98 3633925.90 78.32972 (21122302) 504671.98
3633925.90 73.73181 (21021921)
504721.98 3633925.90 69.68175 (21011720) 502721.98
3633975.90 30.14982 (21012320)
502771.98 3633975.90 29.87325 (21012320) 502821.98
3633975.90 28.95404 (21012320)
502871.98 3633975.90 27.46304 (21012320) 502921.98
3633975.90 25.19995 (21012320)
502971.98 3633975.90 26.31182 (21111004) 503021.98

3633975.90   30.56073 (21111004)
        503071.98   3633975.90   34.43119 (21111004)   503121.98
3633975.90   37.34275 (21111004)
        503171.98   3633975.90   38.58738 (21111004)   503221.98
3633975.90   37.53656 (21111004)
        503271.98   3633975.90   33.85438 (21111004)   503821.98
3633975.90   201.25092 (21082504)
        503871.98   3633975.90   193.35348 (21013120)   503921.98
3633975.90   127.96665 (21022105)
        503971.98   3633975.90   181.89053 (20032321)   504021.98
3633975.90   187.22119 (21060903)
        504071.98   3633975.90   169.91846 (20011902)   504121.98
3633975.90   164.77727 (21011520)
        504171.98   3633975.90   171.95096 (21082503)   504221.98
3633975.90   170.28801 (21060824)
        504271.98   3633975.90   197.83939 (20081805)   504321.98
3633975.90   182.53188 (20081803)
        504371.98   3633975.90   149.16731 (20081603)   504421.98
3633975.90   136.35127 (20081603)
        504471.98   3633975.90   106.39065 (21011418)   504521.98
3633975.90   91.98277 (21122302)
        504571.98   3633975.90   85.30981 (21011724)   504621.98
3633975.90   80.36871 (21011720)
        504671.98   3633975.90   73.30099 (21011221)   504721.98
3633975.90   66.61137 (20121406)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        502721.98   3634025.90       33.52440  (21012320)               502771.98
3634025.90       35.00950  (21012320)
        502821.98   3634025.90       35.86871  (21012320)               502871.98
3634025.90       36.08248  (21012320)
        502921.98   3634025.90       35.41563  (21012320)               502971.98
3634025.90       33.79510  (21012320)
        503021.98   3634025.90       31.14970  (21012320)               503071.98
3634025.90       32.08673  (21111004)
        503121.98   3634025.90       37.56189  (21111004)               503171.98
3634025.90       42.34423  (21111004)
        503221.98   3634025.90       45.42258  (21111004)               503271.98
3634025.90       45.70071  (21111004)
        503871.98   3634025.90      143.74187  (21022105)               503921.98
3634025.90      142.00115  (20022403)
        503971.98   3634025.90      201.92469  (19033021)               504021.98
3634025.90      181.39064  (21010102)
        504071.98   3634025.90      179.44315  (21011520)               504121.98
3634025.90      173.89310  (21082503)
        504171.98   3634025.90      207.71726  (21060824)               504221.98
3634025.90      248.74508  (20081805)
        504271.98   3634025.90      213.52713  (20081803)               504321.98
3634025.90      196.54806  (20081603)
        504371.98   3634025.90      148.05815  (20081603)               504421.98
3634025.90      113.31815  (20021024)
        504471.98   3634025.90      103.41373  (21011724)               504521.98
3634025.90       95.67545  (21011720)
        504571.98   3634025.90       86.28517  (21011221)               504621.98
3634025.90       76.54745  (20021305)
        504671.98   3634025.90       71.70123  (20021723)               504721.98
3634025.90       67.65588  (19011606)
        502721.98   3634075.90       32.78926  (21012320)               502771.98
3634075.90       35.65261  (21012320)
        502821.98   3634075.90       38.48251  (21012320)               502871.98
3634075.90       41.08546  (21012320)
        502921.98   3634075.90       43.03442  (21012320)               502971.98
3634075.90       44.11179  (21012320)
        503021.98   3634075.90       44.15256  (21012320)               503071.98
3634075.90       42.64006  (21012320)
        503121.98   3634075.90       39.44803  (21012320)               503171.98
3634075.90       40.23034  (21111004)
        503221.98   3634075.90       47.49335  (21111004)               503271.98
3634075.90       53.38014  (21111004)
        503871.98   3634075.90      180.87953  (21022105)               503921.98
3634075.90      160.80537  (20050805)
        503971.98   3634075.90      170.51508  (21120804)               504021.98
3634075.90      202.61392  (21021820)
        504071.98   3634075.90      193.08197  (19122301)               504121.98
3634075.90      240.95442  (20081805)
        504171.98   3634075.90      295.48301  (20081805)               504221.98
3634075.90      255.65443  (20081603)
```

```
        504271.98   3634075.90      248.36644  (20081603)                504321.98
3634075.90      155.10395  (20081603)
        504371.98   3634075.90      135.43758  (21011724)                504421.98
3634075.90      120.61928  (21011720)
        504471.98   3634075.90      104.69583  (21011221)                504521.98
3634075.90       91.76010  (20021305)
        504571.98   3634075.90       83.18940  (20081804)                504621.98
3634075.90       76.51687  (20081804)
        504671.98   3634075.90       73.72929  (19121305)                504721.98
3634075.90       68.27762  (19121305)
        502721.98   3634125.90       28.03178  (21012320)                502771.98
3634125.90       31.62083  (21012320)
        502821.98   3634125.90       35.67547  (21012320)                502871.98
3634125.90       40.05623  (21012320)
        502921.98   3634125.90       44.34532  (21012320)                502971.98
3634125.90       48.51094  (21012320)
        503021.98   3634125.90       52.30401  (21012320)                503071.98
3634125.90       55.01710  (21012320)
        503121.98   3634125.90       56.23990  (21012320)                503171.98
3634125.90       55.34733  (21012320)
        503221.98   3634125.90       51.55410  (21012320)                503271.98
3634125.90       52.24337  (21111004)
        503921.98   3634125.90      202.14013  (21022020)                503971.98
3634125.90      198.59596  (21022803)
        504021.98   3634125.90      181.78655  (21021721)                504071.98
3634125.90      268.61980  (20081805)
        504121.98   3634125.90      254.03917  (20081803)                504171.98
3634125.90      302.30107  (20081603)
        504221.98   3634125.90      258.52759  (20081603)                504271.98
3634125.90      216.71304  (20080121)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 832
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3634125.90	164.82482	(20080721)	504371.98	3634125.90	144.30282	(20121406)
504421.98	3634125.90	123.88477	(20021723)	504471.98	3634125.90	106.81832	(20081804)
504521.98	3634125.90	97.34476	(20081804)	504571.98	3634125.90	85.99820	(19121305)
504621.98	3634125.90	77.93601	(19011923)	504671.98	3634125.90	72.23790	(19012803)
504721.98	3634125.90	67.75019	(21121821)	502721.98	3634175.90	26.85379	(19083104)
502771.98	3634175.90	27.68770	(19083104)	502821.98	3634175.90	28.43546	(19083104)
502871.98	3634175.90	33.05333	(21012320)	502921.98	3634175.90	38.32944	(21012320)
502971.98	3634175.90	44.25944	(21012320)	503021.98	3634175.90	50.84429	(21012320)
503071.98	3634175.90	57.52505	(21012320)	503121.98	3634175.90	64.07410	(21012320)
503171.98	3634175.90	69.67135	(21012320)	503221.98	3634175.90	73.17366	(21012320)
503271.98	3634175.90	73.92375	(21012320)	503971.98	3634175.90	235.81161	(21021721)
504021.98	3634175.90	209.02105	(21010724)	504071.98	3634175.90	188.17108	(21020424)
504121.98	3634175.90	164.85420	(20020722)	504171.98	3634175.90	148.84715	(19012124)
504221.98	3634175.90	203.11698	(20080721)	504271.98	3634175.90	215.51245	(21040622)
504321.98	3634175.90	191.46522	(21081123)	504371.98	3634175.90	149.66481	(19121305)
504421.98	3634175.90	117.91781	(19121305)	504471.98	3634175.90	103.35417	(20082223)
504521.98	3634175.90	91.59219	(19012803)	504571.98	3634175.90	85.57310	(21121821)
504621.98	3634175.90	80.59522	(20121224)	504671.98	3634175.90	74.70019	(20020703)
504721.98	3634175.90	70.29219	(20020703)	502721.98	3634225.90	29.51709	(19083104)
502771.98	3634225.90	31.38000	(19083104)	502821.98	3634225.90	33.31686	(19083104)
502871.98	3634225.90	35.26515	(19083104)	502921.98	3634225.90	37.14081	(19083104)
502971.98	3634225.90	38.99950	(19083104)	503021.98	3634225.90	40.78185	(19083104)
503071.98	3634225.90	47.75058	(21012320)	503121.98			

3634225.90   56.98943 (21012320)
        503171.98   3634225.90   67.34995 (21012320)   503221.98
3634225.90   78.55411 (21012320)
        503271.98   3634225.90   89.95237 (21012320)   504071.98
3634225.90   212.45162 (20021502)
        504121.98   3634225.90   189.93389 (21121223)   504171.98
3634225.90   160.68480 (21022221)
        504221.98   3634225.90   146.52652 (21020122)   504271.98
3634225.90   218.05718 (21081123)
        504321.98   3634225.90   218.54572 (20081502)   504371.98
3634225.90   140.05600 (19012803)
        504421.98   3634225.90   109.98804 (21121821)   504471.98
3634225.90   100.66341 (20020703)
        504521.98   3634225.90   92.28025 (20020703)   504571.98
3634225.90   81.65117 (21022324)
        504621.98   3634225.90   80.28173 (21122121)   504671.98
3634225.90   77.99494 (21122121)
        504721.98   3634225.90   73.07333 (20121803)   502721.98
3634275.90   28.34759 (19083104)
        502771.98   3634275.90   30.71298 (19083104)   502821.98
3634275.90   33.38693 (19083104)
        502871.98   3634275.90   36.39937 (19083104)   502921.98
3634275.90   39.49535 (19083104)
        502971.98   3634275.90   42.92088 (19083104)   503021.98
3634275.90   46.83875 (19083104)
        503071.98   3634275.90   50.96118 (19083104)   503121.98
3634275.90   55.34177 (19083104)
        503171.98   3634275.90   59.93546 (19083104)   503221.98
3634275.90   64.51603 (19083104)
        503271.98   3634275.90   77.02161 (21012320)   504121.98
3634275.90   208.81072 (21020122)
        504171.98   3634275.90   175.01534 (21010422)   504221.98
3634275.90   265.38843 (20090623)
        504271.98   3634275.90   232.69849 (20090623)   504321.98
3634275.90   219.86244 (20080102)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504371.98	3634275.90	150.44636	(21122121)	504421.98	3634275.90	120.36166	(21122121)
504471.98	3634275.90	105.39124	(20121803)	504521.98	3634275.90	97.91426	(20121803)
504571.98	3634275.90	90.37101	(21122201)	504621.98	3634275.90	83.84281	(21122201)
504671.98	3634275.90	77.55924	(19021906)	504721.98	3634275.90	72.09710	(19021906)
502721.98	3634325.90	23.42891	(19083104)	502771.98	3634325.90	25.71822	(19083104)
502821.98	3634325.90	28.28213	(19083104)	502871.98	3634325.90	31.63998	(19083104)
502971.98	3634325.90	38.74690	(19083104)	503021.98	3634325.90	43.32199	(19083104)
503071.98	3634325.90	48.62848	(19083104)	503121.98	3634325.90	54.77925	(19083104)
503171.98	3634325.90	62.05772	(19083104)	503221.98	3634325.90	70.67648	(19083104)
503271.98	3634325.90	81.00625	(19083104)	504171.98	3634325.90	180.70886	(21010620)
504221.98	3634325.90	292.90504	(20081301)	504271.98	3634325.90	229.61195	(20081301)
504321.98	3634325.90	215.01984	(20073024)	504371.98	3634325.90	164.71690	(20073024)
504421.98	3634325.90	126.59378	(20013123)	504471.98	3634325.90	107.30476	(20013123)
504521.98	3634325.90	97.66232	(20013123)	504571.98	3634325.90	91.06408	(20013123)
504621.98	3634325.90	82.89445	(20013123)	504671.98	3634325.90	74.88262	(20013123)
504721.98	3634325.90	70.64784	(21013019)	502721.98	3634375.90	29.58665	(21021102)
502771.98	3634375.90	31.71137	(21021102)	502821.98	3634375.90	33.96568	(21021102)
503021.98	3634375.90	47.04149	(21021102)	503071.98	3634375.90	51.70390	(21021102)
503121.98	3634375.90	56.87171	(21021102)	503171.98	3634375.90	62.91171	(21021102)
503221.98	3634375.90	70.28150	(21021102)	503271.98	3634375.90	79.24259	(21021102)

```
        504221.98   3634375.90      282.58105  (20082306)                504271.98
3634375.90      259.87715  (20082306)
        504321.98   3634375.90      233.92069  (20082306)                504371.98
3634375.90      189.31753  (20082306)
        504421.98   3634375.90      122.91104  (20082306)                504471.98
3634375.90      106.60023  (19122101)
        504521.98   3634375.90       99.48850  (19122101)                504571.98
3634375.90       92.21569  (19122101)
        504621.98   3634375.90       85.20906  (19122101)                504671.98
3634375.90       79.54872  (21021007)
        504721.98   3634375.90       74.63189  (21021007)                502721.98
3634425.90       36.34783  (21021102)
        502771.98   3634425.90       38.96804  (21021102)                502821.98
3634425.90       41.90366  (21021102)
        504271.98   3634425.90      130.85946  (21011518)                504321.98
3634425.90      214.01713  (20082306)
        504371.98   3634425.90      211.00544  (20082306)                504421.98
3634425.90      135.46889  (20082306)
        504471.98   3634425.90       99.56591  (20011720)                504521.98
3634425.90       92.86100  (21032906)
        504571.98   3634425.90       85.96716  (21032906)                504621.98
3634425.90       79.60250  (21032906)
        504671.98   3634425.90       74.38939  (21032906)                504721.98
3634425.90       70.19179  (21101921)
        502721.98   3634475.90       37.40851  (21021102)                502771.98
3634475.90       39.89729  (21021102)
        502821.98   3634475.90       42.54638  (21021102)                504321.98
3634475.90       95.85509  (21101422)
        504371.98   3634475.90      118.98358  (21090306)                504421.98
3634475.90      141.64103  (20041201)
        504471.98   3634475.90      139.17570  (20041201)                504521.98
3634475.90      117.75679  (20041201)
        504571.98   3634475.90      104.62884  (20041201)                504621.98
3634475.90       94.14476  (20041201)
        504671.98   3634475.90       77.61155  (20041201)                504721.98
3634475.90       70.79336  (21013119)
        502721.98   3634525.90       31.97505  (21021102)                502771.98
3634525.90       33.27432  (21021102)
        504371.98   3634525.90       92.89268  (21020220)                504421.98
3634525.90       81.38997  (21020220)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 834
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
```

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504471.98	3634525.90	139.59063	(21012820)	504521.98	3634525.90	108.14979	(20081806)
504571.98	3634525.90	103.28321	(20081806)	504621.98	3634525.90	94.35916	(20041201)
504671.98	3634525.90	84.46383	(20041201)	504721.98	3634525.90	73.20976	(20041201)
502721.98	3634575.90	28.85960	(19050903)	502771.98	3634575.90	31.98835	(19050903)
504421.98	3634575.90	77.73554	(21020220)	504471.98	3634575.90	73.07523	(21020220)
504521.98	3634575.90	67.69326	(21020220)	504571.98	3634575.90	134.68708	(21012820)
504621.98	3634575.90	103.61460	(21012820)	504671.98	3634575.90	97.34896	(20081806)
504721.98	3634575.90	88.36448	(20081806)	502721.98	3634625.90	32.69336	(19050903)
502771.98	3634625.90	35.19877	(19050903)	502821.98	3634625.90	37.79806	(19050903)
502871.98	3634625.90	40.27379	(19050903)	502921.98	3634625.90	42.56003	(19050903)
502971.98	3634625.90	44.55628	(19050903)	503021.98	3634625.90	46.05160	(19050903)
503071.98	3634625.90	46.79809	(19050903)	503121.98	3634625.90	46.49361	(19050903)
504471.98	3634625.90	55.65300	(21020220)	504521.98	3634625.90	56.18918	(21020220)
504571.98	3634625.90	55.40648	(21020220)	504621.98	3634625.90	100.38992	(20082303)
504671.98	3634625.90	95.70440	(21012820)	504721.98	3634625.90	83.44928	(21012820)
502721.98	3634675.90	31.92058	(19050903)	502771.98	3634675.90	33.12550	(19050903)
502821.98	3634675.90	34.08241	(19050903)	502871.98	3634675.90	34.62347	(19050903)
502921.98	3634675.90	34.66076	(19050903)	502971.98			

```
3634675.90       34.11950  (19050903)
        503021.98   3634675.90       35.61136  (20021724)                503071.98
3634675.90       43.85489  (20021724)
        503121.98   3634675.90       53.10223  (20021724)                503171.98
3634675.90       72.25476  (21011719)
        503221.98   3634675.90       96.84750  (21011719)                503271.98
3634675.90      114.55653  (21011719)
        503321.98   3634675.90      115.02091  (21011719)                503371.98
3634675.90      123.25395  (20022207)
        503421.98   3634675.90      136.16506  (20022207)                503471.98
3634675.90      146.09496  (21012023)
        503521.98   3634675.90      149.58132  (20040823)                504521.98
3634675.90       40.88820  (20082303)
        504571.98   3634675.90       42.13953  (20082303)                504621.98
3634675.90       41.57344  (20082303)
        504671.98   3634675.90       41.60111  (21020220)                504721.98
3634675.90       93.79711  (20082303)
        502721.98   3634725.90       27.02347  (19050903)                502771.98
3634725.90       26.81146  (19050903)
        502821.98   3634725.90       26.21579  (19050903)                502871.98
3634725.90       26.23059  (20021724)
        502921.98   3634725.90       31.80945  (20021724)                502971.98
3634725.90       38.01954  (20021724)
        503021.98   3634725.90       44.57064  (20021724)                503071.98
3634725.90       59.71901  (21011719)
        503121.98   3634725.90       77.22135  (21011719)                503171.98
3634725.90       90.36580  (21011719)
        503221.98   3634725.90       92.94582  (21011719)                503271.98
3634725.90       89.55520  (20022207)
        503321.98   3634725.90      105.66309  (20022207)                503371.98
3634725.90      110.48806  (21012023)
        503421.98   3634725.90      116.16624  (21012023)                503471.98
3634725.90      121.10645  (20040823)
        503521.98   3634725.90      135.42262  (21121424)                503571.98
3634725.90      143.80458  (19121706)
        503621.98   3634725.90      117.84104  (19121706)                504571.98
3634725.90       26.92449  (20082303)
        504621.98   3634725.90       30.05544  (20082303)                504671.98
3634725.90       32.09998  (20082303)
        504721.98   3634725.90       32.95925  (20082303)                502721.98
3634775.90       20.68388  (19120120)
        502771.98   3634775.90       24.00843  (20021724)                502821.98
3634775.90       28.45576  (20021724)
        502871.98   3634775.90       33.23953  (20021724)                502921.98
3634775.90       38.11240  (20021724)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502971.98	3634775.90	50.49305	(21011719)	503021.98	3634775.90	63.48970	(21011719)
503071.98	3634775.90	73.49143	(21011719)	503121.98	3634775.90	76.65392	(21011719)
503171.98	3634775.90	70.29093	(21011719)	503221.98	3634775.90	81.53281	(20022207)
503271.98	3634775.90	89.44832	(20022207)	503321.98	3634775.90	93.89919	(21012023)
503371.98	3634775.90	94.41563	(21012023)	503421.98	3634775.90	100.25070	(20040823)
503471.98	3634775.90	111.10962	(21121424)	503521.98	3634775.90	115.19647	(19121706)
503571.98	3634775.90	112.85501	(19121706)	503621.98	3634775.90	99.47648	(19020322)
503671.98	3634775.90	133.54533	(20120224)	503721.98	3634775.90	157.83480	(21021806)
503771.98	3634775.90	168.41860	(21012024)	503821.98	3634775.90	124.97974	(21012024)
504621.98	3634775.90	16.74067	(20082303)	504671.98	3634775.90	19.78811	(20082303)
504721.98	3634775.90	22.51179	(20082303)	502721.98	3634825.90	25.58721	(20021724)
502771.98	3634825.90	29.34584	(20021724)	502821.98	3634825.90	33.35984	(21011719)
502871.98	3634825.90	43.41136	(21011719)	502921.98	3634825.90	53.42048	(21011719)
502971.98	3634825.90	61.28257	(21011719)	503021.98	3634825.90	64.47521	(21011719)
503071.98	3634825.90	61.07688	(21011719)	503121.98	3634825.90	63.68353	(20022207)

503171.98 3634825.90 72.87673 (20022207) 503221.98 3634825.90 75.70519 (20022207)
503271.98 3634825.90 80.64043 (21012023) 503321.98 3634825.90 78.50455 (21012023)
503371.98 3634825.90 84.66925 (20040823) 503421.98 3634825.90 92.64651 (21121424)
503471.98 3634825.90 91.95435 (19121706) 503521.98 3634825.90 100.80607 (19121706)
503571.98 3634825.90 83.24120 (19020322) 503621.98 3634825.90 88.20170 (20120224)
503671.98 3634825.90 118.17125 (20120224) 503721.98 3634825.90 134.45727 (21021806)
503771.98 3634825.90 144.37515 (21012024) 503821.98 3634825.90 110.67837 (21012024)
503871.98 3634825.90 82.23773 (21013118) 503921.98 3634825.90 113.55670 (21013118)
504671.98 3634825.90 13.98959 (21071520) 504721.98 3634825.90 12.57578 (20082303)
502721.98 3634875.90 29.75425 (21011719) 502771.98 3634875.90 37.83540 (21011719)
502821.98 3634875.90 45.77667 (21011719) 502871.98 3634875.90 52.09572 (21011719)
502921.98 3634875.90 55.12656 (21011719) 502971.98 3634875.90 53.43437 (21011719)
503021.98 3634875.90 50.37308 (20022207) 503071.98 3634875.90 59.24498 (20022207)
503121.98 3634875.90 64.63821 (20022207) 503171.98 3634875.90 64.57709 (21012023)
503221.98 3634875.90 69.86856 (21012023) 503271.98 3634875.90 66.34457 (21012023)
503321.98 3634875.90 72.77840 (20040823) 503371.98 3634875.90 78.45170 (21121424)
503421.98 3634875.90 80.94311 (21121424) 503471.98 3634875.90 87.33954 (19121706)
503521.98 3634875.90 78.26404 (19121706) 503571.98 3634875.90 73.11107 (19020322)
503621.98 3634875.90 88.10432 (20120224) 503671.98 3634875.90 104.63012 (21021806)
503721.98 3634875.90 114.58924 (21021806) 503771.98 3634875.90 125.25087 (21012024)
503821.98 3634875.90 97.35058 (21012024) 503871.98 3634875.90 70.54263 (21041323)
503921.98 3634875.90 175.19538 (21060422) 504721.98 3634875.90 14.54657 (21071520)
502721.98 3634925.90 39.78773 (21011719) 502771.98 3634925.90 44.99675 (21011719)
502821.98 3634925.90 47.77903 (21011719) 502871.98 3634925.90 47.06856 (21011719)
502921.98 3634925.90 42.56576 (21011719) 502971.98 3634925.90 48.31198 (20022207)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503021.98	3634925.90	54.36953	(20022207)	503071.98	3634925.90	56.94791	(20022207)
503121.98	3634925.90	58.28690	(21012023)	503171.98	3634925.90	61.05098	(21012023)
503221.98	3634925.90	56.78816	(21012023)	503271.98	3634925.90	63.52955	(20040823)
503321.98	3634925.90	67.29818	(21121424)	503371.98	3634925.90	71.56756	(21121424)
503421.98	3634925.90	74.63254	(19121706)	503471.98	3634925.90	73.91863	(19121706)
503521.98	3634925.90	62.92821	(19020322)	503571.98	3634925.90	61.68427	(19020322)
503621.98	3634925.90	84.45041	(20120224)	503671.98	3634925.90	97.48904	(21021806)
503721.98	3634925.90	97.82287	(21021806)	503771.98	3634925.90	144.21138	(20071102)
503821.98	3634925.90	143.34674	(19013104)	503871.98	3634925.90	195.71075	(19122420)
502721.98	3634975.90	41.89291	(21011719)	502771.98	3634975.90	41.78072	(21011719)
502821.98	3634975.90	38.71971	(21011719)	502871.98	3634975.90	39.69725	(20022207)
502921.98	3634975.90	45.60808	(20022207)	502971.98	3634975.90	49.39542	(20022207)
503021.98	3634975.90	50.04009	(20022207)	503071.98			

```
3634975.90       52.58609  (21012023)
        503121.98   3634975.90       53.67079  (21012023)                503171.98
3634975.90       49.08837  (21012023)
        503221.98   3634975.90       55.97976  (20040823)                503271.98
3634975.90       58.38745  (21121424)
        503321.98   3634975.90       63.52543  (21121424)                503371.98
3634975.90       63.39276  (19121706)
        503421.98   3634975.90       67.58260  (19121706)                503471.98
3634975.90       57.43637  (19121706)
        503521.98   3634975.90       56.83386  (19020322)                503571.98
3634975.90       59.96226  (20120224)
        503621.98   3634975.90       78.61235  (20120224)                503671.98
3634975.90       89.81388  (21021806)
        503721.98   3634975.90      135.06959  (19101219)                503771.98
3634975.90      170.58910  (20071102)
        503821.98   3634975.90      151.54741  (21061222)                503871.98
3634975.90      156.22297  (19122420)
        502721.98   3635025.90       35.28710  (21011719)                502771.98
3635025.90       32.92039  (20022207)
        502821.98   3635025.90       38.34649  (20022207)                502871.98
3635025.90       42.58464  (20022207)
        502921.98   3635025.90       44.72555  (20022207)                502971.98
3635025.90       44.00891  (20022207)
        503021.98   3635025.90       47.54332  (21012023)                503071.98
3635025.90       47.50030  (21012023)
        503121.98   3635025.90       43.94502  (20040823)                503171.98
3635025.90       50.05124  (20040823)
        503221.98   3635025.90       51.32713  (20040823)                503271.98
3635025.90       56.59654  (21121424)
        503321.98   3635025.90       53.70271  (19121706)                503371.98
3635025.90       60.58389  (19121706)
        503421.98   3635025.90       56.22625  (19121706)                503471.98
3635025.90       49.97531  (19020322)
        503521.98   3635025.90       49.57290  (19020322)                503571.98
3635025.90       60.58106  (20120224)
        503621.98   3635025.90       71.60818  (20120224)                503671.98
3635025.90       81.79502  (21021806)
        503721.98   3635025.90      155.37114  (19101219)                503771.98
3635025.90      153.51954  (20071102)
        503821.98   3635025.90      120.27211  (21061222)                504371.98
3635025.90       43.53758  (20011620)
        502721.98   3635075.90       32.38067  (20022207)                502771.98
3635075.90       36.57424  (20022207)
        502821.98   3635075.90       39.43790  (20022207)                502871.98
3635075.90       40.31192  (20022207)
        502921.98   3635075.90       40.57049  (21012023)                502971.98
3635075.90       43.08880  (21012023)
        503021.98   3635075.90       42.30284  (21012023)                503071.98
3635075.90       39.84816  (20040823)
        503121.98   3635075.90       45.02341  (20040823)                503171.98
```

3635075.90   46.30227 (20040823)
        503221.98   3635075.90   50.65465 (21121424)   503271.98
3635075.90   49.49899 (21121424)
        503321.98   3635075.90   53.62498 (19121706)   503371.98
3635075.90   53.34113 (19121706)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503421.98   3635075.90   43.85468 (19121706)   503471.98
3635075.90   45.95067 (19020322)
        503521.98   3635075.90   42.21485 (20120224)   503571.98
3635075.90   59.35889 (20120224)
        503621.98   3635075.90   64.33968 (20120224)   503671.98
3635075.90   74.31805 (21021806)
        503721.98   3635075.90   134.61875 (19101219)   503771.98
3635075.90   141.97975 (20071102)
        503821.98   3635075.90   107.13714 (19072224)   504371.98
3635075.90   44.18519 (20011620)
        504421.98   3635075.90   38.51358 (20011620)   504471.98
3635075.90   39.69560 (21012617)
        504521.98   3635075.90   40.25228 (21012617)   502721.98
3635125.90   34.56364 (20022207)
        502771.98   3635125.90   36.32081 (20022207)   502821.98
3635125.90   36.24877 (20022207)
        502871.98   3635125.90   37.61400 (21012023)   502921.98
3635125.90   39.16599 (21012023)
        502971.98   3635125.90   37.88450 (21012023)   503021.98
3635125.90   36.36550 (20040823)

503071.98 3635125.90 40.79974 (20040823) 503121.98 3635125.90 42.03885 (20040823)
503171.98 3635125.90 45.54640 (21121424) 503221.98 3635125.90 45.61408 (21121424)
503271.98 3635125.90 47.13774 (19121706) 503321.98 3635125.90 49.48453 (19121706)
503371.98 3635125.90 43.99508 (19121706) 503421.98 3635125.90 40.98878 (19020322)
503471.98 3635125.90 40.96963 (19020322) 503521.98 3635125.90 44.18268 (20120224)
503571.98 3635125.90 56.67635 (20120224) 503621.98 3635125.90 61.64029 (21021806)
503671.98 3635125.90 99.39138 (21081004) 503721.98 3635125.90 132.69628 (19101219)
503771.98 3635125.90 120.65579 (20071102) 503821.98 3635125.90 95.94119 (19072224)
504371.98 3635125.90 41.34011 (20011620) 504421.98 3635125.90 39.53811 (20011620)
504471.98 3635125.90 34.34760 (20011620) 504521.98 3635125.90 35.88167 (21012617)
504571.98 3635125.90 36.55162 (21012617) 502721.98 3635175.90 33.32557 (20022207)
502771.98 3635175.90 32.57601 (20022207) 502821.98 3635175.90 34.86380 (21012023)
502871.98 3635175.90 35.67181 (21012023) 502921.98 3635175.90 34.09731 (21012023)
502971.98 3635175.90 33.36577 (20040823) 503021.98 3635175.90 37.20701 (20040823)
503071.98 3635175.90 38.39492 (20040823) 503121.98 3635175.90 41.14014 (21121424)
503171.98 3635175.90 42.04536 (21121424) 503221.98 3635175.90 41.29216 (19121706)
503271.98 3635175.90 45.26020 (19121706) 503321.98 3635175.90 42.84111 (19121706)
503371.98 3635175.90 35.62994 (19020322) 503421.98 3635175.90 38.15915 (19020322)
503471.98 3635175.90 35.66591 (19020322) 503521.98 3635175.90 44.87059 (20120224)
503571.98 3635175.90 53.21733 (20120224) 503621.98 3635175.90 71.88652 (21021806)
503671.98 3635175.90 107.06543 (21081004) 503721.98 3635175.90 115.68436 (19101219)
503771.98 3635175.90 101.19720 (19072223) 503821.98 3635175.90 87.71472 (21031321)
504371.98 3635175.90 36.11601 (20011620) 504421.98 3635175.90 37.69232 (20011620)
504471.98 3635175.90 35.63527 (20011620) 504521.98 3635175.90 30.85734 (20011620)
504571.98 3635175.90 32.60761 (21012617) 504621.98 3635175.90 33.39647 (21012617)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                   INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503221.98   3635225.90   41.00275 (19121706)   503271.98
3635225.90   40.85671 (19121706)
        503321.98   3635225.90   35.25051 (19121706)   503371.98
3635225.90   34.45056 (19020322)
        503421.98   3635225.90   34.62013 (19020322)   503471.98
3635225.90   32.85976 (20120224)
        503521.98   3635225.90   44.50029 (20120224)   503571.98
3635225.90   65.72688 (20120224)
        503621.98   3635225.90   100.11542 (20090823)   503671.98
3635225.90   113.36726 (21081004)
        504371.98   3635225.90   29.81320 (20011620)   504421.98
3635225.90   33.72617 (20011620)
        504471.98   3635225.90   34.50756 (20011620)   504521.98
3635225.90   32.27969 (20011620)
        504571.98   3635225.90   27.88284 (20011620)   504621.98

```
3635225.90       29.83731  (21012617)
        502721.98   3635275.90       30.03110  (21012023)                502771.98
3635275.90       29.87497  (21012023)
        502821.98   3635275.90       27.97700  (21012023)                502871.98
3635275.90       28.46454  (20040823)
        502921.98   3635275.90       31.41937  (20040823)                502971.98
3635275.90       32.49966  (20040823)
        503021.98   3635275.90       33.96827  (21121424)                503071.98
3635275.90       35.75750  (21121424)
        503121.98   3635275.90       34.06963  (21121424)                503171.98
3635275.90       36.85592  (19121706)
        503221.98   3635275.90       38.32753  (19121706)                503271.98
3635275.90       35.01406  (19121706)
        503321.98   3635275.90       30.42604  (19020322)                503371.98
3635275.90       32.35498  (19020322)
        503421.98   3635275.90       30.76406  (19020322)                503471.98
3635275.90       34.28387  (20120224)
        503521.98   3635275.90       43.37232  (20120224)                503571.98
3635275.90       45.32226  (20120224)
        503621.98   3635275.90       83.10140  (20090823)                504371.98
3635275.90       23.45295  (20011620)
        504421.98   3635275.90       28.53760  (20011620)                504471.98
3635275.90       31.44987  (20011620)
        504521.98   3635275.90       31.65299  (20011620)                504571.98
3635275.90       29.36789  (20011620)
        504621.98   3635275.90       25.34414  (20011620)                504671.98
3635275.90       27.44697  (21012617)
        502721.98   3635325.90       27.45630  (21012023)                502771.98
3635325.90       25.50709  (21012023)
        502821.98   3635325.90       26.45439  (20040823)                502871.98
3635325.90       29.08666  (20040823)
        502921.98   3635325.90       30.09083  (20040823)                502971.98
3635325.90       31.06306  (21121424)
        503021.98   3635325.90       33.05829  (21121424)                503071.98
3635325.90       32.13629  (21121424)
        503121.98   3635325.90       33.02475  (19121706)                503171.98
3635325.90       35.50818  (19121706)
        503221.98   3635325.90       34.06169  (19121706)                503271.98
3635325.90       28.76374  (19121706)
        503321.98   3635325.90       29.48043  (19020322)                503371.98
3635325.90       29.71497  (19020322)
        503421.98   3635325.90       26.88835  (19020322)                503471.98
3635325.90       34.93827  (20120224)
        503521.98   3635325.90       41.56554  (20120224)                503571.98
3635325.90       43.26064  (21021806)
        503621.98   3635325.90       69.69986  (20090823)                504371.98
3635325.90       18.26915  (20040223)
        504421.98   3635325.90       23.10898  (20011620)                504471.98
3635325.90       27.24883  (20011620)
        504521.98   3635325.90       29.36230  (20011620)                504571.98
```

3635325.90 29.13949 (20011620)
  504621.98 3635325.90 26.84011 (20011620) 504671.98
3635325.90 23.21011 (21012617)
  504721.98 3635325.90 25.34960 (21012617) 502721.98
3635375.90 23.33386 (21012023)
  502771.98 3635375.90 44.12235 (20070801) 502821.98
3635375.90 44.81426 (20070801)
  502871.98 3635375.90 50.18036 (20070802) 502921.98
3635375.90 50.63126 (20070802)
  502971.98 3635375.90 30.61436 (21121424) 503021.98
3635375.90 53.01879 (19091321)
  503071.98 3635375.90 62.59834 (20042421) 503121.98
3635375.90 32.65574 (19121706)
  503171.98 3635375.90 32.57032 (19121706) 503221.98
3635375.90 29.01336 (19121706)
*** AERMOD - VERSION 24142 *** *** C:\Users\dlarocca\Desktop\Air Quality Work\Lakes\SanteeOp\SanteeOp.i *** 02/10/25
 *** AERMET - VERSION 22112 *** ***
                    *** 13:54:44

                              PAGE 839
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                           *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
                              INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
                 L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                 ** CONC OF PM_10 IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
 - - -

504371.98 3635375.90 15.00239 (20040223) 504421.98
3635375.90 18.02566 (20011620)
504471.98 3635375.90 22.61136 (20011620) 504521.98
3635375.90 25.94661 (20011620)
504571.98 3635375.90 27.42725 (20011620) 504621.98
3635375.90 26.87946 (20011620)
504671.98 3635375.90 24.62360 (20011620) 504721.98
3635375.90 21.56106 (21012617)
502721.98 3635425.90 33.85910 (20122721) 502771.98
3635425.90 43.34347 (20070801)
502821.98 3635425.90 49.09459 (20070802) 502871.98
3635425.90 53.69094 (20070802)
502921.98 3635425.90 53.37685 (20111121) 502971.98
3635425.90 58.06075 (19091321)
503021.98 3635425.90 58.62577 (21061223) 503071.98
3635425.90 65.28560 (20042421)
503121.98 3635425.90 30.80953 (19121706) 503171.98
3635425.90 28.65189 (19121706)
503221.98 3635425.90 23.83425 (19121706) 503271.98
3635425.90 25.55077 (19020322)
503321.98 3635425.90 25.83406 (19020322) 503371.98
3635425.90 23.79091 (19020322)
503421.98 3635425.90 27.52851 (20120224) 503471.98
3635425.90 34.35486 (20120224)
503521.98 3635425.90 36.82196 (20120224) 503571.98
3635425.90 40.52118 (21021806)
503621.98 3635425.90 42.54289 (21021806) 503671.98
3635425.90 72.96277 (19101219)
503721.98 3635425.90 81.87008 (19101219) 503771.98
3635425.90 85.32770 (20071102)
503821.98 3635425.90 67.88601 (20071102) 504371.98
3635425.90 12.06242 (20040223)
504421.98 3635425.90 14.92737 (20040223) 504471.98
3635425.90 18.07210 (20011620)
504521.98 3635425.90 21.98593 (20011620) 504571.98
3635425.90 24.65029 (20011620)
504621.98 3635425.90 25.62144 (20011620) 504671.98
3635425.90 24.86878 (20011620)
504721.98 3635425.90 22.68099 (20011620) 502721.98
3635475.90 38.76685 (20070801)
502771.98 3635475.90 45.48622 (20070802) 502821.98
3635475.90 50.19967 (20070802)
502871.98 3635475.90 50.12932 (20111121) 502921.98
3635475.90 53.49574 (19091321)
502971.98 3635475.90 56.70398 (19091321) 503021.98
3635475.90 62.48108 (20042421)
503071.98 3635475.90 56.18636 (20042421) 503121.98
3635475.90 27.89127 (19121706)
503171.98 3635475.90 24.32293 (19121706) 503221.98
3635475.90 23.09094 (19020322)

```
        503271.98   3635475.90       24.32925  (19020322)                503321.98
3635475.90       23.57767  (19020322)
        503371.98   3635475.90       20.88814  (19020322)                503421.98
3635475.90       28.11742  (20120224)
        503471.98   3635475.90       33.36525  (20120224)                503521.98
3635475.90       34.23841  (20120224)
        503571.98   3635475.90       47.82940  (21021806)                503621.98
3635475.90       48.97541  (21021806)
        503671.98   3635475.90       62.25664  (19101219)                503721.98
3635475.90       64.88903  (19101219)
        503771.98   3635475.90       78.96893  (20071102)                503821.98
3635475.90       64.18571  (20071102)
        503871.98   3635475.90       69.48328  (21061222)                503921.98
3635475.90       84.12274  (19122420)
        504371.98   3635475.90       10.06525  (21013118)                504421.98
3635475.90       12.28135  (20040223)
        504471.98   3635475.90       14.73092  (20040223)                504521.98
3635475.90       17.98217  (20011620)
        504571.98   3635475.90       21.28425  (20011620)                504621.98
3635475.90       23.38162  (20011620)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 840
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        504671.98   3635475.90       23.97209  (20011620)                504721.98
3635475.90       43.59692  (21090701)
        502221.98   3632975.90        5.04547  (19010119)                502271.98
3632975.90        4.72527  (19010119)
        502321.98   3632975.90        4.95935  (21030103)                502371.98
```

3632975.90 6.34446 (21030103)
502421.98 3632975.90 7.92127 (21030103) 502471.98
3632975.90 9.61479 (21030103)
502521.98 3632975.90 11.30149 (21030103) 502571.98
3632975.90 12.83371 (21030103)
502621.98 3632975.90 14.03054 (21030103) 502671.98
3632975.90 14.71590 (21030103)
502721.98 3632975.90 16.27579 (20121603) 502771.98
3632975.90 19.13805 (20121603)
502821.98 3632975.90 33.07430 (21031822) 502871.98
3632975.90 38.63516 (20121603)
502921.98 3632975.90 35.79277 (20121603) 502971.98
3632975.90 33.35600 (20092123)
503021.98 3632975.90 39.43568 (20090205) 503071.98
3632975.90 49.08490 (20090205)
503121.98 3632975.90 42.36078 (20090205) 503171.98
3632975.90 39.24555 (20102407)
503221.98 3632975.90 42.39000 (20082723) 503271.98
3632975.90 41.64824 (20111701)
503321.98 3632975.90 46.07404 (19081924) 503371.98
3632975.90 54.10983 (19081924)
503421.98 3632975.90 45.10472 (19081924) 503471.98
3632975.90 49.47651 (19110606)
503621.98 3632975.90 43.71858 (20050102) 503671.98
3632975.90 46.32994 (20050102)
503721.98 3632975.90 44.73471 (21020203) 503771.98
3632975.90 36.52093 (20082921)
503821.98 3632975.90 39.59642 (20082921) 503871.98
3632975.90 35.28212 (20110207)
503921.98 3632975.90 31.47946 (20080820) 503971.98
3632975.90 37.58126 (19032124)
504021.98 3632975.90 39.60593 (20022622) 504071.98
3632975.90 39.52002 (21013120)
504121.98 3632975.90 35.66862 (21011302) 504171.98
3632975.90 37.11956 (19102905)
504221.98 3632975.90 37.80919 (19121107) 504271.98
3632975.90 37.56260 (20022403)
504321.98 3632975.90 37.17216 (21011620) 504371.98
3632975.90 36.50861 (21013021)
504421.98 3632975.90 35.36603 (20042404) 504471.98
3632975.90 34.83084 (21120723)
504521.98 3632975.90 34.23314 (20101423) 504571.98
3632975.90 33.19498 (21022020)
504621.98 3632975.90 33.83932 (21011323) 504671.98
3632975.90 33.25888 (21010102)
504721.98 3632975.90 32.63647 (20011902) 504771.98
3632975.90 31.90086 (19022705)
504821.98 3632975.90 31.83860 (21021820) 504871.98
3632975.90 30.62212 (20121007)
504921.98 3632975.90 30.37430 (21011520) 504971.98

3632975.90   29.49341 (21010522)
        505021.98   3632975.90   28.96466 (19122301)   505071.98
3632975.90   28.36462 (20122923)
        505121.98   3632975.90   26.32811 (19081501)   505171.98
3632975.90   26.72196 (20100121)
        505221.98   3632975.90   27.58662 (21022502)   502221.98
3633025.90   5.61072 (19010119)
        502271.98   3633025.90   5.36349 (19010119)   502321.98
3633025.90   5.02559 (19010119)
        502371.98   3633025.90   5.27798 (21030103)   502421.98
3633025.90   6.78278 (21030103)
        502471.98   3633025.90   8.49075 (21030103)   502521.98
3633025.90   10.31962 (21030103)
        502571.98   3633025.90   12.12853 (21030103)   502621.98
3633025.90   13.73483 (21030103)
        502671.98   3633025.90   14.93266 (21030103)   502721.98
3633025.90   15.53740 (21030103)
        502771.98   3633025.90   18.00395 (20121603)   502821.98
3633025.90   36.54209 (21031822)
        502871.98   3633025.90   40.02882 (21031822)   502921.98
3633025.90   40.15788 (20121603)
        502971.98   3633025.90   34.01805 (20092123)   503021.98
3633025.90   38.25331 (20090205)
        503071.98   3633025.90   50.33168 (20090205)   503121.98
3633025.90   43.37118 (20092124)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

503171.98 3633025.90 38.29186 (20102407) 503221.98
3633025.90 45.46611 (20082723)
503271.98 3633025.90 43.36809 (20111701) 503321.98
3633025.90 44.60885 (19081924)
503371.98 3633025.90 55.88523 (19081924) 503421.98
3633025.90 46.92081 (19081924)
503471.98 3633025.90 50.42114 (19110606) 503621.98
3633025.90 42.91027 (20050102)
503671.98 3633025.90 47.94888 (20050102) 503721.98
3633025.90 47.51191 (21020203)
503771.98 3633025.90 35.67882 (20032924) 503821.98
3633025.90 39.58421 (20110207)
503871.98 3633025.90 36.36375 (20110207) 503921.98
3633025.90 34.05778 (20080820)
503971.98 3633025.90 39.87220 (19032124) 504021.98
3633025.90 40.58459 (20022622)
504071.98 3633025.90 40.36176 (21013120) 504121.98
3633025.90 35.26547 (19102905)
504171.98 3633025.90 39.24035 (21022205) 504221.98
3633025.90 40.16703 (20022403)
504271.98 3633025.90 38.73729 (21011620) 504321.98
3633025.90 37.76989 (20052501)
504371.98 3633025.90 36.08849 (21013021) 504421.98
3633025.90 37.37313 (21120723)
504471.98 3633025.90 35.35198 (20101423) 504521.98
3633025.90 35.16320 (20112022)
504571.98 3633025.90 35.55564 (21011323) 504621.98
3633025.90 34.07598 (21120804)
504671.98 3633025.90 34.22986 (20011902) 504721.98
3633025.90 32.45411 (21022803)
504771.98 3633025.90 33.02460 (21021820) 504821.98
3633025.90 32.30093 (20121007)
504871.98 3633025.90 32.37795 (21011520) 504921.98
3633025.90 30.59491 (21010522)
504971.98 3633025.90 30.25595 (19122301) 505021.98
3633025.90 29.72184 (20122923)
505071.98 3633025.90 27.58839 (19081501) 505121.98
3633025.90 27.98470 (20100121)
505171.98 3633025.90 28.86181 (21022502) 505221.98
3633025.90 27.16031 (19120104)
502221.98 3633075.90 6.15674 (19010119) 502271.98
3633075.90 5.98521 (19010119)
502321.98 3633075.90 5.71195 (19010119) 502371.98
3633075.90 5.36283 (19010119)
502421.98 3633075.90 5.62909 (21030103) 502471.98
3633075.90 7.26201 (21030103)
502521.98 3633075.90 9.12247 (21030103) 502571.98
3633075.90 11.10495 (21030103)
502621.98 3633075.90 13.04032 (21030103) 502671.98
3633075.90 14.71642 (21030103)

```
        502721.98   3633075.90       15.90408  (21030103)                502771.98
3633075.90       16.40138  (21030103)
        502821.98   3633075.90       29.64069  (21031822)                502871.98
3633075.90       40.28698  (21031822)
        502921.98   3633075.90       40.13963  (20121603)                502971.98
3633075.90       41.18828  (20121603)
        503021.98   3633075.90       40.96443  (20092124)                503071.98
3633075.90       50.17731  (20092124)
        503121.98   3633075.90       53.14996  (20092124)                503171.98
3633075.90       43.66943  (20061222)
        503221.98   3633075.90       43.29490  (20082723)                503271.98
3633075.90       47.70497  (20082723)
        503321.98   3633075.90       43.67583  (20111701)                503371.98
3633075.90       55.27068  (19081924)
        503421.98   3633075.90       50.85346  (19081924)                503471.98
3633075.90       50.68078  (19110606)
        503621.98   3633075.90       41.96412  (20050102)                503671.98
3633075.90       47.95870  (20050102)
        503721.98   3633075.90       47.29044  (21020203)                503771.98
3633075.90       37.68134  (20032924)
        503821.98   3633075.90       41.86500  (20110207)                503871.98
3633075.90       37.31973  (20110207)
        503921.98   3633075.90       36.67390  (20080820)                503971.98
3633075.90       42.01654  (19032124)
        504021.98   3633075.90       41.06187  (20022622)                504071.98
3633075.90       42.37176  (21011302)
        504121.98   3633075.90       39.14258  (19102905)                504171.98
3633075.90       41.35383  (21022205)
        504221.98   3633075.90       42.55742  (20022403)                504271.98
3633075.90       41.40276  (21011620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 842
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3633075.90	40.22983	(21013021)	504371.98	3633075.90	38.56783	(20042404)
504421.98	3633075.90	38.36858	(21120723)	504471.98	3633075.90	37.34784	(20101423)
504521.98	3633075.90	36.19242	(21022020)	504571.98	3633075.90	36.34087	(21011323)
504621.98	3633075.90	36.29866	(21010102)	504671.98	3633075.90	34.55067	(20011902)
504721.98	3633075.90	35.03285	(19022705)	504771.98	3633075.90	33.81986	(21021820)
504821.98	3633075.90	34.18369	(21011520)	504871.98	3633075.90	32.18865	(19121906)
504921.98	3633075.90	31.52193	(19122301)	504971.98	3633075.90	31.14483	(20122923)
505021.98	3633075.90	28.95734	(19081501)	505071.98	3633075.90	29.35539	(20100121)
505121.98	3633075.90	30.23571	(21022502)	505171.98	3633075.90	28.40982	(19120104)
505221.98	3633075.90	27.52237	(20021702)	502221.98	3633125.90	6.63763	(19010119)
502271.98	3633125.90	6.55563	(19010119)	502321.98	3633125.90	6.37256	(19010119)
502371.98	3633125.90	6.09425	(19010119)	502421.98	3633125.90	5.73066	(19010119)
502471.98	3633125.90	6.01219	(21030103)	502521.98	3633125.90	7.79862	(21030103)
502571.98	3633125.90	9.82792	(21030103)	502621.98	3633125.90	11.97484	(21030103)
502671.98	3633125.90	14.04612	(21030103)	502721.98	3633125.90	15.79112	(21030103)
502771.98	3633125.90	16.94763	(21030103)	502821.98	3633125.90	18.30648	(20121603)
502871.98	3633125.90	34.23776	(21031822)	502921.98	3633125.90	40.12960	(21031822)
502971.98	3633125.90	42.08616	(20121603)	503021.98	3633125.90	39.83927	(20092124)
503071.98	3633125.90	54.63257	(20092124)	503121.98	3633125.90	59.41653	(20092124)
503171.98	3633125.90	49.47282	(20092124)	503221.98	3633125.90	40.20234	(20082723)
503271.98	3633125.90	49.39950	(20082723)	503321.98	3633125.90	45.86590	(20082723)
503371.98	3633125.90	54.65153	(19081924)	503421.98	3633125.90	53.88177	(19081924)
503471.98	3633125.90	50.21666	(19110606)	503621.98			

3633125.90   41.18432 (19091221)
        503671.98   3633125.90   47.38143 (20050102)   503721.98
3633125.90   47.18731 (21020203)
        503771.98   3633125.90   40.32627 (20032924)   503821.98
3633125.90   44.28195 (20110207)
        503871.98   3633125.90   38.21867 (20110207)   503921.98
3633125.90   39.39552 (20080820)
        503971.98   3633125.90   43.91502 (19032124)   504021.98
3633125.90   44.38289 (21013120)
        504071.98   3633125.90   43.66005 (21011302)   504121.98
3633125.90   42.38138 (19102905)
        504171.98   3633125.90   43.12799 (19121107)   504221.98
3633125.90   42.91635 (20022403)
        504271.98   3633125.90   41.80040 (21011620)   504321.98
3633125.90   40.93801 (21013021)
        504371.98   3633125.90   40.80487 (21120723)   504421.98
3633125.90   38.79060 (20101423)
        504471.98   3633125.90   38.46679 (20112022)   504521.98
3633125.90   39.20234 (21011323)
        504571.98   3633125.90   37.89284 (21010102)   504621.98
3633125.90   37.55121 (20011902)
        504671.98   3633125.90   36.80320 (19022705)   504721.98
3633125.90   36.39008 (21021820)
        504771.98   3633125.90   35.69457 (21011520)   504821.98
3633125.90   34.07450 (19121906)
        504871.98   3633125.90   33.59410 (21010522)   504921.98
3633125.90   32.60926 (20122923)
        504971.98   3633125.90   30.55810 (20122923)   505021.98
3633125.90   30.86703 (20100121)
        505071.98   3633125.90   31.73281 (21022502)   505121.98
3633125.90   29.75142 (19120104)
        505171.98   3633125.90   29.17059 (20021702)   505221.98
3633125.90   29.36444 (20021702)
        502221.98   3633175.90   6.99524 (19010119)   502271.98
3633175.90   7.03005 (19010119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                    INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502321.98	3633175.90	6.96432	(19010119)	502371.98	3633175.90	6.80319	(19010119)
502421.98	3633175.90	6.52675	(19010119)	502471.98	3633175.90	6.14014	(19010119)
502521.98	3633175.90	6.44093	(21030103)	502571.98	3633175.90	8.39915	(21030103)
502621.98	3633175.90	10.61859	(21030103)	502671.98	3633175.90	12.94768	(21030103)
502721.98	3633175.90	15.15265	(21030103)	502771.98	3633175.90	16.95097	(21030103)
502821.98	3633175.90	31.52073	(21030103)	502871.98	3633175.90	20.47030	(20121603)
502921.98	3633175.90	35.91603	(21031822)	502971.98	3633175.90	38.32278	(20121603)
503021.98	3633175.90	40.63036	(20121603)	503071.98	3633175.90	45.14246	(20092124)
503121.98	3633175.90	57.36538	(20092124)	503171.98	3633175.90	51.52138	(20092124)
503221.98	3633175.90	44.22095	(20061222)	503271.98	3633175.90	51.25550	(20082723)
503321.98	3633175.90	51.71821	(20082723)	503371.98	3633175.90	50.98145	(19081924)
503421.98	3633175.90	57.13256	(19081924)	503471.98	3633175.90	52.30922	(19081924)
503621.98	3633175.90	40.77918	(19091221)	503671.98	3633175.90	48.22360	(20050102)
503721.98	3633175.90	47.29723	(21020203)	503771.98	3633175.90	42.96053	(20032924)
503821.98	3633175.90	46.78456	(20110207)	503871.98	3633175.90	39.09792	(20110207)
503921.98	3633175.90	42.21215	(20082519)	503971.98	3633175.90	47.13301	(20022622)
504021.98	3633175.90	47.41267	(21013120)	504071.98	3633175.90	43.93772	(21011302)
504121.98	3633175.90	44.59888	(19102905)	504171.98	3633175.90	45.83340	(20022403)
504221.98	3633175.90	44.93887	(21011620)	504271.98	3633175.90	43.95823	(21013021)
504321.98	3633175.90	42.08893	(20042404)	504371.98	3633175.90	42.53174	(21120723)

```
        504421.98   3633175.90       41.02422  (20101423)                504471.98
3633175.90       39.70771  (21011323)
        504521.98   3633175.90       39.41415  (20031721)                504571.98
3633175.90       39.35165  (20011902)
        504621.98   3633175.90       37.62403  (19022705)                504671.98
3633175.90       38.44853  (21021820)
        504721.98   3633175.90       36.96395  (20121007)                504771.98
3633175.90       35.91052  (21011520)
        504821.98   3633175.90       35.68879  (21010522)                504871.98
3633175.90       34.27983  (19122301)
        504921.98   3633175.90       32.60971  (20122923)                504971.98
3633175.90       32.51236  (20100121)
        505021.98   3633175.90       33.38751  (21022502)                505071.98
3633175.90       31.21038  (19120104)
        505121.98   3633175.90       30.93741  (20021702)                505171.98
3633175.90       30.54907  (20021702)
        505221.98   3633175.90       29.72249  (20020804)                502221.98
3633225.90        8.12349  (21111004)
        502271.98   3633225.90        7.54669  (21111004)                502321.98
3633225.90        7.46490  (19010119)
        502371.98   3633225.90        7.43956  (19010119)                502421.98
3633225.90        7.28081  (19010119)
        502471.98   3633225.90        6.98815  (19010119)                502521.98
3633225.90        6.59319  (19010119)
        502571.98   3633225.90        6.91320  (21030103)                502621.98
3633225.90        9.06433  (21030103)
        502671.98   3633225.90       11.49695  (21030103)                502721.98
3633225.90       14.02528  (21030103)
        502771.98   3633225.90       16.39038  (21030103)                502821.98
3633225.90       18.23888  (21030103)
        502871.98   3633225.90       28.74231  (21030103)                502921.98
3633225.90       27.35496  (20121603)
        502971.98   3633225.90       31.73549  (20121603)                503021.98
3633225.90       40.26388  (20121603)
        503071.98   3633225.90       38.97780  (20121603)                503121.98
3633225.90       45.08331  (20092124)
        503171.98   3633225.90       53.36408  (20092124)                503221.98
3633225.90       51.91847  (20092124)
        503271.98   3633225.90       49.11932  (20082723)                503321.98
3633225.90       56.37625  (20082723)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 844
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
```

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503371.98	3633225.90	54.66112	(20111701)	503421.98	3633225.90	58.18162	(19081924)
503471.98	3633225.90	55.32294	(19081924)	503621.98	3633225.90	44.63288	(19101521)
503671.98	3633225.90	48.61799	(20050102)	503721.98	3633225.90	49.29777	(21020203)
503771.98	3633225.90	45.19712	(20032924)	503821.98	3633225.90	49.22314	(20110207)
503871.98	3633225.90	39.95646	(20110207)	503921.98	3633225.90	45.01886	(20080820)
503971.98	3633225.90	50.05808	(20022622)	504021.98	3633225.90	49.76030	(21013120)
504071.98	3633225.90	43.05125	(21011302)	504121.98	3633225.90	47.79742	(21022205)
504171.98	3633225.90	49.11834	(20022403)	504221.98	3633225.90	47.64445	(21011620)
504271.98	3633225.90	46.29523	(21013021)	504321.98	3633225.90	44.70873	(21120723)
504371.98	3633225.90	42.86259	(20101423)	504421.98	3633225.90	42.30484	(20112022)
504471.98	3633225.90	43.20103	(21011323)	504521.98	3633225.90	42.28018	(21010102)
504571.98	3633225.90	40.23521	(20011902)	504621.98	3633225.90	40.39109	(19022705)
504671.98	3633225.90	39.35473	(20121007)	504721.98	3633225.90	38.95159	(21011520)
504771.98	3633225.90	37.77628	(21010522)	504821.98	3633225.90	36.55685	(19122301)
504871.98	3633225.90	34.80666	(20122923)	504921.98	3633225.90	34.30064	(20100121)
504971.98	3633225.90	35.20711	(21022502)	505021.98	3633225.90	32.81502	(19120104)
505071.98	3633225.90	32.85232	(20021702)	505121.98	3633225.90	32.14654	(20020804)
505171.98	3633225.90	30.72594	(20020804)	505221.98			

```
3633225.90       30.50569  (21012402)
        502221.98   3633275.90        9.31518  (21111004)                502271.98
3633275.90        8.87144  (21111004)
        502321.98   3633275.90        8.29425  (21111004)                502371.98
3633275.90        7.94641  (19010119)
        502421.98   3633275.90        7.93794  (19010119)                502471.98
3633275.90        7.79522  (19010119)
        502521.98   3633275.90        7.51499  (19010119)                502571.98
3633275.90        7.09987  (19010119)
        502621.98   3633275.90        7.43895  (21030103)                502671.98
3633275.90        9.80788  (21030103)
        502721.98   3633275.90       12.48450  (21030103)                502771.98
3633275.90       15.24369  (21030103)
        502821.98   3633275.90       47.68057  (20122620)                502871.98
3633275.90       30.64794  (21030103)
        502921.98   3633275.90       20.76800  (20121603)                502971.98
3633275.90       25.63536  (20121603)
        503021.98   3633275.90       38.09930  (20121603)                503071.98
3633275.90       30.61035  (20121603)
        503121.98   3633275.90       29.22009  (20121603)                503171.98
3633275.90       25.18271  (20121603)
        503221.98   3633275.90       55.38669  (20092124)                503271.98
3633275.90       53.15458  (20061222)
        503321.98   3633275.90       58.94332  (20082723)                503371.98
3633275.90       59.71857  (20111701)
        503421.98   3633275.90       56.36577  (19081924)                503471.98
3633275.90       49.64296  (21020924)
        503621.98   3633275.90       46.52621  (19101521)                503671.98
3633275.90       49.14590  (20050102)
        503721.98   3633275.90       51.93542  (21020203)                503771.98
3633275.90       47.38220  (20032924)
        503821.98   3633275.90       51.84941  (20110207)                503871.98
3633275.90       40.79255  (20082921)
        503921.98   3633275.90       47.83618  (20080820)                503971.98
3633275.90       52.53802  (20022622)
        504021.98   3633275.90       51.30842  (21011302)                504071.98
3633275.90       48.10444  (19102905)
        504121.98   3633275.90       49.70069  (19121107)                504171.98
3633275.90       49.74902  (20022403)
        504221.98   3633275.90       48.17958  (20052501)                504271.98
3633275.90       45.88214  (20042404)
        504321.98   3633275.90       47.42439  (21120723)                504371.98
3633275.90       45.36516  (20101423)
        504421.98   3633275.90       44.95505  (21011323)                504471.98
3633275.90       43.54976  (21010102)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504521.98	3633275.90	43.95042	(20011902)	504571.98	3633275.90	43.11259	(19022705)
504621.98	3633275.90	41.78991	(21021820)	504671.98	3633275.90	41.82504	(21011520)
504721.98	3633275.90	39.78468	(21010522)	504771.98	3633275.90	38.91313	(19122301)
504821.98	3633275.90	37.19037	(20122923)	504871.98	3633275.90	36.22357	(20100121)
504921.98	3633275.90	37.19063	(21022502)	504971.98	3633275.90	34.55782	(19120104)
505021.98	3633275.90	34.91363	(20021702)	505071.98	3633275.90	34.14096	(20020804)
505121.98	3633275.90	32.36174	(20011323)	505171.98	3633275.90	32.34444	(21012402)
505221.98	3633275.90	30.85010	(20121620)	502221.98	3633325.90	10.35484	(21111004)
502271.98	3633325.90	10.11528	(21111004)	502321.98	3633325.90	9.70459	(21111004)
502371.98	3633325.90	9.12507	(21111004)	502421.98	3633325.90	8.44914	(19010119)
502471.98	3633325.90	8.47809	(19010119)	502521.98	3633325.90	8.36687	(19010119)
502571.98	3633325.90	8.09388	(19010119)	502621.98	3633325.90	7.66347	(19010119)
502671.98	3633325.90	8.02362	(21030103)	502721.98	3633325.90	10.64499	(21030103)
502771.98	3633325.90	13.59052	(21030103)	502821.98	3633325.90	16.60861	(21030103)
502871.98	3633325.90	19.32540	(21030103)	502921.98	3633325.90	21.23644	(21030103)

```
        502971.98   3633325.90       23.58928  (20121603)               503021.98
3633325.90       28.64048  (20121603)
        503071.98   3633325.90       31.93489  (20121603)               503121.98
3633325.90       32.41397  (20121603)
        503171.98   3633325.90       29.68653  (20121603)               503221.98
3633325.90       26.73251  (21063005)
        503271.98   3633325.90       63.97444  (20092124)               503321.98
3633325.90       58.43386  (20082723)
        503371.98   3633325.90       64.18588  (20111701)               503421.98
3633325.90       53.17501  (20111701)
        503471.98   3633325.90       43.74775  (20090124)               503621.98
3633325.90       49.73182  (19101521)
        503671.98   3633325.90       50.41902  (20050102)               503721.98
3633325.90       54.95584  (21020203)
        503771.98   3633325.90       49.75078  (20032924)               503821.98
3633325.90       54.69876  (20110207)
        503871.98   3633325.90       42.11473  (20082921)               503921.98
3633325.90       51.60312  (19032124)
        503971.98   3633325.90       54.11226  (20022622)               504021.98
3633325.90       54.00650  (21011302)
        504071.98   3633325.90       52.07979  (19102905)               504121.98
3633325.90       52.92403  (20022403)
        504171.98   3633325.90       52.86211  (21011620)               504221.98
3633325.90       52.06212  (21013021)
        504271.98   3633325.90       49.51830  (20042404)               504321.98
3633325.90       47.58507  (20101423)
        504371.98   3633325.90       46.43876  (20112022)               504421.98
3633325.90       47.46801  (21011323)
        504471.98   3633325.90       46.46706  (21010102)               504521.98
3633325.90       44.63298  (19022705)
        504571.98   3633325.90       45.17560  (21021820)               504621.98
3633325.90       44.35361  (21011520)
        504671.98   3633325.90       41.63405  (21010522)               504721.98
3633325.90       41.38550  (19122301)
        504771.98   3633325.90       39.77157  (20122923)               504821.98
3633325.90       38.31599  (20100121)
        504871.98   3633325.90       39.35043  (21022502)               504921.98
3633325.90       36.30511  (19120104)
        504971.98   3633325.90       37.11361  (20021702)               505021.98
3633325.90       36.19850  (20020804)
        505071.98   3633325.90       34.21739  (20011323)               505121.98
3633325.90       34.09650  (21012402)
        505171.98   3633325.90       32.46378  (20121620)               505221.98
3633325.90       32.45820  (20022406)
        502221.98   3633375.90       11.13635  (21111004)               502271.98
3633375.90       11.15137  (21111004)
        502321.98   3633375.90       10.97823  (21111004)               502371.98
3633375.90       10.60836  (21111004)
        502421.98   3633375.90       10.04538  (21111004)               502471.98
3633375.90        9.30019  (21111004)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502521.98	3633375.90	9.08261	(19010119)	502571.98	3633375.90	9.00320	(19010119)
502621.98	3633375.90	8.74084	(19010119)	502671.98	3633375.90	8.29325	(19010119)
502721.98	3633375.90	8.67925	(21030103)	502771.98	3633375.90	11.59267	(21030103)
502821.98	3633375.90	14.87086	(21030103)	502871.98	3633375.90	18.19062	(21030103)
502921.98	3633375.90	21.06893	(21030103)	502971.98	3633375.90	22.95778	(21030103)
503021.98	3633375.90	26.81396	(20121603)	503071.98	3633375.90	31.95703	(20121603)
503121.98	3633375.90	34.65560	(20121603)	503171.98	3633375.90	33.88579	(20121603)
503221.98	3633375.90	29.58109	(20121603)	503271.98	3633375.90	28.43193	(21063005)
503321.98	3633375.90	51.11176	(20092124)	503371.98	3633375.90	65.27977	(20111701)
503421.98	3633375.90	54.36778	(20111701)	503471.98	3633375.90	49.75982	(21110603)
503621.98	3633375.90	54.70525	(19101521)	503671.98	3633375.90	51.53491	(20050102)
503721.98	3633375.90	57.30772	(21020203)	503771.98	3633375.90	52.33603	(20032924)
503821.98	3633375.90	57.54801	(20110207)	503871.98			

```
3633375.90       44.12100  (20032501)
        503921.98   3633375.90       55.41141  (19032124)                503971.98
3633375.90       55.87619  (21013120)
        504021.98   3633375.90       55.07919  (21011302)                504071.98
3633375.90       55.24656  (21022205)
        504121.98   3633375.90       57.06782  (20022403)                504171.98
3633375.90       55.41285  (21011620)
        504221.98   3633375.90       52.86631  (21013021)                504271.98
3633375.90       53.16630  (21120723)
        504321.98   3633375.90       49.77846  (20101423)                504371.98
3633375.90       50.31511  (21011323)
        504421.98   3633375.90       49.79934  (21010102)                504471.98
3633375.90       47.76236  (20011902)
        504521.98   3633375.90       47.67916  (21021820)                504571.98
3633375.90       46.34034  (21011520)
        504621.98   3633375.90       44.70861  (19121906)                504671.98
3633375.90       43.89221  (19122301)
        504721.98   3633375.90       42.59508  (20122923)                504771.98
3633375.90       40.63499  (20100121)
        504821.98   3633375.90       41.72502  (21022502)                504871.98
3633375.90       38.22812  (19120104)
        504921.98   3633375.90       39.10747  (20021702)                504971.98
3633375.90       38.00240  (20020804)
        505021.98   3633375.90       35.79065  (21010922)                505071.98
3633375.90       35.65582  (21012402)
        505121.98   3633375.90       34.30618  (20022406)                505171.98
3633375.90       33.66634  (20022406)
        505221.98   3633375.90       31.69651  (19010903)                502221.98
3633425.90       11.53682  (21111004)
        502271.98   3633425.90       11.84000  (21111004)                502321.98
3633425.90       11.96096  (21111004)
        502371.98   3633425.90       11.88340  (21111004)                502421.98
3633425.90       11.58963  (21111004)
        502471.98   3633425.90       11.08354  (21111004)                502521.98
3633425.90       10.33366  (21111004)
        502571.98   3633425.90        9.74725  (19010119)                502621.98
3633425.90        9.71121  (19010119)
        502671.98   3633425.90        9.46274  (19010119)                502721.98
3633425.90        9.00503  (19010119)
        502771.98   3633425.90        9.42024  (21030103)                502821.98
3633425.90       12.67632  (21030103)
        502871.98   3633425.90       16.32983  (21030103)                502921.98
3633425.90       19.97432  (21030103)
        502971.98   3633425.90       23.03197  (21030103)                503021.98
3633425.90       24.85211  (21030103)
        503071.98   3633425.90       30.49675  (20121603)                503121.98
3633425.90       35.52732  (20121603)
        503171.98   3633425.90       37.26763  (20121603)                503221.98
3633425.90       34.86591  (20121603)
        503271.98   3633425.90       30.53913  (21063005)                503321.98
```

3633425.90   64.90086 (20092124)
        503371.98   3633425.90   66.18751 (20102407)   503421.98
3633425.90   64.11961 (20111701)
        503471.98   3633425.90   53.32153 (21110603)   503621.98
3633425.90   64.27845 (19082022)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311
, L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503671.98   3633425.90   52.62504 (20050102)   503721.98
3633425.90   59.44336 (21020203)
        503771.98   3633425.90   55.14754 (20032924)   503821.98
3633425.90   60.38517 (20110207)
        503871.98   3633425.90   49.72218 (20081802)   503921.98
3633425.90   58.35807 (19032124)
        503971.98   3633425.90   60.36776 (21013120)   504021.98
3633425.90   54.59060 (21011302)
        504071.98   3633425.90   58.67387 (21022205)   504121.98
3633425.90   57.70026 (20022403)
        504171.98   3633425.90   57.50090 (21013021)   504221.98
3633425.90   55.06451 (20042404)
        504271.98   3633425.90   52.31329 (20101423)   504321.98
3633425.90   50.23344 (20112022)
        504371.98   3633425.90   50.95075 (21011323)   504421.98
3633425.90   52.09216 (20011902)
        504471.98   3633425.90   51.34997 (19022705)   504521.98
3633425.90   49.52311 (20121007)
        504571.98   3633425.90   47.86446 (21011520)   504621.98
3633425.90   46.49527 (21010522)

504671.98 3633425.90 45.39085 (20122923) 504721.98 3633425.90 42.85451 (20100121)
504771.98 3633425.90 44.38439 (21022502) 504821.98 3633425.90 40.66622 (19120104)
504871.98 3633425.90 41.37673 (20021702) 504921.98 3633425.90 39.87296 (20020804)
504971.98 3633425.90 38.12942 (21012402) 505021.98 3633425.90 36.98300 (20121620)
505071.98 3633425.90 36.98766 (20022406) 505121.98 3633425.90 34.74566 (19010903)
505171.98 3633425.90 33.77751 (21121121) 505221.98 3633425.90 32.97793 (21120121)
502221.98 3633475.90 11.50797 (21111004) 502271.98 3633475.90 12.10528 (21111004)
502321.98 3633475.90 12.55730 (21111004) 502371.98 3633475.90 12.82741 (21111004)
502421.98 3633475.90 12.88095 (21111004) 502471.98 3633475.90 12.70755 (21111004)
502521.98 3633475.90 12.22302 (21111004) 502571.98 3633475.90 11.48720 (21111004)
502621.98 3633475.90 10.51618 (21111004) 502671.98 3633475.90 10.48820 (19010119)
504771.98 3633475.90 42.44529 (19120104) 504821.98 3633475.90 43.71739 (20021702)
504871.98 3633475.90 41.67701 (20020804) 504921.98 3633475.90 40.64567 (21012402)
504971.98 3633475.90 39.10987 (20121620) 505021.98 3633475.90 39.29878 (20022406)
505071.98 3633475.90 36.74766 (19010903) 505121.98 3633475.90 35.63499 (21121121)
505171.98 3633475.90 34.85233 (21120121) 505221.98 3633475.90 33.36980 (21021801)
502221.98 3633525.90 11.03552 (21111004) 502271.98 3633525.90 11.89524 (21111004)
502321.98 3633525.90 12.65912 (21111004) 502371.98 3633525.90 13.30327 (21111004)
502421.98 3633525.90 13.75787 (21111004) 502471.98 3633525.90 13.97708 (21111004)
502521.98 3633525.90 13.87597 (21111004) 502571.98 3633525.90 13.46638 (21111004)
502621.98 3633525.90 12.78111 (21111004) 502671.98 3633525.90 11.79050 (21111004)
504771.98 3633525.90 46.43119 (20021702) 504821.98 3633525.90 43.74780 (21010922)
504871.98 3633525.90 43.45049 (21012402) 504921.98 3633525.90 41.06145 (20121620)
504971.98 3633525.90 40.19887 (20022406) 505021.98 3633525.90 38.30918 (21121121)
505071.98 3633525.90 37.85864 (21120121) 505121.98 3633525.90 36.28743 (21021801)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505171.98	3633525.90	35.14620	(21011022)	505221.98	3633525.90	33.67914	(20021024)
502221.98	3633575.90	10.15675	(21111004)	502271.98	3633575.90	11.18385	(21111004)
502321.98	3633575.90	12.20765	(21111004)	502371.98	3633575.90	13.18489	(21111004)
502421.98	3633575.90	14.02371	(21111004)	502471.98	3633575.90	14.66017	(21111004)
502521.98	3633575.90	15.04326	(21111004)	502571.98	3633575.90	15.12794	(21111004)
502621.98	3633575.90	14.87645	(21111004)	502671.98	3633575.90	14.25488	(21111004)
504771.98	3633575.90	47.00268	(21010922)	504821.98	3633575.90	45.97155	(21012402)
504871.98	3633575.90	44.69077	(20022406)	504921.98	3633575.90	42.15690	(19010903)
504971.98	3633575.90	41.24850	(21011418)	505021.98	3633575.90	40.42154	(21011418)
505071.98	3633575.90	38.13220	(21021801)	505121.98	3633575.90	37.27939	(21011022)
505171.98	3633575.90	36.02435	(20021024)	505221.98	3633575.90	36.23875	(21122302)
502221.98	3633625.90	8.91756	(21111004)	502271.98	3633625.90	10.03452	(21111004)
502321.98	3633625.90	11.24490	(21111004)	502371.98			

```
3633625.90       12.45921  (21111004)
        502421.98   3633625.90       13.63832  (21111004)                502471.98
3633625.90       14.67530  (21111004)
        502521.98   3633625.90       15.58208  (21111004)                502571.98
3633625.90       16.21866  (21111004)
        502621.98   3633625.90       16.53481  (21111004)                502671.98
3633625.90       16.45198  (21111004)
        504771.98   3633625.90       48.67954  (20121620)                504821.98
3633625.90       47.81806  (20022406)
        504871.98   3633625.90       44.49168  (19010903)                504921.98
3633625.90       44.90502  (21011418)
        504971.98   3633625.90       43.94555  (21011418)                505021.98
3633625.90       40.19719  (21011022)
        505071.98   3633625.90       38.96889  (20021024)                505121.98
3633625.90       39.56451  (21122302)
        505171.98   3633625.90       37.14857  (21011724)                505221.98
3633625.90       36.50897  (21010408)
        502221.98   3633675.90       11.62406  (21012320)                502271.98
3633675.90       10.68095  (21012320)
        502321.98   3633675.90        9.84097  (21111004)                502371.98
3633675.90       11.17570  (21111004)
        502421.98   3633675.90       12.58622  (21111004)                502471.98
3633675.90       13.96951  (21111004)
        502521.98   3633675.90       15.29717  (21111004)                502571.98
3633675.90       16.46692  (21111004)
        502621.98   3633675.90       17.39659  (21111004)                502671.98
3633675.90       17.98723  (21111004)
        504771.98   3633675.90       50.38287  (20022406)                504821.98
3633675.90       49.91688  (21011418)
        504871.98   3633675.90       50.79461  (21011418)                504921.98
3633675.90       46.25425  (21011418)
        504971.98   3633675.90       42.30026  (21011022)                505021.98
3633675.90       42.09462  (21122302)
        505071.98   3633675.90       40.78657  (21122302)                505121.98
3633675.90       39.81440  (21010408)
        505171.98   3633675.90       39.04401  (21010408)                505221.98
3633675.90       36.79804  (21011720)
        502221.98   3633725.90       14.67853  (21012320)                502271.98
3633725.90       13.94722  (21012320)
        502321.98   3633725.90       13.16752  (21012320)                502371.98
3633725.90       12.20661  (21012320)
        502421.98   3633725.90       11.11432  (21012320)                502471.98
3633725.90       12.56914  (21111004)
        502521.98   3633725.90       14.18802  (21111004)                502571.98
3633725.90       15.78912  (21111004)
        502621.98   3633725.90       17.28525  (21111004)                502671.98
3633725.90       18.56174  (21111004)
        504771.98   3633725.90       59.63539  (21011418)                504821.98
3633725.90       54.85780  (21011418)
        504871.98   3633725.90       47.73922  (21011022)                504921.98
```

        502621.98   3633775.90   16.12190 (21111004)   502671.98
3633775.90   17.97163 (21111004)
        504771.98   3633775.90   61.36952 (21011418)   504821.98
3633775.90   52.34159 (20081722)
        504871.98   3633775.90   50.86244 (21122302)   504921.98
3633775.90   47.76251 (21011724)
        504971.98   3633775.90   46.81276 (21010408)   505021.98
3633775.90   44.33061 (21011720)
        505071.98   3633775.90   42.46231 (21011221)   505121.98
3633775.90   42.03455 (20121406)

505171.98 3633775.90 39.15897 (20121406) 505221.98
3633775.90 37.39383 (20021723)
502221.98 3633825.90 19.29692 (21012320) 502271.98
3633825.90 19.47789 (21012320)
502321.98 3633825.90 19.63731 (21012320) 502371.98
3633825.90 19.53093 (21012320)
502421.98 3633825.90 19.14383 (21012320) 502471.98
3633825.90 18.46723 (21012320)
502521.98 3633825.90 17.53516 (21012320) 502571.98
3633825.90 16.33435 (21012320)
502621.98 3633825.90 14.87454 (21012320) 502671.98
3633825.90 16.25750 (21111004)
504771.98 3633825.90 58.99914 (21122302) 504821.98
3633825.90 55.60710 (21011724)
504871.98 3633825.90 52.19240 (21010408) 504921.98
3633825.90 49.31956 (21011720)
504971.98 3633825.90 46.88506 (21011221) 505021.98
3633825.90 45.94549 (20121406)
505071.98 3633825.90 42.64687 (20021305) 505121.98
3633825.90 42.10718 (20021723)
505171.98 3633825.90 40.48281 (19011606) 505221.98
3633825.90 39.66784 (19011606)
502221.98 3633875.90 19.83927 (21012320) 502271.98
3633875.90 20.62528 (21012320)
502321.98 3633875.90 21.45321 (21012320) 502371.98
3633875.90 21.95787 (21012320)
502421.98 3633875.90 22.30424 (21012320) 502471.98
3633875.90 22.30718 (21012320)
502521.98 3633875.90 22.08659 (21012320) 502571.98
3633875.90 21.51222 (21012320)
502621.98 3633875.90 20.53806 (21012320) 502671.98
3633875.90 19.15493 (21012320)
504771.98 3633875.90 61.94341 (21010408) 504821.98
3633875.90 56.36709 (21011720)
504871.98 3633875.90 52.30333 (21011221) 504921.98
3633875.90 51.18675 (20121406)
504971.98 3633875.90 47.44206 (20021305) 505021.98
3633875.90 46.80367 (20021723)
505071.98 3633875.90 45.50286 (19011606) 505121.98
3633875.90 43.32921 (19011606)
505171.98 3633875.90 40.42371 (20012223) 505221.98
3633875.90 39.25211 (19121305)
502221.98 3633925.90 18.94588 (21012320) 502271.98
3633925.90 20.24827 (21012320)
502321.98 3633925.90 21.58717 (21012320) 502371.98
3633925.90 22.73516 (21012320)
502421.98 3633925.90 23.90361 (21012320) 502471.98
3633925.90 24.76541 (21012320)
502521.98 3633925.90 25.43985 (21012320) 502571.98
3633925.90 25.79575 (21012320)

```
        502621.98   3633925.90       25.76011  (21012320)                502671.98
3633925.90       25.23360  (21012320)
        504771.98   3633925.90       62.13770  (21011221)                504821.98
3633925.90       57.37297  (20121406)
        504871.98   3633925.90       52.70989  (20021305)                504921.98
3633925.90       51.84485  (20021723)
        504971.98   3633925.90       51.07843  (19011606)                505021.98
3633925.90       47.00381  (20012223)
        505071.98   3633925.90       44.96766  (21022322)                505121.98
3633925.90       42.94653  (21022322)
        505171.98   3633925.90       40.33293  (21010422)                505221.98
3633925.90       39.28665  (19011923)
        502221.98   3633975.90       16.75910  (21012320)                502271.98
3633975.90       18.24450  (21012320)
        502321.98   3633975.90       19.91957  (21012320)                502371.98
3633975.90       21.66734  (21012320)
        502421.98   3633975.90       23.39906  (21012320)                502471.98
3633975.90       25.05638  (21012320)
        502521.98   3633975.90       26.64711  (21012320)                502571.98
3633975.90       28.02792  (21012320)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 850
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3633975.90       29.17755  (21012320)                502671.98
3633975.90       29.90040  (21012320)
        504771.98   3633975.90       61.80722  (20021723)                504821.98
3633975.90       58.92582  (19011606)
        504871.98   3633975.90       55.49358  (20081804)                504921.98
```

3633975.90 52.26513 (19121305)
504971.98 3633975.90 50.43333 (21022322) 505021.98
3633975.90 46.82265 (21010422)
505071.98 3633975.90 45.86016 (19011923) 505121.98
3633975.90 43.64951 (19011923)
505171.98 3633975.90 41.43209 (19012803) 505221.98
3633975.90 39.18938 (19012803)
502221.98 3634025.90 13.66529 (21012320) 502271.98
3634025.90 15.15468 (21012320)
502321.98 3634025.90 16.88917 (21012320) 502371.98
3634025.90 18.80595 (21012320)
502421.98 3634025.90 20.82267 (21012320) 502471.98
3634025.90 22.94486 (21012320)
502521.98 3634025.90 25.15091 (21012320) 502571.98
3634025.90 27.39412 (21012320)
502621.98 3634025.90 29.62401 (21012320) 502671.98
3634025.90 31.67697 (21012320)
504771.98 3634025.90 63.81591 (20081804) 504821.98
3634025.90 62.72754 (19121305)
504871.98 3634025.90 55.47585 (19121305) 504921.98
3634025.90 53.21930 (19011923)
504971.98 3634025.90 51.20924 (19011923) 505021.98
3634025.90 48.80842 (19012803)
505071.98 3634025.90 46.29260 (21121821) 505121.98
3634025.90 43.91230 (21121821)
505171.98 3634025.90 41.97679 (20121224) 505221.98
3634025.90 40.09288 (20121224)
502221.98 3634075.90 15.59326 (19083104) 502271.98
3634075.90 15.85562 (19083104)
502321.98 3634075.90 16.10238 (19083104) 502371.98
3634075.90 16.29414 (19083104)
502421.98 3634075.90 16.72903 (21012320) 502471.98
3634075.90 18.89157 (21012320)
502521.98 3634075.90 21.30522 (21012320) 502571.98
3634075.90 23.98018 (21012320)
502621.98 3634075.90 26.77214 (21012320) 502671.98
3634075.90 29.76091 (21012320)
504771.98 3634075.90 63.53417 (19011923) 504821.98
3634075.90 59.57419 (19011923)
504871.98 3634075.90 56.57707 (19012803) 504921.98
3634075.90 54.41777 (21121821)
504971.98 3634075.90 51.66495 (20121224) 505021.98
3634075.90 49.55740 (20121224)
505071.98 3634075.90 46.74407 (20020703) 505121.98
3634075.90 44.19200 (20020703)
505171.98 3634075.90 40.82112 (20020703) 505221.98
3634075.90 38.79812 (21022324)
502221.98 3634125.90 16.99432 (19083104) 502271.98
3634125.90 17.63671 (19083104)
502321.98 3634125.90 18.22984 (19083104) 502371.98

3634125.90   18.84204 (19083104)
        502421.98   3634125.90   19.40195 (19083104)   502471.98
3634125.90   19.92623 (19083104)
        502521.98   3634125.90   20.39628 (19083104)   502571.98
3634125.90   20.80256 (19083104)
        502621.98   3634125.90   21.41095 (21012320)   502671.98
3634125.90   24.59317 (21012320)
        504771.98   3634125.90   64.39068 (21121821)   504821.98
3634125.90   61.18512 (20121224)
        504871.98   3634125.90   57.53453 (20020703)   504921.98
3634125.90   55.02293 (20020703)
        504971.98   3634125.90   50.76921 (21022324)   505021.98
3634125.90   47.90714 (21022324)
        505071.98   3634125.90   46.45823 (20122520)   505121.98
3634125.90   44.16344 (21122121)
        505171.98   3634125.90   43.24994 (21122121)   505221.98
3634125.90   41.78291 (21122121)
        502221.98   3634175.90   17.07162 (19083104)   502271.98
3634175.90   17.95533 (19083104)
        502321.98   3634175.90   18.83905 (19083104)   502371.98
3634175.90   19.94598 (19083104)
        502421.98   3634175.90   20.90960 (19083104)   502471.98
3634175.90   21.89449 (19083104)
        502521.98   3634175.90   22.87905 (19083104)   502571.98
3634175.90   23.89000 (19083104)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                   INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        502621.98   3634175.90       24.89408  (19083104)               502671.98
3634175.90       25.91624  (19083104)
        504771.98   3634175.90       63.38971  (21022324)               504821.98
3634175.90       59.87457  (20122520)
        504871.98   3634175.90       58.34048  (21122121)               504921.98
3634175.90       56.81515  (21122121)
        504971.98   3634175.90       53.88417  (21122121)               505021.98
3634175.90       51.92097  (20121803)
        505071.98   3634175.90       49.76166  (20121803)               505121.98
3634175.90       46.36137  (20121803)
        505171.98   3634175.90       43.42784  (21122201)               505221.98
3634175.90       42.29710  (21122201)
        502221.98   3634225.90       15.90473  (19083104)               502271.98
3634225.90       16.86157  (19083104)
        502321.98   3634225.90       17.99212  (19083104)               502371.98
3634225.90       19.21757  (19083104)
        502421.98   3634225.90       20.44212  (19083104)               502471.98
3634225.90       21.73154  (19083104)
        502521.98   3634225.90       23.07886  (19083104)               502571.98
3634225.90       24.55299  (19083104)
        502621.98   3634225.90       26.10099  (19083104)               502671.98
3634225.90       27.76408  (19083104)
        504771.98   3634225.90       70.22378  (20121803)               504821.98
3634225.90       65.69913  (20121803)
        504871.98   3634225.90       60.56960  (21122201)               504921.98
3634225.90       57.22096  (21122201)
        504971.98   3634225.90       52.83453  (21122201)               505021.98
3634225.90       50.22107  (19021906)
        505071.98   3634225.90       47.61779  (19021906)               505121.98
3634225.90       44.49661  (19021906)
        505171.98   3634225.90       42.14173  (20022423)               505221.98
3634225.90       40.01155  (20013123)
        502221.98   3634275.90       13.65910  (19083104)               502271.98
3634275.90       14.57683  (19083104)
        502321.98   3634275.90       15.63343  (19083104)               502371.98
3634275.90       16.85102  (19083104)
        502421.98   3634275.90       18.07849  (19083104)               502471.98
3634275.90       19.40835  (19083104)
        502521.98   3634275.90       20.87119  (19083104)               502571.98
3634275.90       22.46767  (19083104)
        502621.98   3634275.90       24.24788  (19083104)               502671.98
3634275.90       26.20276  (19083104)
        504771.98   3634275.90       66.62010  (20031603)               504821.98
3634275.90       62.97680  (20031603)
        504871.98   3634275.90       60.10252  (20013123)               504921.98
3634275.90       57.34656  (20013123)
        504971.98   3634275.90       53.95952  (20013123)               505021.98
3634275.90       51.27932  (20013123)
        505071.98   3634275.90       48.29094  (20013123)               505121.98
3634275.90       45.13965  (20013123)
```

```
        505171.98   3634275.90       42.39956  (21121920)                505221.98
3634275.90       39.91513  (20013123)
        502221.98   3634325.90       13.18254  (20022619)                502271.98
3634325.90       13.79762  (20022619)
        502321.98   3634325.90       14.43877  (20022619)                502371.98
3634325.90       15.13346  (20022619)
        502421.98   3634325.90       15.87312  (20022619)                502471.98
3634325.90       16.65142  (20022619)
        502521.98   3634325.90       17.51306  (20022619)                502571.98
3634325.90       18.44144  (20022619)
        502621.98   3634325.90       19.70578  (19083104)                502671.98
3634325.90       21.47043  (19083104)
        504771.98   3634325.90       67.21121  (21013019)                504821.98
3634325.90       63.74935  (21013019)
        504871.98   3634325.90       60.29578  (21013019)                504921.98
3634325.90       56.19796  (21013019)
        504971.98   3634325.90       52.34782  (21013019)                505021.98
3634325.90       49.90516  (21013019)
        505071.98   3634325.90       46.91454  (21013019)                505121.98
3634325.90       43.45977  (21013019)
        505171.98   3634325.90       41.09549  (21013019)                505221.98
3634325.90       39.53135  (19122101)
        502221.98   3634375.90       17.42023  (21021102)                502271.98
3634375.90       18.26150  (21021102)
        502321.98   3634375.90       19.10186  (21021102)                502371.98
3634375.90       20.02025  (21021102)
        502421.98   3634375.90       21.13047  (21021102)                502471.98
3634375.90       22.33444  (21021102)
        502521.98   3634375.90       23.67319  (21021102)                502571.98
3634375.90       25.04668  (21021102)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 852
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634375.90	26.44107	(21021102)	502671.98	3634375.90	27.88275	(21021102)
504771.98	3634375.90	70.22326	(21021007)	504821.98	3634375.90	65.37385	(21021007)
504871.98	3634375.90	61.36098	(21021007)	504921.98	3634375.90	57.70197	(21021007)
504971.98	3634375.90	54.71133	(21021007)	505021.98	3634375.90	52.22581	(21021007)
505071.98	3634375.90	49.58535	(21021007)	505121.98	3634375.90	47.43361	(21021007)
505171.98	3634375.90	45.15295	(21021007)	505221.98	3634375.90	43.16277	(21021007)
502221.98	3634425.90	20.82500	(21021102)	502271.98	3634425.90	21.88472	(21021102)
502321.98	3634425.90	23.00577	(21021102)	502371.98	3634425.90	24.22327	(21021102)
502421.98	3634425.90	25.56241	(21021102)	502471.98	3634425.90	26.99336	(21021102)
502521.98	3634425.90	28.59753	(21021102)	502571.98	3634425.90	30.33917	(21021102)
502621.98	3634425.90	32.26636	(21021102)	502671.98	3634425.90	34.38187	(21021102)
504771.98	3634425.90	65.73828	(21101921)	504821.98	3634425.90	60.85851	(21101921)
504871.98	3634425.90	56.41420	(21101921)	504921.98	3634425.90	57.32183	(20082306)
504971.98	3634425.90	50.92328	(20082306)	505021.98	3634425.90	48.18949	(21101921)
505071.98	3634425.90	47.52026	(20082306)	505121.98	3634425.90	46.45246	(20082306)
505171.98	3634425.90	43.27164	(20082306)	505221.98	3634425.90	40.56888	(20082306)
502221.98	3634475.90	22.27053	(21021102)	502271.98	3634475.90	23.32889	(21021102)
502321.98	3634475.90	24.45783	(21021102)	502371.98	3634475.90	25.67278	(21021102)
502421.98	3634475.90	26.98072	(21021102)	502471.98	3634475.90	28.38121	(21021102)
502521.98	3634475.90	29.93064	(21021102)	502571.98	3634475.90	31.59228	(21021102)
502621.98	3634475.90	33.39460	(21021102)	502671.98	3634475.90	35.36133	(21021102)
504771.98	3634475.90	67.62080	(21013119)	504821.98	3634475.90	63.42154	(21013119)
504871.98	3634475.90	58.82418	(21013119)	504921.98			

3634475.90   60.58853 (20041201)
        504971.98   3634475.90   55.51733 (21013119)   505021.98
3634475.90   52.35704 (21013119)
        505071.98   3634475.90   50.95298 (20011720)   505121.98
3634475.90   48.23376 (20011720)
        505171.98   3634475.90   45.10449 (20011720)   505221.98
3634475.90   42.47452 (20011720)
        502221.98   3634525.90   21.41597 (21021102)   502271.98
3634525.90   22.24936 (21021102)
        502321.98   3634525.90   23.13158 (21021102)   502371.98
3634525.90   24.06537 (21021102)
        502421.98   3634525.90   25.03720 (21021102)   502471.98
3634525.90   26.06358 (21021102)
        502521.98   3634525.90   27.13404 (21021102)   502571.98
3634525.90   28.27017 (21021102)
        502621.98   3634525.90   29.45143 (21021102)   502671.98
3634525.90   30.72060 (21021102)
        504771.98   3634525.90   64.45084 (20041201)   504821.98
3634525.90   61.58376 (20041201)
        504871.98   3634525.90   66.61610 (20041201)   504921.98
3634525.90   74.47555 (20041201)
        504971.98   3634525.90   72.65488 (20041201)   505021.98
3634525.90   68.35578 (20041201)
        505071.98   3634525.90   64.15882 (20041201)   505121.98
3634525.90   59.04916 (20041201)
        505171.98   3634525.90   53.68994 (20041201)   505221.98
3634525.90   48.65847 (20041201)
        502221.98   3634575.90   18.56180 (21021102)   502271.98
3634575.90   19.01451 (21021102)
        502321.98   3634575.90   19.49632 (21021102)   502371.98
3634575.90   19.98614 (21021102)
        502421.98   3634575.90   20.47243 (21021102)   502471.98
3634575.90   20.94981 (21021102)
        502521.98   3634575.90   21.40026 (21021102)   502571.98
3634575.90   21.82836 (21021102)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                    INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634575.90	23.52302	(19050903)	502671.98	3634575.90	26.07093	(19050903)
504771.98	3634575.90	77.46043	(20081806)	504821.98	3634575.90	69.36377	(20081806)
504871.98	3634575.90	66.99238	(20081806)	504921.98	3634575.90	62.11494	(20081806)
504971.98	3634575.90	60.16213	(20041201)	505021.98	3634575.90	59.18533	(20041201)
505071.98	3634575.90	57.62293	(20041201)	505121.98	3634575.90	55.55311	(20041201)
505171.98	3634575.90	50.00135	(20041201)	505221.98	3634575.90	47.10868	(20041201)
502221.98	3634625.90	15.14488	(19101801)	502271.98	3634625.90	15.80347	(19101801)
502321.98	3634625.90	16.85018	(19050903)	502371.98	3634625.90	18.34303	(19050903)
502421.98	3634625.90	19.96859	(19050903)	502471.98	3634625.90	21.73953	(19050903)
502521.98	3634625.90	23.68361	(19050903)	502571.98	3634625.90	25.73882	(19050903)
502621.98	3634625.90	27.94087	(19050903)	502671.98	3634625.90	30.26235	(19050903)
504771.98	3634625.90	77.61056	(21032601)	504821.98	3634625.90	75.27889	(21032601)
504871.98	3634625.90	71.30847	(21032601)	504921.98	3634625.90	68.31425	(20081806)
504971.98	3634625.90	67.24056	(20081806)	505021.98	3634625.90	63.24996	(20081806)
505071.98	3634625.90	57.65624	(20081806)	505121.98	3634625.90	52.30301	(20081806)
505171.98	3634625.90	43.45001	(20081806)	505221.98	3634625.90	37.91513	(20081806)
502221.98	3634675.90	17.18802	(19050903)	502271.98	3634675.90	18.49175	(19050903)
502321.98	3634675.90	19.85438	(19050903)	502371.98	3634675.90	21.27224	(19050903)
502421.98	3634675.90	22.76682	(19050903)	502471.98	3634675.90	24.31176	(19050903)
502521.98	3634675.90	25.88861	(19050903)	502571.98	3634675.90	27.48645	(19050903)

```
        502621.98   3634675.90       29.05779  (19050903)               502671.98
3634675.90       30.53988  (19050903)
        504771.98   3634675.90       84.17287  (20081401)               504821.98
3634675.90       77.59080  (20081401)
        504871.98   3634675.90       65.94396  (21012820)               504921.98
3634675.90       62.72651  (21020220)
        504971.98   3634675.90       61.92604  (21032601)               505021.98
3634675.90       58.73896  (20081806)
        505071.98   3634675.90       55.99182  (20081806)               505121.98
3634675.90       53.98136  (20081806)
        505171.98   3634675.90       48.59330  (20081806)               505221.98
3634675.90       44.09789  (20081806)
        502221.98   3634725.90       18.96349  (19050903)               502271.98
3634725.90       20.05551  (19050903)
        502321.98   3634725.90       21.11221  (19050903)               502371.98
3634725.90       22.18471  (19050903)
        502421.98   3634725.90       23.26167  (19050903)               502471.98
3634725.90       24.25690  (19050903)
        502521.98   3634725.90       25.14376  (19050903)               502571.98
3634725.90       25.93220  (19050903)
        502621.98   3634725.90       26.53316  (19050903)               502671.98
3634725.90       26.92787  (19050903)
        504771.98   3634725.90       81.99903  (20082303)               504821.98
3634725.90       80.13280  (20081401)
        504871.98   3634725.90       82.56729  (20081401)               504921.98
3634725.90       62.97658  (20081401)
        504971.98   3634725.90       56.82193  (19022319)               505021.98
3634725.90       52.72220  (19022319)
        505071.98   3634725.90       46.69866  (19022319)               505121.98
3634725.90       41.49030  (19022319)
        505171.98   3634725.90       38.55728  (21020220)               505221.98
3634725.90       38.21654  (20081806)
        502221.98   3634775.90       19.20410  (19050903)               502271.98
3634775.90       19.90215  (19050903)
        502321.98   3634775.90       20.46725  (19050903)               502371.98
3634775.90       20.98298  (19050903)
        502421.98   3634775.90       21.39371  (19050903)               502471.98
3634775.90       21.68299  (19050903)
        502521.98   3634775.90       21.84605  (19050903)               502571.98
3634775.90       21.75193  (19050903)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 854
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
```

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634775.90	21.43643	(19050903)	502671.98	3634775.90	20.87188	(19050903)
504771.98	3634775.90	40.94390	(20082303)	504821.98	3634775.90	58.36406	(19042006)
504871.98	3634775.90	68.22362	(19042006)	504921.98	3634775.90	52.32455	(20082303)
504971.98	3634775.90	49.39346	(19030607)	505021.98	3634775.90	43.80739	(20082303)
505071.98	3634775.90	43.05128	(19022319)	505121.98	3634775.90	41.75814	(19022319)
505171.98	3634775.90	36.20769	(19022319)	505221.98	3634775.90	33.33713	(19022319)
502221.98	3634825.90	17.84423	(19050903)	502271.98	3634825.90	18.05680	(19050903)
502321.98	3634825.90	18.14128	(19050903)	502371.98	3634825.90	18.10246	(19050903)
502421.98	3634825.90	17.89906	(19050903)	502471.98	3634825.90	17.52457	(19050903)
502521.98	3634825.90	17.05512	(19050903)	502571.98	3634825.90	16.98673	(19120120)
502621.98	3634825.90	18.78149	(20021724)	502671.98	3634825.90	22.03793	(20021724)
504771.98	3634825.90	14.92219	(20082303)	504821.98	3634825.90	65.10532	(19022007)
504871.98	3634825.90	49.37488	(19022007)	504921.98	3634825.90	51.07443	(19030607)
504971.98	3634825.90	46.59143	(19030607)	505021.98	3634825.90	39.61958	(19030607)
505071.98	3634825.90	37.95419	(19030607)	505121.98	3634825.90	35.99178	(20082303)
505171.98	3634825.90	32.89461	(20082303)	505221.98	3634825.90	30.41594	(20082303)
502221.98	3634875.90	15.27612	(19050903)	502271.98	3634875.90	15.04275	(19050903)
502321.98	3634875.90	14.69864	(19050903)	502371.98			

```
3634875.90       14.23582  (19050903)
        502421.98   3634875.90       14.25361  (19120120)                502471.98
3634875.90       15.54171  (19120120)
        502521.98   3634875.90       17.54030  (20021724)                502571.98
3634875.90       20.25827  (20021724)
        502621.98   3634875.90       23.15480  (20021724)                502671.98
3634875.90       26.13202  (20021724)
        504771.98   3634875.90       11.63894  (21071520)                504821.98
3634875.90       43.84279  (20010802)
        504871.98   3634875.90       54.13309  (19022007)                504921.98
3634875.90       50.14993  (20121617)
        504971.98   3634875.90       43.07458  (20121617)                505021.98
3634875.90       37.37634  (20082024)
        505071.98   3634875.90       33.25945  (20082024)                505121.98
3634875.90       32.96994  (19030607)
        505171.98   3634875.90       31.33677  (19030607)                505221.98
3634875.90       29.76892  (19030607)
        502221.98   3634925.90       12.08304  (19050903)                502271.98
3634925.90       12.17220  (19120120)
        502321.98   3634925.90       13.22644  (19120120)                502371.98
3634925.90       14.27088  (20021724)
        502421.98   3634925.90       16.39748  (20021724)                502471.98
3634925.90       18.66241  (20021724)
        502521.98   3634925.90       21.05235  (20021724)                502571.98
3634925.90       23.45681  (20021724)
        502621.98   3634925.90       26.75299  (21011719)                502671.98
3634925.90       33.36769  (21011719)
        504771.98   3634925.90       14.83135  (21071520)                504821.98
3634925.90       45.98199  (20011806)
        504871.98   3634925.90       58.92879  (20010802)                504921.98
3634925.90       57.01430  (20082106)
        504971.98   3634925.90       47.43093  (20082106)                505021.98
3634925.90       36.74409  (20041202)
        505071.98   3634925.90       32.95510  (20072505)                505121.98
3634925.90       31.93261  (20082024)
        505171.98   3634925.90       30.64900  (20082024)                505221.98
3634925.90       29.61610  (20082024)
        502221.98   3634975.90       12.22502  (19120120)                502271.98
3634975.90       13.51247  (20021724)
        502321.98   3634975.90       15.32965  (20021724)                502371.98
3634975.90       17.26069  (20021724)
        502421.98   3634975.90       19.24578  (20021724)                502471.98
3634975.90       21.21077  (20021724)
        502521.98   3634975.90       24.21533  (21011719)                502571.98
3634975.90       29.70629  (21011719)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634975.90	35.02086	(21011719)	502671.98	3634975.90	39.38160	(21011719)
504821.98	3634975.90	45.28325	(20011806)	504871.98	3634975.90	53.50424	(21122806)
504921.98	3634975.90	54.60061	(20092620)	504971.98	3634975.90	53.88824	(20082106)
505021.98	3634975.90	45.27900	(20082106)	505071.98	3634975.90	36.84075	(20082106)
505121.98	3634975.90	34.19264	(20041202)	505171.98	3634975.90	32.71653	(20041202)
505221.98	3634975.90	31.01706	(20082024)	502221.98	3635025.90	14.36046	(20021724)
502271.98	3635025.90	16.01262	(20021724)	502321.98	3635025.90	17.68174	(20021724)
502371.98	3635025.90	19.31734	(20021724)	502421.98	3635025.90	22.04911	(21011719)
502471.98	3635025.90	26.68503	(21011719)	502521.98	3635025.90	31.14936	(21011719)
502571.98	3635025.90	34.84569	(21011719)	502621.98	3635025.90	37.11686	(21011719)
502671.98	3635025.90	37.36636	(21011719)	504871.98	3635025.90	55.28951	(19030707)
504921.98	3635025.90	59.20396	(20092620)	504971.98	3635025.90	56.14992	(20092620)
505021.98	3635025.90	46.79901	(20082106)	505071.98	3635025.90	44.43809	(20082106)
505121.98	3635025.90	43.72386	(20082106)	505171.98	3635025.90	39.32352	(20082106)
505221.98	3635025.90	33.29583	(20041202)	502221.98	3635075.90	16.30707	(20021724)

```
        502271.98   3635075.90       17.68760  (20021724)               502321.98
3635075.90       20.17801  (21011719)
        502371.98   3635075.90       24.13778  (21011719)               502421.98
3635075.90       27.93302  (21011719)
        502471.98   3635075.90       31.11128  (21011719)               502521.98
3635075.90       33.16506  (21011719)
        502571.98   3635075.90       33.63437  (21011719)               502621.98
3635075.90       32.23867  (21011719)
        502671.98   3635075.90       29.01158  (21011719)               504921.98
3635075.90       58.15774  (19030707)
        504971.98   3635075.90       57.01196  (20092620)               505021.98
3635075.90       53.13798  (20082302)
        505071.98   3635075.90       48.15418  (20082302)               505121.98
3635075.90       45.59111  (20082106)
        505171.98   3635075.90       45.36797  (20082106)               505221.98
3635075.90       42.56443  (20082106)
        502221.98   3635125.90       18.54969  (21011719)               502271.98
3635125.90       21.96843  (21011719)
        502321.98   3635125.90       25.23300  (21011719)               502371.98
3635125.90       27.99285  (21011719)
        502421.98   3635125.90       29.84988  (21011719)               502471.98
3635125.90       30.44016  (21011719)
        502521.98   3635125.90       29.53041  (21011719)               502571.98
3635125.90       27.09476  (21011719)
        502621.98   3635125.90       27.49116  (20022207)               502671.98
3635125.90       31.43948  (20022207)
        505021.98   3635125.90       50.34920  (20092620)               505071.98
3635125.90       53.59851  (20092620)
        505121.98   3635125.90       49.48602  (20092620)               505171.98
3635125.90       42.20341  (20092620)
        505221.98   3635125.90       41.51463  (20082106)               502221.98
3635175.90       22.93659  (21011719)
        502271.98   3635175.90       25.36086  (21011719)               502321.98
3635175.90       27.04220  (21011719)
        502371.98   3635175.90       27.69984  (21011719)               502421.98
3635175.90       27.12992  (21011719)
        502471.98   3635175.90       25.28410  (21011719)               502521.98
3635175.90       23.45675  (20022207)
        502571.98   3635175.90       27.07541  (20022207)               502621.98
3635175.90       30.21141  (20022207)
        502671.98   3635175.90       32.43013  (20022207)               505121.98
3635175.90       41.19034  (19030707)
        505171.98   3635175.90       38.47209  (19030707)               505221.98
3635175.90       38.15420  (20092620)
        502221.98   3635225.90       24.63764  (21011719)               502271.98
3635225.90       25.33235  (21011719)
        502321.98   3635225.90       25.00970  (21011719)               502371.98
3635225.90       23.61270  (21011719)
        502421.98   3635225.90       21.23146  (21011719)               502471.98
3635225.90       23.39877  (20022207)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502521.98	3635225.90	26.38938	(20022207)	502571.98	3635225.90	28.79259	(20022207)
502621.98	3635225.90	30.25561	(20022207)	502671.98	3635225.90	30.48516	(20022207)
502221.98	3635275.90	23.11161	(21011719)	502271.98	3635275.90	22.07018	(21011719)
502321.98	3635275.90	20.15301	(21011719)	502371.98	3635275.90	20.29603	(20022207)
502421.98	3635275.90	23.07875	(20022207)	502471.98	3635275.90	25.48854	(20022207)
502521.98	3635275.90	27.23452	(20022207)	502571.98	3635275.90	28.10236	(20022207)
502621.98	3635275.90	27.82236	(20022207)	502671.98	3635275.90	28.57187	(21012023)
502221.98	3635325.90	32.21438	(21011719)	502271.98	3635325.90	17.69384	(20022207)
502321.98	3635325.90	20.23619	(20022207)	502371.98	3635325.90	22.55792	(20022207)
502421.98	3635325.90	31.54044	(20022207)	502471.98	3635325.90	33.17380	(20022207)
502521.98	3635325.90	30.31477	(20022207)	502571.98	3635325.90	25.36533	(20022207)
502621.98	3635325.90	26.91462	(21012023)	502671.98	3635325.90	27.88435	(21012023)
502221.98	3635375.90	31.99426	(21040223)	502271.98			

3635375.90 20.00204 (20022207)
502321.98 3635375.90 26.58841 (20022207) 502371.98
3635375.90 32.31051 (21031323)
502421.98 3635375.90 37.12548 (19012005) 502471.98
3635375.90 39.38442 (19012005)
502521.98 3635375.90 31.57847 (21012023) 502571.98
3635375.90 27.73753 (21012023)
502621.98 3635375.90 25.93278 (21012023) 502671.98
3635375.90 25.27151 (21012023)
502221.98 3635425.90 33.44341 (21052423) 502271.98
3635425.90 24.97825 (20022207)
502321.98 3635425.90 30.71602 (19012005) 502371.98
3635425.90 33.92871 (19012005)
502421.98 3635425.90 35.56854 (19012005) 502471.98
3635425.90 37.12831 (20071201)
502521.98 3635425.90 36.82722 (21012023) 502571.98
3635425.90 36.04832 (21012023)
502621.98 3635425.90 33.48082 (21012023) 502671.98
3635425.90 32.69960 (20122721)
504771.98 3635425.90 20.10749 (21012617) 502221.98
3635475.90 31.24456 (21031323)
502271.98 3635475.90 31.83643 (19012005) 502321.98
3635475.90 33.63085 (19012005)
502371.98 3635475.90 33.64882 (19012005) 502421.98
3635475.90 35.28338 (20071201)
502471.98 3635475.90 38.95076 (20071201) 502521.98
3635475.90 34.69890 (21012023)
502571.98 3635475.90 31.55476 (21012023) 502621.98
3635475.90 32.10246 (20122721)
502671.98 3635475.90 36.94767 (20070801) 504771.98
3635475.90 45.68982 (21122618)
504821.98 3635475.90 47.05421 (21122618) 504871.98
3635475.90 45.01239 (21122618)
504921.98 3635475.90 36.57330 (21122618) 502221.98
3635525.90 39.10287 (19012005)
502271.98 3635525.90 33.54934 (19012005) 502321.98
3635525.90 33.10598 (19083024)
502371.98 3635525.90 32.79103 (20071201) 502421.98
3635525.90 33.96718 (21012023)
502471.98 3635525.90 34.49013 (21072005) 502521.98
3635525.90 31.21671 (21072005)
502571.98 3635525.90 34.10128 (21110406) 502621.98
3635525.90 37.52685 (20070801)
502671.98 3635525.90 39.29873 (20070801) 502721.98
3635525.90 43.83969 (20070802)
502771.98 3635525.90 48.53953 (20070802) 502821.98
3635525.90 48.16207 (19100620)
502871.98 3635525.90 50.71881 (19091321) 502921.98
3635525.90 54.28134 (19091321)
502971.98 3635525.90 57.58959 (20042421) 503021.98

3635525.90 59.13581 (20042421)
  503071.98 3635525.90 46.48167 (20042421) 503121.98
3635525.90 24.36608 (19121706)
  503171.98 3635525.90 20.61377 (19020322) 503221.98
3635525.90 50.64934 (20091222)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635525.90	55.26432	(19111601)	503321.98	3635525.90	56.68039	(20033120)
503371.98	3635525.90	62.36492	(20033120)	503421.98	3635525.90	67.27759	(20101023)
503471.98	3635525.90	67.02155	(21061224)	503521.98	3635525.90	76.38415	(19031924)
503571.98	3635525.90	64.86242	(20090823)	503621.98	3635525.90	57.62977	(21081004)
503671.98	3635525.90	57.43795	(19101219)	503721.98	3635525.90	58.21030	(19101219)
503771.98	3635525.90	64.67535	(20071102)	503821.98	3635525.90	55.54168	(20071102)
503871.98	3635525.90	54.42674	(19013104)	503921.98	3635525.90	72.14673	(19122420)
503971.98	3635525.90	73.39911	(19122420)	504021.98	3635525.90	58.22123	(20092001)
504071.98	3635525.90	24.20225	(21013118)	504121.98	3635525.90	29.37581	(21013118)
504171.98	3635525.90	31.14937	(21013118)	504221.98	3635525.90	29.06011	(21013118)

504271.98 3635525.90 23.97903 (21013118) 504321.98
3635525.90 17.69293 (21013118)
504371.98 3635525.90 11.81311 (21013118) 504421.98
3635525.90 9.92393 (20040223)
504471.98 3635525.90 12.36296 (20040223) 504521.98
3635525.90 14.44321 (20040223)
504571.98 3635525.90 17.75766 (20011620) 504621.98
3635525.90 20.53599 (20011620)
504671.98 3635525.90 22.16886 (20011620) 504721.98
3635525.90 44.21072 (21090701)
504771.98 3635525.90 41.48645 (21090701) 504821.98
3635525.90 44.91488 (21122618)
504871.98 3635525.90 47.68278 (21122618) 504921.98
3635525.90 41.08805 (21122618)
504971.98 3635525.90 35.42793 (21122618) 505021.98
3635525.90 33.71289 (20091421)
505071.98 3635525.90 27.49443 (21012617) 505121.98
3635525.90 32.24016 (19102623)
505171.98 3635525.90 33.98006 (19102623) 505221.98
3635525.90 32.31876 (19102623)
502221.98 3635575.90 38.26482 (19083024) 502271.98
3635575.90 33.50224 (20071201)
502321.98 3635575.90 32.29990 (20071201) 502371.98
3635575.90 32.43878 (21012023)
502421.98 3635575.90 33.24007 (21072005) 502471.98
3635575.90 31.76091 (21110406)
502521.98 3635575.90 33.12567 (21110406) 502571.98
3635575.90 35.38936 (20070801)
502621.98 3635575.90 36.70347 (20070801) 502671.98
3635575.90 41.40372 (20070802)
502721.98 3635575.90 47.04161 (20070802) 502771.98
3635575.90 46.46306 (19100620)
502821.98 3635575.90 48.19444 (19091321) 502871.98
3635575.90 53.33192 (19091321)
502921.98 3635575.90 53.78653 (20042421) 502971.98
3635575.90 60.05295 (20042421)
503021.98 3635575.90 54.24526 (20042421) 503071.98
3635575.90 50.32428 (20110924)
503121.98 3635575.90 20.64628 (19121706) 503171.98
3635575.90 20.52202 (19020322)
503221.98 3635575.90 62.35824 (20091222) 503271.98
3635575.90 59.75540 (19111601)
503321.98 3635575.90 65.86471 (20033120) 503371.98
3635575.90 67.71066 (19071201)
503421.98 3635575.90 70.94008 (20101023) 503471.98
3635575.90 65.94397 (21061224)
503521.98 3635575.90 71.73011 (19031924) 503571.98
3635575.90 66.47200 (20090823)
503621.98 3635575.90 64.11479 (21081004) 503671.98
3635575.90 62.06158 (19101219)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504221.98	3635575.90	28.47588	(21013118)	504271.98	3635575.90	24.70208	(21013118)
504321.98	3635575.90	19.18846	(21013118)	504371.98	3635575.90	13.48845	(21013118)
504421.98	3635575.90	8.72160	(19031219)	504471.98	3635575.90	10.18225	(20040223)
504521.98	3635575.90	12.32348	(20040223)	504571.98	3635575.90	14.38857	(20011620)
504621.98	3635575.90	17.44320	(20011620)	504671.98	3635575.90	19.76796	(20011620)
504721.98	3635575.90	26.96106	(20011620)	504771.98	3635575.90	41.15207	(21090701)
504821.98	3635575.90	39.78972	(21090701)	504871.98	3635575.90	42.26274	(21122618)
504921.98	3635575.90	29.31037	(21122618)	504971.98			

3635575.90 40.60183 (21122618)
505021.98 3635575.90 35.38887 (21122618) 505071.98
3635575.90 32.17362 (20091421)
505121.98 3635575.90 30.55818 (20091421) 505171.98
3635575.90 29.11644 (19102623)
505221.98 3635575.90 34.98660 (19102623) 502221.98
3635625.90 35.55253 (20071201)
502271.98 3635625.90 36.21402 (20071201) 502321.98
3635625.90 33.67965 (21072005)
502371.98 3635625.90 31.48619 (21072005) 502421.98
3635625.90 34.44845 (21110406)
502471.98 3635625.90 37.42374 (21110406) 502521.98
3635625.90 39.24996 (20070801)
502571.98 3635625.90 36.14753 (20070801) 502621.98
3635625.90 37.18568 (20070802)
502671.98 3635625.90 44.17077 (20070802) 502721.98
3635625.90 45.06263 (19100620)
502771.98 3635625.90 46.20603 (20111121) 502821.98
3635625.90 52.06475 (19091321)
502871.98 3635625.90 52.52912 (21061223) 502921.98
3635625.90 57.76178 (20042421)
502971.98 3635625.90 55.40053 (20042421) 503021.98
3635625.90 48.78578 (20110924)
503071.98 3635625.90 57.85864 (20110924) 503121.98
3635625.90 56.27508 (19073101)
503171.98 3635625.90 58.25687 (20091222) 503221.98
3635625.90 56.61121 (19111601)
503271.98 3635625.90 53.42747 (20033120) 503321.98
3635625.90 61.41629 (20033120)
503371.98 3635625.90 65.34877 (20101023) 503421.98
3635625.90 63.86657 (20101023)
503471.98 3635625.90 60.68088 (20120224) 503521.98
3635625.90 59.50938 (20090823)
503571.98 3635625.90 59.14329 (20090823) 503621.98
3635625.90 68.46409 (21081004)
503671.98 3635625.90 67.78243 (19101219) 503721.98
3635625.90 60.83208 (19101219)
503771.98 3635625.90 65.58359 (20071102) 503821.98
3635625.90 52.58024 (20071102)
503871.98 3635625.90 48.45049 (21061222) 503921.98
3635625.90 60.85869 (19122420)
503971.98 3635625.90 66.48608 (19122420) 504021.98
3635625.90 18.00395 (21041323)
504071.98 3635625.90 18.35466 (21013118) 504121.98
3635625.90 23.70007 (21013118)
504171.98 3635625.90 27.08904 (21013118) 504221.98
3635625.90 27.50025 (21013118)
504271.98 3635625.90 24.94100 (21013118) 504321.98
3635625.90 20.34224 (21013118)
504371.98 3635625.90 15.02022 (21013118) 504421.98

3635625.90   10.15451 (21013118)
        504471.98   3635625.90   8.26019 (20040223)   504521.98
3635625.90   10.33032 (20040223)
        504571.98   3635625.90   12.20111 (20040223)   504621.98
3635625.90   14.39616 (20011620)
        504671.98   3635625.90   17.06998 (20011620)   504721.98
3635625.90   18.99610 (20011620)
        504771.98   3635625.90   37.59530 (21090701)   504821.98
3635625.90   40.15998 (21090701)
        504871.98   3635625.90   36.08471 (21081602)   504921.98
3635625.90   24.91193 (21122618)
        504971.98   3635625.90   41.92580 (21122618)   505021.98
3635625.90   25.04285 (21122618)
        505071.98   3635625.90   21.16942 (21012617)   505121.98
3635625.90   30.93438 (20091421)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        502621.98   3635675.90       42.02555  (20070802)              502671.98
3635675.90       42.52946  (20070802)
        502721.98   3635675.90       43.90131  (20111121)              502771.98
3635675.90       47.81340  (19091321)
        502821.98   3635675.90       48.36413  (19071423)              502871.98
3635675.90       51.79861  (20042421)
        502921.98   3635675.90       48.99403  (19121706)              502971.98
3635675.90       46.70704  (19121706)
        503021.98   3635675.90       43.69740  (20110924)              503071.98
3635675.90       45.21414  (20110924)
        503121.98   3635675.90       44.30598  (19073101)              503171.98
3635675.90       44.94672  (20091222)
        503221.98   3635675.90       45.32237  (19111601)              503271.98
3635675.90       47.30304  (20033120)
        503321.98   3635675.90       49.22797  (19071201)              503371.98
3635675.90       55.02142  (20101023)
        503421.98   3635675.90       55.97385  (20120224)              503471.98
3635675.90       57.28717  (20120224)
        503521.98   3635675.90       53.05334  (20090823)              503571.98
3635675.90       55.13372  (21081004)
        503621.98   3635675.90       64.18608  (21081004)              503671.98
3635675.90       65.49408  (19101219)
        503721.98   3635675.90       58.46265  (19021305)              503771.98
3635675.90       64.26020  (20071102)
        503821.98   3635675.90       52.45069  (20071102)              503871.98
3635675.90       50.36302  (21061222)
        503921.98   3635675.90       59.84065  (19122420)              503971.98
3635675.90       65.86388  (19122420)
        504021.98   3635675.90       46.51966  (19122420)              504071.98
3635675.90       15.91615  (21013118)
        504121.98   3635675.90       21.10091  (21013118)              504171.98
3635675.90       24.90456  (21013118)
        504221.98   3635675.90       26.23932  (21013118)              504271.98
3635675.90       24.78917  (21013118)
        504321.98   3635675.90       21.12518  (21013118)              504371.98
3635675.90       16.34388  (21013118)
        504421.98   3635675.90       11.57177  (21013118)              504471.98
3635675.90        7.80084  (19031219)
        504521.98   3635675.90        8.52346  (20040223)              504571.98
3635675.90       10.39123  (20040223)
        504621.98   3635675.90       11.99758  (20040223)              504671.98
3635675.90       14.32004  (20011620)
        504721.98   3635675.90       16.64146  (20011620)              504771.98
3635675.90       35.25590  (21090701)
        504821.98   3635675.90       37.17815  (21090701)              504871.98
3635675.90       36.75992  (21090701)
        504921.98   3635675.90       21.85131  (20011620)              504971.98
3635675.90       38.77618  (21122618)
        505021.98   3635675.90       38.72070  (21122618)              505071.98
3635675.90       26.30998  (21122618)
```

```
        505121.98   3635675.90       32.54555  (21122618)                505171.98
3635675.90       29.40726  (20091421)
        505221.98   3635675.90       23.77705  (20091421)                502221.98
3635725.90       33.36091  (21012023)
        502271.98   3635725.90       29.95645  (21072005)                502321.98
3635725.90       31.58172  (20121101)
        502371.98   3635725.90       33.79139  (21110406)                502421.98
3635725.90       35.35664  (20070801)
        502471.98   3635725.90       34.39466  (20070801)                502521.98
3635725.90       34.99433  (20070802)
        502571.98   3635725.90       40.22526  (20070802)                502621.98
3635725.90       40.71807  (20070802)
        502671.98   3635725.90       41.47174  (20111121)                502721.98
3635725.90       45.11386  (19091321)
        502771.98   3635725.90       45.96498  (19091321)                502821.98
3635725.90       46.97566  (20042421)
        502871.98   3635725.90       49.27144  (20042421)                502921.98
3635725.90       47.44732  (19121706)
        502971.98   3635725.90       40.16191  (19121706)                503021.98
3635725.90       39.72826  (21100523)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 860
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        503071.98   3635725.90       40.28827  (21021621)                503121.98
3635725.90       43.85534  (21021621)
        503171.98   3635725.90       42.09884  (21112718)                503221.98
3635725.90       42.30617  (19050823)
        503271.98   3635725.90       43.80694  (19050823)                503321.98
```

3635725.90 45.39067 (21100603)
503371.98 3635725.90 47.51924 (20101023) 503421.98
3635725.90 56.01079 (20120224)
503471.98 3635725.90 52.56240 (20120224) 503521.98
3635725.90 50.53254 (20090823)
503571.98 3635725.90 54.40262 (21081004) 503621.98
3635725.90 57.92036 (21081004)
503671.98 3635725.90 62.26835 (19101219) 503721.98
3635725.90 55.27723 (19021305)
503771.98 3635725.90 60.72600 (20071102) 503821.98
3635725.90 50.58213 (20071102)
503871.98 3635725.90 50.23806 (21061222) 503921.98
3635725.90 55.72936 (19013104)
503971.98 3635725.90 65.45873 (19122420) 504021.98
3635725.90 49.30508 (19122420)
504071.98 3635725.90 47.31076 (20092001) 504121.98
3635725.90 24.13529 (21060422)
504171.98 3635725.90 22.71630 (21013118) 504221.98
3635725.90 40.03079 (21060422)
504271.98 3635725.90 40.91675 (19012903) 504321.98
3635725.90 21.56137 (21013118)
504371.98 3635725.90 17.41242 (21013118) 504421.98
3635725.90 12.88544 (21013118)
504471.98 3635725.90 8.81281 (21013118) 504521.98
3635725.90 27.01181 (19022602)
504571.98 3635725.90 8.71317 (20040223) 504621.98
3635725.90 10.37041 (20040223)
504671.98 3635725.90 25.61507 (21121422) 504721.98
3635725.90 14.17532 (20011620)
504771.98 3635725.90 16.18014 (20011620) 504821.98
3635725.90 26.17177 (21090701)
504871.98 3635725.90 19.94580 (20011620) 504921.98
3635725.90 22.28689 (20011620)
504971.98 3635725.90 33.55757 (21081602) 505021.98
3635725.90 38.10414 (21122618)
505071.98 3635725.90 36.51851 (21122618) 505121.98
3635725.90 37.05817 (21122618)
505171.98 3635725.90 31.10883 (21122618) 505221.98
3635725.90 27.41068 (20091421)
502221.98 3635775.90 29.70443 (20122721) 502271.98
3635775.90 30.93293 (20122721)
502321.98 3635775.90 31.57179 (20122721) 502371.98
3635775.90 33.67898 (20070801)
502421.98 3635775.90 32.42638 (20070801) 502471.98
3635775.90 32.75261 (20070802)
502521.98 3635775.90 37.41720 (20070802) 502571.98
3635775.90 38.95826 (20070802)
502621.98 3635775.90 38.84875 (20111121) 502671.98
3635775.90 41.35831 (19091321)
502721.98 3635775.90 44.75564 (19091321) 502771.98

3635775.90   44.18109 (19071423)
        502821.98   3635775.90   47.92142 (20042421)   502871.98
3635775.90   44.23753 (19121706)
        502921.98   3635775.90   41.69163 (19121706)   502971.98
3635775.90   36.28088 (21100523)
        503021.98   3635775.90   38.67958 (21100523)   503071.98
3635775.90   41.79179 (21021621)
        503121.98   3635775.90   41.32930 (21021621)   503171.98
3635775.90   40.23643 (21112718)
        503221.98   3635775.90   46.17994 (19050823)   503271.98
3635775.90   44.01148 (19050823)
        503321.98   3635775.90   47.97593 (21100603)   503371.98
3635775.90   47.41855 (20120224)
        503421.98   3635775.90   54.98968 (20120224)   503471.98
3635775.90   49.31754 (19072124)
        503521.98   3635775.90   47.47579 (21021806)   503571.98
3635775.90   48.12536 (21021806)
        503621.98   3635775.90   47.17485 (21081004)   503671.98
3635775.90   56.55492 (19101219)
        503721.98   3635775.90   52.87328 (19021305)   503771.98
3635775.90   57.34463 (20071102)
        503821.98   3635775.90   48.35841 (20071102)   503871.98
3635775.90   49.35214 (21061222)
        503921.98   3635775.90   53.76261 (19013104)   503971.98
3635775.90   64.61743 (19122420)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                   INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

504021.98 3635775.90 52.79204 (19122420) 504071.98 3635775.90 52.67982 (20092001)
504121.98 3635775.90 49.22863 (20092001) 504171.98 3635775.90 47.26354 (21060422)
504221.98 3635775.90 45.24339 (21060422) 504271.98 3635775.90 41.50386 (19012903)
504321.98 3635775.90 41.53089 (20121721) 504371.98 3635775.90 25.84564 (20121721)
504421.98 3635775.90 14.05146 (21013118) 504471.98 3635775.90 26.19625 (20092821)
504521.98 3635775.90 38.72110 (19022602) 504571.98 3635775.90 7.21225 (20040223)
504621.98 3635775.90 31.95153 (21121422) 504671.98 3635775.90 20.67581 (21121422)
504721.98 3635775.90 11.78391 (20011620) 504771.98 3635775.90 13.97391 (20011620)
504821.98 3635775.90 15.69590 (20011620) 504871.98 3635775.90 16.74713 (20011620)
504921.98 3635775.90 21.83003 (20011620) 504971.98 3635775.90 34.23297 (21090701)
505021.98 3635775.90 33.62633 (21081602) 505071.98 3635775.90 34.51205 (21122618)
505121.98 3635775.90 37.03162 (21122618) 505171.98 3635775.90 34.84966 (21122618)
505221.98 3635775.90 29.62158 (21122618) 502221.98 3635825.90 32.91426 (20122721)
502271.98 3635825.90 31.51532 (20122721) 502321.98 3635825.90 31.01265 (20070801)
502371.98 3635825.90 30.93840 (20070801) 502421.98 3635825.90 30.51567 (20070802)
502471.98 3635825.90 35.16651 (20070802) 502521.98 3635825.90 36.37710 (20070802)
502571.98 3635825.90 36.19008 (21121424) 502621.98 3635825.90 38.04045 (19091321)
502671.98 3635825.90 41.80786 (19091321) 502721.98 3635825.90 41.69998 (19071423)
502771.98 3635825.90 45.61475 (20042421) 502821.98 3635825.90 44.39150 (20042421)
502871.98 3635825.90 40.88852 (19121706) 502921.98 3635825.90 33.96263 (19121706)
502971.98 3635825.90 35.80415 (21100523) 503021.98 3635825.90 38.39822 (21021621)
503071.98 3635825.90 41.18571 (21021621) 503121.98 3635825.90 40.24046 (21112718)
503171.98 3635825.90 40.86278 (19050823) 503221.98 3635825.90 44.40694 (19050823)
503271.98 3635825.90 44.16241 (21100603) 503321.98 3635825.90 45.12847 (21100603)
503371.98 3635825.90 48.67671 (20120224) 503421.98 3635825.90 52.35174 (20120224)

```
        503471.98   3635825.90       47.85601  (19072124)                503521.98
3635825.90       43.07763  (19051001)
        503571.98   3635825.90       46.51054  (19051001)                503621.98
3635825.90       41.73443  (19080922)
        503671.98   3635825.90       47.69302  (19101219)                503721.98
3635825.90       47.82243  (21041324)
        503771.98   3635825.90       53.95957  (20071102)                503821.98
3635825.90       45.43214  (20071102)
        503871.98   3635825.90       45.58342  (21061222)                503921.98
3635825.90       50.54635  (19013104)
        503971.98   3635825.90       60.05447  (19122420)                504021.98
3635825.90       56.12440  (19122420)
        504071.98   3635825.90       51.85538  (20092001)                504121.98
3635825.90       57.44004  (20092001)
        504171.98   3635825.90       51.19936  (21060422)                504221.98
3635825.90       50.09258  (21060422)
        504271.98   3635825.90       45.70755  (21070824)                504321.98
3635825.90       44.91030  (19012903)
        504371.98   3635825.90       45.01111  (20121721)                504421.98
3635825.90       41.51811  (20121721)
        504471.98   3635825.90       39.70934  (20092821)                504521.98
3635825.90       37.60911  (19022602)
        504571.98   3635825.90       38.09863  (19022602)                504621.98
3635825.90       35.34885  (19022602)
        504671.98   3635825.90       27.37794  (21121422)                504721.98
3635825.90       10.17396  (20040223)
        504771.98   3635825.90       11.78762  (20011620)                504821.98
3635825.90       17.48346  (20011620)
        504871.98   3635825.90       25.09326  (21090701)                504921.98
3635825.90       24.73471  (21090701)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 862
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504971.98	3635825.90	32.36642	(21090701)	505021.98	3635825.90	31.71741	(21090701)
505071.98	3635825.90	31.34092	(21081602)	505121.98	3635825.90	34.31199	(21122618)
505171.98	3635825.90	35.95827	(21122618)	505221.98	3635825.90	33.72433	(21122618)
502221.98	3635875.90	33.18935	(20122721)	502271.98	3635875.90	29.47123	(20122721)
502321.98	3635875.90	28.66328	(20070801)	502371.98	3635875.90	28.94486	(20070802)
502421.98	3635875.90	32.82989	(20070802)	502471.98	3635875.90	34.51852	(20070802)
502521.98	3635875.90	35.18637	(21121424)	502571.98	3635875.90	35.87873	(21121424)
502621.98	3635875.90	37.57308	(19091321)	502671.98	3635875.90	38.18868	(19071423)
502721.98	3635875.90	41.24318	(20042421)	502771.98	3635875.90	43.24990	(20042421)
502821.98	3635875.90	39.99919	(19121706)	502871.98	3635875.90	35.51381	(19121706)
502921.98	3635875.90	35.11146	(21100523)	502971.98	3635875.90	34.77462	(21100523)
503021.98	3635875.90	39.07900	(21021621)	503071.98	3635875.90	38.38858	(21021621)
503121.98	3635875.90	38.60315	(21112718)	503171.98	3635875.90	41.71180	(19050823)
503221.98	3635875.90	41.80524	(19050823)	503271.98	3635875.90	43.88035	(21100603)
503321.98	3635875.90	41.51903	(21100603)	503371.98	3635875.90	48.73584	(20120224)
503421.98	3635875.90	48.72303	(20120224)	503471.98	3635875.90	45.86640	(19072124)
503521.98	3635875.90	41.64020	(19051001)	503571.98	3635875.90	44.39282	(19051001)
503621.98	3635875.90	39.63570	(19080922)	503671.98	3635875.90	45.55462	(19101219)
503721.98	3635875.90	46.17223	(21012024)	503771.98	3635875.90	49.96879	(20071102)
503821.98	3635875.90	42.09235	(20071102)	503871.98	3635875.90	39.45628	(21061222)
503921.98	3635875.90	46.07095	(19013104)	503971.98	3635875.90	55.89391	(19122420)
504021.98	3635875.90	56.89405	(19122420)	504071.98	3635875.90	49.23727	(21062624)
504121.98	3635875.90	54.47592	(20092001)	504171.98			

3635875.90   50.08139 (21060422)
        504221.98   3635875.90   53.17847 (21060422)   504271.98
3635875.90   44.51627 (21070824)
        504321.98   3635875.90   46.57479 (19012903)   504371.98
3635875.90   48.17711 (20121721)
        504421.98   3635875.90   50.16933 (20121721)   504471.98
3635875.90   42.60273 (20092821)
        504521.98   3635875.90   37.89920 (20092821)   504571.98
3635875.90   38.19931 (19022602)
        504621.98   3635875.90   37.89883 (19022602)   504671.98
3635875.90   35.48284 (21121422)
        504721.98   3635875.90   8.88564 (20040223)   504771.98
3635875.90   10.00888 (20040223)
        504821.98   3635875.90   17.43340 (21061321)   504871.98
3635875.90   19.38387 (21061321)
        504921.98   3635875.90   24.97533 (21090701)   504971.98
3635875.90   30.90696 (21090701)
        505021.98   3635875.90   31.17943 (21090701)   505071.98
3635875.90   29.10094 (21090701)
        505121.98   3635875.90   29.64556 (21122618)   505171.98
3635875.90   33.44781 (21122618)
        505221.98   3635875.90   34.86679 (21122618)   502221.98
3635925.90   30.79670 (20122721)
        502271.98   3635925.90   28.50600 (19031105)   502321.98
3635925.90   27.23831 (20040823)
        502371.98   3635925.90   31.32657 (20070802)   502421.98
3635925.90   32.50059 (20070802)
        502471.98   3635925.90   33.24004 (21121424)   502521.98
3635925.90   35.50454 (21121424)
        502571.98   3635925.90   34.21266 (19091321)   502621.98
3635925.90   34.62395 (19071423)
        502671.98   3635925.90   36.35814 (20042421)   502721.98
3635925.90   39.83250 (20042421)
        502771.98   3635925.90   38.52896 (19121706)   502821.98
3635925.90   36.35617 (19121706)

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                   INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502871.98	3635925.90	32.98753	(20110924)	502921.98	3635925.90	34.47694	(21100523)
502971.98	3635925.90	35.50313	(21021621)	503021.98	3635925.90	38.03871	(21021621)
503071.98	3635925.90	37.38459	(21112718)	503121.98	3635925.90	37.08662	(19050823)
503171.98	3635925.90	41.18587	(19050823)	503221.98	3635925.90	39.34440	(21100603)
503271.98	3635925.90	42.38570	(21100603)	503321.98	3635925.90	39.51881	(19080122)
503371.98	3635925.90	48.13878	(20120224)	503421.98	3635925.90	44.66351	(19072124)
503471.98	3635925.90	41.94739	(19072124)	503521.98	3635925.90	40.96248	(19051001)
503571.98	3635925.90	42.13572	(19051001)	503621.98	3635925.90	36.84282	(19080922)
503671.98	3635925.90	43.14157	(21041324)	503721.98	3635925.90	45.01124	(21041324)
503771.98	3635925.90	43.56053	(20071102)	503821.98	3635925.90	38.29125	(20071102)
503871.98	3635925.90	37.76048	(21061222)	503921.98	3635925.90	43.38944	(19013104)
503971.98	3635925.90	51.72597	(19122420)	504021.98	3635925.90	54.68747	(19122420)
504071.98	3635925.90	47.47069	(21062624)	504121.98	3635925.90	50.03776	(20092001)
504171.98	3635925.90	47.94347	(20092001)	504221.98	3635925.90	47.61048	(21060422)
504271.98	3635925.90	44.70582	(21060422)	504321.98	3635925.90	43.06208	(21070824)
504371.98	3635925.90	46.70940	(19012903)	504421.98	3635925.90	51.14683	(20121721)
504471.98	3635925.90	48.20826	(20121721)	504521.98	3635925.90	45.13699	(20092821)
504571.98	3635925.90	36.67169	(19022602)	504621.98	3635925.90	36.69575	(19022602)
504671.98	3635925.90	35.20434	(19022602)	504721.98	3635925.90	35.12027	(21121422)
504771.98	3635925.90	32.34740	(21121422)	504821.98	3635925.90	10.45049	(20011620)

```
        504871.98   3635925.90       14.48509  (20011620)                504921.98
3635925.90       18.17134  (20011620)
        504971.98   3635925.90       27.03987  (21090701)                505021.98
3635925.90       31.56990  (21090701)
        505071.98   3635925.90       32.56444  (21090701)                505121.98
3635925.90       29.07933  (21090701)
        505171.98   3635925.90       29.05211  (21122618)                505221.98
3635925.90       35.06586  (21122618)
        502221.98   3635975.90       29.83582  (19031105)                502271.98
3635975.90       27.67652  (19031105)
        502321.98   3635975.90       26.44787  (20070802)                502371.98
3635975.90       30.66169  (20070802)
        502421.98   3635975.90       31.95402  (21121424)                502471.98
3635975.90       33.81798  (21121424)
        502521.98   3635975.90       33.04128  (21121424)                502571.98
3635975.90       33.67878  (19091321)
        502621.98   3635975.90       33.40316  (19071423)                502671.98
3635975.90       36.13926  (20042421)
        502721.98   3635975.90       37.76132  (19121706)                502771.98
3635975.90       36.52083  (19121706)
        502821.98   3635975.90       30.87140  (19121706)                502871.98
3635975.90       31.84608  (20110924)
        502921.98   3635975.90       32.45323  (20070104)                502971.98
3635975.90       35.90033  (21021621)
        503021.98   3635975.90       35.56742  (21021621)                503071.98
3635975.90       35.88228  (21112718)
        503121.98   3635975.90       38.09813  (19050823)                503171.98
3635975.90       39.31321  (19050823)
        503221.98   3635975.90       39.70754  (21100603)                503271.98
3635975.90       40.02902  (21100603)
        503321.98   3635975.90       41.25498  (20120224)                503371.98
3635975.90       46.89335  (20120224)
        503421.98   3635975.90       43.06372  (19072124)                503471.98
3635975.90       38.45512  (20052321)
        503521.98   3635975.90       40.80853  (19051001)                503571.98
3635975.90       39.01571  (19051001)
        503621.98   3635975.90       35.96974  (19101219)                503671.98
3635975.90       42.39731  (21041324)
        503721.98   3635975.90       43.88667  (21041324)                503771.98
3635975.90       41.88494  (19072223)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 864
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
```

INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503821.98	3635975.90	35.92422	(19072223)	503871.98	3635975.90	34.94630	(21061222)
503921.98	3635975.90	40.59630	(19013104)	503971.98	3635975.90	48.21255	(19122420)
504021.98	3635975.90	51.04626	(19122420)	504071.98	3635975.90	42.49724	(21062101)
504121.98	3635975.90	42.57765	(20092001)	504171.98	3635975.90	41.66649	(20092001)
504221.98	3635975.90	40.59256	(21060422)	504271.98	3635975.90	41.91074	(21060422)
504321.98	3635975.90	42.83305	(21013118)	504371.98	3635975.90	40.48656	(19012903)
504421.98	3635975.90	43.26453	(20121721)	504471.98	3635975.90	46.93751	(20121721)
504521.98	3635975.90	45.42845	(20092821)	504571.98	3635975.90	41.65048	(20092821)
504621.98	3635975.90	42.56987	(19022602)	504671.98	3635975.90	43.32587	(19022602)
504721.98	3635975.90	38.89480	(21121422)	504771.98	3635975.90	38.22593	(21121422)
504821.98	3635975.90	31.87714	(21121422)	504871.98	3635975.90	24.80913	(21121422)
504921.98	3635975.90	22.27180	(21061321)	504971.98	3635975.90	24.47792	(21061321)
505021.98	3635975.90	27.69499	(21090701)	505071.98	3635975.90	31.20270	(21090701)
505121.98	3635975.90	30.97084	(21090701)	505171.98	3635975.90	28.58229	(21081602)
505221.98	3635975.90	28.35041	(21122618)	501721.98	3632475.90	2.96520	(19010119)
501821.98	3632475.90	2.88775	(21030103)	501921.98	3632475.90	4.34886	(21030103)
502021.98	3632475.90	6.11339	(21030103)	502121.98	3632475.90	7.89928	(21030103)
502221.98	3632475.90	9.25986	(21030103)	502321.98			

```
3632475.90        9.72602  (21030103)
        502421.98   3632475.90       12.57178  (20121603)                502521.98
3632475.90       14.51113  (20121603)
        502621.98   3632475.90       14.10741  (20121603)                502721.98
3632475.90       11.57868  (21063005)
        502821.98   3632475.90       11.77289  (21063005)                502921.98
3632475.90       19.38776  (20102407)
        503021.98   3632475.90       24.48820  (20082723)                503121.98
3632475.90       25.80002  (19050103)
        503221.98   3632475.90       37.99081  (19081924)                503321.98
3632475.90       29.67430  (21092304)
        503421.98   3632475.90       33.75350  (19101521)                503721.98
3632475.90       35.75468  (21020203)
        503821.98   3632475.90       35.65008  (20082921)                503921.98
3632475.90       27.61408  (20082921)
        504021.98   3632475.90       24.42927  (20080820)                504121.98
3632475.90       25.68315  (20022622)
        504221.98   3632475.90       25.43908  (21011302)                504321.98
3632475.90       25.40175  (21022205)
        504421.98   3632475.90       26.32060  (20022403)                504521.98
3632475.90       24.41984  (20052501)
        504621.98   3632475.90       23.43217  (20042404)                504721.98
3632475.90       23.04387  (20112701)
        504821.98   3632475.90       22.80606  (20112022)                504921.98
3632475.90       22.75504  (21011323)
        505021.98   3632475.90       22.24997  (20011902)                505121.98
3632475.90       21.80217  (19022705)
        505221.98   3632475.90       20.88109  (20121007)                505321.98
3632475.90       20.44270  (21011520)
        505421.98   3632475.90       19.77694  (21010522)                505521.98
3632475.90       19.24142  (20122923)
        505621.98   3632475.90       18.09454  (20100121)                505721.98
3632475.90       18.64108  (21022502)
        501721.98   3632575.90        3.63610  (19010119)                501821.98
3632575.90        3.26698  (19010119)
        501921.98   3632575.90        3.18643  (21030103)                502021.98
3632575.90        4.84699  (21030103)
        502121.98   3632575.90        6.83761  (21030103)                502221.98
3632575.90        8.79723  (21030103)
        502321.98   3632575.90       10.17184  (21030103)                502421.98
3632575.90       11.08420  (20121603)
        502521.98   3632575.90       14.41611  (20121603)                502621.98
3632575.90       15.78748  (20121603)
        502721.98   3632575.90       14.27569  (20121603)                502821.98
3632575.90       12.84688  (21063005)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 ,
L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502921.98	3632575.90	16.40081	(20102407)	503021.98	3632575.90	23.76724	(20082723)
503121.98	3632575.90	26.26908	(20111701)	503221.98	3632575.90	38.38444	(19081924)
503321.98	3632575.90	35.53543	(19081924)	503421.98	3632575.90	36.33097	(19110606)
503721.98	3632575.90	36.40508	(21020203)	503821.98	3632575.90	36.01562	(20082921)
503921.98	3632575.90	23.27291	(20081802)	504021.98	3632575.90	27.32909	(19032124)
504121.98	3632575.90	28.40232	(21013120)	504221.98	3632575.90	24.90153	(21011302)
504321.98	3632575.90	27.71911	(21022205)	504421.98	3632575.90	26.47209	(21011620)
504521.98	3632575.90	26.58894	(21013021)	504621.98	3632575.90	25.75292	(21120723)
504721.98	3632575.90	25.26357	(20101423)	504821.98	3632575.90	24.68539	(21011323)
504921.98	3632575.90	24.33978	(21010102)	505021.98	3632575.90	23.09910	(21022803)
505121.98	3632575.90	23.12792	(21021820)	505221.98	3632575.90	22.62288	(21011520)
505321.98	3632575.90	21.49510	(21010522)	505421.98	3632575.90	20.63811	(20122923)
505521.98	3632575.90	19.30208	(20100121)	505621.98	3632575.90	20.06902	(21022502)
505721.98	3632575.90	18.10085	(21010602)	501721.98	3632675.90	4.25500	(19010119)
501821.98	3632675.90	4.00755	(19010119)	501921.98	3632675.90	3.61473	(19010119)

```
        502021.98   3632675.90        3.53234  (21030103)               502121.98
3632675.90        5.42994  (21030103)
        502221.98   3632675.90        7.68492  (21030103)               502321.98
3632675.90        9.83202  (21030103)
        502421.98   3632675.90       11.17973  (21030103)               502521.98
3632675.90       13.14873  (20121603)
        502621.98   3632675.90       16.37962  (20121603)               502721.98
3632675.90       16.82956  (20121603)
        502821.98   3632675.90       27.22687  (20092124)               502921.98
3632675.90       34.89572  (20092124)
        503021.98   3632675.90       28.60382  (20082723)               503721.98
3632675.90       38.26435  (21020203)
        503821.98   3632675.90       39.03242  (20082921)               503921.98
3632675.90       28.69676  (20081802)
        504021.98   3632675.90       29.95785  (19032124)               504121.98
3632675.90       31.41002  (21013120)
        504221.98   3632675.90       27.84639  (19102905)               504321.98
3632675.90       29.77194  (19121107)
        504421.98   3632675.90       29.86168  (21011620)               504521.98
3632675.90       26.58994  (21013021)
        504621.98   3632675.90       26.83458  (21120723)               504721.98
3632675.90       26.12876  (20112022)
        504821.98   3632675.90       26.18069  (21120804)               504921.98
3632675.90       25.50041  (20011902)
        505021.98   3632675.90       24.69517  (21021820)               505121.98
3632675.90       24.33299  (21011520)
        505221.98   3632675.90       23.08111  (21010522)               505321.98
3632675.90       22.05814  (20122923)
        505421.98   3632675.90       20.63527  (20100121)               505521.98
3632675.90       21.60029  (21022502)
        505621.98   3632675.90       19.53196  (21010602)               505721.98
3632675.90       19.96885  (20021702)
        502421.98   3632775.90       11.02022  (21030103)               502521.98
3632775.90       21.98529  (21030103)
        502621.98   3632775.90       22.12166  (21031822)               502721.98
3632775.90       18.36509  (20121603)
        502821.98   3632775.90       26.47374  (20092124)               502921.98
3632775.90       36.48408  (20090205)
        503021.98   3632775.90       37.69513  (20090205)               503121.98
3632775.90       37.50489  (20111701)
        503221.98   3632775.90       35.50166  (20111701)               503621.98
3632775.90       42.27658  (20050102)
        503721.98   3632775.90       41.52562  (21020203)               503821.98
3632775.90       39.26125  (20082921)
        503921.98   3632775.90       31.79485  (20032501)               504021.98
3632775.90       31.93745  (20022622)
        504121.98   3632775.90       32.66964  (21013120)               504221.98
3632775.90       31.45109  (19102905)
        504321.98   3632775.90       33.17923  (20022403)               504421.98
3632775.90       30.64965  (20052501)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES ***
INCLUDING SOURCE(S): L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504521.98	3632775.90	29.85359	(20042404)	504621.98	3632775.90	29.17967	(20101423)
504721.98	3632775.90	29.00715	(21011323)	504821.98	3632775.90	27.64716	(21010102)
504921.98	3632775.90	27.20021	(19022705)	505021.98	3632775.90	25.94596	(20121007)
505121.98	3632775.90	24.59685	(19121906)	505221.98	3632775.90	23.93753	(19122301)
505321.98	3632775.90	22.10175	(20100121)	505421.98	3632775.90	23.32381	(21022502)
505521.98	3632775.90	21.11375	(21010602)	505621.98	3632775.90	21.13580	(20021702)
505721.98	3632775.90	20.02329	(20011323)	501721.98	3632875.90	5.62744	(21111004)
501821.98	3632875.90	5.14532	(19010119)	501921.98	3632875.90	5.15328	(19010119)
502021.98	3632875.90	4.93346	(19010119)	502121.98	3632875.90	4.49418	(19010119)
502221.98	3632875.90	4.40252	(21030103)	502321.98	3632875.90	6.93369	(21030103)
502421.98	3632875.90	9.87693	(21030103)	502521.98	3632875.90	12.41725	(21030103)
502621.98	3632875.90	13.48774	(21030103)	502721.98	3632875.90	18.27284	(20121603)
502821.98	3632875.90	29.70941	(20121603)	502921.98			

3632875.90 35.54227 (21063005)
503021.98 3632875.90 34.51800 (20090205) 503121.98
3632875.90 34.75552 (20102407)
503221.98 3632875.90 40.03236 (20111701) 503321.98
3632875.90 47.76660 (19081924)
503421.98 3632875.90 41.47452 (19110606) 503621.98
3632875.90 43.54924 (20050102)
503721.98 3632875.90 43.75015 (21020203) 503821.98
3632875.90 40.58977 (20082921)
503921.98 3632875.90 29.37247 (20081802) 504021.98
3632875.90 36.25958 (20022622)
504121.98 3632875.90 35.45188 (21011302) 504221.98
3632875.90 34.89021 (21022205)
504321.98 3632875.90 33.79249 (21011620) 504421.98
3632875.90 32.96270 (21013021)
504521.98 3632875.90 31.79262 (21120723) 504621.98
3632875.90 30.47794 (21022020)
504721.98 3632875.90 30.11687 (21010102) 504821.98
3632875.90 28.71051 (21022803)
504921.98 3632875.90 28.12721 (20121007) 505021.98
3632875.90 27.14621 (19121906)
505121.98 3632875.90 26.41051 (19122301) 505221.98
3632875.90 24.02717 (19081501)
505321.98 3632875.90 25.30053 (21022502) 505421.98
3632875.90 22.92525 (20100521)
505521.98 3632875.90 23.00941 (20020804) 505621.98
3632875.90 21.43376 (20011323)
505721.98 3632875.90 20.67556 (20121620) 501721.98
3632975.90 6.90182 (21111004)
501821.98 3632975.90 6.47168 (21111004) 501921.98
3632975.90 5.76041 (21111004)
502021.98 3632975.90 5.69637 (19010119) 502121.98
3632975.90 5.51255 (19010119)
505321.98 3632975.90 24.95645 (20100521) 505421.98
3632975.90 25.25318 (20020804)
505521.98 3632975.90 23.55366 (21012402) 505621.98
3632975.90 22.38720 (20121620)
505721.98 3632975.90 21.40964 (20022406) 501721.98
3633075.90 7.72531 (21111004)
501821.98 3633075.90 7.75853 (21111004) 501921.98
3633075.90 7.43906 (21111004)
502021.98 3633075.90 6.75132 (21111004) 502121.98
3633075.90 6.31451 (19010119)
505321.98 3633075.90 27.53317 (20020804) 505421.98
3633075.90 26.10218 (21012402)
505521.98 3633075.90 24.58732 (20022406) 505621.98
3633075.90 22.95405 (19010903)
505721.98 3633075.90 21.91633 (21120121) 501721.98
3633175.90 7.82354 (21111004)
501821.98 3633175.90 8.41536 (21111004) 501921.98

3633175.90   8.68360 (21111004)
        502021.98   3633175.90   8.54049 (21111004)   502121.98
3633175.90   7.91972 (21111004)
        505321.98   3633175.90   28.37837 (21012402)   505421.98
3633175.90   27.35914 (20022406)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                   INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                 L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        505521.98   3633375.90       27.23112  (21122302)                505621.98
3633375.90       25.58112  (21011724)
        505721.98   3633375.90       25.13948  (21010408)                501721.98
3633475.90        8.32455  (21012320)
        501821.98   3633475.90        7.32276  (21012320)                501921.98
3633475.90        6.73802  (21111004)
        502021.98   3633475.90        8.35948  (21111004)                502121.98
3633475.90       10.00838  (21111004)
        505321.98   3633475.90       31.16470  (20021024)                505421.98
3633475.90       30.41299  (21122302)
        505521.98   3633475.90       29.14553  (21010408)                505621.98
3633475.90       26.65977  (21011720)
        505721.98   3633475.90       24.89721  (20121406)                501721.98
3633575.90       11.60329  (21012320)
        501821.98   3633575.90       11.14022  (21012320)                501921.98
3633575.90       10.30044  (21012320)
        502021.98   3633575.90        9.11033  (21012320)                502121.98
3633575.90        8.08670  (21111004)
        505321.98   3633575.90       33.82237  (21010408)                505421.98
3633575.90       31.36493  (21011720)
        505521.98   3633575.90       29.29936  (20121406)                505621.98
3633575.90       26.74368  (20021305)
        505721.98   3633575.90       26.10587  (20021723)                501721.98
3633675.90       13.43532  (21012320)
        501821.98   3633675.90       13.95091  (21012320)                501921.98
3633675.90       14.12281  (21012320)
        502021.98   3633675.90       13.82802  (21012320)                502121.98
3633675.90       13.02901  (21012320)
        505321.98   3633675.90       34.86419  (20121406)                505421.98
3633675.90       31.81589  (20021305)
        505521.98   3633675.90       30.29991  (20021723)                505621.98
3633675.90       28.61139  (19011606)
        505721.98   3633675.90       26.74997  (19121305)                501721.98
3633775.90       12.74314  (21012320)
        501821.98   3633775.90       14.20758  (21012320)                501921.98
3633775.90       15.56114  (21012320)
        502021.98   3633775.90       16.66079  (21012320)                502121.98
3633775.90       17.32150  (21012320)
        505321.98   3633775.90       36.57891  (19011606)                505421.98
3633775.90       32.91690  (20012223)
        505521.98   3633775.90       30.91951  (21022322)                505621.98
3633775.90       28.41313  (21010422)
        505721.98   3633775.90       27.26094  (19011923)                501721.98
3633875.90        9.76269  (21012320)
        501821.98   3633875.90       11.58346  (21012320)                501921.98
3633875.90       13.50119  (21012320)
        502021.98   3633875.90       15.68809  (21012320)                502121.98
3633875.90       17.81780  (21012320)
        505321.98   3633875.90       35.95688  (21010422)                505421.98
3633875.90       33.76064  (19011923)
```

```
        505521.98   3633875.90       31.09789  (19012803)                505621.98
3633875.90       29.11351  (21121821)
        505721.98   3633875.90       27.70420  (20121224)                501721.98
3633975.90       10.50412  (19083104)
        501821.98   3633975.90       10.73565  (19083104)                501921.98
3633975.90       10.87011  (19083104)
        502021.98   3633975.90       11.30263  (21012320)                502121.98
3633975.90       13.83746  (21012320)
        505321.98   3633975.90       36.41060  (21121821)                505421.98
3633975.90       33.78205  (20121224)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 868
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        505521.98   3633975.90       31.45658  (20020703)                505621.98
3633975.90       28.77978  (21022324)
        505721.98   3633975.90       26.31816  (20122520)                501721.98
3634075.90       11.76638  (19083104)
        501821.98   3634075.90       12.57019  (19083104)                501921.98
3634075.90       13.38021  (19083104)
        502021.98   3634075.90       14.17293  (19083104)                502121.98
3634075.90       14.91796  (19083104)
        505321.98   3634075.90       37.11839  (20122520)                505421.98
3634075.90       34.87999  (21122121)
        505521.98   3634075.90       32.71793  (21122121)                505621.98
3634075.90       31.91774  (20121803)
        505721.98   3634075.90       29.15010  (20121803)                501721.98
3634175.90       10.56700  (19083104)
        501821.98   3634175.90       11.65507  (19083104)                501921.98
```

3634175.90 12.84544 (19083104)
502021.98 3634175.90 14.09636 (19083104) 502121.98
3634175.90 15.57261 (19083104)
505321.98 3634175.90 37.73977 (19021906) 505421.98
3634175.90 36.09150 (19021906)
505521.98 3634175.90 33.93797 (19021906) 505621.98
3634175.90 29.53391 (20031603)
505721.98 3634175.90 27.82581 (20013123) 501721.98
3634275.90 8.84577 (20022619)
501821.98 3634275.90 9.41966 (20022619) 501921.98
3634275.90 10.05044 (20022619)
502021.98 3634275.90 10.72992 (20022619) 502121.98
3634275.90 12.04214 (19083104)
505321.98 3634275.90 38.01226 (20013123) 505421.98
3634275.90 36.43194 (21013019)
505521.98 3634275.90 32.24920 (21013019) 505621.98
3634275.90 30.08774 (21013019)
505721.98 3634275.90 28.11014 (21013019) 501721.98
3634375.90 11.71869 (21021102)
501821.98 3634375.90 12.61626 (21021102) 501921.98
3634375.90 13.55895 (21021102)
502021.98 3634375.90 14.65205 (21021102) 502121.98
3634375.90 15.96066 (21021102)
505321.98 3634375.90 44.68755 (21021007) 505421.98
3634375.90 41.07434 (21021007)
505521.98 3634375.90 33.70779 (21021007) 505621.98
3634375.90 31.28336 (21021007)
505721.98 3634375.90 29.16337 (21021007) 501721.98
3634475.90 14.90104 (21021102)
501821.98 3634475.90 16.05719 (21021102) 501921.98
3634475.90 17.33669 (21021102)
502021.98 3634475.90 18.80632 (21021102) 502121.98
3634475.90 20.40556 (21021102)
505321.98 3634475.90 40.61701 (20011720) 505421.98
3634475.90 44.54562 (20011720)
505521.98 3634475.90 34.81740 (20011720) 505621.98
3634475.90 29.16331 (20011720)
505721.98 3634475.90 27.42830 (19122317) 501721.98
3634575.90 14.17264 (21021102)
501821.98 3634575.90 14.94915 (21021102) 501921.98
3634575.90 15.77737 (21021102)
502021.98 3634575.90 16.67297 (21021102) 502121.98
3634575.90 17.61154 (21021102)
505321.98 3634575.90 44.88388 (20041201) 505421.98
3634575.90 48.68714 (20041201)
505521.98 3634575.90 44.64727 (20041201) 505621.98
3634575.90 35.39342 (20041201)
505721.98 3634575.90 27.30634 (20041201) 501721.98
3634675.90 10.23656 (19101801)
501821.98 3634675.90 11.00649 (19101801) 501921.98

3634675.90   11.80711 (19101801)
        502021.98   3634675.90   12.86240 (19050903)   502121.98
3634675.90   14.83182 (19050903)
        505321.98   3634675.90   41.84933 (20081806)   505421.98
3634675.90   41.51235 (20081806)
        505521.98   3634675.90   35.19843 (20081806)   505621.98
3634675.90   31.66713 (19030304)
        505721.98   3634675.90   27.23452 (20041201)   501721.98
3634775.90   11.74712 (19050903)
        501821.98   3634775.90   13.15180 (19050903)   501921.98
3634775.90   14.61575 (19050903)
        502021.98   3634775.90   16.18692 (19050903)   502121.98
3634775.90   17.73758 (19050903)
        505321.98   3634775.90   33.89231 (19022319)   505421.98
3634775.90   41.68228 (21032601)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        505521.98   3634775.90   39.77152 (21032601)   505621.98
3634775.90   38.06883 (21032601)
        505721.98   3634775.90   35.86328 (20081806)   501721.98
3634875.90   13.10816 (19050903)
        501821.98   3634875.90   13.95377 (19050903)   501921.98
3634875.90   14.65853 (19050903)
        502021.98   3634875.90   15.16372 (19050903)   502121.98
3634875.90   15.39974 (19050903)
        505321.98   3634875.90   34.81421 (19050722)   505421.98
3634875.90   43.90008 (20081401)

```
        505521.98   3634875.90       39.45393  (20081401)               505621.98
3634875.90       32.75899  (20081401)
        505721.98   3634875.90       32.41457  (21020220)               501721.98
3634975.90       11.59960  (19050903)
        501821.98   3634975.90       11.55929  (19050903)               501921.98
3634975.90       11.28080  (19050903)
        502021.98   3634975.90       10.74991  (19050903)               502121.98
3634975.90       10.58641  (19022707)
        505321.98   3634975.90       34.86477  (19030607)               505421.98
3634975.90       37.28214  (19042006)
        505521.98   3634975.90       37.49287  (19042006)               505621.98
3634975.90       36.78510  (20081401)
        505721.98   3634975.90       36.35847  (20081401)               501721.98
3635075.90        8.21139  (19050903)
        501821.98   3635075.90        8.28763  (19022707)               501921.98
3635075.90       35.98959  (19100422)
        502021.98   3635075.90       36.46117  (21112918)               502121.98
3635075.90       13.46089  (20021724)
        505321.98   3635075.90       33.68701  (20041904)               505421.98
3635075.90       34.92460  (19022007)
        505521.98   3635075.90       29.40799  (19022007)               505621.98
3635075.90       27.53830  (19042006)
        505721.98   3635075.90       30.46890  (19042006)               501721.98
3635175.90       32.12791  (21112918)
        501821.98   3635175.90       31.29872  (21112918)               501921.98
3635175.90       38.69730  (19122123)
        502021.98   3635175.90       39.96262  (20021924)               502121.98
3635175.90       17.11585  (21011719)
        505321.98   3635175.90       28.55420  (21122806)               505421.98
3635175.90       31.24126  (20010802)
        505521.98   3635175.90       28.29909  (20010802)               505621.98
3635175.90       27.50930  (19022007)
        505721.98   3635175.90       25.67410  (19022007)               501721.98
3635275.90       34.38067  (19122123)
        501821.98   3635275.90       39.22258  (20021924)               501921.98
3635275.90       41.86846  (19012720)
        502021.98   3635275.90       40.32338  (19012720)               502121.98
3635275.90       43.91445  (21011719)
        505621.98   3635275.90       20.76852  (20010802)               505721.98
3635275.90       21.33141  (20010802)
        501721.98   3635375.90       32.25478  (19012720)               501821.98
3635375.90       33.81403  (19012720)
        501921.98   3635375.90       35.07714  (19082522)               502021.98
3635375.90       38.93252  (19111006)
        502121.98   3635375.90       34.31007  (19111006)               505621.98
3635375.90        5.06216  (21071520)
        501721.98   3635475.90       28.74020  (21011719)               501821.98
3635475.90       30.37239  (21011719)
        501921.98   3635475.90       33.44591  (19111006)               502021.98
3635475.90       36.40405  (21052423)
```

```
        502121.98   3635475.90       38.31003  (21052423)                505621.98
3635475.90        6.71214  (21071520)
        505721.98   3635475.90        5.32572  (21071520)                501721.98
3635575.90       24.49790  (21011719)
        501821.98   3635575.90       25.14248  (21052423)                501921.98
3635575.90       32.54339  (21052423)
        502021.98   3635575.90       31.66350  (19013101)                502121.98
3635575.90       34.17450  (19012005)
        505321.98   3635575.90       33.18231  (19102623)                505421.98
3635575.90        9.93056  (21071520)
        505521.98   3635575.90        9.08111  (21071520)                505621.98
3635575.90        7.94107  (21071520)
        505721.98   3635575.90        6.69680  (21071520)                501721.98
3635675.90       24.56903  (19120317)
        501821.98   3635675.90       29.42385  (19013101)                501921.98
3635675.90       31.39414  (19013101)
        502021.98   3635675.90       30.78600  (20122320)                502121.98
3635675.90       34.56984  (20122320)
        505321.98   3635675.90       28.04661  (19102623)                505421.98
3635675.90       11.55846  (21012617)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 870
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
                                 INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                 L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        505521.98   3635675.90        9.03944  (21071520)                505621.98
3635675.90        8.47238  (21071520)
        505721.98   3635675.90        7.60668  (21071520)                501721.98
3635775.90       29.19229  (19013101)
        501821.98   3635775.90       29.22756  (19013101)                501921.98
```

3635775.90 31.00255 (20122320)
502021.98 3635775.90 31.41059 (20122320) 502121.98
3635775.90 33.69394 (21012023)
505321.98 3635775.90 24.07982 (20091421) 505421.98
3635775.90 26.21289 (19102623)
505521.98 3635775.90 29.15998 (19102623) 505621.98
3635775.90 23.39240 (19102623)
505721.98 3635775.90 18.72197 (19102623) 501721.98
3635875.90 23.51529 (20040924)
501821.98 3635875.90 30.02354 (20122320) 501921.98
3635875.90 30.60486 (21012023)
502021.98 3635875.90 31.35061 (21012023) 502121.98
3635875.90 29.27309 (20122721)
505321.98 3635875.90 31.61684 (20091421) 505421.98
3635875.90 22.44911 (20091421)
505521.98 3635875.90 22.27283 (19102623) 505621.98
3635875.90 26.27614 (19102623)
505721.98 3635875.90 25.85174 (19102623) 501721.98
3635975.90 25.96181 (20122320)
501821.98 3635975.90 28.98964 (21012023) 501921.98
3635975.90 28.06533 (21012023)
502021.98 3635975.90 28.49226 (20122721) 502121.98
3635975.90 32.20958 (20122721)
505321.98 3635975.90 33.27511 (21122618) 505421.98
3635975.90 25.40503 (21122618)
505521.98 3635975.90 21.05678 (20091421) 505621.98
3635975.90 19.64626 (19102623)
505721.98 3635975.90 23.17105 (19102623) 501721.98
3636075.90 25.81945 (21012023)
501821.98 3636075.90 23.57372 (21012023) 501921.98
3636075.90 27.09907 (20122721)
502021.98 3636075.90 29.96778 (20122721) 502121.98
3636075.90 27.86363 (19031105)
502221.98 3636075.90 25.56974 (20112322) 502321.98
3636075.90 30.30970 (21121424)
502421.98 3636075.90 31.79359 (21121424) 502521.98
3636075.90 28.84578 (19112801)
502621.98 3636075.90 34.35773 (19121706) 502721.98
3636075.90 33.21800 (19121706)
502821.98 3636075.90 29.05088 (21100523) 502921.98
3636075.90 33.37426 (21021621)
503021.98 3636075.90 33.21314 (21112718) 503121.98
3636075.90 36.64458 (19050823)
503221.98 3636075.90 37.83428 (21100603) 503321.98
3636075.90 42.70065 (20120224)
503421.98 3636075.90 39.97448 (19072124) 503521.98
3636075.90 37.74530 (21021806)
503621.98 3636075.90 34.11603 (19051020) 503721.98
3636075.90 41.49067 (21041324)
503821.98 3636075.90 35.08750 (19072223) 503921.98

3636075.90   40.01955 (19072224)
        504021.98   3636075.90   41.12480 (19122420)   504121.98
3636075.90   32.46529 (19050321)
        504221.98   3636075.90   34.46710 (19050322)   504321.98
3636075.90   39.55476 (21013118)
        504421.98   3636075.90   36.44362 (21013118)   504521.98
3636075.90   29.95111 (21080821)
        504621.98   3636075.90   29.63106 (20102221)   504721.98
3636075.90   35.62310 (19022602)
        504821.98   3636075.90   40.03698 (21121422)   504921.98
3636075.90   28.98904 (21121422)
        505021.98   3636075.90   26.35906 (21061321)   505121.98
3636075.90   27.29488 (21090701)
        505221.98   3636075.90   27.83372 (21090701)   505321.98
3636075.90   27.55012 (21122618)
        505421.98   3636075.90   27.48691 (21122618)   505521.98
3636075.90   24.00510 (21122618)
        505621.98   3636075.90   21.01151 (20091421)   505721.98
3636075.90   16.46458 (19102623)
        501721.98   3636175.90   19.86597 (20031920)   501821.98
3636175.90   24.73470 (20122721)
        501921.98   3636175.90   27.50697 (20122721)   502021.98
3636175.90   25.56992 (19031105)
        502121.98   3636175.90   24.32786 (20112322)   502221.98
3636175.90   27.26882 (21121424)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLES   ***
                                 INCLUDING SOURCE(S):   L0000310   , L0000311 , L0000312   , L0000313   , L0000314   ,
                L0000315   , L0000316   , L0000317   , L0000318   , L0000319 ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        502321.98   3636175.90       31.31587  (21121424)              502421.98
3636175.90       25.25601  (19112801)
        502521.98   3636175.90       29.28175  (19121706)              502621.98
3636175.90       33.39627  (19121706)
        502721.98   3636175.90       26.69023  (21100523)              502821.98
3636175.90       27.98084  (21021621)
        502921.98   3636175.90       30.81416  (21021621)              503021.98
3636175.90       31.55288  (19050823)
        503121.98   3636175.90       30.74270  (19050823)              503221.98
3636175.90       33.31691  (21100603)
        503321.98   3636175.90       40.25307  (20120224)              503421.98
3636175.90       35.43850  (19072124)
        503521.98   3636175.90       35.27144  (19051001)              503621.98
3636175.90       33.30353  (19051020)
        503721.98   3636175.90       38.52838  (21041324)              503821.98
3636175.90       33.52255  (19072223)
        503921.98   3636175.90       37.10661  (19072224)              504021.98
3636175.90       37.97232  (19072224)
        504121.98   3636175.90       32.16295  (19070422)              504221.98
3636175.90       33.31830  (19050322)
        504321.98   3636175.90       31.37999  (19073022)              504421.98
3636175.90       31.85606  (21013118)
        504521.98   3636175.90       24.36476  (19111019)              504621.98
3636175.90       25.76340  (20102221)
        504721.98   3636175.90       25.70086  (19060920)              504821.98
3636175.90       25.52501  (19022602)
        504921.98   3636175.90       31.01407  (21121422)              505021.98
3636175.90       27.33635  (21061321)
        505121.98   3636175.90       23.35427  (21061321)              505221.98
3636175.90       26.80171  (21090701)
        505321.98   3636175.90       27.53209  (21090701)              505421.98
3636175.90       27.50693  (21122618)
        505521.98   3636175.90       27.93496  (21122618)              505621.98
3636175.90       22.87427  (21122618)
        505721.98   3636175.90       20.43331  (20091421)              501721.98
3636275.90       22.55091  (20122721)
        501821.98   3636275.90       24.41142  (20122721)              501921.98
3636275.90       23.34569  (19031105)
        502021.98   3636275.90       22.68558  (21101802)              502121.98
3636275.90       24.05312  (19122519)
        502221.98   3636275.90       29.85963  (21121424)              502321.98
3636275.90       24.44793  (21121424)
        502421.98   3636275.90       27.61297  (19112801)              502521.98
3636275.90       31.61304  (19121706)
        502621.98   3636275.90       25.93740  (19121706)              502721.98
3636275.90       26.95098  (21100523)
        502821.98   3636275.90       29.49892  (21021621)              502921.98
3636275.90       29.15290  (21112718)
        503021.98   3636275.90       32.00688  (19050823)              503121.98
3636275.90       32.21719  (21100603)
```

```
        503221.98   3636275.90       30.22663  (19080122)                503321.98
3636275.90       33.34277  (20120224)
        503421.98   3636275.90       31.14866  (19081321)                503521.98
3636275.90       32.64252  (19051001)
        503621.98   3636275.90       32.08059  (19051020)                503721.98
3636275.90       35.61473  (19072223)
        503821.98   3636275.90       31.29101  (19072223)                503921.98
3636275.90       33.37205  (19072224)
        504021.98   3636275.90       36.70450  (19072224)                504121.98
3636275.90       28.95104  (19082323)
        504221.98   3636275.90       28.25210  (19082724)                504321.98
3636275.90       21.34463  (20031720)
        504421.98   3636275.90       26.48796  (21013118)                504521.98
3636275.90       19.69949  (19081120)
        504621.98   3636275.90       19.62626  (21080821)                504721.98
3636275.90       23.91906  (20102221)
        504821.98   3636275.90       21.18100  (19110518)                504921.98
3636275.90       25.23299  (19112903)
        505021.98   3636275.90       30.31253  (21121422)                505121.98
3636275.90       24.12008  (21061321)
        505221.98   3636275.90       21.83814  (19010920)                505321.98
3636275.90       27.91326  (21090701)
        505421.98   3636275.90       26.58676  (21090701)                505521.98
3636275.90       25.67156  (21122618)
        505621.98   3636275.90       27.35266  (21122618)                505721.98
3636275.90       22.68192  (20091421)
        501721.98   3636375.90       21.72697  (20122721)                501821.98
3636375.90       20.88608  (19031105)
        501921.98   3636375.90       21.17917  (21101802)                502021.98
3636375.90       22.09620  (19122519)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 872
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLES    ***
                                  INCLUDING SOURCE(S):     L0000310    , L0000311
, L0000312    , L0000313    , L0000314    ,
                L0000315    , L0000316    , L0000317    , L0000318    , L0000319
,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502121.98	3636375.90	27.77049	(21121424)	502221.98	3636375.90	24.47835	(21121424)
502321.98	3636375.90	26.56100	(19112801)	502421.98	3636375.90	29.08300	(19121706)
502521.98	3636375.90	27.83695	(19121706)	502621.98	3636375.90	24.34823	(21100523)
502721.98	3636375.90	25.35756	(21021621)	502821.98	3636375.90	27.21063	(21021621)
502921.98	3636375.90	26.35687	(20101906)	503021.98	3636375.90	29.22744	(19050823)
503121.98	3636375.90	29.98386	(21100603)	503221.98	3636375.90	27.61705	(20120224)
503321.98	3636375.90	29.47604	(19072124)	503421.98	3636375.90	28.85033	(20071122)
503521.98	3636375.90	29.34799	(19051001)	503621.98	3636375.90	30.05178	(19051020)
503721.98	3636375.90	33.31534	(19072223)	503821.98	3636375.90	29.01139	(19072223)
503921.98	3636375.90	30.14094	(21050323)	504021.98	3636375.90	34.29245	(19072224)
504121.98	3636375.90	25.24032	(19082323)	504221.98	3636375.90	22.77655	(19082724)
504321.98	3636375.90	20.07610	(21071621)	504421.98	3636375.90	22.53256	(21013118)
504521.98	3636375.90	21.46032	(21013118)	504621.98	3636375.90	18.32555	(19080523)
504721.98	3636375.90	18.90956	(20102221)	504821.98	3636375.90	18.37947	(19060406)
504921.98	3636375.90	17.79677	(19061724)	505021.98	3636375.90	23.33543	(21050522)
505121.98	3636375.90	24.90224	(21121422)	505221.98	3636375.90	24.68102	(21061321)
505321.98	3636375.90	23.01010	(19010920)	505421.98	3636375.90	26.90877	(21090701)
505521.98	3636375.90	24.63198	(21081602)	505621.98	3636375.90	25.25769	(21122618)
505721.98	3636375.90	26.33657	(21122618)	501721.98	3636475.90	17.87473	(19031105)
501821.98	3636475.90	19.03889	(21101802)	501921.98	3636475.90	20.03946	(19122519)
502021.98	3636475.90	24.76719	(21121424)	502121.98	3636475.90	23.52311	(21121424)
502221.98	3636475.90	23.98997	(19112801)	502321.98	3636475.90	25.38335	(19112801)
502421.98	3636475.90	28.11577	(19121706)	502521.98			

3636475.90   22.23869 (20040204)
        502621.98   3636475.90   23.67358 (21100523)   502721.98
3636475.90   26.28116 (21021621)
        502821.98   3636475.90   25.65130 (21112718)   502921.98
3636475.90   27.14562 (19050823)
        503021.98   3636475.90   25.85478 (21100603)   503121.98
3636475.90   25.58603 (21100603)
        503221.98   3636475.90   25.97776 (20120224)   503321.98
3636475.90   26.45052 (19072124)
        503421.98   3636475.90   26.92896 (19051001)   503521.98
3636475.90   26.47463 (19080922)
        503621.98   3636475.90   27.64143 (19051020)   503721.98
3636475.90   30.70860 (19072223)
        503821.98   3636475.90   26.58992 (19082801)   503921.98
3636475.90   26.92609 (21050323)
        504021.98   3636475.90   26.29032 (19072224)   504121.98
3636475.90   20.67672 (19081023)
        504221.98   3636475.90   20.42148 (19082724)   504321.98
3636475.90   18.64091 (21071621)
        504421.98   3636475.90   18.61087 (21052004)   504521.98
3636475.90   23.24516 (21013118)
        504621.98   3636475.90   17.65944 (19081120)   504721.98
3636475.90   16.68802 (19070220)
        504821.98   3636475.90   16.41111 (21071021)   504921.98
3636475.90   16.61067 (19060920)
        505021.98   3636475.90   21.85963 (19112903)   505121.98
3636475.90   27.90773 (21121422)
        505221.98   3636475.90   21.42221 (21061321)   505321.98
3636475.90   22.62658 (21061321)
        505421.98   3636475.90   21.99525 (21090701)   505521.98
3636475.90   25.29339 (21090701)
        505621.98   3636475.90   23.39937 (21081602)   505721.98
3636475.90   23.98953 (21122618)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
                 L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
                 L0000951   , L0000952   , L0000953   , L0000954   , L0000955 , L0000956   , L0000957   , L0000958   ,
                 L0000959   , L0000960   , L0000961   , L0000962   , L0000963

, L0000964   , L0000965   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633475.90	8.41116	(19010119)	502771.98	3633475.90	10.85132	(21030103)
502821.98	3633475.90	13.79143	(21030103)	502871.98	3633475.90	16.77193	(21030103)
502921.98	3633475.90	19.42165	(21030103)	502971.98	3633475.90	21.35109	(21030103)
503021.98	3633475.90	24.38275	(20121603)	503071.98	3633475.90	28.57293	(20121603)
503121.98	3633475.90	31.09248	(20121603)	503171.98	3633475.90	31.34862	(20121603)
503221.98	3633475.90	29.16906	(20121603)	503271.98	3633475.90	28.05837	(21063005)
503321.98	3633475.90	46.69396	(20092124)	503371.98	3633475.90	42.48797	(20111701)
503421.98	3633475.90	40.76726	(20111701)	503471.98	3633475.90	41.72696	(21020924)
503521.98	3633475.90	43.74913	(21020924)	503621.98	3633475.90	42.86635	(19082022)
503671.98	3633475.90	36.82494	(20101121)	503721.98	3633475.90	35.00239	(20082921)
503771.98	3633475.90	37.34935	(20082921)	503821.98	3633475.90	34.27199	(20081802)
503871.98	3633475.90	33.31473	(20081802)	503921.98	3633475.90	34.26825	(20080922)
503971.98	3633475.90	33.28529	(20080922)	504021.98	3633475.90	29.83497	(21060902)
504071.98	3633475.90	31.34917	(20081021)	504121.98	3633475.90	31.83434	(20083021)
504171.98	3633475.90	30.32266	(20073022)	504221.98	3633475.90	30.82808	(20072721)
504271.98	3633475.90	33.52315	(20072721)	504321.98	3633475.90	32.61859	(20072721)
504371.98	3633475.90	28.68289	(20072922)	504421.98	3633475.90	27.01236	(19022705)
504471.98	3633475.90	26.69530	(21021820)	504521.98	3633475.90	26.53671	(21011520)
504571.98	3633475.90	25.82738	(21010522)	504621.98	3633475.90	25.28232	(19122301)

```
        504671.98   3633475.90       24.88831  (20080222)                504721.98
3633475.90       25.56483  (20080623)
        502721.98   3633525.90        9.64492  (19010119)                502771.98
3633525.90        9.12809  (19010119)
        502821.98   3633525.90       11.85454  (21030103)                502871.98
3633525.90       15.09105  (21030103)
        502921.98   3633525.90       18.31896  (21030103)                502971.98
3633525.90       21.11443  (21030103)
        503021.98   3633525.90       23.01470  (21030103)                503071.98
3633525.90       27.38414  (20121603)
        503121.98   3633525.90       31.42906  (20121603)                503171.98
3633525.90       33.33500  (20121603)
        503221.98   3633525.90       32.64727  (20121603)                503271.98
3633525.90       29.68388  (20121603)
        503321.98   3633525.90       31.50423  (20102407)                503371.98
3633525.90       47.64606  (20092124)
        503421.98   3633525.90       48.96922  (20111701)                503471.98
3633525.90       49.86827  (19081924)
        503521.98   3633525.90       46.80609  (19110606)                503621.98
3633525.90       46.79645  (19101521)
        503671.98   3633525.90       44.69846  (21020203)                503721.98
3633525.90       47.01003  (20082921)
        503771.98   3633525.90       45.24933  (20082921)                503821.98
3633525.90       38.23329  (20081802)
        503871.98   3633525.90       37.79483  (20081802)                503921.98
3633525.90       39.83349  (20080922)
        503971.98   3633525.90       36.91359  (20080922)                504021.98
3633525.90       33.99890  (20081021)
        504071.98   3633525.90       34.55465  (20081021)                504121.98
3633525.90       36.08997  (20083021)
        504171.98   3633525.90       35.98299  (20073022)                504221.98
3633525.90       37.15164  (20072721)
        504271.98   3633525.90       36.00585  (20072721)                504321.98
3633525.90       29.69164  (20072922)
        504371.98   3633525.90       28.21600  (20080120)                504421.98
3633525.90       27.99715  (21021820)
        504471.98   3633525.90       27.75673  (21011520)                504521.98
3633525.90       26.93260  (21010522)
        504571.98   3633525.90       26.33611  (19122301)                504621.98
3633525.90       26.95517  (20080222)
        504671.98   3633525.90       26.69037  (20080623)                504721.98
3633525.90       25.49499  (19102119)
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 874
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633575.90	10.74466	(19010119)	502771.98	3633575.90	10.45714	(19010119)
502821.98	3633575.90	9.94369	(19010119)	502871.98	3633575.90	13.00557	(21030103)
502921.98	3633575.90	16.56884	(21030103)	502971.98	3633575.90	20.06776	(21030103)
503021.98	3633575.90	22.99083	(21030103)	503071.98	3633575.90	25.20410	(20121603)
503121.98	3633575.90	30.65769	(20121603)	503171.98	3633575.90	34.35615	(20121603)
503221.98	3633575.90	35.45329	(20121603)	503271.98	3633575.90	33.65572	(20121603)
503321.98	3633575.90	32.01776	(21063005)	503371.98	3633575.90	47.26103	(20092124)
503421.98	3633575.90	48.94120	(20111701)	503471.98	3633575.90	58.74604	(19081924)
503521.98	3633575.90	57.25986	(19081924)	503621.98	3633575.90	49.46714	(21090401)
503671.98	3633575.90	50.73038	(21020203)	503721.98	3633575.90	50.77392	(20082921)
503771.98	3633575.90	52.33106	(20082921)	503821.98	3633575.90	44.89396	(20082921)
503871.98	3633575.90	46.22237	(20082921)	503921.98	3633575.90	44.36755	(20080922)
503971.98	3633575.90	40.75780	(20080922)	504021.98	3633575.90	41.62856	(20081021)
504071.98	3633575.90	39.04757	(20081021)	504121.98	3633575.90	40.27918	(20073022)
504171.98	3633575.90	40.36327	(20073022)	504221.98			

```
3633575.90       41.46910  (20072721)
        504271.98   3633575.90       35.60069  (20072721)                504321.98
3633575.90       30.13099  (20080120)
        504371.98   3633575.90       29.31653  (21021820)                504421.98
3633575.90       29.07118  (21011520)
        504471.98   3633575.90       28.18043  (21010522)                504521.98
3633575.90       27.52659  (19122301)
        504571.98   3633575.90       28.93755  (20080222)                504621.98
3633575.90       27.99578  (20080623)
        504671.98   3633575.90       26.48059  (19102119)                504721.98
3633575.90       27.19320  (20081805)
        502721.98   3633625.90       12.05315  (21111004)                502771.98
3633625.90       11.63977  (19010119)
        502821.98   3633625.90       11.38907  (19010119)                502871.98
3633625.90       10.86737  (19010119)
        502921.98   3633625.90       14.31376  (21030103)                502971.98
3633625.90       18.25847  (21030103)
        503021.98   3633625.90       22.05070  (21030103)                503071.98
3633625.90       25.07901  (21030103)
        503121.98   3633625.90       28.73303  (20121603)                503171.98
3633625.90       34.20304  (20121603)
        503221.98   3633625.90       37.32789  (20121603)                503271.98
3633625.90       37.36454  (20121603)
        503321.98   3633625.90       34.28546  (20121603)                503371.98
3633625.90       37.22465  (20102407)
        503421.98   3633625.90       48.58362  (20111701)                503471.98
3633625.90       59.61714  (19081924)
        503521.98   3633625.90       60.03719  (19081924)                503621.98
3633625.90       56.74471  (21090401)
        503671.98   3633625.90       53.22888  (21020203)                503721.98
3633625.90       53.45540  (20082921)
        503771.98   3633625.90       54.90316  (20082921)                503821.98
3633625.90       49.63699  (20082921)
        503871.98   3633625.90       49.98024  (20082921)                503921.98
3633625.90       46.17611  (20080922)
        503971.98   3633625.90       45.53439  (20081021)                504021.98
3633625.90       45.20386  (20081021)
        504071.98   3633625.90       42.51227  (20083021)                504121.98
3633625.90       44.94913  (20073022)
        504171.98   3633625.90       44.26020  (20072721)                504221.98
3633625.90       43.07279  (20072721)
        504271.98   3633625.90       38.76267  (20072922)                504321.98
3633625.90       34.85200  (20080120)
        504371.98   3633625.90       30.32252  (20081220)                504421.98
3633625.90       29.46469  (21010522)
        504471.98   3633625.90       28.89369  (19122301)                504521.98
3633625.90       30.10096  (20080222)
        504571.98   3633625.90       30.15415  (20080222)                504621.98
3633625.90       28.35904  (20080623)
        504671.98   3633625.90       30.91136  (20081805)                504721.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
                 L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
                 L0000951   , L0000952   , L0000953   , L0000954   , L0000955 , L0000956   , L0000957   , L0000958   ,
                 L0000959   , L0000960   , L0000961   , L0000962   , L0000963 , L0000964   , L0000965   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        502721.98   3633675.90   14.52539 (21111004)   502771.98   3633675.90   13.55200 (21111004)
        502821.98   3633675.90   12.63231 (19010119)   502871.98   3633675.90   12.43908 (19010119)
        502921.98   3633675.90   11.94216 (19010119)   502971.98   3633675.90   15.84379 (21030103)
        503021.98   3633675.90   20.20958 (21030103)   503071.98   3633675.90   24.29238 (21030103)
        503121.98   3633675.90   27.40250 (21030103)   503171.98   3633675.90   32.72550 (20121603)
        503221.98   3633675.90   37.98210 (20121603)   503271.98   3633675.90   40.24366 (20121603)
        503321.98   3633675.90   39.00579 (20121603)   503371.98   3633675.90   34.63540 (20121603)
        503421.98   3633675.90   35.79963 (20102407)   503471.98   3633675.90   41.53655 (20111701)
        503521.98   3633675.90   53.49053 (19081924)   503571.98   3633675.90   58.67917 (19081924)
        503671.98   3633675.90   56.94592 (20082503)   503721.98   3633675.90   56.88264 (20082921)

503771.98 3633675.90 59.18869 (20082921) 503821.98 3633675.90 54.19473 (20082921)
503871.98 3633675.90 52.86181 (20082921) 503921.98 3633675.90 50.38946 (19102905)
503971.98 3633675.90 50.34391 (20081021) 504021.98 3633675.90 48.09293 (20081021)
504071.98 3633675.90 47.89059 (20073022) 504121.98 3633675.90 48.21183 (20073022)
504171.98 3633675.90 47.70931 (20073020) 504221.98 3633675.90 45.02164 (20073020)
504271.98 3633675.90 44.75784 (20080120) 504321.98 3633675.90 38.07851 (20080120)
504371.98 3633675.90 31.96736 (20081220) 504421.98 3633675.90 30.34478 (19122301)
504471.98 3633675.90 31.68897 (20080222) 504521.98 3633675.90 32.80356 (20080222)
504571.98 3633675.90 30.97787 (20081805) 504621.98 3633675.90 33.40426 (20081805)
504671.98 3633675.90 33.94699 (20081805) 504721.98 3633675.90 33.81282 (20081803)
502721.98 3633725.90 16.69787 (21111004) 502771.98 3633725.90 16.19255 (21111004)
502821.98 3633725.90 15.26474 (21111004) 502871.98 3633725.90 13.97411 (21111004)
502921.98 3633725.90 13.69125 (19010119) 502971.98 3633725.90 13.19277 (19010119)
503021.98 3633725.90 17.60648 (21030103) 503071.98 3633725.90 22.45492 (21030103)
503121.98 3633725.90 26.86202 (21030103) 503171.98 3633725.90 30.00745 (21030103)
503221.98 3633725.90 37.17819 (20121603) 503271.98 3633725.90 41.91105 (20121603)
503321.98 3633725.90 43.01953 (20121603) 503371.98 3633725.90 40.37425 (20121603)
503421.98 3633725.90 37.15562 (20102407) 503471.98 3633725.90 39.22398 (20102407)
503521.98 3633725.90 41.03434 (20111701) 503571.98 3633725.90 56.42695 (19081924)
503721.98 3633725.90 67.66666 (20080822) 503771.98 3633725.90 61.63379 (20082921)
503821.98 3633725.90 58.26759 (20022622) 503871.98 3633725.90 56.37662 (20082921)
503921.98 3633725.90 54.80610 (19102905) 503971.98 3633725.90 53.62261 (20081021)
504021.98 3633725.90 51.10548 (21013021) 504071.98 3633725.90 51.66606 (20073022)
504121.98 3633725.90 52.29624 (20073020) 504171.98 3633725.90 49.99848 (20073020)
504221.98 3633725.90 50.27978 (20080120) 504271.98 3633725.90 49.97373 (20080120)

        502771.98   3633775.90   18.37576 (21111004)   502821.98
3633775.90   18.05061 (21111004)
        502871.98   3633775.90   17.23709 (21111004)   502921.98
3633775.90   15.97276 (21111004)
        502971.98   3633775.90   15.08820 (19010119)   503021.98
3633775.90   14.62220 (19010119)
        503071.98   3633775.90   19.70077 (21030103)   503121.98
3633775.90   25.08162 (21030103)
        503171.98   3633775.90   29.81152 (21030103)   503221.98
3633775.90   34.75736 (20121603)
        503271.98   3633775.90   42.04371 (20121603)   503321.98

3633775.90 45.89101 (20121603)
503371.98 3633775.90 45.54211 (20121603) 503421.98
3633775.90 41.33518 (20121603)
503471.98 3633775.90 41.58059 (20102407) 503771.98
3633775.90 64.79053 (21082504)
503821.98 3633775.90 63.20356 (20022622) 503871.98
3633775.90 60.28369 (21011302)
503921.98 3633775.90 57.20848 (19102905) 503971.98
3633775.90 55.93546 (20081021)
504021.98 3633775.90 55.39860 (20073022) 504071.98
3633775.90 56.70662 (20073022)
504121.98 3633775.90 55.54756 (20073020) 504171.98
3633775.90 53.98756 (20011902)
504221.98 3633775.90 54.14335 (20080120) 504271.98
3633775.90 51.28699 (20081220)
504321.98 3633775.90 44.84658 (20082722) 504371.98
3633775.90 42.92887 (20080222)
504421.98 3633775.90 40.88585 (20080222) 504471.98
3633775.90 39.58950 (20081805)
504521.98 3633775.90 43.65274 (20081805) 504571.98
3633775.90 45.46094 (20081805)
504621.98 3633775.90 44.43995 (20081803) 504671.98
3633775.90 42.66806 (20111118)
504721.98 3633775.90 40.87351 (20111118) 502721.98
3633825.90 18.84536 (21111004)
502771.98 3633825.90 19.73344 (21111004) 502821.98
3633825.90 20.19474 (21111004)
502871.98 3633825.90 20.13153 (21111004) 502921.98
3633825.90 19.52490 (21111004)
502971.98 3633825.90 18.30254 (21111004) 503021.98
3633825.90 16.68477 (19010119)
503071.98 3633825.90 16.31141 (21030103) 503121.98
3633825.90 22.17085 (21030103)
503171.98 3633825.90 28.17522 (21030103) 503221.98
3633825.90 33.21958 (21030103)
503271.98 3633825.90 40.37762 (20121603) 503771.98
3633825.90 75.01813 (21082504)
503821.98 3633825.90 69.21160 (20082503) 503871.98
3633825.90 65.21070 (19102905)
503921.98 3633825.90 61.50064 (20081021) 503971.98
3633825.90 62.19606 (21013021)
504021.98 3633825.90 62.44665 (21013021) 504071.98
3633825.90 59.97277 (20073020)
504121.98 3633825.90 59.63552 (21010102) 504171.98
3633825.90 59.57805 (19022705)
504221.98 3633825.90 57.13000 (21011520) 504271.98
3633825.90 53.67379 (21010522)
504321.98 3633825.90 52.57041 (20080623) 504371.98
3633825.90 50.68239 (20080623)
504421.98 3633825.90 50.11493 (20081805) 504471.98

3633825.90   50.10910 (20081805)
        504521.98   3633825.90   49.87988 (20081803)   504571.98
3633825.90   50.19098 (20081803)
        504621.98   3633825.90   47.98471 (20111118)   504671.98
3633825.90   45.54098 (20111118)
        504721.98   3633825.90   45.40435 (21011418)   502721.98
3633875.90   18.34991 (21111004)
        502771.98   3633875.90   19.96384 (21111004)   502821.98
3633875.90   21.26750 (21111004)
        502871.98   3633875.90   22.12443 (21111004)   502921.98
3633875.90   22.47305 (21111004)
        502971.98   3633875.90   22.10027 (21111004)   503021.98
3633875.90   21.01518 (21111004)
        503071.98   3633875.90   19.24439 (21111004)   503121.98
3633875.90   18.42456 (21030103)
        503171.98   3633875.90   25.13197 (21030103)   503221.98
3633875.90   31.82632 (21030103)
        503271.98   3633875.90   37.14512 (21030103)   503821.98
3633875.90   73.68787 (20082503)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
                L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
                L0000951   , L0000952   , L0000953   , L0000954   , L0000955 , L0000956   , L0000957   , L0000958   ,
                L0000959   , L0000960   , L0000961   , L0000962   , L0000963 , L0000964   , L0000965   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

503971.98 3633875.90 73.78230 (20032321) 504021.98
3633875.90 71.35221 (19033021)
504071.98 3633875.90 64.84108 (21011323) 504121.98
3633875.90 64.79022 (20011902)
504171.98 3633875.90 63.06144 (21021820) 504221.98
3633875.90 60.39903 (21010522)
504271.98 3633875.90 56.97496 (20122923) 504321.98
3633875.90 55.69602 (20081805)
504371.98 3633875.90 59.07333 (20081805) 504421.98
3633875.90 56.69572 (20081805)
504471.98 3633875.90 55.40480 (20081803) 504521.98
3633875.90 54.96308 (20081803)
504571.98 3633875.90 53.01631 (20111118) 504621.98
3633875.90 51.50674 (21011418)
504671.98 3633875.90 48.17604 (21011418) 504721.98
3633875.90 46.80565 (21011418)
502721.98 3633925.90 16.76522 (21111004) 502771.98
3633925.90 18.92529 (21111004)
502821.98 3633925.90 20.98283 (21111004) 502871.98
3633925.90 22.80132 (21111004)
502921.98 3633925.90 24.20931 (21111004) 502971.98
3633925.90 24.97119 (21111004)
503021.98 3633925.90 25.00529 (21111004) 503071.98
3633925.90 24.19448 (21111004)
503121.98 3633925.90 22.49575 (21111004) 503171.98
3633925.90 20.98696 (21030103)
503221.98 3633925.90 28.70408 (21030103) 503271.98
3633925.90 36.16394 (21030103)
503821.98 3633925.90 78.18960 (21013120) 503871.98
3633925.90 81.47391 (20082503)
503921.98 3633925.90 86.58183 (20032321) 503971.98
3633925.90 78.85619 (19033021)
504021.98 3633925.90 75.97001 (21060903) 504071.98
3633925.90 72.25157 (20032321)
504121.98 3633925.90 69.41521 (21021820) 504171.98
3633925.90 67.69521 (21011520)
504221.98 3633925.90 66.10963 (21060824) 504271.98
3633925.90 69.57479 (20081805)
504321.98 3633925.90 72.01870 (20081805) 504371.98
3633925.90 66.79457 (20081803)
504421.98 3633925.90 63.80071 (20081803) 504471.98
3633925.90 60.13776 (20081803)
504521.98 3633925.90 56.85852 (20081803) 504571.98
3633925.90 54.48259 (21011418)
504621.98 3633925.90 52.06241 (21011418) 504671.98
3633925.90 49.09330 (21011418)
504721.98 3633925.90 44.36231 (21011418) 502721.98
3633975.90 21.24687 (21012320)
502771.98 3633975.90 20.03154 (21012320) 502821.98
3633975.90 19.29233 (21111004)

```
        502871.98   3633975.90       21.88319  (21111004)               502921.98
3633975.90       24.28697  (21111004)
        502971.98   3633975.90       26.27153  (21111004)               503021.98
3633975.90       27.68700  (21111004)
        503071.98   3633975.90       28.28676  (21111004)               503121.98
3633975.90       27.89759  (21111004)
        503171.98   3633975.90       26.41722  (21111004)               503221.98
3633975.90       24.13975  (21030103)
        503271.98   3633975.90       33.08599  (21030103)               503821.98
3633975.90       81.78969  (21013120)
        503871.98   3633975.90       90.00482  (20032321)               503921.98
3633975.90       66.08881  (21022105)
        503971.98   3633975.90       73.74802  (21120723)               504021.98
3633975.90       74.81612  (21010102)
        504071.98   3633975.90       77.40936  (20032321)               504121.98
3633975.90       73.57761  (21011520)
        504171.98   3633975.90       75.89271  (21060824)               504221.98
3633975.90       83.01525  (20081805)
        504271.98   3633975.90       82.38211  (20081805)               504321.98
3633975.90       77.84441  (20081803)
        504371.98   3633975.90       69.49367  (20081803)               504421.98
3633975.90       66.67631  (20081603)
        504471.98   3633975.90       60.39725  (20081803)               504521.98
3633975.90       56.75889  (21011418)
        504571.98   3633975.90       54.37780  (21011418)               504621.98
3633975.90       50.62614  (21011418)
        504671.98   3633975.90       44.10024  (21011418)               504721.98
3633975.90       38.87123  (21091121)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 878
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3634025.90	26.38183	(21012320)	502771.98	3634025.90	25.99679	(21012320)
502821.98	3634025.90	25.15633	(21012320)	502871.98	3634025.90	23.94147	(21012320)
502921.98	3634025.90	22.53452	(21111004)	502971.98	3634025.90	25.57601	(21111004)
503021.98	3634025.90	28.36727	(21111004)	503071.98	3634025.90	30.56104	(21111004)
503121.98	3634025.90	31.93868	(21111004)	503171.98	3634025.90	32.21062	(21111004)
503221.98	3634025.90	31.16506	(21111004)	503271.98	3634025.90	28.73572	(21111004)
503871.98	3634025.90	73.18402	(21022105)	503921.98	3634025.90	67.49191	(21022105)
503971.98	3634025.90	79.74125	(21011323)	504021.98	3634025.90	77.88885	(19022705)
504071.98	3634025.90	78.55979	(21011520)	504121.98	3634025.90	77.85954	(20081805)
504171.98	3634025.90	96.40798	(20081805)	504221.98	3634025.90	94.77295	(20081805)
504271.98	3634025.90	86.19234	(20081803)	504321.98	3634025.90	82.71285	(20081603)
504371.98	3634025.90	73.10641	(20081603)	504421.98	3634025.90	64.13227	(20081803)
504471.98	3634025.90	60.08564	(21011418)	504521.98	3634025.90	57.36806	(21011418)
504571.98	3634025.90	52.06383	(21011418)	504621.98	3634025.90	43.02999	(21091121)
504671.98	3634025.90	39.14437	(20072623)	504721.98	3634025.90	36.95739	(20072623)
502721.98	3634075.90	29.75224	(21012320)	502771.98	3634075.90	30.35357	(21012320)
502821.98	3634075.90	30.67213	(21012320)	502871.98	3634075.90	30.63016	(21012320)
502921.98	3634075.90	30.04458	(21012320)	502971.98	3634075.90	28.92056	(21012320)
503021.98	3634075.90	27.31072	(21012320)	503071.98	3634075.90	30.32831	(21111004)
503121.98	3634075.90	33.54101	(21111004)	503171.98	3634075.90	35.96293	(21111004)
503221.98	3634075.90	37.18905	(21111004)	503271.98	3634075.90	36.90400	(21111004)
503871.98	3634075.90	75.59166	(21022105)	503921.98			

3634075.90   76.72411 (21022020)
        503971.98   3634075.90   76.76074 (21120804)   504021.98
3634075.90   84.16423 (21011520)
        504071.98   3634075.90   87.02535 (20081805)   504121.98
3634075.90   104.08351 (20081805)
        504171.98   3634075.90   105.54315 (20081803)   504221.98
3634075.90   103.28599 (20081603)
        504271.98   3634075.90   96.23450 (20081603)   504321.98
3634075.90   81.40473 (20081805)
        504371.98   3634075.90   72.27498 (20081803)   504421.98
3634075.90   65.17957 (20081603)
        504471.98   3634075.90   60.73230 (21011418)   504521.98
3634075.90   52.26506 (21011418)
        504571.98   3634075.90   43.16461 (21091121)   504621.98
3634075.90   40.20740 (20081804)
        504671.98   3634075.90   39.81445 (20081804)   504721.98
3634075.90   40.16097 (20081804)
        502721.98   3634125.90   30.45423 (21012320)   502771.98
3634125.90   32.14370 (21012320)
        502821.98   3634125.90   33.75804 (21012320)   502871.98
3634125.90   35.14774 (21012320)
        502921.98   3634125.90   36.01726 (21012320)   502971.98
3634125.90   36.43568 (21012320)
        503021.98   3634125.90   36.36460 (21012320)   503071.98
3634125.90   35.55957 (21012320)
        503121.98   3634125.90   34.03292 (21012320)   503171.98
3634125.90   36.52334 (21111004)
        503221.98   3634125.90   40.22993 (21111004)   503271.98
3634125.90   42.87932 (21111004)
        503921.98   3634125.90   88.35472 (21120804)   503971.98
3634125.90   84.12985 (21022623)
        504021.98   3634125.90   80.56028 (21021721)   504071.98
3634125.90   107.91873 (20081805)
        504121.98   3634125.90   95.57056 (20081603)   504171.98
3634125.90   110.29585 (20081603)
        504221.98   3634125.90   101.73003 (20081603)   504271.98
3634125.90   96.67169 (20081805)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
                 L0000943   , L0000944   , L0000945   , L0000946   , L0000947

```
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        504321.98   3634125.90       87.80459  (20081803)                504371.98
3634125.90       77.78858  (20081603)
        504421.98   3634125.90       66.25355  (21011418)                504471.98
3634125.90       52.59861  (21011418)
        504521.98   3634125.90       49.47599  (20081804)                504571.98
3634125.90       45.34330  (20081804)
        504621.98   3634125.90       41.59427  (20081804)                504671.98
3634125.90       41.58425  (20081804)
        504721.98   3634125.90       40.30526  (20081804)                502721.98
3634175.90       28.06129  (21012320)
        502771.98   3634175.90       30.73947  (21012320)                502821.98
3634175.90       33.47790  (21012320)
        502871.98   3634175.90       36.16031  (21012320)                502921.98
3634175.90       38.54720  (21012320)
        502971.98   3634175.90       40.69645  (21012320)                503021.98
3634175.90       42.56997  (21012320)
        503071.98   3634175.90       43.81778  (21012320)                503121.98
3634175.90       44.47743  (21012320)
        503171.98   3634175.90       44.33465  (21012320)                503221.98
3634175.90       43.14284  (21012320)
        503271.98   3634175.90       44.59605  (21111004)                503971.98
3634175.90       94.53099  (21021721)
        504021.98   3634175.90       88.95630  (21010724)                504071.98
3634175.90       83.67004  (20121123)
        504121.98   3634175.90       83.12956  (20081803)                504171.98
3634175.90       77.59780  (20081805)
        504221.98   3634175.90      104.10370  (20081805)                504271.98
3634175.90      102.60342  (20081803)
        504321.98   3634175.90      102.03735  (20081603)                504371.98
3634175.90       70.35021  (21011418)
        504421.98   3634175.90       55.94103  (20081804)                504471.98
3634175.90       52.49556  (20081804)
        504521.98   3634175.90       49.46697  (20081804)                504571.98
3634175.90       42.84904  (20081804)
```

```
        504621.98   3634175.90       38.86932  (20081804)                504671.98
3634175.90       37.02644  (20081804)
        504721.98   3634175.90       35.22900  (19121305)                502721.98
3634225.90       23.41126  (19083104)
        502771.98   3634225.90       26.48655  (21012320)                502821.98
3634225.90       29.83347  (21012320)
        502871.98   3634225.90       33.33137  (21012320)                502921.98
3634225.90       36.83811  (21012320)
        502971.98   3634225.90       40.42640  (21012320)                503021.98
3634225.90       44.03688  (21012320)
        503071.98   3634225.90       47.33671  (21012320)                503121.98
3634225.90       50.31677  (21012320)
        503171.98   3634225.90       52.81452  (21012320)                503221.98
3634225.90       54.82115  (21012320)
        503271.98   3634225.90       56.32743  (21012320)                504071.98
3634225.90       91.37934  (21022620)
        504121.98   3634225.90       84.14620  (21021922)                504171.98
3634225.90       91.28666  (20081805)
        504221.98   3634225.90       80.66103  (20081803)                504271.98
3634225.90      111.33370  (20081603)
        504321.98   3634225.90       93.57137  (20081603)                504371.98
3634225.90       63.94547  (20081804)
        504421.98   3634225.90       54.46857  (20081804)                504471.98
3634225.90       53.08459  (20081804)
        504521.98   3634225.90       50.44957  (20081804)                504571.98
3634225.90       43.76064  (20081804)
        504621.98   3634225.90       39.56998  (19121305)                504671.98
3634225.90       37.60719  (19121305)
        504721.98   3634225.90       35.59574  (19011923)                502721.98
3634275.90       26.22190  (19083104)
        502771.98   3634275.90       27.41313  (19083104)                502821.98
3634275.90       28.66721  (19083104)
        502871.98   3634275.90       29.97427  (19083104)                502921.98
3634275.90       31.28128  (21012320)
        502971.98   3634275.90       35.58226  (21012320)                503021.98
3634275.90       40.38674  (21012320)
        503071.98   3634275.90       45.23201  (21012320)                503121.98
3634275.90       50.09448  (21012320)
        503171.98   3634275.90       54.90093  (21012320)                503221.98
3634275.90       59.49590  (21012320)
        503271.98   3634275.90       64.16613  (21012320)                504121.98
3634275.90       91.80498  (21020122)
        504171.98   3634275.90       82.42791  (21020122)                504221.98
3634275.90      122.73482  (20081603)
        504271.98   3634275.90       99.00216  (20080121)                504321.98
3634275.90       91.86116  (21040622)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504371.98	3634275.90	69.76645	(20081804)	504421.98	3634275.90	63.84840	(20081804)
504471.98	3634275.90	56.01418	(20081804)	504521.98	3634275.90	46.15654	(20081804)
504571.98	3634275.90	41.28744	(19011923)	504621.98	3634275.90	39.62788	(19011923)
504671.98	3634275.90	37.77403	(21121821)	504721.98	3634275.90	36.10480	(20121224)
502721.98	3634325.90	26.27150	(19083104)	502771.98	3634325.90	27.99519	(19083104)
502821.98	3634325.90	29.78326	(19083104)	502871.98	3634325.90	32.05058	(19083104)
502971.98	3634325.90	36.01523	(19083104)	503021.98	3634325.90	38.27778	(19083104)
503071.98	3634325.90	40.65244	(19083104)	503121.98	3634325.90	44.00943	(21012320)
503171.98	3634325.90	50.53169	(21012320)	503221.98	3634325.90	57.27049	(21012320)
503271.98	3634325.90	64.12354	(21012320)	504171.98	3634325.90	98.80581	(20081603)
504221.98	3634325.90	112.12945	(21040622)	504271.98	3634325.90	104.93724	(21040622)
504321.98	3634325.90	99.38049	(21081123)	504371.98	3634325.90	82.35274	(19121305)
504421.98	3634325.90	64.73415	(20082223)	504471.98			

```
3634325.90       50.98477  (20081222)
        504521.98   3634325.90       44.59668  (21121821)                504571.98
3634325.90       42.68667  (20121224)
        504621.98   3634325.90       40.53738  (20020703)                504671.98
3634325.90       38.31061  (20020703)
        504721.98   3634325.90       35.25755  (21122121)                502721.98
3634375.90       23.83588  (19083104)
        502771.98   3634375.90       25.77996  (19083104)                502821.98
3634375.90       27.81957  (19083104)
        503021.98   3634375.90       38.42203  (19083104)                503071.98
3634375.90       41.73648  (19083104)
        503121.98   3634375.90       45.15838  (19083104)                503171.98
3634375.90       48.83322  (19083104)
        503221.98   3634375.90       52.94402  (19083104)                503271.98
3634375.90       57.54596  (19083104)
        504221.98   3634375.90      128.77988  (20082306)                504271.98
3634375.90      117.54054  (20082306)
        504321.98   3634375.90      105.17991  (20082306)                504371.98
3634375.90       87.98630  (20082306)
        504421.98   3634375.90       58.88580  (20082306)                504471.98
3634375.90       48.63892  (20020703)
        504521.98   3634375.90       44.39543  (20020703)                504571.98
3634375.90       43.65492  (21122121)
        504621.98   3634375.90       42.06703  (21122121)                504671.98
3634375.90       40.12557  (20121803)
        504721.98   3634375.90       38.27894  (20121803)                502721.98
3634425.90       25.38672  (21021102)
        502771.98   3634425.90       26.92922  (21021102)                502821.98
3634425.90       28.62934  (21021102)
        504271.98   3634425.90       84.77667  (20122520)                504321.98
3634425.90       94.78769  (20082306)
        504371.98   3634425.90       93.59834  (20082306)                504421.98
3634425.90       68.01376  (20082306)
        504471.98   3634425.90       52.10362  (20082306)                504521.98
3634425.90       47.72894  (21122201)
        504571.98   3634425.90       44.30671  (19021906)                504621.98
3634425.90       41.72615  (19021906)
        504671.98   3634425.90       39.09010  (20013123)                504721.98
3634425.90       37.95003  (20013123)
        502721.98   3634475.90       30.61577  (21021102)                502771.98
3634475.90       32.52734  (21021102)
        502821.98   3634475.90       34.55201  (21021102)                504321.98
3634475.90       76.75414  (20121618)
        504371.98   3634475.90       93.77901  (20082805)                504421.98
3634475.90       84.27790  (20082306)
        504471.98   3634475.90       66.74936  (20082306)                504521.98
3634475.90       58.10170  (20082306)
        504571.98   3634475.90       54.17187  (20082306)                504621.98
3634475.90       51.27797  (20082306)
        504671.98   3634475.90       44.48593  (20082306)                504721.98
```

3634475.90   38.05478 (20082306)
        502721.98   3634525.90   32.60785 (21021102)   502771.98
3634525.90   34.37404 (21021102)
        504371.98   3634525.90   68.89400 (21011518)   504421.98
3634525.90   65.06796 (21011518)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504471.98   3634525.90   107.06397 (20082306)   504521.98
3634525.90   91.47332 (20082306)
        504571.98   3634525.90   78.19218 (20082306)   504621.98
3634525.90   66.60838 (20082306)
        504671.98   3634525.90   54.09261 (20082306)   504721.98
3634525.90   45.26411 (20082306)
        502721.98   3634575.90   30.79005 (21021102)   502771.98
3634575.90   32.25692 (21021102)
        504421.98   3634575.90   59.20782 (21101422)   504471.98
3634575.90   54.46995 (21011518)
        504521.98   3634575.90   57.91636 (20082306)   504571.98
3634575.90   73.55528 (20082306)
        504621.98   3634575.90   64.47541 (20041201)   504671.98
3634575.90   62.11251 (20041201)
        504721.98   3634575.90   55.82476 (20041201)   502721.98
3634625.90   25.72744 (21021102)

```
        502771.98   3634625.90       27.19172  (19050903)                502821.98
3634625.90       29.74108  (19050903)
        502871.98   3634625.90       32.41279  (19050903)                502921.98
3634625.90       35.22694  (19050903)
        502971.98   3634625.90       38.20282  (19050903)                503021.98
3634625.90       41.31745  (19050903)
        503071.98   3634625.90       44.56226  (19050903)                503121.98
3634625.90       47.93781  (19050903)
        504471.98   3634625.90       57.02667  (21020220)                504521.98
3634625.90       52.81680  (21020220)
        504571.98   3634625.90       49.58736  (21101422)                504621.98
3634625.90       57.80448  (21012820)
        504671.98   3634625.90       56.43224  (21012820)                504721.98
3634625.90       58.29247  (20041201)
        502721.98   3634675.90       28.19702  (19050903)                502771.98
3634675.90       30.21093  (19050903)
        502821.98   3634675.90       32.29415  (19050903)                502871.98
3634675.90       34.38381  (19050903)
        502921.98   3634675.90       36.48110  (19050903)                502971.98
3634675.90       38.59163  (19050903)
        503021.98   3634675.90       40.67009  (19050903)                503071.98
3634675.90       42.73446  (19050903)
        503121.98   3634675.90       44.83114  (19050903)                503171.98
3634675.90       46.86195  (19050903)
        503221.98   3634675.90       53.97809  (21011719)                503271.98
3634675.90       60.22477  (21011719)
        503321.98   3634675.90       64.38293  (21011719)                503371.98
3634675.90       73.76674  (20022207)
        503421.98   3634675.90       85.00089  (20022207)                503471.98
3634675.90       96.95206  (21011719)
        503521.98   3634675.90      111.38514  (21011719)                504521.98
3634675.90       51.60358  (21020220)
        504571.98   3634675.90       49.05969  (21020220)                504621.98
3634675.90       49.38959  (21020220)
        504671.98   3634675.90       48.75030  (21020220)                504721.98
3634675.90       54.06426  (21012820)
        502721.98   3634725.90       28.81466  (19050903)                502771.98
3634725.90       30.15462  (19050903)
        502821.98   3634725.90       31.42554  (19050903)                502871.98
3634725.90       32.60545  (19050903)
        502921.98   3634725.90       33.65397  (19050903)                502971.98
3634725.90       34.55416  (19050903)
        503021.98   3634725.90       35.27212  (19050903)                503071.98
3634725.90       36.96107  (21011719)
        503121.98   3634725.90       44.58367  (21011719)                503171.98
3634725.90       50.50955  (21011719)
        503221.98   3634725.90       54.79094  (21011719)                503271.98
3634725.90       58.93877  (21011719)
        503321.98   3634725.90       67.58869  (20022207)                503371.98
3634725.90       76.50962  (20022207)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502971.98	3634775.90	32.17364	(20021724)	503021.98	3634775.90	37.83784	(21011719)
503071.98	3634775.90	43.26457	(21011719)	503121.98	3634775.90	47.49459	(21011719)
503171.98	3634775.90	51.15480	(21011719)	503221.98	3634775.90	55.31098	(21011719)
503271.98	3634775.90	62.39575	(20022207)	503321.98			

3634775.90 69.25416 (20022207)
503371.98 3634775.90 74.44966 (20022207) 503421.98
3634775.90 77.41156 (20022207)
503471.98 3634775.90 78.35247 (21012023) 503521.98
3634775.90 81.34907 (19121706)
503571.98 3634775.90 81.73507 (19121706) 503621.98
3634775.90 93.70780 (20120224)
503671.98 3634775.90 104.33802 (21012024) 503721.98
3634775.90 103.44939 (21012024)
503771.98 3634775.90 86.35828 (21012024) 503821.98
3634775.90 94.28508 (21021806)
504621.98 3634775.90 32.43089 (21020220) 504671.98
3634775.90 35.19839 (21020220)
504721.98 3634775.90 38.98445 (20082303) 502721.98
3634825.90 22.07655 (19050903)
502771.98 3634825.90 21.77493 (19050903) 502821.98
3634825.90 25.03532 (20021724)
502871.98 3634825.90 28.62949 (20021724) 502921.98
3634825.90 32.77489 (21011719)
502971.98 3634825.90 37.67769 (21011719) 503021.98
3634825.90 41.71482 (21011719)
503071.98 3634825.90 45.06754 (21011719) 503121.98
3634825.90 48.22616 (21011719)
503171.98 3634825.90 51.43849 (21011719) 503221.98
3634825.90 57.86036 (20022207)
503271.98 3634825.90 62.86057 (20022207) 503321.98
3634825.90 65.87586 (20022207)
503371.98 3634825.90 66.81920 (21012023) 503421.98
3634825.90 68.05012 (20040823)
503471.98 3634825.90 70.35855 (21121424) 503521.98
3634825.90 72.35974 (19121706)
503571.98 3634825.90 70.09280 (19121706) 503621.98
3634825.90 81.93547 (21021806)
503671.98 3634825.90 88.83516 (21012024) 503721.98
3634825.90 90.76667 (21012024)
503771.98 3634825.90 78.01771 (21012024) 503821.98
3634825.90 81.59886 (21021806)
503871.98 3634825.90 86.26068 (21012024) 503921.98
3634825.90 73.77939 (21013118)
504671.98 3634825.90 24.46052 (20082303) 504721.98
3634825.90 33.92708 (20082303)
502721.98 3634875.90 22.72627 (20021724) 502771.98
3634875.90 25.70703 (20021724)
502821.98 3634875.90 28.84529 (21011719) 502871.98
3634875.90 33.23886 (21011719)
502921.98 3634875.90 37.00962 (21011719) 502971.98
3634875.90 40.11093 (21011719)
503021.98 3634875.90 42.71783 (21011719) 503071.98
3634875.90 44.95481 (21011719)
503121.98 3634875.90 48.51089 (20022207) 503171.98

3634875.90   53.60749 (20022207)
        503221.98   3634875.90   57.00369 (20022207)   503271.98
3634875.90   58.19938 (20022207)
        503321.98   3634875.90   59.31949 (21012023)   503371.98
3634875.90   60.38155 (20040823)
        503421.98   3634875.90   62.30233 (21121424)   503471.98
3634875.90   63.69959 (19121706)
        503521.98   3634875.90   63.78369 (19121706)   503571.98
3634875.90   61.57115 (20120224)
        503621.98   3634875.90   74.43152 (21021806)   503671.98
3634875.90   77.40883 (21012024)
        503721.98   3634875.90   80.58249 (21012024)   503771.98
3634875.90   76.30236 (21012024)
        503821.98   3634875.90   75.61068 (21012024)   503871.98
3634875.90   76.65684 (21013118)
        503921.98   3634875.90   96.69951 (19122420)   504721.98
3634875.90   19.59634 (20082303)
        502721.98   3634925.90   25.69588 (21011719)   502771.98
3634925.90   29.63328 (21011719)
        502821.98   3634925.90   33.10440 (21011719)   502871.98
3634925.90   35.96775 (21011719)
        502921.98   3634925.90   38.24902 (21011719)   502971.98
3634925.90   39.94600 (21011719)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955 , L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963 , L0000964   , L0000965   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

```
 - - -
```

```
        503021.98   3635025.90       41.93963  (20022207)               503071.98
3635025.90       41.82454  (20022207)
        503121.98   3635025.90       43.29364  (21012023)               503171.98
3635025.90       43.02252  (21012023)
        503221.98   3635025.90       44.49258  (20040823)               503271.98
3635025.90       46.09739  (20040823)
        503321.98   3635025.90       47.41894  (21121424)               503371.98
3635025.90       47.59121  (19121706)
        503421.98   3635025.90       48.79055  (19121706)               503471.98
3635025.90       46.78932  (19121706)
        503521.98   3635025.90       44.17765  (19020322)               503571.98
3635025.90       51.52036  (20120224)
        503621.98   3635025.90       57.79914  (21021806)               503671.98
3635025.90       61.96148  (21021806)
        503721.98   3635025.90       82.60922  (20071102)               503771.98
3635025.90       92.54238  (19122420)
        503821.98   3635025.90       80.94574  (20092001)               504371.98
3635025.90       44.38490  (21012617)
        502721.98   3635075.90       30.08023  (21011719)               502771.98
3635075.90       29.65388  (21011719)
        502821.98   3635075.90       32.36034  (20022207)               502871.98
3635075.90       35.53992  (20022207)
        502921.98   3635075.90       37.63932  (20022207)               502971.98
3635075.90       38.37323  (20022207)
        503021.98   3635075.90       38.54238  (21012023)               503071.98
3635075.90       39.68504  (21012023)
        503121.98   3635075.90       38.92464  (21012023)               503171.98
3635075.90       40.68701  (20040823)
        503221.98   3635075.90       42.22301  (20040823)               503271.98
3635075.90       43.45024  (21121424)
        503321.98   3635075.90       43.25350  (21121424)               503371.98
3635075.90       45.07812  (19121706)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 884
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503421.98	3635075.90	44.16696	(19121706)	503471.98	3635075.90	40.62576	(19121706)
503521.98	3635075.90	41.59216	(20120224)	503571.98	3635075.90	48.31891	(20120224)
503621.98	3635075.90	53.90467	(21021806)	503671.98	3635075.90	58.34189	(21021806)
503721.98	3635075.90	74.91151	(20071102)	503771.98	3635075.90	83.74040	(19122420)
503821.98	3635075.90	69.07675	(19122420)	504371.98	3635075.90	38.87408	(21012617)
504421.98	3635075.90	40.24855	(21012617)	504471.98	3635075.90	39.24810	(21012617)
504521.98	3635075.90	36.26944	(21012617)	502721.98	3635125.90	28.02716	(20022207)
502771.98	3635125.90	31.20265	(20022207)	502821.98	3635125.90	33.60533	(20022207)
502871.98	3635125.90	34.95929	(20022207)	502921.98	3635125.90	35.03917	(20022207)
502971.98	3635125.90	35.84451	(21012023)	503021.98	3635125.90	36.45660	(21012023)
503071.98	3635125.90	35.33331	(21012023)	503121.98	3635125.90	37.38128	(20040823)
503171.98	3635125.90	38.85126	(20040823)	503221.98	3635125.90	39.89091	(21121424)
503271.98	3635125.90	40.20014	(21121424)	503321.98	3635125.90	41.32305	(19121706)
503371.98	3635125.90	41.56060	(19121706)	503421.98	3635125.90	38.99645	(19121706)
503471.98	3635125.90	37.65082	(19020322)	503521.98	3635125.90	40.65380	(20120224)
503571.98	3635125.90	49.35153	(20120224)	503621.98	3635125.90	52.33042	(21021806)
503671.98	3635125.90	63.11117	(19101219)	503721.98	3635125.90	71.67509	(20071102)
503771.98	3635125.90	70.61807	(19122420)	503821.98	3635125.90	65.78459	(19122420)
504371.98	3635125.90	37.60177	(20011620)	504421.98	3635125.90	36.90814	(21012617)
504471.98	3635125.90	36.70653	(21012617)	504521.98			

3635125.90   36.07239 (21012617)
        504571.98   3635125.90   33.64401 (21012617)   502721.98
3635175.90   29.92122 (20022207)
        502771.98   3635175.90   31.64782 (20022207)   502821.98
3635175.90   32.35117 (20022207)
        502871.98   3635175.90   31.87152 (20022207)   502921.98
3635175.90   33.36221 (21012023)
        502971.98   3635175.90   33.54502 (21012023)   503021.98
3635175.90   32.16562 (21012023)
        503071.98   3635175.90   34.50373 (20040823)   503121.98
3635175.90   35.90108 (20040823)
        503171.98   3635175.90   36.73348 (21121424)   503221.98
3635175.90   37.43139 (21121424)
        503271.98   3635175.90   37.66163 (19121706)   503321.98
3635175.90   38.92703 (19121706)
        503371.98   3635175.90   37.36070 (19121706)   503421.98
3635175.90   34.54447 (19020322)
        503471.98   3635175.90   34.56669 (19020322)   503521.98
3635175.90   39.42587 (20120224)
        503571.98   3635175.90   51.37581 (20120224)   503621.98
3635175.90   55.66156 (21021806)
        503671.98   3635175.90   64.82495 (19101219)   503721.98
3635175.90   63.76021 (20071102)
        503771.98   3635175.90   62.88761 (19072224)   503821.98
3635175.90   59.65707 (19072224)
        504371.98   3635175.90   36.14337 (20011620)   504421.98
3635175.90   34.57923 (20011620)
        504471.98   3635175.90   32.27024 (21012617)   504521.98
3635175.90   33.65795 (21012617)
        504571.98   3635175.90   34.19136 (21012617)   504621.98
3635175.90   31.33380 (21012617)
        502721.98   3635225.90   29.71068 (20022207)   502771.98
3635225.90   29.90269 (20022207)
        502821.98   3635225.90   29.92084 (21012023)   502871.98
3635225.90   31.07391 (21012023)
        502921.98   3635225.90   30.90781 (21012023)   502971.98
3635225.90   29.36290 (21012023)
        503021.98   3635225.90   31.98140 (20040823)   503071.98
3635225.90   33.30270 (20040823)
        503121.98   3635225.90   33.88390 (21121424)   503171.98
3635225.90   34.92905 (21121424)

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

```
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        503221.98   3635225.90       34.14626  (19121706)                503271.98
3635225.90       36.28537  (19121706)
        503321.98   3635225.90       35.70997  (19121706)                503371.98
3635225.90       32.70144  (19121706)
        503421.98   3635225.90       32.55716  (19020322)                503471.98
3635225.90       31.74490  (20120224)
        503521.98   3635225.90       38.05581  (20120224)                503571.98
3635225.90       51.00656  (20120224)
        503621.98   3635225.90       61.20088  (21081004)                503671.98
3635225.90       64.28105  (19101219)
        504371.98   3635225.90       33.18103  (20011620)                504421.98
3635225.90       33.33721  (20011620)
        504471.98   3635225.90       31.29073  (20011620)                504521.98
3635225.90       29.64824  (21012617)
        504571.98   3635225.90       32.65274  (21012617)                504621.98
3635225.90       30.94489  (21012617)
        502721.98   3635275.90       27.54040  (20022207)                502771.98
3635275.90       28.19219  (21012023)
        502821.98   3635275.90       28.95603  (21012023)                502871.98
3635275.90       28.52841  (21012023)
        502921.98   3635275.90       27.08869  (20040823)                502971.98
3635275.90       29.72367  (20040823)
        503021.98   3635275.90       30.95008  (20040823)                503071.98
3635275.90       31.27341  (21121424)
        503121.98   3635275.90       32.56394  (21121424)                503171.98
3635275.90       31.79886  (21121424)
        503221.98   3635275.90       33.57436  (19121706)                503271.98
3635275.90       33.89002  (19121706)
        503321.98   3635275.90       31.82053  (19121706)                503371.98
3635275.90       29.93692  (19020322)
```

503421.98 3635275.90 30.21555 (19020322) 503471.98
3635275.90 31.72971 (20120224)
503521.98 3635275.90 36.69043 (20120224) 503571.98
3635275.90 42.88088 (20120224)
503621.98 3635275.90 53.66480 (21081004) 504371.98
3635275.90 32.10015 (20011620)
504421.98 3635275.90 34.54412 (20011620) 504471.98
3635275.90 32.71511 (20011620)
504521.98 3635275.90 29.55476 (20011620) 504571.98
3635275.90 28.74077 (21012617)
504621.98 3635275.90 30.45299 (21012617) 504671.98
3635275.90 28.63861 (21012617)
502721.98 3635325.90 26.59312 (21012023) 502771.98
3635325.90 28.36921 (21012023)
502821.98 3635325.90 28.19984 (21012023) 502871.98
3635325.90 26.23032 (21012023)
502921.98 3635325.90 28.44154 (20040823) 502971.98
3635325.90 29.08908 (20040823)
503021.98 3635325.90 30.17238 (20040823) 503071.98
3635325.90 32.18692 (21121424)
503121.98 3635325.90 32.48685 (21121424) 503171.98
3635325.90 32.07878 (19121706)
503221.98 3635325.90 31.97661 (19121706) 503271.98
3635325.90 30.77724 (19121706)
503321.98 3635325.90 27.56148 (19121706) 503371.98
3635325.90 28.40420 (19020322)
503421.98 3635325.90 27.64714 (19020322) 503471.98
3635325.90 31.41260 (20120224)
503521.98 3635325.90 35.18415 (20120224) 503571.98
3635325.90 38.05875 (21021806)
503621.98 3635325.90 48.81542 (21021806) 504371.98
3635325.90 28.05419 (20011620)
504421.98 3635325.90 30.79080 (20011620) 504471.98
3635325.90 31.56201 (20011620)
504521.98 3635325.90 29.16269 (20011620) 504571.98
3635325.90 26.39181 (20011620)
504621.98 3635325.90 27.00978 (21012617) 504671.98
3635325.90 31.02035 (21012617)
504721.98 3635325.90 26.69663 (21012617) 502721.98
3635375.90 28.05319 (21012023)
502771.98 3635375.90 34.83698 (21012023) 502821.98
3635375.90 35.88966 (20122721)
502871.98 3635375.90 36.41792 (20070801) 502921.98
3635375.90 37.01664 (20070802)
502971.98 3635375.90 29.01389 (20040823) 503021.98
3635375.90 40.70866 (21121424)
503071.98 3635375.90 42.99082 (19091321) 503121.98
3635375.90 31.80527 (21121424)
503171.98 3635375.90 32.36397 (19121706) 503221.98
3635375.90 29.58609 (19121706)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635375.90	27.19397	(19121706)	503321.98	3635375.90	26.25242	(19020322)
503371.98	3635375.90	26.56946	(19020322)	503421.98	3635375.90	25.32745	(20120224)
503471.98	3635375.90	30.89473	(20120224)	503521.98	3635375.90	33.63142	(20120224)
503571.98	3635375.90	36.66998	(21021806)	503621.98	3635375.90	41.80112	(21021806)
503671.98	3635375.90	52.28326	(19101219)	503721.98	3635375.90	53.69580	(20071102)
504371.98	3635375.90	22.40359	(20011620)	504421.98	3635375.90	26.28020	(20011620)
504471.98	3635375.90	28.13753	(20011620)	504521.98	3635375.90	28.29574	(20011620)
504571.98	3635375.90	26.48498	(20011620)	504621.98	3635375.90	25.59816	(20011620)
504671.98	3635375.90	27.23027	(21012617)	504721.98	3635375.90	27.99707	(21012617)
502721.98	3635425.90	30.75548	(21012023)	502771.98	3635425.90	34.81771	(20070801)
502821.98	3635425.90	36.21661	(20070801)	502871.98			

3635425.90 38.64427 (20070802)
502921.98 3635425.90 40.42751 (20070802) 502971.98
3635425.90 40.56509 (21121424)
503021.98 3635425.90 42.72014 (19091321) 503071.98
3635425.90 45.16686 (20042421)
503121.98 3635425.90 31.18382 (19121706) 503171.98
3635425.90 31.50390 (19121706)
503221.98 3635425.90 29.00849 (19121706) 503271.98
3635425.90 27.55207 (19121706)
503321.98 3635425.90 27.98272 (19020322) 503371.98
3635425.90 26.68327 (19020322)
503421.98 3635425.90 25.83246 (20120224) 503471.98
3635425.90 31.84147 (20120224)
503521.98 3635425.90 36.95551 (20120224) 503571.98
3635425.90 40.01012 (21021806)
503621.98 3635425.90 40.97022 (21021806) 503671.98
3635425.90 49.78869 (19101219)
503721.98 3635425.90 52.25735 (20071102) 503771.98
3635425.90 50.29052 (20071102)
503821.98 3635425.90 51.82919 (19122420) 504371.98
3635425.90 22.42489 (21121422)
504421.98 3635425.90 23.82326 (20011620) 504471.98
3635425.90 27.31328 (20011620)
504521.98 3635425.90 27.25425 (20011620) 504571.98
3635425.90 27.29982 (20011620)
504621.98 3635425.90 27.82966 (20011620) 504671.98
3635425.90 27.07908 (21122618)
504721.98 3635425.90 26.62593 (21122618) 502721.98
3635475.90 32.05122 (20122721)
502771.98 3635475.90 34.39823 (20070801) 502821.98
3635475.90 36.46642 (20070802)
502871.98 3635475.90 38.73093 (20070802) 502921.98
3635475.90 38.41863 (21121424)
502971.98 3635475.90 41.52401 (19091321) 503021.98
3635475.90 43.20607 (20042421)
503071.98 3635475.90 42.69818 (20042421) 503121.98
3635475.90 30.60295 (19121706)
503171.98 3635475.90 29.59541 (19121706) 503221.98
3635475.90 27.73069 (19121706)
503271.98 3635475.90 27.93036 (19020322) 503321.98
3635475.90 28.10463 (19020322)
503371.98 3635475.90 25.72322 (19020322) 503421.98
3635475.90 27.24280 (20120224)
503471.98 3635475.90 33.84977 (20120224) 503521.98
3635475.90 36.86719 (20120224)
503571.98 3635475.90 40.95739 (21021806) 503621.98
3635475.90 40.11985 (21021806)
503671.98 3635475.90 43.81770 (19101219) 503721.98
3635475.90 44.75507 (20071102)
503771.98 3635475.90 48.53085 (20071102) 503821.98

3635475.90   47.82168 (19122420)
        503871.98   3635475.90   53.63724 (19122420)   503921.98
3635475.90   52.12867 (19122420)
        504371.98   3635475.90   13.22704 (20040223)   504421.98
3635475.90   16.68603 (20011620)
        504471.98   3635475.90   21.81568 (20011620)   504521.98
3635475.90   23.82456 (20011620)
        504571.98   3635475.90   26.38203 (20011620)   504621.98
3635475.90   27.99472 (20011620)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504671.98   3635475.90   28.92642 (21122618)   504721.98
3635475.90   39.08877 (21122618)
        502221.98   3632975.90   4.21513 (19010119)   502271.98
3632975.90   5.19923 (21030103)
        502321.98   3632975.90   6.48724 (21030103)   502371.98
3632975.90   7.89704 (21030103)
        502421.98   3632975.90   9.35137 (21030103)   502471.98
3632975.90   10.74507 (21030103)
        502521.98   3632975.90   11.95036 (21030103)   502571.98
3632975.90   12.84440 (21030103)
        502621.98   3632975.90   13.31137 (21030103)   502671.98
3632975.90   15.02695 (20121603)

```
        502721.98   3632975.90       17.22152  (20121603)                502771.98
3632975.90       19.60799  (20121603)
        502821.98   3632975.90       27.02913  (20121603)                502871.98
3632975.90       28.68414  (20121603)
        502921.98   3632975.90       30.30931  (20092124)                502971.98
3632975.90       28.73149  (20090205)
        503021.98   3632975.90       29.79277  (20090205)                503071.98
3632975.90       33.35912  (20090205)
        503121.98   3632975.90       31.44025  (20102407)                503171.98
3632975.90       32.33902  (20111701)
        503221.98   3632975.90       32.37743  (20111701)                503271.98
3632975.90       32.93887  (19081924)
        503321.98   3632975.90       36.33422  (19081924)                503371.98
3632975.90       36.29676  (19081924)
        503421.98   3632975.90       33.84516  (19110606)                503471.98
3632975.90       34.75904  (19110606)
        503621.98   3632975.90       31.14035  (20050102)                503671.98
3632975.90       29.34649  (19042705)
        503721.98   3632975.90       26.60412  (19042705)                503771.98
3632975.90       29.69087  (20082921)
        503821.98   3632975.90       25.54075  (20082921)                503871.98
3632975.90       21.98675  (20082921)
        503921.98   3632975.90       21.17939  (20080820)                503971.98
3632975.90       21.98568  (20022622)
        504021.98   3632975.90       21.94090  (21013120)                504071.98
3632975.90       21.43371  (21011302)
        504121.98   3632975.90       21.24657  (19102905)                504171.98
3632975.90       21.33292  (19102905)
        504221.98   3632975.90       21.53731  (20022403)                504271.98
3632975.90       21.29951  (21011620)
        504321.98   3632975.90       21.12955  (21013021)                504371.98
3632975.90       21.49849  (21013021)
        504421.98   3632975.90       20.63525  (21013021)                504471.98
3632975.90       20.50787  (21120723)
        504521.98   3632975.90       20.24490  (20073020)                504571.98
3632975.90       19.80221  (20112022)
        504621.98   3632975.90       20.19968  (21011323)                504671.98
3632975.90       19.81690  (21010102)
        504721.98   3632975.90       19.77723  (20011902)                504771.98
3632975.90       19.39863  (20011902)
        504821.98   3632975.90       19.52787  (19022705)                504871.98
3632975.90       19.37872  (21021820)
        504921.98   3632975.90       19.29226  (21011520)                504971.98
3632975.90       18.97381  (21011520)
        505021.98   3632975.90       18.70474  (21010522)                505071.98
3632975.90       18.47002  (19122301)
        505121.98   3632975.90       18.25507  (20122923)                505171.98
3632975.90       17.64040  (20122923)
        505221.98   3632975.90       17.62849  (20100121)                502221.98
3633025.90        4.80141  (19010119)
```

```
        502271.98   3633025.90        4.47505  (19010119)                502321.98
3633025.90        5.54022  (21030103)
        502371.98   3633025.90        6.92799  (21030103)                502421.98
3633025.90        8.44032  (21030103)
        502471.98   3633025.90        9.98501  (21030103)                502521.98
3633025.90       11.44749  (21030103)
        502571.98   3633025.90       12.68578  (21030103)                502621.98
3633025.90       13.55753  (21030103)
        502671.98   3633025.90       13.94342  (21030103)                502721.98
3633025.90       16.41352  (20121603)
        502771.98   3633025.90       18.55967  (20121603)                502821.98
3633025.90       27.99269  (20121603)
        502871.98   3633025.90       29.94967  (20121603)                502921.98
3633025.90       28.58537  (20121603)
        502971.98   3633025.90       27.62191  (20090205)                503021.98
3633025.90       32.64252  (20090205)
        503071.98   3633025.90       36.59862  (20090205)                503121.98
3633025.90       30.56493  (20090205)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 888
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503171.98   3633025.90       31.46444  (20111701)                503221.98
3633025.90       32.47435  (20111701)
        503271.98   3633025.90       32.55110  (19081924)                503321.98
```

```
3633025.90       37.90866  (19081924)
        503371.98   3633025.90       37.97426  (19081924)                503421.98
3633025.90       34.12092  (19110606)
        503471.98   3633025.90       35.78269  (19110606)                503621.98
3633025.90       30.85070  (20050102)
        503671.98   3633025.90       29.93943  (19042705)                503721.98
3633025.90       27.88941  (19042705)
        503771.98   3633025.90       28.31813  (20082921)                503821.98
3633025.90       24.57609  (20082921)
        503871.98   3633025.90       22.23745  (20082921)                503921.98
3633025.90       21.92268  (19032124)
        503971.98   3633025.90       22.50436  (20022622)                504021.98
3633025.90       22.48796  (21013120)
        504071.98   3633025.90       21.72340  (21011302)                504121.98
3633025.90       22.10651  (19102905)
        504171.98   3633025.90       21.84027  (19121107)                504221.98
3633025.90       21.92424  (20022403)
        504271.98   3633025.90       21.92176  (21011620)                504321.98
3633025.90       22.15329  (21013021)
        504371.98   3633025.90       21.74724  (21013021)                504421.98
3633025.90       21.26950  (21120723)
        504471.98   3633025.90       20.70246  (20101423)                504521.98
3633025.90       20.75830  (20073020)
        504571.98   3633025.90       20.69778  (21011323)                504621.98
3633025.90       20.42491  (21011323)
        504671.98   3633025.90       20.38670  (21010102)                504721.98
3633025.90       20.13717  (20011902)
        504771.98   3633025.90       20.11458  (19022705)                504821.98
3633025.90       20.00636  (21021820)
        504871.98   3633025.90       19.77810  (21011520)                504921.98
3633025.90       19.64031  (21011520)
        504971.98   3633025.90       19.23841  (21010522)                505021.98
3633025.90       19.00297  (19122301)
        505071.98   3633025.90       18.77934  (20122923)                505121.98
3633025.90       18.22931  (20122923)
        505171.98   3633025.90       18.13268  (20100121)                505221.98
3633025.90       18.41178  (21022502)
        502221.98   3633075.90        5.40406  (19010119)                502271.98
3633075.90        5.11697  (19010119)
        502321.98   3633075.90        4.75912  (19010119)                502371.98
3633075.90        5.91747  (21030103)
        502421.98   3633075.90        7.41352  (21030103)                502471.98
3633075.90        9.03218  (21030103)
        502521.98   3633075.90       10.67835  (21030103)                502571.98
3633075.90       12.21304  (21030103)
        502621.98   3633075.90       13.47465  (21030103)                502671.98
3633075.90       14.31073  (21030103)
        502721.98   3633075.90       15.23373  (20121603)                502771.98
3633075.90       17.89871  (20121603)
        502821.98   3633075.90       26.33685  (20121603)                502871.98
```

3633075.90   29.78214 (20121603)
        502921.98   3633075.90   30.61681 (20121603)   502971.98
3633075.90   31.13554 (21063005)
        503021.98   3633075.90   34.15957 (20090205)   503071.98
3633075.90   35.38197 (20090205)
        503121.98   3633075.90   34.60513 (20092124)   503171.98
3633075.90   31.27886 (20102407)
        503221.98   3633075.90   31.79759 (20111701)   503271.98
3633075.90   33.26700 (20111701)
        503321.98   3633075.90   38.04953 (19081924)   503371.98
3633075.90   38.91076 (19081924)
        503421.98   3633075.90   34.28098 (19110606)   503471.98
3633075.90   36.75825 (19110606)
        503621.98   3633075.90   30.70493 (20050102)   503671.98
3633075.90   29.72985 (19042705)
        503721.98   3633075.90   27.77758 (20082921)   503771.98
3633075.90   27.82026 (20082921)
        503821.98   3633075.90   24.39765 (20082921)   503871.98
3633075.90   22.61750 (20082921)
        503921.98   3633075.90   22.69411 (19032124)   503971.98
3633075.90   22.91806 (20022622)
        504021.98   3633075.90   22.88847 (21013120)   504071.98
3633075.90   21.95097 (21011302)
        504121.98   3633075.90   22.72746 (19102905)   504171.98
3633075.90   22.72585 (20022403)
        504221.98   3633075.90   22.35817 (21011620)   504271.98
3633075.90   22.21155 (21011620)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955 , L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963 , L0000964   , L0000965   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3633075.90	22.74594	(21013021)	504371.98	3633075.90	21.87611	(21013021)
504421.98	3633075.90	21.58115	(21120723)	504471.98	3633075.90	21.47632	(20073020)
504521.98	3633075.90	20.96861	(21011323)	504571.98	3633075.90	21.21510	(21011323)
504621.98	3633075.90	21.01674	(21010102)	504671.98	3633075.90	20.83327	(20011902)
504721.98	3633075.90	20.65389	(19022705)	504771.98	3633075.90	20.61234	(21021820)
504821.98	3633075.90	20.24509	(21011520)	504871.98	3633075.90	20.29696	(21011520)
504921.98	3633075.90	19.78628	(21010522)	504971.98	3633075.90	19.56548	(19122301)
505021.98	3633075.90	19.33884	(20122923)	505071.98	3633075.90	18.83837	(20122923)
505121.98	3633075.90	18.67277	(21022502)	505171.98	3633075.90	18.93352	(21022502)
505221.98	3633075.90	18.43156	(19120104)	502221.98	3633125.90	5.98571	(19010119)
502271.98	3633125.90	5.75487	(19010119)	502321.98	3633125.90	5.44529	(19010119)
502371.98	3633125.90	5.07001	(19010119)	502421.98	3633125.90	6.33081	(21030103)
502471.98	3633125.90	7.94499	(21030103)	502521.98	3633125.90	9.68830	(21030103)
502571.98	3633125.90	11.44017	(21030103)	502621.98	3633125.90	13.04336	(21030103)
502671.98	3633125.90	14.32100	(21030103)	502721.98	3633125.90	15.10492	(21030103)
502771.98	3633125.90	16.79044	(20121603)	502821.98	3633125.90	19.84811	(20121603)
502871.98	3633125.90	28.65749	(20121603)	502921.98	3633125.90	30.67784	(20121603)
502971.98	3633125.90	32.88923	(20092124)	503021.98	3633125.90	37.32481	(20092124)
503071.98	3633125.90	39.99016	(20092124)	503121.98	3633125.90	38.33685	(20092124)
503171.98	3633125.90	32.18897	(20092124)	503221.98	3633125.90	31.69860	(20082723)
503271.98	3633125.90	33.93950	(20111701)	503321.98	3633125.90	38.17611	(19081924)
503371.98	3633125.90	40.55204	(19081924)	503421.98	3633125.90	35.53845	(19081924)

```
        503471.98   3633125.90       37.62277  (19110606)                503621.98
3633125.90       30.54600  (19091221)
        503671.98   3633125.90       29.69171  (20101121)                503721.98
3633125.90       27.53930  (20082921)
        503771.98   3633125.90       26.54406  (20082921)                503821.98
3633125.90       24.54010  (20082921)
        503871.98   3633125.90       23.16449  (20082921)                503921.98
3633125.90       23.80790  (20022622)
        503971.98   3633125.90       23.78550  (21013120)                504021.98
3633125.90       23.51300  (21011302)
        504071.98   3633125.90       23.08549  (19102905)                504121.98
3633125.90       23.17355  (21022205)
        504171.98   3633125.90       23.43608  (20022403)                504221.98
3633125.90       23.28217  (21011620)
        504271.98   3633125.90       23.44692  (21013021)                504321.98
3633125.90       23.03689  (21013021)
        504371.98   3633125.90       22.51098  (21120723)                504421.98
3633125.90       21.96042  (20101423)
        504471.98   3633125.90       21.98880  (20073020)                504521.98
3633125.90       21.95018  (21011323)
        504571.98   3633125.90       21.55390  (21010102)                504621.98
3633125.90       21.49247  (20011902)
        504671.98   3633125.90       21.14862  (19022705)                504721.98
3633125.90       21.19772  (21021820)
        504771.98   3633125.90       20.84087  (21021820)                504821.98
3633125.90       20.95163  (21011520)
        504871.98   3633125.90       20.33858  (21010522)                504921.98
3633125.90       20.16748  (21010522)
        504971.98   3633125.90       19.93380  (20122923)                505021.98
3633125.90       19.48026  (20122923)
        505071.98   3633125.90       19.26004  (21022502)                505121.98
3633125.90       19.47741  (21022502)
        505171.98   3633125.90       18.97631  (19120104)                505221.98
3633125.90       18.65236  (19112707)
        502221.98   3633175.90        6.49460  (19010119)                502271.98
3633175.90        6.35054  (19010119)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 890
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
```

```
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502321.98   3633175.90        6.11791  (19010119)               502371.98
3633175.90        5.80917  (19010119)
        502421.98   3633175.90        5.41910  (19010119)               502471.98
3633175.90        6.78795  (21030103)
        502521.98   3633175.90        8.53717  (21030103)               502571.98
3633175.90       10.41369  (21030103)
        502621.98   3633175.90       12.27684  (21030103)               502671.98
3633175.90       13.94595  (21030103)
        502721.98   3633175.90       15.21875  (21030103)               502771.98
3633175.90       18.91392  (21030103)
        502821.98   3633175.90       25.61935  (21030103)               502871.98
3633175.90       24.83927  (20121603)
        502921.98   3633175.90       30.26702  (20121603)               502971.98
3633175.90       30.71258  (20121603)
        503021.98   3633175.90       35.42551  (20092124)               503071.98
3633175.90       38.21840  (20092124)
        503121.98   3633175.90       39.25171  (20092124)               503171.98
3633175.90       33.21435  (20092124)
        503221.98   3633175.90       32.72940  (20082723)               503271.98
3633175.90       35.44563  (20111701)
        503321.98   3633175.90       37.53792  (19081924)               503371.98
3633175.90       41.05489  (19081924)
        503421.98   3633175.90       37.69968  (19081924)               503471.98
3633175.90       38.23690  (19110606)
        503621.98   3633175.90       30.26060  (19091221)               503671.98
3633175.90       30.19475  (20101121)
        503721.98   3633175.90       26.24446  (19031202)               503771.98
3633175.90       26.04937  (20082921)
        503821.98   3633175.90       24.91514  (20082921)               503871.98
3633175.90       23.75489  (20082921)
        503921.98   3633175.90       24.82789  (20022622)               503971.98
3633175.90       24.77187  (21013120)
        504021.98   3633175.90       23.93951  (21011302)               504071.98
3633175.90       24.19426  (19102905)
        504121.98   3633175.90       23.93440  (19121107)               504171.98
```

```
3633175.90       23.73517  (20022403)
        504221.98   3633175.90       23.71577  (21011620)                504271.98
3633175.90       24.17801  (21013021)
        504321.98   3633175.90       23.19818  (21013021)                504371.98
3633175.90       22.79384  (21120723)
        504421.98   3633175.90       22.84820  (20073020)                504471.98
3633175.90       22.53373  (21011323)
        504521.98   3633175.90       22.26529  (21011323)                504571.98
3633175.90       22.16245  (21010102)
        504621.98   3633175.90       21.81441  (20011902)                504671.98
3633175.90       21.84541  (19022705)
        504721.98   3633175.90       21.61889  (21021820)                504771.98
3633175.90       21.62847  (21011520)
        504821.98   3633175.90       20.99732  (21011520)                504871.98
3633175.90       20.83702  (21010522)
        504921.98   3633175.90       20.55380  (20122923)                504971.98
3633175.90       20.14540  (20122923)
        505021.98   3633175.90       19.89765  (21022502)                505071.98
3633175.90       20.05441  (21022502)
        505121.98   3633175.90       19.54503  (19120104)                505171.98
3633175.90       19.25332  (19112707)
        505221.98   3633175.90       19.30995  (20021702)                502221.98
3633225.90        6.90861  (19010119)
        502271.98   3633225.90        6.88475  (19010119)                502321.98
3633225.90        6.75500  (19010119)
        502371.98   3633225.90        6.53629  (19010119)                502421.98
3633225.90        6.21127  (19010119)
        502471.98   3633225.90        5.79284  (19010119)                502521.98
3633225.90        7.29331  (21030103)
        502571.98   3633225.90        9.19027  (21030103)                502621.98
3633225.90       11.21122  (21030103)
        502671.98   3633225.90       13.19180  (21030103)                502721.98
3633225.90       15.09484  (21030103)
        502771.98   3633225.90       17.28568  (21030103)                502821.98
3633225.90       21.45331  (21030103)
        502871.98   3633225.90       25.74927  (20121603)                502921.98
3633225.90       28.64862  (20121603)
        502971.98   3633225.90       29.09487  (20121603)                503021.98
3633225.90       30.89949  (20121603)
        503071.98   3633225.90       33.84167  (20092124)                503121.98
3633225.90       34.01932  (20092124)
        503171.98   3633225.90       34.98774  (20092124)                503221.98
3633225.90       33.16969  (20092124)
        503271.98   3633225.90       35.69663  (20082723)                503321.98
3633225.90       37.69280  (20111701)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503371.98	3633225.90	40.04637	(19081924)	503421.98	3633225.90	39.31303	(19081924)
503471.98	3633225.90	38.38671	(19110606)	503621.98	3633225.90	31.03794	(19091221)
503671.98	3633225.90	30.26088	(20101121)	503721.98	3633225.90	25.51774	(20082921)
503771.98	3633225.90	26.70972	(20082921)	503821.98	3633225.90	25.47619	(20082921)
503871.98	3633225.90	24.57645	(20080820)	503921.98	3633225.90	25.67208	(20022622)
503971.98	3633225.90	25.50575	(21013120)	504021.98	3633225.90	24.20757	(21011302)
504071.98	3633225.90	24.95788	(19102905)	504121.98	3633225.90	25.08225	(20022403)
504171.98	3633225.90	24.81708	(21011620)	504221.98	3633225.90	24.93279	(21013021)
504271.98	3633225.90	24.49922	(21013021)	504321.98	3633225.90	23.93746	(21120723)
504371.98	3633225.90	23.39899	(20073020)	504421.98	3633225.90	23.33060	(20073020)
504471.98	3633225.90	23.24690	(21011323)	504521.98	3633225.90	23.00064	(21010102)
504571.98	3633225.90	22.69430	(20011902)	504621.98	3633225.90	22.61170	(19022705)
504671.98	3633225.90	22.42176	(21021820)	504721.98	3633225.90	22.33874	(21011520)

504771.98 3633225.90 21.79713 (21011520) 504821.98 3633225.90 21.54026 (21010522)
504871.98 3633225.90 21.19502 (20122923) 504921.98 3633225.90 20.82796 (20122923)
504971.98 3633225.90 20.58262 (21022502) 505021.98 3633225.90 20.67599 (21022502)
505071.98 3633225.90 20.15348 (19120104) 505121.98 3633225.90 19.89386 (20021702)
505171.98 3633225.90 19.85878 (20021702) 505221.98 3633225.90 19.57342 (20020804)
502221.98 3633275.90 7.60628 (21111004) 502271.98 3633275.90 7.29564 (19010119)
502321.98 3633275.90 7.30695 (19010119) 502371.98 3633275.90 7.20290 (19010119)
502421.98 3633275.90 6.97895 (19010119) 502471.98 3633275.90 6.64622 (19010119)
502521.98 3633275.90 6.21528 (19010119) 502571.98 3633275.90 7.85472 (21030103)
502621.98 3633275.90 9.91519 (21030103) 502671.98 3633275.90 12.09337 (21030103)
502721.98 3633275.90 14.19857 (21030103) 502771.98 3633275.90 17.12082 (21030103)
502821.98 3633275.90 32.14385 (20122620) 502871.98 3633275.90 26.21477 (21030103)
502921.98 3633275.90 24.74628 (20121603) 502971.98 3633275.90 27.22903 (20121603)
503021.98 3633275.90 31.67705 (20121603) 503071.98 3633275.90 26.78616 (20121603)
503121.98 3633275.90 23.93846 (21063005) 503171.98 3633275.90 26.77514 (21063005)
503221.98 3633275.90 34.72665 (20092124) 503271.98 3633275.90 37.39787 (20082723)
503321.98 3633275.90 39.47938 (20111701) 503371.98 3633275.90 40.71825 (19081924)
503421.98 3633275.90 40.14639 (19081924) 503471.98 3633275.90 35.17922 (21020924)
503621.98 3633275.90 30.57797 (19082022) 503671.98 3633275.90 29.65483 (20101121)
503721.98 3633275.90 25.24718 (20082921) 503771.98 3633275.90 27.17300 (20082921)
503821.98 3633275.90 26.10069 (20082921) 503871.98 3633275.90 25.66861 (19032124)
503921.98 3633275.90 26.33395 (20022622) 503971.98 3633275.90 26.12570 (21011302)
504021.98 3633275.90 25.27552 (19102905) 504071.98 3633275.90 25.58763 (21022205)
504121.98 3633275.90 25.72761 (20022403) 504171.98 3633275.90 25.51406 (21011620)
504221.98 3633275.90 25.85935 (21013021) 504271.98 3633275.90 24.71893 (21120723)

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504521.98   3633275.90   23.59823 (20011902)   504571.98
3633275.90   23.37748 (19022705)
        504621.98   3633275.90   23.25008 (21021820)   504671.98
3633275.90   23.07574 (21011520)
        504721.98   3633275.90   22.62057 (21011520)   504771.98
3633275.90   22.26919 (21010522)
        504821.98   3633275.90   21.90010 (19122301)   504871.98
3633275.90   21.53473 (20122923)
        504921.98   3633275.90   21.28706 (21022502)   504971.98
3633275.90   21.33693 (19102119)
        505021.98   3633275.90   20.79659 (19120104)   505071.98
3633275.90   20.61038 (20021702)
        505121.98   3633275.90   20.44265 (20021702)   505171.98
3633275.90   20.12316 (20020804)
        505221.98   3633275.90   19.70784 (21010922)   502221.98
3633325.90   8.81014 (21111004)
        502271.98   3633325.90   8.31466 (21111004)   502321.98

3633325.90 7.71979 (19010119)
502371.98 3633325.90 7.76063 (19010119) 502421.98
3633325.90 7.67695 (19010119)
502471.98 3633325.90 7.46116 (19010119) 502521.98
3633325.90 7.12848 (19010119)
502571.98 3633325.90 6.67891 (19010119) 502621.98
3633325.90 8.47917 (21030103)
502671.98 3633325.90 10.72241 (21030103) 502721.98
3633325.90 13.07354 (21030103)
502771.98 3633325.90 16.98894 (21030103) 502821.98
3633325.90 23.12329 (21030103)
502871.98 3633325.90 18.54946 (21030103) 502921.98
3633325.90 21.82944 (20121603)
502971.98 3633325.90 25.81314 (20121603) 503021.98
3633325.90 28.78663 (20121603)
503071.98 3633325.90 27.90695 (20121603) 503121.98
3633325.90 25.74296 (20121603)
503171.98 3633325.90 23.86107 (21063005) 503221.98
3633325.90 24.92656 (21063005)
503271.98 3633325.90 39.58111 (20092124) 503321.98
3633325.90 41.10552 (20111701)
503371.98 3633325.90 41.71088 (20111701) 503421.98
3633325.90 36.25141 (20090124)
503471.98 3633325.90 32.55515 (21020924) 503621.98
3633325.90 30.03155 (19082022)
503671.98 3633325.90 28.57442 (20101121) 503721.98
3633325.90 25.35969 (20091518)
503771.98 3633325.90 28.04632 (20082921) 503821.98
3633325.90 26.79480 (20082921)
503871.98 3633325.90 26.90435 (19032124) 503921.98
3633325.90 27.17708 (21013120)
503971.98 3633325.90 26.82025 (21011302) 504021.98
3633325.90 26.68370 (19102905)
504071.98 3633325.90 26.58459 (20022403) 504121.98
3633325.90 26.34438 (21011620)
504171.98 3633325.90 26.58177 (21013021) 504221.98
3633325.90 26.21457 (21013021)
504271.98 3633325.90 25.57997 (21120723) 504321.98
3633325.90 25.08187 (20073020)
504371.98 3633325.90 24.78033 (20073020) 504421.98
3633325.90 24.55889 (21011323)
504471.98 3633325.90 24.46829 (20011902) 504521.98
3633325.90 24.10526 (19022705)
504571.98 3633325.90 24.11251 (21021820) 504621.98
3633325.90 23.83385 (21011520)
504671.98 3633325.90 23.48848 (21011520) 504721.98
3633325.90 23.06984 (21010522)
504771.98 3633325.90 22.65842 (19122301) 504821.98
3633325.90 22.26364 (20122923)
504871.98 3633325.90 22.05064 (21022502) 504921.98

3633325.90   22.02064 (19102119)
        504971.98   3633325.90   21.44039 (19120104)   505021.98
3633325.90   21.32516 (20021702)
        505071.98   3633325.90   21.03602 (20021702)   505121.98
3633325.90   20.70148 (20020804)
        505171.98   3633325.90   20.35842 (21012402)   505221.98
3633325.90   20.06925 (21012402)
        502221.98   3633375.90   9.90390 (21111004)   502271.98
3633375.90   9.57221 (21111004)
        502321.98   3633375.90   9.09041 (21111004)   502371.98
3633375.90   8.47122 (21111004)
        502421.98   3633375.90   8.24561 (19010119)   502471.98
3633375.90   8.19281 (19010119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
                L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
                L0000951   , L0000952   , L0000953   , L0000954   , L0000955 , L0000956   , L0000957   , L0000958   ,
                L0000959   , L0000960   , L0000961   , L0000962   , L0000963 , L0000964   , L0000965   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        502521.98   3633375.90   7.99979 (19010119)   502571.98
3633375.90   7.66403 (19010119)
        502621.98   3633375.90   7.19485 (19010119)   502671.98
3633375.90   9.17758 (21030103)
        502721.98   3633375.90   11.62535 (21030103)   502771.98
3633375.90   14.16623 (21030103)
        502821.98   3633375.90   16.53893 (21030103)   502871.98
3633375.90   18.43706 (21030103)

```
        502921.98   3633375.90       19.55561  (21030103)              502971.98
3633375.90       23.36869  (20121603)
        503021.98   3633375.90       27.57785  (20121603)              503071.98
3633375.90       28.12330  (20121603)
        503121.98   3633375.90       27.76233  (20121603)              503171.98
3633375.90       25.46152  (20121603)
        503221.98   3633375.90       25.34736  (21063005)              503271.98
3633375.90       27.61277  (20102407)
        503321.98   3633375.90       38.44177  (20111701)              503371.98
3633375.90       43.87347  (20111701)
        503421.98   3633375.90       33.72565  (20090124)              503471.98
3633375.90       36.89575  (21020924)
        503621.98   3633375.90       32.50295  (19082022)              503671.98
3633375.90       29.50150  (20101121)
        503721.98   3633375.90       26.98038  (20082921)              503771.98
3633375.90       29.39983  (20082921)
        503821.98   3633375.90       27.92814  (20082921)              503871.98
3633375.90       28.41214  (20022622)
        503921.98   3633375.90       28.53591  (21013120)              503971.98
3633375.90       28.12830  (20080922)
        504021.98   3633375.90       27.68236  (19102905)              504071.98
3633375.90       27.88013  (20022403)
        504121.98   3633375.90       27.47787  (21011620)              504171.98
3633375.90       27.80263  (21013021)
        504221.98   3633375.90       26.59274  (21120723)              504271.98
3633375.90       26.01383  (20073022)
        504321.98   3633375.90       26.12845  (20073020)              504371.98
3633375.90       25.71004  (21011323)
        504421.98   3633375.90       25.44705  (21010102)              504471.98
3633375.90       24.95327  (20011902)
        504521.98   3633375.90       24.98761  (21021820)              504571.98
3633375.90       24.60963  (21011520)
        504621.98   3633375.90       24.41331  (21011520)              504671.98
3633375.90       23.89889  (21010522)
        504721.98   3633375.90       23.47320  (19122301)              504771.98
3633375.90       23.04344  (20122923)
        504821.98   3633375.90       22.87894  (21022502)              504871.98
3633375.90       22.78448  (19102119)
        504921.98   3633375.90       22.10553  (19120104)              504971.98
3633375.90       22.02026  (20021702)
        505021.98   3633375.90       21.69422  (20020804)              505071.98
3633375.90       21.28082  (21010922)
        505121.98   3633375.90       21.05883  (21012402)              505171.98
3633375.90       20.74314  (20121620)
        505221.98   3633375.90       20.51816  (20022406)              502221.98
3633425.90       10.76475  (21111004)
        502271.98   3633425.90       10.65540  (21111004)              502321.98
3633425.90       10.37268  (21111004)
        502371.98   3633425.90        9.92327  (21111004)              502421.98
3633425.90        9.31545  (21111004)
```

```
        502471.98   3633425.90        8.78206  (19010119)               502521.98
3633425.90        8.76789  (19010119)
        502571.98   3633425.90        8.59358  (19010119)               502621.98
3633425.90        8.25885  (19010119)
        502671.98   3633425.90        7.76970  (19010119)               502721.98
3633425.90        9.96384  (21030103)
        502771.98   3633425.90       12.64321  (21030103)               502821.98
3633425.90       15.39517  (21030103)
        502871.98   3633425.90       17.91013  (21030103)               502921.98
3633425.90       19.82996  (21030103)
        502971.98   3633425.90       21.66797  (20121603)               503021.98
3633425.90       25.88498  (20121603)
        503071.98   3633425.90       28.79443  (20121603)               503121.98
3633425.90       29.80511  (20121603)
        503171.98   3633425.90       28.60962  (20121603)               503221.98
3633425.90       25.43151  (20121603)
        503271.98   3633425.90       26.22977  (20102407)               503321.98
3633425.90       39.17100  (20102407)
        503371.98   3633425.90       44.24009  (20111701)               503421.98
3633425.90       35.38049  (21110603)
        503471.98   3633425.90       39.77005  (21020924)               503621.98
3633425.90       37.99974  (19082022)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 894
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503671.98   3633425.90       32.89904  (20101121)                503721.98
3633425.90       29.50163  (20082921)
        503771.98   3633425.90       31.09318  (20082921)                503821.98
3633425.90       29.46358  (20081802)
        503871.98   3633425.90       29.79883  (20022622)                503921.98
3633425.90       30.38355  (20081802)
        503971.98   3633425.90       30.48808  (20080922)                504021.98
3633425.90       28.47654  (21022205)
        504071.98   3633425.90       28.40196  (20022403)                504121.98
3633425.90       28.54816  (20081021)
        504171.98   3633425.90       28.25337  (21013021)                504221.98
3633425.90       27.59725  (20073022)
        504271.98   3633425.90       27.91048  (20072721)                504321.98
3633425.90       29.86850  (20072721)
        504371.98   3633425.90       26.90406  (20072922)                504421.98
3633425.90       26.11720  (20011902)
        504471.98   3633425.90       25.96045  (19022705)                504521.98
3633425.90       25.49264  (21021820)
        504571.98   3633425.90       25.41909  (21011520)                504621.98
3633425.90       24.80766  (21010522)
        504671.98   3633425.90       24.32825  (19122301)                504721.98
3633425.90       23.85410  (20122923)
        504771.98   3633425.90       23.73193  (21022502)                504821.98
3633425.90       23.63812  (19102119)
        504871.98   3633425.90       22.83088  (19120104)                504921.98
3633425.90       22.90645  (20081805)
        504971.98   3633425.90       22.69227  (20081805)                505021.98
3633425.90       21.99779  (21010922)
        505071.98   3633425.90       21.73678  (21012402)                505121.98
3633425.90       21.43347  (20121620)
        505171.98   3633425.90       21.19076  (21022520)                505221.98
3633425.90       20.63220  (19010903)
        502221.98   3633475.90       11.30960  (21111004)                502271.98
3633475.90       11.46757  (21111004)
        502321.98   3633475.90       11.45198  (21111004)                502371.98
3633475.90       11.24967  (21111004)
        502421.98   3633475.90       10.85470  (21111004)                502471.98
3633475.90       10.28173  (21111004)
        502521.98   3633475.90        9.50395  (21111004)                502571.98
3633475.90        9.38457  (19010119)
        502621.98   3633475.90        9.24584  (19010119)                502671.98
3633475.90        8.91689  (19010119)
        504771.98   3633475.90       24.51852  (19102119)                504821.98
3633475.90       23.98676  (20080220)
        504871.98   3633475.90       25.47521  (20081805)                504921.98
3633475.90       25.82536  (20081805)
        504971.98   3633475.90       24.12287  (20081803)                505021.98
3633475.90       22.39638  (21012402)
        505071.98   3633475.90       22.09653  (20121620)                505121.98
```

```
3633475.90       21.83922  (21022520)
        505171.98   3633475.90       21.28647  (19010903)                505221.98
3633475.90       21.46912  (21011418)
        502221.98   3633525.90       11.47021  (21111004)                502271.98
3633525.90       11.91385  (21111004)
        502321.98   3633525.90       12.19804  (21111004)                502371.98
3633525.90       12.31231  (21111004)
        502421.98   3633525.90       12.21558  (21111004)                502471.98
3633525.90       11.89359  (21111004)
        502521.98   3633525.90       11.32107  (21111004)                502571.98
3633525.90       10.53390  (21111004)
        502621.98   3633525.90       10.05011  (19010119)                502671.98
3633525.90        9.95203  (19010119)
        504771.98   3633525.90       25.47492  (20081805)                504821.98
3633525.90       26.62114  (20081805)
        504871.98   3633525.90       26.78374  (20081805)                504921.98
3633525.90       27.12944  (20081803)
        504971.98   3633525.90       26.85437  (20081803)                505021.98
3633525.90       25.13751  (20111118)
        505071.98   3633525.90       22.77735  (20111118)                505121.98
3633525.90       22.25106  (20082222)
        505171.98   3633525.90       21.75961  (21011418)                505221.98
3633525.90       22.07043  (21011418)
        502221.98   3633575.90       11.21280  (21111004)                502271.98
3633575.90       11.90335  (21111004)
        502321.98   3633575.90       12.49547  (21111004)                502371.98
3633575.90       12.95168  (21111004)
        502421.98   3633575.90       13.20115  (21111004)                502471.98
3633575.90       13.20985  (21111004)
        502521.98   3633575.90       12.96339  (21111004)                502571.98
3633575.90       12.46050  (21111004)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 895
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633575.90	11.71220	(21111004)	502671.98	3633575.90	10.79028	(19010119)
504771.98	3633575.90	28.07190	(20081805)	504821.98	3633575.90	28.05649	(20081805)
504871.98	3633575.90	28.58206	(20081803)	504921.98	3633575.90	27.87625	(20111118)
504971.98	3633575.90	28.73930	(20111118)	505021.98	3633575.90	27.19830	(20111118)
505071.98	3633575.90	25.22787	(21011418)	505121.98	3633575.90	23.26520	(21011418)
505171.98	3633575.90	22.27190	(21011418)	505221.98	3633575.90	21.75612	(21011418)
502221.98	3633625.90	10.50991	(21111004)	502271.98	3633625.90	11.41277	(21111004)
502321.98	3633625.90	12.29680	(21111004)	502371.98	3633625.90	13.07167	(21111004)
502421.98	3633625.90	13.69868	(21111004)	502471.98	3633625.90	14.09313	(21111004)
502521.98	3633625.90	14.27820	(21111004)	502571.98	3633625.90	14.16810	(21111004)
502621.98	3633625.90	13.76161	(21111004)	502671.98	3633625.90	13.04777	(21111004)
504771.98	3633625.90	29.13126	(20081803)	504821.98	3633625.90	31.11900	(20081803)
504871.98	3633625.90	30.16545	(20111118)	504921.98	3633625.90	29.78049	(20111118)
504971.98	3633625.90	29.97529	(21011418)	505021.98	3633625.90	30.18994	(21011418)
505071.98	3633625.90	26.93144	(21011418)	505121.98	3633625.90	23.69895	(21011418)
505171.98	3633625.90	22.23170	(21011022)	505221.98	3633625.90	22.01041	(21122302)
502221.98	3633675.90	9.43309	(21111004)	502271.98	3633675.90	10.48194	(21111004)
502321.98	3633675.90	11.57317	(21111004)	502371.98	3633675.90	12.61220	(21111004)
502421.98	3633675.90	13.59106	(21111004)	502471.98	3633675.90	14.40511	(21111004)
502521.98	3633675.90	15.02974	(21111004)	502571.98	3633675.90	15.39055	(21111004)

```
        502621.98   3633675.90       15.44679  (21111004)                502671.98
3633675.90       15.16203  (21111004)
        504771.98   3633675.90       32.27408  (20081803)                504821.98
3633675.90       32.91630  (20111118)
        504871.98   3633675.90       32.59177  (20111118)                504921.98
3633675.90       32.95561  (21011418)
        504971.98   3633675.90       32.84764  (21011418)                505021.98
3633675.90       31.09211  (21011418)
        505071.98   3633675.90       26.19920  (21011418)                505121.98
3633675.90       23.04701  (21122302)
        505171.98   3633675.90       22.86658  (21122302)                505221.98
3633675.90       22.35450  (21011724)
        502221.98   3633725.90       10.51812  (21012320)                502271.98
3633725.90        9.66533  (21012320)
        502321.98   3633725.90       10.41414  (21111004)                502371.98
3633725.90       11.64696  (21111004)
        502421.98   3633725.90       12.87365  (21111004)                502471.98
3633725.90       14.03948  (21111004)
        502521.98   3633725.90       15.08589  (21111004)                502571.98
3633725.90       15.94250  (21111004)
        502621.98   3633725.90       16.53955  (21111004)                502671.98
3633725.90       16.80563  (21111004)
        504771.98   3633725.90       37.19191  (20111118)                504821.98
3633725.90       35.14102  (21011418)
        504871.98   3633725.90       35.98036  (21011418)                504921.98
3633725.90       34.93166  (21011418)
        504971.98   3633725.90       32.53862  (21011418)                505021.98
3633725.90       28.31953  (21011418)
        505071.98   3633725.90       23.97096  (21122302)                505121.98
3633725.90       23.61744  (21122302)
        505171.98   3633725.90       23.09250  (21011724)                505221.98
3633725.90       22.74980  (21010408)
        502221.98   3633775.90       13.36101  (21012320)                502271.98
3633775.90       12.64411  (21012320)
        502321.98   3633775.90       11.93634  (21012320)                502371.98
3633775.90       11.04878  (21012320)
        502421.98   3633775.90       11.62585  (21111004)                502471.98
3633775.90       13.01370  (21111004)
        502521.98   3633775.90       14.40046  (21111004)                502571.98
3633775.90       15.69817  (21111004)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 896
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
```

```
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3633775.90       16.81985  (21111004)                502671.98
3633775.90       17.69233  (21111004)
        504771.98   3633775.90       41.09877  (21011418)                504821.98
3633775.90       40.18937  (21011418)
        504871.98   3633775.90       37.46527  (21011418)                504921.98
3633775.90       32.94603  (21011418)
        504971.98   3633775.90       28.67818  (21011418)                505021.98
3633775.90       26.12941  (21091121)
        505071.98   3633775.90       24.36435  (21011724)                505121.98
3633775.90       23.95178  (21021921)
        505171.98   3633775.90       23.57971  (21011720)                505221.98
3633775.90       22.98777  (21011720)
        502221.98   3633825.90       16.03500  (21012320)                502271.98
3633825.90       15.59799  (21012320)
        502321.98   3633825.90       15.12827  (21012320)                502371.98
3633825.90       14.47032  (21012320)
        502421.98   3633825.90       13.64100  (21012320)                502471.98
3633825.90       12.66108  (21012320)
        502521.98   3633825.90       13.02912  (21111004)                502571.98
3633825.90       14.64256  (21111004)
        502621.98   3633825.90       16.21355  (21111004)                502671.98
3633825.90       17.64352  (21111004)
        504771.98   3633825.90       43.64661  (21011418)                504821.98
3633825.90       40.28332  (21011418)
        504871.98   3633825.90       32.90688  (21011418)                504921.98
3633825.90       27.97954  (21091121)
        504971.98   3633825.90       26.29238  (21091121)                505021.98
3633825.90       25.60798  (20080422)
        505071.98   3633825.90       24.84389  (21011720)                505121.98
3633825.90       24.35432  (21011720)
        505171.98   3633825.90       23.72022  (21011221)                505221.98
```

```
3633825.90       23.33156  (20121406)
        502221.98   3633875.90       18.01094  (21012320)                502271.98
3633875.90       18.02459  (21012320)
        502321.98   3633875.90       18.00612  (21012320)                502371.98
3633875.90       17.69471  (21012320)
        502421.98   3633875.90       17.23636  (21012320)                502471.98
3633875.90       16.52967  (21012320)
        502521.98   3633875.90       15.68605  (21012320)                502571.98
3633875.90       14.65153  (21012320)
        502621.98   3633875.90       14.73904  (21111004)                502671.98
3633875.90       16.58454  (21111004)
        504771.98   3633875.90       42.42322  (21011418)                504821.98
3633875.90       35.11388  (21011418)
        504871.98   3633875.90       29.53965  (21091121)                504921.98
3633875.90       27.16902  (20080422)
        504971.98   3633875.90       26.46981  (20080422)                505021.98
3633875.90       25.81611  (21011720)
        505071.98   3633875.90       25.10978  (20072623)                505121.98
3633875.90       24.63741  (20121406)
        505171.98   3633875.90       24.22774  (20081804)                505221.98
3633875.90       25.76690  (20081804)
        502221.98   3633925.90       18.98985  (21012320)                502271.98
3633925.90       19.53000  (21012320)
        502321.98   3633925.90       19.99031  (21012320)                502371.98
3633925.90       20.19108  (21012320)
        502421.98   3633925.90       20.31210  (21012320)                502471.98
3633925.90       20.12327  (21012320)
        502521.98   3633925.90       19.74218  (21012320)                502571.98
3633925.90       19.11027  (21012320)
        502621.98   3633925.90       18.22146  (21012320)                502671.98
3633925.90       17.06152  (21012320)
        504771.98   3633925.90       37.86686  (21091121)                504821.98
3633925.90       33.21068  (21091121)
        504871.98   3633925.90       30.10192  (20072623)                504921.98
3633925.90       27.86847  (20072623)
        504971.98   3633925.90       26.67348  (21011221)                505021.98
3633925.90       26.10897  (20121406)
        505071.98   3633925.90       25.85461  (20081804)                505121.98
3633925.90       26.50639  (20081804)
        505171.98   3633925.90       27.45044  (20081804)                505221.98
3633925.90       27.80098  (20081804)
        502221.98   3633975.90       18.75808  (21012320)                502271.98
3633975.90       19.67953  (21012320)
        502321.98   3633975.90       20.64024  (21012320)                502371.98
3633975.90       21.51377  (21012320)
        502421.98   3633975.90       22.21697  (21012320)                502471.98
3633975.90       22.70792  (21012320)
        502521.98   3633975.90       23.00412  (21012320)                502571.98
3633975.90       23.01893  (21012320)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

504771.98 3634025.90 36.74179 (20081804) 504821.98
3634025.90 37.65746 (20081804)
504871.98 3634025.90 35.58031 (20081804) 504921.98
3634025.90 32.60457 (20081804)
504971.98 3634025.90 28.42600 (20081804) 505021.98
3634025.90 27.44388 (19121305)
505071.98 3634025.90 27.05865 (19121305) 505121.98
3634025.90 26.61620 (20082223)
505171.98 3634025.90 26.56328 (20082223) 505221.98
3634025.90 25.89000 (20081222)
502221.98 3634075.90 14.77685 (21012320) 502271.98
3634075.90 16.19708 (21012320)
502321.98 3634075.90 17.73756 (21012320) 502371.98
3634075.90 19.33704 (21012320)
502421.98 3634075.90 20.96302 (21012320) 502471.98
3634075.90 22.63400 (21012320)
502521.98 3634075.90 24.31325 (21012320) 502571.98
3634075.90 25.96453 (21012320)
502621.98 3634075.90 27.41967 (21012320) 502671.98
3634075.90 28.72856 (21012320)
504771.98 3634075.90 40.16393 (20081804) 504821.98
3634075.90 38.91604 (20081804)
504871.98 3634075.90 34.32586 (20081804) 504921.98
3634075.90 30.74244 (20081804)
504971.98 3634075.90 28.97489 (19121305) 505021.98
3634075.90 27.99533 (19121305)
505071.98 3634075.90 26.75851 (20082223) 505121.98
3634075.90 25.95992 (19011923)
505171.98 3634075.90 25.73700 (20092021) 505221.98
3634075.90 25.64850 (20092021)
502221.98 3634125.90 14.31505 (19083104) 502271.98
3634125.90 14.51353 (19083104)
502321.98 3634125.90 14.65466 (21012320) 502371.98
3634125.90 16.34225 (21012320)
502421.98 3634125.90 18.11836 (21012320) 502471.98
3634125.90 20.00986 (21012320)
502521.98 3634125.90 21.99195 (21012320) 502571.98
3634125.90 24.05099 (21012320)
502621.98 3634125.90 26.27556 (21012320) 502671.98
3634125.90 28.45236 (21012320)
504771.98 3634125.90 36.97423 (20081804) 504821.98
3634125.90 34.86892 (20081804)
504871.98 3634125.90 31.38228 (19121305) 504921.98
3634125.90 29.84093 (19121305)
504971.98 3634125.90 28.58828 (19011923) 505021.98
3634125.90 27.76294 (19011923)
505071.98 3634125.90 26.81449 (19012803) 505121.98
3634125.90 26.16349 (21121821)
505171.98 3634125.90 25.67527 (20121224) 505221.98
3634125.90 25.53914 (21020219)

```
        502221.98   3634175.90       15.85688  (19083104)                502271.98
3634175.90       16.31747  (19083104)
        502321.98   3634175.90       16.73052  (19083104)                502371.98
3634175.90       17.27471  (19083104)
        502421.98   3634175.90       17.64795  (19083104)                502471.98
3634175.90       17.98388  (19083104)
        502521.98   3634175.90       18.26529  (19083104)                502571.98
3634175.90       20.45207  (21012320)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 898
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                 INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3634175.90       22.82376  (21012320)                502671.98
3634175.90       25.41020  (21012320)
        504771.98   3634175.90       34.21027  (19121305)                504821.98
3634175.90       32.03501  (20082223)
        504871.98   3634175.90       31.15340  (19011923)                504921.98
3634175.90       29.89227  (19012803)
        504971.98   3634175.90       28.93620  (21121821)                505021.98
3634175.90       27.94428  (20121224)
        505071.98   3634175.90       27.19812  (20121224)                505121.98
3634175.90       26.36924  (20020703)
        505171.98   3634175.90       26.03076  (21121518)                505221.98
3634175.90       26.71259  (21121518)
        502221.98   3634225.90       16.45855  (19083104)                502271.98
```

3634225.90 17.12115 (19083104)
502321.98 3634225.90 17.89334 (19083104) 502371.98
3634225.90 18.68721 (19083104)
502421.98 3634225.90 19.41132 (19083104) 502471.98
3634225.90 20.11865 (19083104)
502521.98 3634225.90 20.79573 (19083104) 502571.98
3634225.90 21.48991 (19083104)
502621.98 3634225.90 22.14946 (19083104) 502671.98
3634225.90 22.79863 (19083104)
504771.98 3634225.90 33.96581 (19012803) 504821.98
3634225.90 32.68098 (21121821)
504871.98 3634225.90 31.42563 (21121821) 504921.98
3634225.90 30.41386 (20121224)
504971.98 3634225.90 29.19925 (20020703) 505021.98
3634225.90 27.96254 (20020703)
505071.98 3634225.90 26.77486 (21122121) 505121.98
3634225.90 26.51581 (21122121)
505171.98 3634225.90 26.09642 (21122121) 505221.98
3634225.90 27.59060 (20080321)
502221.98 3634275.90 15.90787 (19083104) 502271.98
3634275.90 16.72787 (19083104)
502321.98 3634275.90 17.64798 (19083104) 502371.98
3634275.90 18.67630 (19083104)
502421.98 3634275.90 19.64893 (19083104) 502471.98
3634275.90 20.64975 (19083104)
502521.98 3634275.90 21.69423 (19083104) 502571.98
3634275.90 22.76707 (19083104)
502621.98 3634275.90 23.89539 (19083104) 502671.98
3634275.90 25.04993 (19083104)
504771.98 3634275.90 34.67535 (20121224) 504821.98
3634275.90 33.23678 (20020703)
504871.98 3634275.90 31.24986 (20020703) 504921.98
3634275.90 29.92769 (21122121)
504971.98 3634275.90 29.53317 (21122121) 505021.98
3634275.90 28.85673 (21122121)
505071.98 3634275.90 27.85713 (21122121) 505121.98
3634275.90 27.26151 (20121803)
505171.98 3634275.90 26.42219 (20121803) 505221.98
3634275.90 27.17771 (20080321)
502221.98 3634325.90 14.31638 (19083104) 502271.98
3634325.90 15.19859 (19083104)
502321.98 3634325.90 16.13242 (19083104) 502371.98
3634325.90 17.13499 (19083104)
502421.98 3634325.90 18.20256 (19083104) 502471.98
3634325.90 19.33188 (19083104)
502521.98 3634325.90 20.54956 (19083104) 502571.98
3634325.90 21.84507 (19083104)
502621.98 3634325.90 23.22420 (19083104) 502671.98
3634325.90 24.71624 (19083104)
504771.98 3634325.90 34.98712 (21122121) 504821.98

```
3634325.90       34.07446  (21122121)
        504871.98   3634325.90       32.56031  (20121803)                504921.98
3634325.90       31.53831  (20121803)
        504971.98   3634325.90       30.13269  (20121803)                505021.98
3634325.90       29.02323  (21122201)
        505071.98   3634325.90       27.86596  (21122201)                505121.98
3634325.90       27.95381  (19031020)
        505171.98   3634325.90       26.44423  (19031020)                505221.98
3634325.90       26.76321  (19031020)
        502221.98   3634375.90       12.79796  (20022619)                502271.98
3634375.90       13.33147  (20022619)
        502321.98   3634375.90       13.82260  (20022619)                502371.98
3634375.90       14.55088  (19083104)
        502421.98   3634375.90       15.61378  (19083104)                502471.98
3634375.90       16.76910  (19083104)
        502521.98   3634375.90       18.04371  (19083104)                502571.98
3634375.90       19.37755  (19083104)
```



```
                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                 INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3634375.90       20.75991  (19083104)                502671.98
3634375.90       22.19906  (19083104)
        504771.98   3634375.90       36.04217  (21122201)                504821.98
3634375.90       33.98200  (21122201)
```

504871.98 3634375.90 32.33488 (19021906) 504921.98 3634375.90 32.11068 (20082805)
504971.98 3634375.90 31.28530 (20082805) 505021.98 3634375.90 29.09825 (20013123)
505071.98 3634375.90 28.33307 (20013123) 505121.98 3634375.90 29.39017 (20092120)
505171.98 3634375.90 28.19533 (20092120) 505221.98 3634375.90 27.47149 (20092120)
502221.98 3634425.90 15.67795 (21021102) 502271.98 3634425.90 16.38095 (21021102)
502321.98 3634425.90 17.11690 (21021102) 502371.98 3634425.90 17.90850 (21021102)
502421.98 3634425.90 18.77086 (21021102) 502471.98 3634425.90 19.68134 (21021102)
502521.98 3634425.90 20.69207 (21021102) 502571.98 3634425.90 21.77543 (21021102)
502621.98 3634425.90 22.95942 (21021102) 502671.98 3634425.90 24.24086 (21021102)
504771.98 3634425.90 36.45694 (20013123) 504821.98 3634425.90 34.55749 (20013123)
504871.98 3634425.90 36.82542 (20082306) 504921.98 3634425.90 38.54432 (20082306)
504971.98 3634425.90 35.05066 (20082306) 505021.98 3634425.90 33.45171 (20082306)
505071.98 3634425.90 33.78075 (20082306) 505121.98 3634425.90 33.48366 (20082306)
505171.98 3634425.90 31.70377 (20082306) 505221.98 3634425.90 30.17087 (20082306)
502221.98 3634475.90 18.72229 (21021102) 502271.98 3634475.90 19.56929 (21021102)
502321.98 3634475.90 20.47008 (21021102) 502371.98 3634475.90 21.43626 (21021102)
502421.98 3634475.90 22.47281 (21021102) 502471.98 3634475.90 23.57908 (21021102)
502521.98 3634475.90 24.79714 (21021102) 502571.98 3634475.90 26.09875 (21021102)
502621.98 3634475.90 27.50466 (21021102) 502671.98 3634475.90 29.03186 (21021102)
504771.98 3634475.90 35.14074 (19122101) 504821.98 3634475.90 34.98839 (20082306)
504871.98 3634475.90 39.14451 (20082306) 504921.98 3634475.90 44.53996 (20082306)
504971.98 3634475.90 41.93000 (20082306) 505021.98 3634475.90 40.33591 (20082306)
505071.98 3634475.90 39.62337 (20082306) 505121.98 3634475.90 37.79945 (20082306)
505171.98 3634475.90 35.60022 (20082306) 505221.98 3634475.90 33.66965 (20082306)
502221.98 3634525.90 20.47251 (21021102) 502271.98 3634525.90 21.34453 (21021102)

```
        502321.98   3634525.90       22.27816  (21021102)                502371.98
3634525.90       23.27914  (21021102)
        502421.98   3634525.90       24.33983  (21021102)                502471.98
3634525.90       25.47952  (21021102)
        502521.98   3634525.90       26.69526  (21021102)                502571.98
3634525.90       28.01358  (21021102)
        502621.98   3634525.90       29.42607  (21021102)                502671.98
3634525.90       30.98229  (21021102)
        504771.98   3634525.90       38.81674  (20082306)                504821.98
3634525.90       36.67647  (20082306)
        504871.98   3634525.90       39.74900  (20082306)                504921.98
3634525.90       45.26068  (20082306)
        504971.98   3634525.90       45.63669  (20082306)                505021.98
3634525.90       42.85125  (20082306)
        505071.98   3634525.90       40.44186  (20082306)                505121.98
3634525.90       37.34864  (20082306)
        505171.98   3634525.90       34.41593  (20082306)                505221.98
3634525.90       31.88430  (20082306)
        502221.98   3634575.90       20.53203  (21021102)                502271.98
3634575.90       21.27533  (21021102)
        502321.98   3634575.90       22.08867  (21021102)                502371.98
3634575.90       22.95869  (21021102)
        502421.98   3634575.90       23.88215  (21021102)                502471.98
3634575.90       24.86363  (21021102)
        502521.98   3634575.90       25.89651  (21021102)                502571.98
3634575.90       27.00011  (21021102)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 900
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634575.90	28.17884	(21021102)	502671.98	3634575.90	29.45958	(21021102)
504771.98	3634575.90	50.11085	(20041201)	504821.98	3634575.90	47.36866	(20041201)
504871.98	3634575.90	50.17225	(20041201)	504921.98	3634575.90	51.74403	(20041201)
504971.98	3634575.90	49.73165	(20041201)	505021.98	3634575.90	46.91407	(20041201)
505071.98	3634575.90	44.17360	(20041201)	505121.98	3634575.90	41.39551	(20041201)
505171.98	3634575.90	36.20717	(20041201)	505221.98	3634575.90	33.43697	(20041201)
502221.98	3634625.90	18.84117	(21021102)	502271.98	3634625.90	19.40564	(21021102)
502321.98	3634625.90	19.95616	(21021102)	502371.98	3634625.90	20.57025	(21021102)
502421.98	3634625.90	21.21017	(21021102)	502471.98	3634625.90	21.88283	(21021102)
502521.98	3634625.90	22.60825	(21021102)	502571.98	3634625.90	23.33480	(21021102)
502621.98	3634625.90	24.09912	(21021102)	502671.98	3634625.90	24.89245	(21021102)
504771.98	3634625.90	57.21438	(20041201)	504821.98	3634625.90	54.24421	(20041201)
504871.98	3634625.90	52.52153	(20041201)	504921.98	3634625.90	51.33160	(20041201)
504971.98	3634625.90	50.40291	(20041201)	505021.98	3634625.90	48.02471	(20041201)
505071.98	3634625.90	44.95091	(20041201)	505121.98	3634625.90	42.56410	(20041201)
505171.98	3634625.90	36.55402	(20041201)	505221.98	3634625.90	33.79158	(20041201)
502221.98	3634675.90	15.81889	(21021102)	502271.98	3634675.90	16.14908	(21021102)
502321.98	3634675.90	16.46625	(21021102)	502371.98	3634675.90	16.77234	(21021102)
502421.98	3634675.90	17.92152	(19050903)	502471.98	3634675.90	19.39673	(19050903)
502521.98	3634675.90	20.96964	(19050903)	502571.98	3634675.90	22.64844	(19050903)
502621.98	3634675.90	24.41923	(19050903)	502671.98	3634675.90	26.26137	(19050903)
504771.98	3634675.90	55.05337	(21012820)	504821.98	3634675.90	52.21132	(21012820)
504871.98	3634675.90	50.50980	(20081806)	504921.98			

3634675.90   48.56915 (20081806)
        504971.98   3634675.90   47.12880 (20081806)   505021.98
3634675.90   44.84365 (20081806)
        505071.98   3634675.90   40.46972 (20081806)   505121.98
3634675.90   38.00601 (20041201)
        505171.98   3634675.90   34.17596 (20041201)   505221.98
3634675.90   31.59461 (20041201)
        502221.98   3634725.90   15.65775 (19050903)   502271.98
3634725.90   16.79050 (19050903)
        502321.98   3634725.90   17.95129 (19050903)   502371.98
3634725.90   19.18847 (19050903)
        502421.98   3634725.90   20.50546 (19050903)   502471.98
3634725.90   21.84874 (19050903)
        502521.98   3634725.90   23.21314 (19050903)   502571.98
3634725.90   24.62439 (19050903)
        502621.98   3634725.90   26.03294 (19050903)   502671.98
3634725.90   27.44583 (19050903)
        504771.98   3634725.90   54.06759 (21012820)   504821.98
3634725.90   58.52607 (21012820)
        504871.98   3634725.90   56.21839 (21012820)   504921.98
3634725.90   48.18043 (20081806)
        504971.98   3634725.90   48.35358 (20081806)   505021.98
3634725.90   45.33204 (20081806)
        505071.98   3634725.90   42.02655 (20081806)   505121.98
3634725.90   39.41397 (20081806)
        505171.98   3634725.90   34.51152 (20081806)   505221.98
3634725.90   32.36805 (20081806)
        502221.98   3634775.90   17.53836 (19050903)   502271.98
3634775.90   18.53886 (19050903)
        502321.98   3634775.90   19.49906 (19050903)   502371.98
3634775.90   20.49433 (19050903)
        502421.98   3634775.90   21.48941 (19050903)   502471.98
3634775.90   22.48169 (19050903)
        502521.98   3634775.90   23.47859 (19050903)   502571.98
3634775.90   24.37286 (19050903)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
                   L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
                   L0000951   , L0000952   , L0000953   , L0000954   , L0000955

, L0000956   , L0000957   , L0000958   ,
                L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3634775.90   25.20292 (19050903)   502671.98
3634775.90   25.94689 (19050903)
        504771.98   3634775.90   46.40503 (20082303)   504821.98
3634775.90   54.20139 (20081401)
        504871.98   3634775.90   55.63661 (20081401)   504921.98
3634775.90   45.16953 (19022319)
        504971.98   3634775.90   41.89338 (19022319)   505021.98
3634775.90   38.64944 (20081806)
        505071.98   3634775.90   38.03277 (20081806)   505121.98
3634775.90   37.02061 (20081806)
        505171.98   3634775.90   32.82603 (20081806)   505221.98
3634775.90   30.86391 (20081806)
        502221.98   3634825.90   18.20749 (19050903)   502271.98
3634825.90   18.92466 (19050903)
        502321.98   3634825.90   19.59575 (19050903)   502371.98
3634825.90   20.22512 (19050903)
        502421.98   3634825.90   20.77716 (19050903)   502471.98
3634825.90   21.24302 (19050903)
        502521.98   3634825.90   21.70116 (19050903)   502571.98
3634825.90   22.00582 (19050903)
        502621.98   3634825.90   22.17826 (19050903)   502671.98
3634825.90   22.20592 (19050903)
        504771.98   3634825.90   36.11392 (20082303)   504821.98
3634825.90   55.47725 (20081401)
        504871.98   3634825.90   48.36850 (20081401)   504921.98
3634825.90   42.81411 (19022319)
        504971.98   3634825.90   36.32718 (19022319)   505021.98
3634825.90   30.94447 (19022319)
        505071.98   3634825.90   30.70591 (19022319)   505121.98
3634825.90   30.02000 (19022319)
        505171.98   3634825.90   26.74659 (19022319)   505221.98
3634825.90   25.83923 (20081806)
        502221.98   3634875.90   17.55366 (19050903)   502271.98
3634875.90   17.90020 (19050903)
        502321.98   3634875.90   18.17813 (19050903)   502371.98
3634875.90   18.37887 (19050903)

```
        502421.98   3634875.90       18.48244  (19050903)                502471.98
3634875.90       18.47926  (19050903)
        502521.98   3634875.90       18.35980  (19050903)                502571.98
3634875.90       18.11481  (19050903)
        502621.98   3634875.90       17.73444  (19050903)                502671.98
3634875.90       19.86485  (20021724)
        504771.98   3634875.90       27.76361  (20082303)                504821.98
3634875.90       43.63496  (20082303)
        504871.98   3634875.90       43.23695  (19042006)                504921.98
3634875.90       41.63533  (19030607)
        504971.98   3634875.90       36.07413  (20082024)                505021.98
3634875.90       29.37287  (20082024)
        505071.98   3634875.90       26.79359  (20082303)                505121.98
3634875.90       26.87565  (20082303)
        505171.98   3634875.90       25.43688  (19022319)                505221.98
3634875.90       25.16316  (19022319)
        502221.98   3634925.90       15.73316  (19050903)                502271.98
3634925.90       15.72083  (19050903)
        502321.98   3634925.90       15.62218  (19050903)                502371.98
3634925.90       15.42925  (19050903)
        502421.98   3634925.90       15.13795  (19050903)                502471.98
3634925.90       14.73865  (19050903)
        502521.98   3634925.90       16.04531  (20021724)                502571.98
3634925.90       18.35594  (20021724)
        502621.98   3634925.90       20.77895  (20021724)                502671.98
3634925.90       23.26424  (20021724)
        504771.98   3634925.90       17.66760  (20082303)                504821.98
3634925.90       34.66249  (19022007)
        504871.98   3634925.90       43.07175  (19022007)                504921.98
3634925.90       40.69450  (20121617)
        504971.98   3634925.90       38.61937  (20082024)                505021.98
3634925.90       32.25511  (20082024)
        505071.98   3634925.90       27.73996  (20082024)                505121.98
3634925.90       26.57267  (20082024)
        505171.98   3634925.90       24.53415  (20082303)                505221.98
3634925.90       24.58070  (20082303)
        502221.98   3634975.90       13.14027  (19050903)                502271.98
3634975.90       12.84066  (19050903)
        502321.98   3634975.90       12.45739  (19050903)                502371.98
3634975.90       13.17425  (20021724)
        502421.98   3634975.90       15.04580  (20021724)                502471.98
3634975.90       17.03043  (20021724)
        502521.98   3634975.90       19.10084  (20021724)                502571.98
3634975.90       21.17946  (20021724)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634975.90	23.20389	(20021724)	502671.98	3634975.90	26.65466	(21011719)
504821.98	3634975.90	33.63522	(20011806)	504871.98	3634975.90	43.23564	(20010802)
504921.98	3634975.90	40.48363	(20082106)	504971.98	3634975.90	36.71322	(20082106)
505021.98	3634975.90	33.26554	(20082024)	505071.98	3634975.90	30.08220	(20082024)
505121.98	3634975.90	30.85394	(20082024)	505171.98	3634975.90	29.38528	(20082024)
505221.98	3634975.90	27.31126	(20082024)	502221.98	3635025.90	11.25552	(19022707)
502271.98	3635025.90	12.50116	(20021724)	502321.98	3635025.90	14.14126	(20021724)
502371.98	3635025.90	15.86396	(20021724)	502421.98	3635025.90	17.63821	(20021724)
502471.98	3635025.90	19.40596	(20021724)	502521.98	3635025.90	21.10905	(20021724)
502571.98	3635025.90	24.15360	(21011719)	502621.98	3635025.90	27.03273	(21011719)
502671.98	3635025.90	29.46199	(21011719)	504871.98	3635025.90	39.15374	(20010802)
504921.98	3635025.90	41.34335	(20082106)	504971.98	3635025.90	42.00496	(20082106)
505021.98	3635025.90	35.78749	(20082106)	505071.98	3635025.90	31.17088	(20082106)
505121.98	3635025.90	32.05856	(20082024)	505171.98			

3635025.90 31.93212 (20082024)
505221.98 3635025.90 30.58576 (20082024) 502221.98
3635075.90 13.31188 (20021724)
502271.98 3635075.90 14.81811 (20021724) 502321.98
3635075.90 16.34610 (20021724)
502371.98 3635075.90 17.86036 (20021724) 502421.98
3635075.90 19.30122 (20021724)
502471.98 3635075.90 22.02226 (21011719) 502521.98
3635075.90 24.63925 (21011719)
502571.98 3635075.90 26.87256 (21011719) 502621.98
3635075.90 28.58982 (21011719)
502671.98 3635075.90 29.68990 (21011719) 504921.98
3635075.90 40.36449 (20092620)
504971.98 3635075.90 42.80644 (20092620) 505021.98
3635075.90 39.90515 (20082106)
505071.98 3635075.90 38.02509 (20082106) 505121.98
3635075.90 36.16747 (20082106)
505171.98 3635075.90 33.46418 (20041904) 505221.98
3635075.90 31.43524 (20121617)
502221.98 3635125.90 15.19857 (20021724) 502271.98
3635125.90 16.50885 (20021724)
502321.98 3635125.90 17.73734 (20021724) 502371.98
3635125.90 20.18865 (21011719)
502421.98 3635125.90 22.56619 (21011719) 502471.98
3635125.90 24.61249 (21011719)
502521.98 3635125.90 26.20236 (21011719) 502571.98
3635125.90 27.22469 (21011719)
502621.98 3635125.90 27.58886 (21011719) 502671.98
3635125.90 27.21680 (21011719)
505021.98 3635125.90 42.59846 (20092620) 505071.98
3635125.90 39.66910 (20092620)
505121.98 3635125.90 36.09716 (20082106) 505171.98
3635125.90 31.89202 (20082106)
505221.98 3635125.90 34.00970 (20082106) 502221.98
3635175.90 16.36563 (20021724)
502271.98 3635175.90 18.59829 (21011719) 502321.98
3635175.90 20.75946 (21011719)
502371.98 3635175.90 22.63781 (21011719) 502421.98
3635175.90 24.10853 (21011719)
502471.98 3635175.90 25.06514 (21011719) 502521.98
3635175.90 25.42379 (21011719)
502571.98 3635175.90 25.12274 (21011719) 502621.98
3635175.90 24.28977 (20022207)
502671.98 3635175.90 27.37081 (20022207) 505121.98
3635175.90 29.91572 (21122806)
505171.98 3635175.90 30.43509 (21122806) 505221.98
3635175.90 30.86792 (20010802)
502221.98 3635225.90 19.17171 (21011719) 502271.98
3635225.90 20.90273 (21011719)
502321.98 3635225.90 22.27055 (21011719) 502371.98

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502521.98   3635225.90   22.43965 (21011719)   502571.98
3635225.90   23.98341 (20022207)
        502621.98   3635225.90   26.54495 (20022207)   502671.98
3635225.90   28.53090 (20022207)
        502221.98   3635275.90   25.20352 (21011719)   502271.98
3635275.90   21.50034 (21011719)
        502321.98   3635275.90   24.40787 (21011719)   502371.98
3635275.90   25.67045 (21011719)
        502421.98   3635275.90   24.97864 (21011719)   502471.98
3635275.90   23.72418 (21011719)
        502521.98   3635275.90   25.23458 (21011719)   502571.98
3635275.90   25.84582 (20022207)
        502621.98   3635275.90   27.06374 (20022207)   502671.98
3635275.90   27.75058 (20022207)
        502221.98   3635325.90   33.58465 (21011719)   502271.98
3635325.90   23.10114 (21011719)
        502321.98   3635325.90   27.00432 (21011719)   502371.98
3635325.90   27.14827 (21011719)

```
        502421.98   3635325.90       26.37743  (19013101)              502471.98
3635325.90       28.53297  (19013101)
        502521.98   3635325.90       28.65175  (20022207)              502571.98
3635325.90       27.48555  (20022207)
        502621.98   3635325.90       27.35403  (20022207)              502671.98
3635325.90       27.02853  (20022207)
        502221.98   3635375.90       30.82896  (21011719)              502271.98
3635375.90       24.54225  (21011719)
        502321.98   3635375.90       23.69056  (21011719)              502371.98
3635375.90       29.25136  (21052423)
        502421.98   3635375.90       30.29472  (21052423)              502471.98
3635375.90       31.06262  (19013101)
        502521.98   3635375.90       28.88997  (20022207)              502571.98
3635375.90       28.09191  (20022207)
        502621.98   3635375.90       28.42497  (21012023)              502671.98
3635375.90       29.53164  (21012023)
        502221.98   3635425.90       28.87963  (21052423)              502271.98
3635425.90       21.83524  (19013101)
        502321.98   3635425.90       26.00738  (19013101)              502371.98
3635425.90       28.11419  (19013101)
        502421.98   3635425.90       29.19164  (20022207)              502471.98
3635425.90       31.73008  (19012005)
        502521.98   3635425.90       31.34846  (20122320)              502571.98
3635425.90       31.70902  (21012023)
        502621.98   3635425.90       32.71526  (21012023)              502671.98
3635425.90       31.65168  (21012023)
        504771.98   3635425.90       24.39227  (21012617)              502221.98
3635475.90       28.48868  (21052423)
        502271.98   3635475.90       26.72257  (21052423)              502321.98
3635475.90       27.33463  (19013101)
        502371.98   3635475.90       28.58194  (19012005)              502421.98
3635475.90       30.50310  (19012005)
        502471.98   3635475.90       33.06829  (19083024)              502521.98
3635475.90       31.29146  (21012023)
        502571.98   3635475.90       31.74262  (21012023)              502621.98
3635475.90       30.94329  (21012023)
        502671.98   3635475.90       30.02622  (20122721)              504771.98
3635475.90       39.46331  (21122618)
        504821.98   3635475.90       32.72478  (21122618)              504871.98
3635475.90       31.09530  (21122618)
        504921.98   3635475.90       27.91499  (21012617)              502221.98
3635525.90       29.74455  (21031323)
        502271.98   3635525.90       27.03400  (19012005)              502321.98
3635525.90       28.72813  (19012005)
        502371.98   3635525.90       28.76232  (19012005)              502421.98
3635525.90       29.41417  (19083024)
        502471.98   3635525.90       31.05415  (21012023)              502521.98
3635525.90       30.98758  (21012023)
        502571.98   3635525.90       30.13810  (21012023)              502621.98
3635525.90       29.60218  (20122721)
```

```
        502671.98   3635525.90       32.37855  (20070801)                502721.98
3635525.90       33.65418  (20070801)
        502771.98   3635525.90       35.22042  (20070802)                502821.98
3635525.90       37.43062  (20070802)
        502871.98   3635525.90       36.85909  (20070802)                502921.98
3635525.90       39.46976  (19091321)
        502971.98   3635525.90       40.35885  (19091321)                503021.98
3635525.90       43.16205  (20042421)
        503071.98   3635525.90       40.66025  (20042421)                503121.98
3635525.90       29.17443  (19121706)
        503171.98   3635525.90       26.43137  (19121706)                503221.98
3635525.90       36.87750  (19073101)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 904
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503271.98   3635525.90       40.62535  (20091222)                503321.98
3635525.90       41.23547  (20033120)
        503371.98   3635525.90       43.79186  (20101023)                503421.98
3635525.90       45.85181  (20101023)
        503471.98   3635525.90       47.05766  (19031924)                503521.98
3635525.90       48.31769  (19031924)
        503571.98   3635525.90       44.12475  (20090823)                503621.98
3635525.90       40.51728  (21021806)
        503671.98   3635525.90       40.91649  (19101219)                503721.98
```

3635525.90 42.73597 (21012024)
503771.98 3635525.90 43.67156 (20071102) 503821.98
3635525.90 42.31519 (20071102)
503871.98 3635525.90 47.37116 (19122420) 503921.98
3635525.90 49.03121 (19122420)
503971.98 3635525.90 48.03740 (19122420) 504021.98
3635525.90 42.82186 (20092001)
504071.98 3635525.90 29.87620 (21013118) 504121.98
3635525.90 31.28062 (21013118)
504171.98 3635525.90 31.10536 (21013118) 504221.98
3635525.90 25.83337 (21013118)
504271.98 3635525.90 21.92979 (21013118) 504321.98
3635525.90 16.25413 (21013118)
504371.98 3635525.90 11.21020 (21013118) 504421.98
3635525.90 13.23925 (20040223)
504471.98 3635525.90 15.86139 (20011620) 504521.98
3635525.90 18.90045 (20011620)
504571.98 3635525.90 23.71390 (20011620) 504621.98
3635525.90 26.91308 (20011620)
504671.98 3635525.90 27.88143 (20011620) 504721.98
3635525.90 36.60765 (21122618)
504771.98 3635525.90 38.74204 (21122618) 504821.98
3635525.90 38.83579 (21122618)
504871.98 3635525.90 35.99359 (21122618) 504921.98
3635525.90 28.24122 (21122618)
504971.98 3635525.90 26.79173 (21012617) 505021.98
3635525.90 31.21833 (19102623)
505071.98 3635525.90 33.08838 (19102623) 505121.98
3635525.90 32.49494 (19102623)
505171.98 3635525.90 29.82009 (19102623) 505221.98
3635525.90 25.53890 (19102623)
502221.98 3635575.90 30.88584 (19012005) 502271.98
3635575.90 29.22619 (19012005)
502321.98 3635575.90 28.28636 (19012005) 502371.98
3635575.90 28.81847 (20071201)
502421.98 3635575.90 29.98294 (21012023) 502471.98
3635575.90 30.01304 (21012023)
502521.98 3635575.90 28.49215 (21012023) 502571.98
3635575.90 28.26317 (20122721)
502621.98 3635575.90 30.74839 (20070801) 502671.98
3635575.90 32.43319 (20070801)
502721.98 3635575.90 34.09422 (20070802) 502771.98
3635575.90 36.21334 (20070802)
502821.98 3635575.90 36.29288 (20070802) 502871.98
3635575.90 38.21957 (19091321)
502921.98 3635575.90 39.73147 (19091321) 502971.98
3635575.90 42.44944 (20042421)
503021.98 3635575.90 43.25304 (20042421) 503071.98
3635575.90 38.84816 (20042421)
503121.98 3635575.90 26.82297 (19121706) 503171.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                  L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                  L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                  L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

504221.98 3635575.90 27.62943 (21013118) 504271.98
3635575.90 22.13173 (21013118)
504321.98 3635575.90 17.46395 (21013118) 504371.98
3635575.90 13.02963 (19022602)
504421.98 3635575.90 12.93642 (21121422) 504471.98
3635575.90 13.05126 (20040223)
504521.98 3635575.90 16.28034 (20011620) 504571.98
3635575.90 18.40836 (20011620)
504621.98 3635575.90 24.54396 (20011620) 504671.98
3635575.90 26.92910 (20011620)
504721.98 3635575.90 28.41802 (21122618) 504771.98
3635575.90 34.74240 (21122618)
504821.98 3635575.90 37.92926 (21122618) 504871.98
3635575.90 36.67879 (21122618)
504921.98 3635575.90 23.69354 (21012617) 504971.98
3635575.90 28.66661 (21122618)
505021.98 3635575.90 26.30632 (20091421) 505071.98
3635575.90 28.91658 (19102623)
505121.98 3635575.90 34.13508 (19102623) 505171.98
3635575.90 30.60033 (19102623)
505221.98 3635575.90 31.84651 (19102623) 502221.98
3635625.90 29.93649 (19012005)
502271.98 3635625.90 30.43633 (19083024) 502321.98
3635625.90 30.04782 (20071201)
502371.98 3635625.90 28.76468 (21012023) 502421.98
3635625.90 29.87032 (21012023)
502471.98 3635625.90 29.33245 (21072005) 502521.98
3635625.90 30.01084 (21110406)
502571.98 3635625.90 30.33793 (20070801) 502621.98
3635625.90 29.99508 (20070801)
502671.98 3635625.90 32.27894 (20070802) 502721.98
3635625.90 35.26935 (20070802)
502771.98 3635625.90 35.69933 (20070802) 502821.98
3635625.90 36.92655 (19091321)
502871.98 3635625.90 39.02002 (19091321) 502921.98
3635625.90 40.47304 (20042421)
502971.98 3635625.90 42.03875 (20042421) 503021.98
3635625.90 40.59659 (20042421)
503071.98 3635625.90 40.16812 (20110924) 503121.98
3635625.90 40.92573 (20110924)
503171.98 3635625.90 40.40079 (20091222) 503221.98
3635625.90 40.40969 (20091222)
503271.98 3635625.90 39.35252 (20033120) 503321.98
3635625.90 41.61962 (20033120)
503371.98 3635625.90 44.68098 (20101023) 503421.98
3635625.90 44.01561 (20101023)
503471.98 3635625.90 42.79759 (20120224) 503521.98
3635625.90 40.69555 (19072124)
503571.98 3635625.90 43.17905 (21081004) 503621.98
3635625.90 44.37661 (19101219)

```
        503671.98   3635625.90       44.90831  (19101219)                503721.98
3635625.90       44.24203  (20071102)
        503771.98   3635625.90       43.61275  (20071102)                503821.98
3635625.90       40.44930  (20071102)
        503871.98   3635625.90       42.52252  (19122420)                503921.98
3635625.90       45.76670  (19122420)
        503971.98   3635625.90       44.72061  (19122420)                504021.98
3635625.90       25.43937  (20092001)
        504071.98   3635625.90       23.92913  (21013118)                504121.98
3635625.90       28.37079  (21013118)
        504171.98   3635625.90       30.20475  (21013118)                504221.98
3635625.90       29.42072  (21013118)
        504271.98   3635625.90       25.00552  (21013118)                504321.98
3635625.90       18.41379  (21013118)
        504371.98   3635625.90       13.79633  (21013118)                504421.98
3635625.90       13.42656  (19022602)
        504471.98   3635625.90       12.16436  (21121422)                504521.98
3635625.90       13.31252  (20040223)
        504571.98   3635625.90       15.53967  (20011620)                504621.98
3635625.90       19.52223  (20011620)
        504671.98   3635625.90       21.59074  (20011620)                504721.98
3635625.90       25.68038  (20011620)
        504771.98   3635625.90       32.46305  (21090701)                504821.98
3635625.90       34.13987  (21122618)
        504871.98   3635625.90       35.42001  (21122618)                504921.98
3635625.90       25.10072  (21122618)
        504971.98   3635625.90       32.30926  (21122618)                505021.98
3635625.90       22.74900  (21012617)
        505071.98   3635625.90       22.14359  (21012617)                505121.98
3635625.90       26.86620  (19102623)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 906
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505171.98	3635625.90	28.37104	(19102623)	505221.98	3635625.90	28.43431	(19102623)
502221.98	3635675.90	29.66811	(20122320)	502271.98	3635675.90	29.27617	(21012023)
502321.98	3635675.90	29.66295	(21012023)	502371.98	3635675.90	28.67508	(21012023)
502421.98	3635675.90	27.79405	(21072005)	502471.98	3635675.90	29.20511	(20122721)
502521.98	3635675.90	30.42956	(20070801)	502571.98	3635675.90	30.46005	(20070801)
502621.98	3635675.90	30.85402	(20070802)	502671.98	3635675.90	33.53760	(20070802)
502721.98	3635675.90	34.40928	(20070802)	502771.98	3635675.90	35.26327	(21121424)
502821.98	3635675.90	36.49477	(19091321)	502871.98	3635675.90	36.83648	(20042421)
502921.98	3635675.90	37.08537	(20042421)	502971.98	3635675.90	38.06103	(19121706)
503021.98	3635675.90	36.83027	(19121706)	503071.98	3635675.90	33.99480	(20110924)
503121.98	3635675.90	34.02876	(21021621)	503171.98	3635675.90	35.63828	(21021621)
503221.98	3635675.90	34.45319	(19111601)	503271.98	3635675.90	34.83864	(19050823)
503321.98	3635675.90	36.11854	(19071201)	503371.98	3635675.90	38.87448	(20101023)
503421.98	3635675.90	41.19800	(20120224)	503471.98	3635675.90	41.07006	(20120224)
503521.98	3635675.90	39.33926	(19072124)	503571.98	3635675.90	40.03565	(21081004)
503621.98	3635675.90	42.52970	(19101219)	503671.98	3635675.90	43.54613	(19101219)
503721.98	3635675.90	42.96159	(20071102)	503771.98	3635675.90	42.72609	(20071102)
503821.98	3635675.90	40.23850	(20071102)	503871.98	3635675.90	42.04128	(19122420)
503921.98	3635675.90	46.01163	(19122420)	503971.98	3635675.90	44.41828	(19122420)
504021.98	3635675.90	36.79341	(20092001)	504071.98	3635675.90	27.47524	(21060422)
504121.98	3635675.90	26.79573	(21013118)	504171.98			

```
3635675.90       28.76316  (21013118)
        504221.98   3635675.90       28.58865  (21013118)                504271.98
3635675.90       25.66030  (21013118)
        504321.98   3635675.90       19.98695  (21013118)                504371.98
3635675.90       14.93001  (21013118)
        504421.98   3635675.90       10.68204  (21013118)                504471.98
3635675.90       13.53151  (21121422)
        504521.98   3635675.90       21.48128  (21121422)                504571.98
3635675.90       13.55742  (20011620)
        504621.98   3635675.90       19.67275  (20011620)                504671.98
3635675.90       20.11131  (20011620)
        504721.98   3635675.90       21.91191  (20011620)                504771.98
3635675.90       35.13976  (21090701)
        504821.98   3635675.90       31.63392  (21090701)                504871.98
3635675.90       32.13733  (21122618)
        504921.98   3635675.90       26.56632  (21122618)                504971.98
3635675.90       33.83211  (21122618)
        505021.98   3635675.90       30.16167  (21122618)                505071.98
3635675.90       21.78870  (21012617)
        505121.98   3635675.90       24.99038  (20091421)                505171.98
3635675.90       24.73781  (19102623)
        505221.98   3635675.90       26.39359  (19102623)                502221.98
3635725.90       29.93192  (21012023)
        502271.98   3635725.90       29.23054  (21012023)                502321.98
3635725.90       27.80382  (21012023)
        502371.98   3635725.90       26.38818  (21072005)                502421.98
3635725.90       28.53783  (20122721)
        502471.98   3635725.90       29.14362  (20070801)                502521.98
3635725.90       29.16663  (20070801)
        502571.98   3635725.90       29.63241  (20070802)                502621.98
3635725.90       32.11580  (20070802)
        502671.98   3635725.90       33.06831  (20070802)                502721.98
3635725.90       33.27078  (21121424)
        502771.98   3635725.90       34.72310  (19091321)                502821.98
3635725.90       34.65506  (19071423)
        502871.98   3635725.90       36.59708  (20042421)                502921.98
3635725.90       36.74508  (19121706)
        502971.98   3635725.90       36.19822  (19121706)                503021.98
3635725.90       32.94533  (19121706)
```

```
, L0000940    , L0000941    , L0000942    ,
                L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
        503071.98   3635725.90       32.43932  (21100523)                503121.98
3635725.90       34.69144  (21021621)
        503171.98   3635725.90       34.55450  (21021621)                503221.98
3635725.90       33.59175  (19050823)
        503271.98   3635725.90       35.32898  (19050823)                503321.98
3635725.90       35.69393  (21100603)
        503371.98   3635725.90       37.06843  (20120224)                503421.98
3635725.90       40.20793  (20120224)
        503471.98   3635725.90       39.44255  (20120224)                503521.98
3635725.90       37.70663  (19072124)
        503571.98   3635725.90       38.90272  (21081004)                503621.98
3635725.90       39.90394  (19101219)
        503671.98   3635725.90       41.93268  (19101219)                503721.98
3635725.90       41.00058  (20071102)
        503771.98   3635725.90       41.12612  (20071102)                503821.98
3635725.90       39.10128  (20071102)
        503871.98   3635725.90       40.37911  (19122420)                503921.98
3635725.90       44.69198  (19122420)
        503971.98   3635725.90       44.16870  (19122420)                504021.98
3635725.90       37.36226  (19122420)
        504071.98   3635725.90       36.66811  (20092001)                504121.98
3635725.90       28.81810  (21013118)
        504171.98   3635725.90       30.06545  (21013118)                504221.98
3635725.90       34.86106  (21013118)
        504271.98   3635725.90       36.24422  (20121721)                504321.98
3635725.90       21.64522  (21013118)
        504371.98   3635725.90       16.73221  (21013118)                504421.98
3635725.90       12.16433  (19022602)
        504471.98   3635725.90       21.40146  (21121422)                504521.98
3635725.90       29.00569  (21121422)
        504571.98   3635725.90       18.41527  (21121422)                504621.98
3635725.90       16.54986  (21121422)
```

```
        504671.98   3635725.90       20.74993  (20011620)                504721.98
3635725.90       20.26122  (20011620)
        504771.98   3635725.90       21.74805  (20011620)                504821.98
3635725.90       25.68546  (20011620)
        504871.98   3635725.90       24.11144  (21122618)                504921.98
3635725.90       25.87328  (21122618)
        504971.98   3635725.90       33.12783  (21122618)                505021.98
3635725.90       33.27752  (21122618)
        505071.98   3635725.90       28.68519  (21122618)                505121.98
3635725.90       26.76355  (21122618)
        505171.98   3635725.90       24.17707  (20091421)                505221.98
3635725.90       22.46488  (19102623)
        502221.98   3635775.90       29.13464  (21012023)                502271.98
3635775.90       26.95815  (21012023)
        502321.98   3635775.90       26.59667  (20122721)                502371.98
3635775.90       27.28971  (20122721)
        502421.98   3635775.90       28.02895  (20122721)                502471.98
3635775.90       27.85601  (20070801)
        502521.98   3635775.90       27.83621  (20070802)                502571.98
3635775.90       30.70569  (20070802)
        502621.98   3635775.90       31.64937  (20070802)                502671.98
3635775.90       32.25622  (21121424)
        502721.98   3635775.90       33.55679  (19091321)                502771.98
3635775.90       34.39937  (19091321)
        502821.98   3635775.90       35.27253  (20042421)                502871.98
3635775.90       35.28514  (20042421)
        502921.98   3635775.90       35.51278  (19121706)                502971.98
3635775.90       33.34367  (19121706)
        503021.98   3635775.90       32.15413  (21100523)                503071.98
3635775.90       32.65645  (21021621)
        503121.98   3635775.90       33.91185  (21021621)                503171.98
3635775.90       33.14884  (21112718)
        503221.98   3635775.90       34.85764  (19050823)                503271.98
3635775.90       34.61192  (19050823)
        503321.98   3635775.90       36.24892  (21100603)                503371.98
3635775.90       36.04850  (20120224)
        503421.98   3635775.90       38.57722  (20120224)                503471.98
3635775.90       37.44231  (19072124)
        503521.98   3635775.90       35.99531  (19072124)                503571.98
3635775.90       34.74266  (21021806)
        503621.98   3635775.90       35.11685  (19101219)                503671.98
3635775.90       39.05020  (19101219)
        503721.98   3635775.90       39.58155  (20071102)                503771.98
3635775.90       39.58567  (20071102)
        503821.98   3635775.90       37.71280  (20071102)                503871.98
3635775.90       38.33516  (19122420)
        503921.98   3635775.90       42.91697  (19122420)                503971.98
3635775.90       43.66123  (19122420)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
```

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
L0000951   , L0000952   , L0000953   , L0000954   , L0000955 , L0000956   , L0000957   , L0000958   ,
L0000959   , L0000960   , L0000961   , L0000962   , L0000963 , L0000964   , L0000965   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504021.98	3635775.90	39.04460	(19122420)	504071.98	3635775.90	40.86954	(20092001)
504121.98	3635775.90	37.03690	(21060422)	504171.98	3635775.90	36.30285	(21060422)
504221.98	3635775.90	35.03624	(21013118)	504271.98	3635775.90	36.52712	(20121721)
504321.98	3635775.90	35.75683	(20121721)	504371.98	3635775.90	25.67687	(20092821)
504421.98	3635775.90	20.48805	(19022602)	504471.98	3635775.90	28.33431	(19022602)
504521.98	3635775.90	31.00661	(19022602)	504571.98	3635775.90	23.10516	(21121422)
504621.98	3635775.90	26.84416	(21121422)	504671.98	3635775.90	18.42211	(21061321)
504721.98	3635775.90	19.06437	(20011620)	504771.98	3635775.90	21.36931	(20011620)
504821.98	3635775.90	22.42464	(20011620)	504871.98	3635775.90	22.83042	(20011620)
504921.98	3635775.90	23.40923	(21122618)	504971.98	3635775.90	30.81161	(21122618)
505021.98	3635775.90	32.91427	(21122618)	505071.98	3635775.90	30.31786	(21122618)
505121.98	3635775.90	29.14132	(21122618)	505171.98			

3635775.90 25.43043 (21122618)
505221.98 3635775.90 23.22153 (20091421) 502221.98
3635825.90 26.37816 (21012023)
502271.98 3635825.90 26.60174 (20122721) 502321.98
3635825.90 27.45139 (20122721)
502371.98 3635825.90 26.79618 (20070801) 502421.98
3635825.90 26.48003 (20070801)
502471.98 3635825.90 26.42524 (19031105) 502521.98
3635825.90 28.83379 (20070802)
502571.98 3635825.90 30.13886 (20070802) 502621.98
3635825.90 30.98926 (21121424)
502671.98 3635825.90 31.52302 (21121424) 502721.98
3635825.90 32.67733 (19091321)
502771.98 3635825.90 33.51504 (20042421) 502821.98
3635825.90 34.80765 (20042421)
502871.98 3635825.90 34.40181 (19121706) 502921.98
3635825.90 33.26068 (19121706)
502971.98 3635825.90 29.73213 (19121706) 503021.98
3635825.90 31.39662 (21100523)
503071.98 3635825.90 32.38821 (21021621) 503121.98
3635825.90 32.26055 (21021621)
503171.98 3635825.90 32.27481 (21112718) 503221.98
3635825.90 33.68148 (19050823)
503271.98 3635825.90 33.63461 (21100603) 503321.98
3635825.90 34.89904 (21100603)
503371.98 3635825.90 35.40182 (20120224) 503421.98
3635825.90 36.63075 (20120224)
503471.98 3635825.90 36.28342 (19072124) 503521.98
3635825.90 34.27842 (19051001)
503571.98 3635825.90 35.35616 (19051001) 503621.98
3635825.90 33.43650 (19080922)
503671.98 3635825.90 36.70395 (21041324) 503721.98
3635825.90 37.04940 (21041324)
503771.98 3635825.90 37.96873 (20071102) 503821.98
3635825.90 35.83901 (20071102)
503871.98 3635825.90 35.41144 (19122420) 503921.98
3635825.90 40.97851 (19122420)
503971.98 3635825.90 41.91320 (19122420) 504021.98
3635825.90 40.16850 (19122420)
504071.98 3635825.90 40.84787 (20092001) 504121.98
3635825.90 40.54339 (20092001)
504171.98 3635825.90 39.36836 (21060422) 504221.98
3635825.90 36.95495 (21060422)
504271.98 3635825.90 37.25895 (19012903) 504321.98
3635825.90 38.53059 (20121721)
504371.98 3635825.90 35.73803 (20121721) 504421.98
3635825.90 32.22827 (20092821)
504471.98 3635825.90 30.90272 (19022602) 504521.98
3635825.90 33.73332 (19022602)
504571.98 3635825.90 30.30944 (21121422) 504621.98

```
3635825.90       31.59250  (21121422)
        504671.98   3635825.90       22.69104  (21121422)                504721.98
3635825.90       15.83916  (20011620)
        504771.98   3635825.90       18.64731  (20011620)                504821.98
3635825.90       22.14158  (20011620)
        504871.98   3635825.90       25.91723  (21090701)                504921.98
3635825.90       24.17225  (21090701)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 909
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                 L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                 L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                 L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        504971.98   3635825.90       26.76169  (21090701)                505021.98
3635825.90       29.34569  (21122618)
        505071.98   3635825.90       31.16839  (21122618)                505121.98
3635825.90       30.16299  (21122618)
        505171.98   3635825.90       28.43815  (21122618)                505221.98
3635825.90       24.77228  (21122618)
        502221.98   3635875.90       27.49059  (20122721)                502271.98
3635875.90       27.23628  (20122721)
        502321.98   3635875.90       26.50944  (20122721)                502371.98
3635875.90       25.54698  (20070801)
        502421.98   3635875.90       25.67166  (19031105)                502471.98
3635875.90       27.44826  (20070802)
        502521.98   3635875.90       28.15561  (20070802)                502571.98
3635875.90       30.07958  (21121424)
```

```
        502621.98   3635875.90       31.07665  (21121424)               502671.98
3635875.90       30.25593  (19091321)
        502721.98   3635875.90       30.94851  (19071423)               502771.98
3635875.90       33.38675  (20042421)
        502821.98   3635875.90       32.99864  (19121706)               502871.98
3635875.90       32.96043  (19121706)
        502921.98   3635875.90       29.88105  (19121706)               502971.98
3635875.90       29.88903  (21100523)
        503021.98   3635875.90       30.52519  (21021621)               503071.98
3635875.90       31.44702  (21021621)
        503121.98   3635875.90       31.52499  (21112718)               503171.98
3635875.90       32.53791  (19050823)
        503221.98   3635875.90       33.37824  (19050823)               503271.98
3635875.90       33.66260  (21100603)
        503321.98   3635875.90       33.99394  (21100603)               503371.98
3635875.90       34.35158  (20120224)
        503421.98   3635875.90       34.94889  (20120224)               503471.98
3635875.90       34.56541  (19072124)
        503521.98   3635875.90       32.36301  (19051001)               503571.98
3635875.90       34.20032  (19051001)
        503621.98   3635875.90       32.30782  (19080922)               503671.98
3635875.90       35.72124  (21041324)
        503721.98   3635875.90       35.99430  (21041324)               503771.98
3635875.90       35.92275  (20071102)
        503821.98   3635875.90       33.63035  (20071102)               503871.98
3635875.90       32.98751  (19072224)
        503921.98   3635875.90       38.34478  (19122420)               503971.98
3635875.90       40.38586  (19122420)
        504021.98   3635875.90       40.08734  (19122420)               504071.98
3635875.90       38.42559  (20092001)
        504121.98   3635875.90       39.29315  (20092001)               504171.98
3635875.90       39.31802  (21060422)
        504221.98   3635875.90       38.40592  (21060422)               504271.98
3635875.90       36.04597  (21013118)
        504321.98   3635875.90       38.02828  (20121721)               504371.98
3635875.90       39.37718  (20121721)
        504421.98   3635875.90       37.28498  (20121721)               504471.98
3635875.90       33.69530  (20092821)
        504521.98   3635875.90       32.59131  (19022602)               504571.98
3635875.90       32.25460  (19022602)
        504621.98   3635875.90       31.44736  (21121422)               504671.98
3635875.90       30.62814  (21121422)
        504721.98   3635875.90       14.00357  (21121422)               504771.98
3635875.90       16.12914  (20011620)
        504821.98   3635875.90       19.83191  (21090701)               504871.98
3635875.90       22.81321  (21090701)
        504921.98   3635875.90       24.95402  (21090701)               504971.98
3635875.90       28.24293  (21090701)
        505021.98   3635875.90       25.59712  (21090701)               505071.98
3635875.90       27.75219  (21122618)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505121.98	3635875.90	29.71350	(21122618)	505171.98	3635875.90	29.44719	(21122618)
505221.98	3635875.90	27.70473	(21122618)	502221.98	3635925.90	28.12887	(20122721)
502271.98	3635925.90	26.54574	(20122721)	502321.98	3635925.90	25.17927	(19031105)
502371.98	3635925.90	24.59884	(19031105)	502421.98	3635925.90	25.96097	(20070802)
502471.98	3635925.90	27.11248	(20070802)	502521.98	3635925.90	29.30487	(21121424)
502571.98	3635925.90	30.28322	(21121424)	502621.98	3635925.90	29.49567	(21121424)
502671.98	3635925.90	28.54529	(19071423)	502721.98	3635925.90	30.75276	(20042421)
502771.98	3635925.90	31.95961	(20042421)	502821.98	3635925.90	32.29536	(19121706)
502871.98	3635925.90	30.54112	(19121706)	502921.98	3635925.90	28.88905	(21100523)
502971.98	3635925.90	29.09134	(21100523)	503021.98	3635925.90	30.39497	(21021621)
503071.98	3635925.90	29.94785	(21112718)	503121.98			

3635925.90 30.43150 (21112718)
503171.98 3635925.90 32.21012 (19050823) 503221.98
3635925.90 31.90756 (19050823)
503271.98 3635925.90 33.22106 (21100603) 503321.98
3635925.90 32.41175 (21100603)
503371.98 3635925.90 33.71248 (20120224) 503421.98
3635925.90 33.58461 (19072124)
503471.98 3635925.90 31.82727 (20052321) 503521.98
3635925.90 31.72105 (19051001)
503571.98 3635925.90 32.93645 (19051001) 503621.98
3635925.90 30.87327 (21041324)
503671.98 3635925.90 34.82489 (21041324) 503721.98
3635925.90 35.10073 (21041324)
503771.98 3635925.90 34.44585 (19072223) 503821.98
3635925.90 31.63462 (19072223)
503871.98 3635925.90 31.18459 (19072224) 503921.98
3635925.90 36.44623 (19122420)
503971.98 3635925.90 38.74598 (19122420) 504021.98
3635925.90 38.78165 (19122420)
504071.98 3635925.90 36.34585 (20092001) 504121.98
3635925.90 37.39638 (20092001)
504171.98 3635925.90 36.26531 (21060422) 504221.98
3635925.90 35.60092 (21060422)
504271.98 3635925.90 35.59686 (21013118) 504321.98
3635925.90 35.54865 (19012903)
504371.98 3635925.90 38.11701 (20121721) 504421.98
3635925.90 38.45370 (20121721)
504471.98 3635925.90 37.46636 (20092821) 504521.98
3635925.90 34.00235 (20092821)
504571.98 3635925.90 33.61761 (19022602) 504621.98
3635925.90 29.79988 (19022602)
504671.98 3635925.90 31.12535 (21121422) 504721.98
3635925.90 29.23116 (21121422)
504771.98 3635925.90 23.95303 (21121422) 504821.98
3635925.90 16.58336 (20011620)
504871.98 3635925.90 19.25142 (20011620) 504921.98
3635925.90 21.61775 (21090701)
504971.98 3635925.90 27.82268 (21090701) 505021.98
3635925.90 28.37791 (21090701)
505071.98 3635925.90 26.87601 (21081602) 505121.98
3635925.90 28.00664 (21122618)
505171.98 3635925.90 29.00981 (21122618) 505221.98
3635925.90 30.59121 (21122618)
502221.98 3635975.90 27.25054 (20122721) 502271.98
3635975.90 25.35464 (19031105)
502321.98 3635975.90 24.92571 (19031105) 502371.98
3635975.90 24.59875 (20070802)
502421.98 3635975.90 25.41454 (20070802) 502471.98
3635975.90 27.92055 (21121424)
502521.98 3635975.90 29.48591 (21121424) 502571.98

3635975.90   28.70854 (21121424)
        502621.98   3635975.90   27.22284 (19071423)   502671.98
3635975.90   28.21098 (19112801)
        502721.98   3635975.90   30.09946 (19121706)   502771.98
3635975.90   31.40569 (19121706)
        502821.98   3635975.90   30.51192 (19121706)   502871.98
3635975.90   27.32697 (19121706)
        502921.98   3635975.90   28.36303 (21100523)   502971.98
3635975.90   28.96798 (21021621)
        503021.98   3635975.90   29.70247 (21021621)   503071.98
3635975.90   29.63419 (21112718)
        503121.98   3635975.90   29.99595 (19050823)   503171.98
3635975.90   31.49026 (19050823)
        503221.98   3635975.90   31.33382 (21100603)   503271.98
3635975.90   32.37526 (21100603)
        503321.98   3635975.90   31.24822 (20120224)   503371.98
3635975.90   33.52262 (20120224)
        503421.98   3635975.90   31.34236 (19072124)   503471.98
3635975.90   30.38746 (20070922)
        503521.98   3635975.90   31.95894 (19051001)   503571.98
3635975.90   31.84502 (19051001)
        503621.98   3635975.90   30.32524 (21041324)   503671.98
3635975.90   33.96976 (21041324)
        503721.98   3635975.90   34.15680 (21041324)   503771.98
3635975.90   33.88396 (19072223)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):   L0000938   , L0000939
, L0000940   , L0000941   , L0000942   ,
                 L0000943   , L0000944   , L0000945   , L0000946   , L0000947
, L0000948   , L0000949   , L0000950   ,
                 L0000951   , L0000952   , L0000953   , L0000954   , L0000955
, L0000956   , L0000957   , L0000958   ,
                 L0000959   , L0000960   , L0000961   , L0000962   , L0000963
, L0000964   , L0000965   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503821.98	3635975.90	31.00256	(19072223)	503871.98	3635975.90	30.10169	(19072224)
503921.98	3635975.90	34.42824	(19122420)	503971.98	3635975.90	37.36425	(19122420)
504021.98	3635975.90	36.89402	(19122420)	504071.98	3635975.90	33.32713	(19122420)
504121.98	3635975.90	33.70947	(20092001)	504171.98	3635975.90	31.94891	(20092001)
504221.98	3635975.90	32.15967	(21060422)	504271.98	3635975.90	34.72141	(21013118)
504321.98	3635975.90	34.76132	(21013118)	504371.98	3635975.90	32.80719	(20121721)
504421.98	3635975.90	34.89318	(20121721)	504471.98	3635975.90	35.12954	(20092821)
504521.98	3635975.90	34.91242	(20092821)	504571.98	3635975.90	33.89911	(19022602)
504621.98	3635975.90	35.19550	(19022602)	504671.98	3635975.90	33.59489	(21121422)
504721.98	3635975.90	34.19478	(21121422)	504771.98	3635975.90	30.60837	(21121422)
504821.98	3635975.90	24.31050	(21121422)	504871.98	3635975.90	20.87913	(21061321)
504921.98	3635975.90	20.31551	(21090701)	504971.98	3635975.90	25.78229	(21090701)
505021.98	3635975.90	27.85524	(21090701)	505071.98	3635975.90	27.65421	(21090701)
505121.98	3635975.90	25.85744	(21081602)	505171.98	3635975.90	27.87596	(21122618)
505221.98	3635975.90	28.21087	(21122618)	501721.98	3632475.90	2.49815	(19010119)
501821.98	3632475.90	3.64605	(21030103)	501921.98	3632475.90	5.20531	(21030103)
502021.98	3632475.90	6.87715	(21030103)	502121.98	3632475.90	8.31108	(21030103)
502221.98	3632475.90	9.09581	(21030103)	502321.98	3632475.90	10.45142	(20121603)
502421.98	3632475.90	12.80808	(20121603)	502521.98	3632475.90	13.54326	(20121603)
502621.98	3632475.90	12.21503	(20121603)	502721.98	3632475.90	12.36088	(21063005)
502821.98	3632475.90	13.20502	(20102407)	502921.98	3632475.90	17.86522	(20102407)
503021.98	3632475.90	20.69555	(20111701)	503121.98	3632475.90	24.66696	(19081924)
503221.98	3632475.90	28.77851	(19081924)	503321.98	3632475.90	25.22670	(19110606)

```
        503421.98   3632475.90       27.21501  (19101521)                503721.98
3632475.90       26.06490  (21020203)
        503821.98   3632475.90       27.23691  (20082921)                503921.98
3632475.90       22.21468  (20082921)
        504021.98   3632475.90       18.30167  (20081802)                504121.98
3632475.90       18.73818  (20080922)
        504221.98   3632475.90       16.86546  (21011302)                504321.98
3632475.90       16.91687  (19102905)
        504421.98   3632475.90       17.35443  (20081021)                504521.98
3632475.90       18.05241  (20083021)
        504621.98   3632475.90       16.51977  (21013021)                504721.98
3632475.90       16.28561  (21120723)
        504821.98   3632475.90       15.69996  (20101423)                504921.98
3632475.90       15.93871  (21011323)
        505021.98   3632475.90       15.69456  (21010102)                505121.98
3632475.90       14.96919  (20011902)
        505221.98   3632475.90       15.28951  (21021820)                505321.98
3632475.90       15.06085  (21011520)
        505421.98   3632475.90       14.41317  (21010522)                505521.98
3632475.90       14.31148  (19122301)
        505621.98   3632475.90       13.71164  (20122923)                505721.98
3632475.90       13.46996  (20100121)
        501721.98   3632575.90        3.17921  (19010119)                501821.98
3632575.90        2.74890  (19010119)
        501921.98   3632575.90        4.05109  (21030103)                502021.98
3632575.90        5.79962  (21030103)
        502121.98   3632575.90        7.63355  (21030103)                502221.98
3632575.90        9.12385  (21030103)
        502321.98   3632575.90        9.79374  (21030103)                502421.98
3632575.90       12.06839  (20121603)
        502521.98   3632575.90       14.18101  (20121603)                502621.98
3632575.90       14.19155  (20121603)
        502721.98   3632575.90       12.15893  (21063005)                502821.98
3632575.90       12.85208  (21063005)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 912
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
```

L0000959 , L0000960 , L0000961 , L0000962 , L0000963
, L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502921.98	3632575.90	16.89822	(20102407)	503021.98	3632575.90	20.93735	(20111701)
503121.98	3632575.90	22.07489	(19081924)	503221.98	3632575.90	30.34978	(19081924)
503321.98	3632575.90	26.08363	(19081924)	503421.98	3632575.90	28.36191	(19101521)
503721.98	3632575.90	25.20347	(21020203)	503821.98	3632575.90	26.78330	(20082921)
503921.98	3632575.90	18.40763	(20081802)	504021.98	3632575.90	17.68441	(19032124)
504121.98	3632575.90	18.12151	(21013120)	504221.98	3632575.90	17.18139	(21011302)
504321.98	3632575.90	17.56667	(21022205)	504421.98	3632575.90	17.41385	(21011620)
504521.98	3632575.90	17.76043	(21013021)	504621.98	3632575.90	16.85459	(20042404)
504721.98	3632575.90	16.68083	(20101423)	504821.98	3632575.90	16.21916	(21011323)
504921.98	3632575.90	16.15328	(21010102)	505021.98	3632575.90	16.18853	(20011902)
505121.98	3632575.90	15.96680	(19022705)	505221.98	3632575.90	15.60348	(21011520)
505321.98	3632575.90	15.20092	(19121906)	505421.98	3632575.90	15.04663	(19122301)
505521.98	3632575.90	14.54558	(20122923)	505621.98	3632575.90	14.19937	(20100121)
505721.98	3632575.90	14.06151	(21022502)	501721.98	3632675.90	3.87297	(19010119)
501821.98	3632675.90	3.50597	(19010119)	501921.98	3632675.90	3.03714	(19010119)
502021.98	3632675.90	4.52177	(21030103)	502121.98	3632675.90	6.48896	(21030103)
502221.98	3632675.90	8.49900	(21030103)	502321.98	3632675.90	10.02479	(21030103)
502421.98	3632675.90	10.52056	(21030103)	502521.98	3632675.90	13.84176	(20121603)
502621.98	3632675.90	15.48474	(20121603)	502721.98			

3632675.90   14.53859 (20121603)
        502821.98   3632675.90   23.27853 (20092124)   502921.98
3632675.90   24.85933 (20092124)
        503021.98   3632675.90   24.59671 (20082723)   503721.98
3632675.90   25.47337 (21020203)
        503821.98   3632675.90   28.27087 (20082921)   503921.98
3632675.90   22.06796 (20081802)
        504021.98   3632675.90   18.81175 (20022622)   504121.98
3632675.90   18.82144 (21013120)
        504221.98   3632675.90   18.43549 (19102905)   504321.98
3632675.90   18.55085 (20022403)
        504421.98   3632675.90   18.46817 (21011620)   504521.98
3632675.90   18.37494 (21013021)
        504621.98   3632675.90   17.82088 (21120723)   504721.98
3632675.90   17.24786 (20112022)
        504821.98   3632675.90   17.38550 (21011323)   504921.98
3632675.90   17.01662 (20011902)
        505021.98   3632675.90   16.83586 (19022705)   505121.98
3632675.90   16.41847 (20121007)
        505221.98   3632675.90   16.11069 (21011520)   505321.98
3632675.90   15.76998 (19122301)
        505421.98   3632675.90   15.40843 (20122923)   505521.98
3632675.90   14.95871 (20100121)
        505621.98   3632675.90   14.78616 (21022502)   505721.98
3632675.90   14.28745 (20021702)
        502421.98   3632775.90   13.00640 (21030103)   502521.98
3632775.90   18.75940 (21030103)
        502621.98   3632775.90   20.68439 (20121603)   502721.98
3632775.90   16.61163 (20121603)
        502821.98   3632775.90   26.66310 (20092124)   502921.98
3632775.90   30.41456 (20090205)
        503021.98   3632775.90   26.76414 (20090205)   503121.98
3632775.90   30.48618 (20111701)
        503221.98   3632775.90   26.78340 (19081924)   503621.98
3632775.90   29.87373 (20050102)
        503721.98   3632775.90   26.76516 (21020203)   503821.98
3632775.90   27.50360 (20082921)
        503921.98   3632775.90   23.70793 (20081802)   504021.98
3632775.90   20.82806 (20080922)
        504121.98   3632775.90   19.42284 (21011302)   504221.98
3632775.90   19.43933 (19102905)
        504321.98   3632775.90   19.31473 (20022403)   504421.98
3632775.90   19.32117 (21013021)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504521.98	3632775.90	18.53905	(20042404)	504621.98	3632775.90	18.31622	(20101423)
504721.98	3632775.90	18.18909	(21011323)	504821.98	3632775.90	18.01211	(21010102)
504921.98	3632775.90	17.42368	(19022705)	505021.98	3632775.90	17.49792	(21021820)
505121.98	3632775.90	17.24206	(21011520)	505221.98	3632775.90	16.66603	(21010522)
505321.98	3632775.90	16.30585	(20122923)	505421.98	3632775.90	15.79872	(20100121)
505521.98	3632775.90	15.56588	(21022502)	505621.98	3632775.90	15.17576	(20021702)
505721.98	3632775.90	15.07867	(20020804)	501721.98	3632875.90	4.90443	(19010119)
501821.98	3632875.90	4.91371	(19010119)	501921.98	3632875.90	4.71760	(19010119)
502021.98	3632875.90	4.32048	(19010119)	502121.98	3632875.90	3.76192	(19010119)
502221.98	3632875.90	5.71808	(21030103)	502321.98	3632875.90	8.23497	(21030103)
502421.98	3632875.90	10.63535	(21030103)	502521.98	3632875.90	12.11635	(21030103)
502621.98	3632875.90	14.70849	(20121603)	502721.98	3632875.90	17.64520	(20121603)
502821.98	3632875.90	23.59981	(20092124)	502921.98	3632875.90	32.20799	(20090205)
503021.98	3632875.90	23.17777	(20090205)	503121.98	3632875.90	25.32633	(20111701)

503221.98 3632875.90 29.78588 (20111701) 503321.98
3632875.90 34.52934 (19081924)
503421.98 3632875.90 32.74327 (19110606) 503621.98
3632875.90 30.75050 (20050102)
503721.98 3632875.90 26.94743 (21020203) 503821.98
3632875.90 27.41607 (20082921)
503921.98 3632875.90 21.50422 (20081802) 504021.98
3632875.90 20.50521 (20022622)
504121.98 3632875.90 20.02362 (21011302) 504221.98
3632875.90 20.14532 (19121107)
504321.98 3632875.90 20.28596 (21011620) 504421.98
3632875.90 20.38987 (21013021)
504521.98 3632875.90 19.54154 (21120723) 504621.98
3632875.90 18.90611 (20112022)
504721.98 3632875.90 18.83303 (21011323) 504821.98
3632875.90 18.66746 (20011902)
504921.98 3632875.90 18.50950 (21021820) 505021.98
3632875.90 18.29601 (21011520)
505121.98 3632875.90 17.68143 (21010522) 505221.98
3632875.90 17.25476 (20122923)
505321.98 3632875.90 16.67724 (20100121) 505421.98
3632875.90 16.42064 (19120104)
505521.98 3632875.90 16.16095 (20021702) 505621.98
3632875.90 15.88182 (20020804)
505721.98 3632875.90 15.29422 (21012402) 501721.98
3632975.90 6.06413 (21111004)
501821.98 3632975.90 5.39972 (21111004) 501921.98
3632975.90 5.39179 (19010119)
502021.98 3632975.90 5.23371 (19010119) 502121.98
3632975.90 4.83046 (19010119)
505321.98 3632975.90 17.38850 (19120104) 505421.98
3632975.90 17.16563 (20021702)
505521.98 3632975.90 16.70209 (20020804) 505621.98
3632975.90 16.24325 (21012402)
505721.98 3632975.90 15.68633 (20121620) 501721.98
3633075.90 7.25926 (21111004)
501821.98 3633075.90 6.92432 (21111004) 501921.98
3633075.90 6.28550 (21111004)
502021.98 3633075.90 5.92637 (19010119) 502121.98
3633075.90 5.82745 (19010119)
505321.98 3633075.90 18.22349 (20021702) 505421.98
3633075.90 17.52918 (20020804)
505521.98 3633075.90 17.12318 (21012402) 505621.98
3633075.90 17.06488 (20111118)
505721.98 3633075.90 16.03474 (19010903) 501721.98
3633175.90 7.89976 (21111004)
501821.98 3633175.90 8.07710 (21111004) 501921.98
3633175.90 7.89026 (21111004)
502021.98 3633175.90 7.32039 (21111004) 502121.98
3633175.90 6.51537 (19010119)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633175.90	18.19370	(20111118)	505621.98	3633175.90	18.07923	(21011418)
505721.98	3633175.90	17.29311	(21011418)	501721.98	3633275.90	7.74662	(21111004)
501821.98	3633275.90	8.49045	(21111004)	501921.98	3633275.90	8.92932	(21111004)
502021.98	3633275.90	8.96527	(21111004)	502121.98	3633275.90	8.51579	(21111004)
505321.98	3633275.90	19.21576	(20121620)	505421.98	3633275.90	18.53126	(19010903)
505521.98	3633275.90	19.22199	(21011418)	505621.98	3633275.90	19.75576	(21011418)
505721.98	3633275.90	16.81236	(21011022)	501721.98	3633375.90	6.78225	(21111004)
501821.98	3633375.90	7.94803	(21111004)	501921.98	3633375.90	8.99078	(21111004)
502021.98	3633375.90	9.76487	(21111004)	502121.98	3633375.90	10.11158	(21111004)
505321.98	3633375.90	20.01478	(20082222)	505421.98			

```
3633375.90       19.31232  (21011418)
        505521.98   3633375.90       18.40103  (21011022)                505621.98
3633375.90       17.80844  (20021024)
        505721.98   3633375.90       17.51461  (21122302)                501721.98
3633475.90        6.01960  (21012320)
        501821.98   3633475.90        6.57456  (21111004)                501921.98
3633475.90        7.98839  (21111004)
        502021.98   3633475.90        9.37238  (21111004)                502121.98
3633475.90       10.54098  (21111004)
        505321.98   3633475.90       21.82434  (21011418)                505421.98
3633475.90       19.49138  (20021024)
        505521.98   3633475.90       19.26542  (21122302)                505621.98
3633475.90       18.44860  (21010408)
        505721.98   3633475.90       18.01168  (21011720)                501721.98
3633575.90        9.36542  (21012320)
        501821.98   3633575.90        8.50586  (21012320)                501921.98
3633575.90        7.42635  (21012320)
        502021.98   3633575.90        7.79960  (21111004)                502121.98
3633575.90        9.55307  (21111004)
        505321.98   3633575.90       21.06348  (21122302)                505421.98
3633575.90       20.30801  (21011724)
        505521.98   3633575.90       19.62207  (21011720)                505621.98
3633575.90       18.91205  (21011221)
        505721.98   3633575.90       18.86694  (20072623)                501721.98
3633675.90       12.26496  (21012320)
        501821.98   3633675.90       12.05256  (21012320)                501921.98
3633675.90       11.50212  (21012320)
        502021.98   3633675.90       10.58484  (21012320)                502121.98
3633675.90        9.34911  (21012320)
        505321.98   3633675.90       21.66476  (21010408)                505421.98
3633675.90       20.82915  (21011221)
        505521.98   3633675.90       20.15518  (20121406)                505621.98
3633675.90       19.21112  (20021723)
        505721.98   3633675.90       20.56941  (20081804)                501721.98
3633775.90       13.35214  (21012320)
        501821.98   3633775.90       14.12628  (21012320)                501921.98
3633775.90       14.60585  (21012320)
        502021.98   3633775.90       14.68934  (21012320)                502121.98
3633775.90       14.28303  (21012320)
        505321.98   3633775.90       22.18619  (20121406)                505421.98
3633775.90       21.32581  (20021723)
        505521.98   3633775.90       20.72628  (19011606)                505621.98
3633775.90       21.20360  (20081804)
        505721.98   3633775.90       21.60866  (20081804)                501721.98
3633875.90       11.93533  (21012320)
        501821.98   3633875.90       13.51355  (21012320)                501921.98
3633875.90       14.95035  (21012320)
        502021.98   3633875.90       16.36130  (21012320)                502121.98
3633875.90       17.39627  (21012320)
        505321.98   3633875.90       23.16311  (20081804)                505421.98
```

3633875.90   22.42149 (20081804)
        505521.98   3633875.90   21.24380 (20082223)   505621.98
3633875.90   20.21590 (20082223)
        505721.98   3633875.90   20.66572 (20081222)   501721.98
3633975.90   8.68364 (21012320)
        501821.98   3633975.90   10.38606 (21012320)   501921.98
3633975.90   12.30108 (21012320)
        502021.98   3633975.90   14.37695 (21012320)   502121.98
3633975.90   16.58452 (21012320)
        505321.98   3633975.90   23.32341 (20082223)   505421.98
3633975.90   22.00722 (19011923)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
                 L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
                 L0000951   , L0000952   , L0000953   , L0000954   , L0000955 , L0000956   , L0000957   , L0000958   ,
                 L0000959   , L0000960   , L0000961   , L0000962   , L0000963 , L0000964   , L0000965   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        505521.98   3633975.90   21.16876 (21121821)   505621.98
3633975.90   20.40674 (20121224)
        505721.98   3633975.90   20.20735 (20121224)   501721.98
3634075.90   10.98374 (19083104)
        501821.98   3634075.90   11.37106 (19083104)   501921.98
3634075.90   11.69243 (19083104)
        502021.98   3634075.90   11.92481 (19083104)   502121.98
3634075.90   12.11673 (21012320)
        505321.98   3634075.90   23.46326 (20121224)   505421.98
3634075.90   22.41441 (20020703)

```
        505521.98   3634075.90       21.90900  (21020219)                505621.98
3634075.90       22.07149  (21121518)
        505721.98   3634075.90       20.50647  (21121518)                501721.98
3634175.90       11.46939  (19083104)
        501821.98   3634175.90       12.35179  (19083104)                501921.98
3634175.90       13.24975  (19083104)
        502021.98   3634175.90       14.10463  (19083104)                502121.98
3634175.90       15.04426  (19083104)
        505321.98   3634175.90       24.50449  (20101001)                505421.98
3634175.90       25.03776  (20080321)
        505521.98   3634175.90       25.47145  (20080321)                505621.98
3634175.90       22.91475  (20080321)
        505721.98   3634175.90       20.45770  (20080321)                501721.98
3634275.90        9.71680  (19083104)
        501821.98   3634275.90       10.70587  (19083104)                501921.98
3634275.90       11.80806  (19083104)
        502021.98   3634275.90       13.02463  (19083104)                502121.98
3634275.90       14.39000  (19083104)
        505321.98   3634275.90       28.56142  (20080321)                505421.98
3634275.90       27.67692  (19031020)
        505521.98   3634275.90       23.49888  (19031020)                505621.98
3634275.90       21.62836  (19031020)
        505721.98   3634275.90       20.39663  (20013123)                501721.98
3634375.90        9.07727  (20022619)
        501821.98   3634375.90        9.70061  (20022619)                501921.98
3634375.90       10.30992  (20022619)
        502021.98   3634375.90       11.01737  (20022619)                502121.98
3634375.90       11.88027  (20022619)
        505321.98   3634375.90       32.10961  (20092120)                505421.98
3634375.90       30.38770  (20092120)
        505521.98   3634375.90       23.27712  (20092120)                505621.98
3634375.90       20.90148  (20092120)
        505721.98   3634375.90       19.72943  (20092120)                501721.98
3634475.90       12.74043  (21021102)
        501821.98   3634475.90       13.68834  (21021102)                501921.98
3634475.90       14.73330  (21021102)
        502021.98   3634475.90       15.92682  (21021102)                502121.98
3634475.90       17.22188  (21021102)
        505321.98   3634475.90       32.82681  (20082306)                505421.98
3634475.90       35.00485  (20082306)
        505521.98   3634475.90       29.07217  (20082306)                505621.98
3634475.90       24.20178  (20082306)
        505721.98   3634475.90       20.28269  (21021007)                501721.98
3634575.90       14.60435  (21021102)
        501821.98   3634575.90       15.55954  (21021102)                501921.98
3634575.90       16.61392  (21021102)
        502021.98   3634575.90       17.79685  (21021102)                502121.98
3634575.90       19.10410  (21021102)
        505321.98   3634575.90       30.97500  (20041201)                505421.98
3634575.90       33.57745  (21013119)
```

```
        505521.98   3634575.90       30.29960  (20011720)               505621.98
3634575.90       23.22588  (20041201)
        505721.98   3634575.90       20.19145  (20011720)               501721.98
3634675.90       12.88616  (21021102)
        501821.98   3634675.90       13.45393  (21021102)               501921.98
3634675.90       14.02557  (21021102)
        502021.98   3634675.90       14.62800  (21021102)               502121.98
3634675.90       15.17546  (21021102)
        505321.98   3634675.90       32.63638  (20041201)               505421.98
3634675.90       37.22467  (20041201)
        505521.98   3634675.90       35.61258  (20041201)               505621.98
3634675.90       33.64537  (20041201)
        505721.98   3634675.90       27.84139  (20041201)               501721.98
3634775.90       10.00231  (19101801)
        501821.98   3634775.90       10.77306  (19050903)               501921.98
3634775.90       12.23055  (19050903)
        502021.98   3634775.90       13.87654  (19050903)               502121.98
3634775.90       15.64953  (19050903)
        505321.98   3634775.90       34.10477  (20081806)               505421.98
3634775.90       34.70684  (20081806)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 916
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
                  L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                  L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                  L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        505521.98   3634775.90       31.54563  (20081806)               505621.98
```

3634775.90 30.05947 (20081806)
505721.98 3634775.90 26.94318 (20081806) 501721.98
3634875.90 12.19264 (19050903)
501821.98 3634875.90 13.36482 (19050903) 501921.98
3634875.90 14.52689 (19050903)
502021.98 3634875.90 15.64744 (19050903) 502121.98
3634875.90 16.68179 (19050903)
505321.98 3634875.90 32.71016 (19022319) 505421.98
3634875.90 34.50878 (21012820)
505521.98 3634875.90 32.76225 (21012820) 505621.98
3634875.90 30.54672 (21032601)
505721.98 3634875.90 29.79925 (21032601) 501721.98
3634975.90 12.61515 (19050903)
501821.98 3634975.90 13.11616 (19050903) 501921.98
3634975.90 13.45428 (19050903)
502021.98 3634975.90 13.60226 (19050903) 502121.98
3634975.90 13.51478 (19050903)
505321.98 3634975.90 31.58616 (19030607) 505421.98
3634975.90 36.12231 (20081401)
505521.98 3634975.90 35.48422 (20081401) 505621.98
3634975.90 32.60035 (20081401)
505721.98 3634975.90 28.95352 (20081401) 501721.98
3635075.90 17.12136 (21121021)
501821.98 3635075.90 11.45422 (21121021) 501921.98
3635075.90 28.89868 (19110921)
502021.98 3635075.90 29.20796 (19110921) 502121.98
3635075.90 10.49542 (20021724)
505321.98 3635075.90 28.19128 (20121617) 505421.98
3635075.90 28.71564 (19042006)
505521.98 3635075.90 29.69724 (19042006) 505621.98
3635075.90 28.27156 (19042006)
505721.98 3635075.90 30.15189 (20081401) 501721.98
3635175.90 26.76104 (19110921)
501821.98 3635175.90 25.91160 (19110921) 501921.98
3635175.90 32.53831 (21112918)
502021.98 3635175.90 31.67753 (21112918) 502121.98
3635175.90 17.30413 (19120120)
505321.98 3635175.90 26.12731 (20010802) 505421.98
3635175.90 26.24665 (19022007)
505521.98 3635175.90 23.89768 (19022007) 505621.98
3635175.90 21.30254 (19042006)
505721.98 3635175.90 23.52390 (19042006) 501721.98
3635275.90 29.22933 (19120120)
501821.98 3635275.90 30.14667 (21041803) 501921.98
3635275.90 32.61205 (20021924)
502021.98 3635275.90 34.54480 (19012720) 502121.98
3635275.90 30.76127 (19012720)
505621.98 3635275.90 18.10979 (19022007) 505721.98
3635275.90 18.69521 (19022007)
501721.98 3635375.90 26.83802 (20021924) 501821.98

3635375.90   30.43119 (19012720)
        501921.98   3635375.90   31.57583 (19012720)   502021.98
3635375.90   30.07522 (21011719)
        502121.98   3635375.90   33.03540 (21011719)   505621.98
3635375.90   9.52683 (20010802)
        501721.98   3635475.90   23.46894 (19012720)   501821.98
3635475.90   25.93452 (21011719)
        501921.98   3635475.90   28.40592 (19111006)   502021.98
3635475.90   30.09427 (19111006)
        502121.98   3635475.90   31.11416 (21052423)   505621.98
3635475.90   5.58831 (21071520)
        505721.98   3635475.90   4.38164 (20092620)   501721.98
3635575.90   24.53784 (21011719)
        501821.98   3635575.90   24.31000 (21011719)   501921.98
3635575.90   25.73552 (21052423)
        502021.98   3635575.90   28.89873 (21052423)   502121.98
3635575.90   29.00788 (19013101)
        505321.98   3635575.90   24.83328 (19102623)   505421.98
3635575.90   9.86888 (21071520)
        505521.98   3635575.90   8.58491 (21071520)   505621.98
3635575.90   7.16511 (21071520)
        505721.98   3635575.90   5.78071 (21071520)   501721.98
3635675.90   22.14384 (19120317)
        501821.98   3635675.90   22.14421 (19120317)   501921.98
3635675.90   26.04490 (19013101)
        502021.98   3635675.90   27.95705 (19013101)   502121.98
3635675.90   28.38046 (20122320)
        505321.98   3635675.90   27.71579 (19102623)   505421.98
3635675.90   11.91053 (21071520)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):   L0000938   , L0000939 , L0000940   , L0000941   , L0000942   ,
                 L0000943   , L0000944   , L0000945   , L0000946   , L0000947 , L0000948   , L0000949   , L0000950   ,
                 L0000951   , L0000952   , L0000953   , L0000954   , L0000955 , L0000956   , L0000957   , L0000958   ,
                 L0000959   , L0000960   , L0000961   , L0000962   , L0000963 , L0000964   , L0000965   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3635675.90	9.20002	(21071520)	505621.98	3635675.90	8.22943	(21071520)
505721.98	3635675.90	7.07018	(21071520)	501721.98	3635775.90	21.61075	(19013101)
501821.98	3635775.90	25.86724	(19013101)	501921.98	3635775.90	25.99004	(19013101)
502021.98	3635775.90	27.53609	(20122320)	502121.98	3635775.90	28.06969	(21012023)
505321.98	3635775.90	24.48734	(19102623)	505421.98	3635775.90	27.75748	(19102623)
505521.98	3635775.90	24.89383	(19102623)	505621.98	3635775.90	17.44795	(19102623)
505721.98	3635775.90	15.97323	(19010822)	501721.98	3635875.90	22.46634	(19013101)
501821.98	3635875.90	22.95291	(20122320)	501921.98	3635875.90	26.31904	(20122320)
502021.98	3635875.90	27.06015	(21012023)	502121.98	3635875.90	26.88815	(21012023)
505321.98	3635875.90	25.33027	(20091421)	505421.98	3635875.90	21.20687	(19102623)
505521.98	3635875.90	25.16289	(19102623)	505621.98	3635875.90	23.90719	(19102623)
505721.98	3635875.90	20.10999	(19102623)	501721.98	3635975.90	20.54178	(20122320)
501821.98	3635975.90	23.67350	(20122320)	501921.98	3635975.90	25.43896	(21012023)
502021.98	3635975.90	24.07151	(21012023)	502121.98	3635975.90	26.58276	(20122721)
505321.98	3635975.90	26.59000	(21122618)	505421.98	3635975.90	20.81433	(20091421)
505521.98	3635975.90	18.37689	(19102623)	505621.98	3635975.90	23.39463	(19102623)
505721.98	3635975.90	22.38583	(19102623)	501721.98	3636075.90	20.23530	(20122320)
501821.98	3636075.90	22.44059	(21012023)	501921.98	3636075.90	21.13480	(21012023)
502021.98	3636075.90	24.93235	(20122721)	502121.98	3636075.90	25.32724	(20122721)
502221.98	3636075.90	24.06483	(19031105)	502321.98	3636075.90	23.18604	(21121424)
502421.98	3636075.90	27.69606	(21121424)	502521.98	3636075.90	26.17397	(21121424)

```
        502621.98   3636075.90       27.48773  (19112801)                502721.98
3636075.90       29.74971  (19121706)
        502821.98   3636075.90       24.86730  (21100523)                502921.98
3636075.90       27.38728  (21021621)
        503021.98   3636075.90       27.96138  (21112718)                503121.98
3636075.90       29.35232  (19050823)
        503221.98   3636075.90       30.58972  (21100603)                503321.98
3636075.90       31.35387  (20120224)
        503421.98   3636075.90       31.29277  (19072124)                503521.98
3636075.90       30.33243  (19051001)
        503621.98   3636075.90       29.09744  (21041324)                503721.98
3636075.90       32.43599  (19072223)
        503821.98   3636075.90       30.10201  (19072223)                503921.98
3636075.90       33.81519  (19072224)
        504021.98   3636075.90       31.90905  (19122420)                504121.98
3636075.90       28.28131  (19050321)
        504221.98   3636075.90       28.74458  (19050322)                504321.98
3636075.90       33.13239  (21013118)
        504421.98   3636075.90       28.12032  (21013118)                504521.98
3636075.90       26.41092  (19061821)
        504621.98   3636075.90       25.23604  (20102221)                504721.98
3636075.90       28.47281  (19022602)
        504821.98   3636075.90       32.22969  (21121422)                504921.98
3636075.90       24.42681  (21061321)
        505021.98   3636075.90       24.19394  (21090701)                505121.98
3636075.90       26.38216  (21090701)
        505221.98   3636075.90       23.83566  (21081602)                505321.98
3636075.90       27.21661  (21122618)
        505421.98   3636075.90       22.48879  (21122618)                505521.98
3636075.90       20.15391  (20091421)
        505621.98   3636075.90       16.69904  (21012617)                505721.98
3636075.90       20.65626  (19102623)
        501721.98   3636175.90       18.96509  (21012023)                501821.98
3636175.90       18.49502  (20031920)
        501921.98   3636175.90       23.25422  (20122721)                502021.98
3636175.90       23.23514  (20122721)
        502121.98   3636175.90       22.07622  (21101802)                502221.98
3636175.90       22.00890  (20112322)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 918
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000938    , L0000939
, L0000940    , L0000941    , L0000942    ,
```

```
                L0000943    , L0000944    , L0000945    , L0000946    , L0000947
, L0000948    , L0000949    , L0000950    ,
                L0000951    , L0000952    , L0000953    , L0000954    , L0000955
, L0000956    , L0000957    , L0000958    ,
                L0000959    , L0000960    , L0000961    , L0000962    , L0000963
, L0000964    , L0000965    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502321.98   3636175.90       26.27136  (21121424)               502421.98
3636175.90       25.42988  (21121424)
        502521.98   3636175.90       25.56072  (19112801)               502621.98
3636175.90       28.16451  (19121706)
        502721.98   3636175.90       25.46917  (19121706)               502821.98
3636175.90       24.98453  (21100523)
        502921.98   3636175.90       26.88445  (21021621)               503021.98
3636175.90       26.15687  (21112718)
        503121.98   3636175.90       26.26902  (19050823)               503221.98
3636175.90       28.43540  (21100603)
        503321.98   3636175.90       29.64112  (20120224)               503421.98
3636175.90       29.00903  (19072124)
        503521.98   3636175.90       29.14965  (19051001)               503621.98
3636175.90       27.93609  (19051020)
        503721.98   3636175.90       30.88313  (19072223)               503821.98
3636175.90       28.55881  (19072223)
        503921.98   3636175.90       32.11342  (19072224)               504021.98
3636175.90       30.82136  (19072224)
        504121.98   3636175.90       27.30777  (19070422)               504221.98
3636175.90       27.83496  (19050322)
        504321.98   3636175.90       26.34794  (21052005)               504421.98
3636175.90       23.82651  (19100119)
        504521.98   3636175.90       20.21838  (21071123)               504621.98
3636175.90       22.66919  (19060406)
        504721.98   3636175.90       24.31838  (19060920)               504821.98
3636175.90       23.67136  (19112903)
        504921.98   3636175.90       25.03374  (21121422)               505021.98
3636175.90       24.88731  (21061321)
        505121.98   3636175.90       23.52780  (21090701)               505221.98
3636175.90       25.07503  (21090701)
        505321.98   3636175.90       24.20130  (21081602)               505421.98
3636175.90       26.76503  (21122618)
        505521.98   3636175.90       22.83379  (21122618)               505621.98
```

```
3636175.90       19.62676  (20091421)
        505721.98   3636175.90       15.87294  (21012617)                501721.98
3636275.90       16.89265  (21040604)
        501821.98   3636275.90       20.90322  (20122721)                501921.98
3636275.90       21.23322  (20122721)
        502021.98   3636275.90       20.71162  (21101802)                502121.98
3636275.90       20.89452  (20112322)
        502221.98   3636275.90       24.35489  (21121424)                502321.98
3636275.90       24.82436  (21121424)
        502421.98   3636275.90       23.53690  (19112801)                502521.98
3636275.90       25.86893  (19121706)
        502621.98   3636275.90       25.76619  (19121706)                502721.98
3636275.90       23.65314  (21100523)
        502821.98   3636275.90       24.68374  (21021621)                502921.98
3636275.90       24.96789  (21112718)
        503021.98   3636275.90       26.42473  (19050823)                503121.98
3636275.90       26.37257  (21100603)
        503221.98   3636275.90       25.06500  (21100603)                503321.98
3636275.90       25.07405  (19072124)
        503421.98   3636275.90       26.25875  (20052321)                503521.98
3636275.90       27.45659  (19051001)
        503621.98   3636275.90       26.91231  (19051020)                503721.98
3636275.90       29.03444  (19072223)
        503821.98   3636275.90       26.67868  (19072223)                503921.98
3636275.90       29.81826  (19072224)
        504021.98   3636275.90       29.51113  (19072224)                504121.98
3636275.90       24.88874  (19070422)
        504221.98   3636275.90       23.53194  (19082724)                504321.98
3636275.90       18.08683  (20031720)
        504421.98   3636275.90       18.73283  (21013118)                504521.98
3636275.90       16.65589  (19081120)
        504621.98   3636275.90       16.82343  (19092222)                504721.98
3636275.90       21.36173  (19060406)
        504821.98   3636275.90       18.40481  (19081721)                504921.98
3636275.90       22.71292  (21050522)
        505021.98   3636275.90       23.54511  (21121422)                505121.98
3636275.90       21.54300  (21061321)
        505221.98   3636275.90       23.27305  (21090701)                505321.98
3636275.90       25.00929  (21090701)
        505421.98   3636275.90       23.82967  (21081602)                505521.98
3636275.90       24.92156  (21122618)
        505621.98   3636275.90       22.29797  (21122618)                505721.98
3636275.90       19.56173  (20091421)
        501721.98   3636375.90       18.96111  (20122721)                501821.98
3636375.90       19.01210  (20122721)
        501921.98   3636375.90       19.35653  (21101802)                502021.98
3636375.90       19.67475  (20112322)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502121.98	3636375.90	22.04630	(21121424)	502221.98	3636375.90	23.66875	(21121424)
502321.98	3636375.90	21.75734	(19112801)	502421.98	3636375.90	23.73804	(19112801)
502521.98	3636375.90	25.39775	(19121706)	502621.98	3636375.90	21.28200	(20040204)
502721.98	3636375.90	22.56230	(21100523)	502821.98	3636375.90	24.00031	(21021621)
502921.98	3636375.90	23.51706	(21112718)	503021.98	3636375.90	25.00510	(19050823)
503121.98	3636375.90	25.04982	(21100603)	503221.98	3636375.90	21.96784	(19080122)
503321.98	3636375.90	22.16296	(20070922)	503421.98	3636375.90	24.21947	(19051001)
503521.98	3636375.90	25.30984	(19051001)	503621.98	3636375.90	25.33933	(19051020)
503721.98	3636375.90	26.93690	(19072223)	503821.98	3636375.90	25.14596	(21031321)
503921.98	3636375.90	26.97086	(19072224)	504021.98	3636375.90	27.51816	(19072224)
504121.98	3636375.90	21.67472	(19082323)	504221.98	3636375.90	19.52080	(19082724)
504321.98	3636375.90	16.14370	(21071621)	504421.98	3636375.90	18.07440	(21013118)

```
        504521.98   3636375.90       16.05506  (21013118)               504621.98
3636375.90       15.34946  (19080523)
        504721.98   3636375.90       17.68596  (19060406)               504821.98
3636375.90       15.73209  (19060406)
        504921.98   3636375.90       15.99876  (19081721)               505021.98
3636375.90       21.39005  (19032022)
        505121.98   3636375.90       21.40685  (21061321)               505221.98
3636375.90       20.98892  (21061321)
        505321.98   3636375.90       23.60837  (21090701)               505421.98
3636375.90       23.54355  (21090701)
        505521.98   3636375.90       22.28648  (21081602)               505621.98
3636375.90       24.16566  (21122618)
        505721.98   3636375.90       21.54214  (21122618)               501721.98
3636475.90       16.27302  (20122721)
        501821.98   3636475.90       17.36049  (21101802)               501921.98
3636475.90       18.32283  (20112322)
        502021.98   3636475.90       19.50837  (19122519)               502121.98
3636475.90       21.65573  (21121424)
        502221.98   3636475.90       19.79800  (21021521)               502321.98
3636475.90       22.72774  (19112801)
        502421.98   3636475.90       24.19540  (19121706)               502521.98
3636475.90       21.80869  (19121706)
        502621.98   3636475.90       21.51551  (21100523)               502721.98
3636475.90       22.35627  (21021621)
        502821.98   3636475.90       22.12402  (21112718)               502921.98
3636475.90       22.52518  (19050823)
        503021.98   3636475.90       22.13821  (19050823)               503121.98
3636475.90       22.43352  (21100603)
        503221.98   3636475.90       19.93414  (19082701)               503321.98
3636475.90       21.11567  (20070922)
        503421.98   3636475.90       22.83176  (19051001)               503521.98
3636475.90       22.84682  (19051001)
        503621.98   3636475.90       23.52824  (19051020)               503721.98
3636475.90       24.72973  (19072223)
        503821.98   3636475.90       22.99739  (21031321)               503921.98
3636475.90       23.94815  (19072224)
        504021.98   3636475.90       20.99295  (19072224)               504121.98
3636475.90       17.90578  (20020307)
        504221.98   3636475.90       18.29721  (19082724)               504321.98
3636475.90       15.65678  (21071621)
        504421.98   3636475.90       16.71776  (21013118)               504521.98
3636475.90       16.70630  (21013118)
        504621.98   3636475.90       14.92145  (19080523)               504721.98
3636475.90       14.74881  (19061821)
        504821.98   3636475.90       14.00607  (19061621)               504921.98
3636475.90       14.54325  (19061724)
        505021.98   3636475.90       19.89948  (21050522)               505121.98
3636475.90       22.58511  (21121422)
        505221.98   3636475.90       20.45237  (21061321)               505321.98
3636475.90       19.60033  (19010920)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633475.90	7.27355	(21111004)	502771.98	3633475.90	7.08434	(21111004)
502821.98	3633475.90	6.79141	(21111004)	502871.98	3633475.90	6.40435	(21111004)
502921.98	3633475.90	6.09925	(19010119)	502971.98	3633475.90	6.12716	(19010119)
503021.98	3633475.90	6.05503	(19010119)	503071.98	3633475.90	5.88807	(19010119)
503121.98	3633475.90	5.60960	(19010119)	503171.98	3633475.90	5.23396	(19010119)
503221.98	3633475.90	5.90531	(21030103)	503271.98	3633475.90	7.69109	(21030103)
503321.98	3633475.90	15.52992	(20122620)	503371.98	3633475.90	26.17024	(20122620)
503421.98	3633475.90	26.52916	(21030103)	503471.98	3633475.90	27.06828	(21030103)
503521.98	3633475.90	24.26706	(21030103)	503621.98			

3633475.90 19.85313 (20121603)
503671.98 3633475.90 18.12017 (21041501) 503721.98
3633475.90 16.05696 (20092123)
503771.98 3633475.90 15.23773 (20092123) 503821.98
3633475.90 13.44743 (20092123)
503871.98 3633475.90 13.07801 (20090205) 503921.98
3633475.90 13.60610 (20090205)
503971.98 3633475.90 12.23819 (20090205) 504021.98
3633475.90 10.30210 (19080102)
504071.98 3633475.90 9.79280 (19080102) 504121.98
3633475.90 9.22211 (19080102)
504171.98 3633475.90 8.81883 (21020924) 504221.98
3633475.90 9.19320 (21020924)
504271.98 3633475.90 9.51202 (21020924) 504321.98
3633475.90 9.22118 (21020924)
504371.98 3633475.90 7.84988 (21111005) 504421.98
3633475.90 6.61701 (21111005)
504471.98 3633475.90 5.65148 (21111005) 504521.98
3633475.90 5.24262 (20091518)
504571.98 3633475.90 5.17636 (20101121) 504621.98
3633475.90 5.44272 (20081802)
504671.98 3633475.90 5.64318 (20081802) 504721.98
3633475.90 5.95225 (20081802)
502721.98 3633525.90 7.79196 (21111004) 502771.98
3633525.90 7.75325 (21111004)
502821.98 3633525.90 7.60908 (21111004) 502871.98
3633525.90 7.35797 (21111004)
502921.98 3633525.90 6.98930 (21111004) 502971.98
3633525.90 6.50386 (21111004)
503021.98 3633525.90 6.48400 (19010119) 503071.98
3633525.90 6.43872 (19010119)
503121.98 3633525.90 6.26426 (19010119) 503171.98
3633525.90 5.98941 (19010119)
503221.98 3633525.90 5.61657 (19010119) 503271.98
3633525.90 6.43495 (21030103)
503321.98 3633525.90 8.41837 (21030103) 503371.98
3633525.90 26.71294 (20122620)
503421.98 3633525.90 27.97340 (20122620) 503471.98
3633525.90 26.15094 (21030103)
503521.98 3633525.90 27.04698 (21030103) 503621.98
3633525.90 23.10269 (20121603)
503671.98 3633525.90 20.90432 (20121603) 503721.98
3633525.90 19.61590 (20090205)
503771.98 3633525.90 17.40739 (20090205) 503821.98
3633525.90 15.40092 (20092123)
503871.98 3633525.90 15.66093 (20090205) 503921.98
3633525.90 16.30502 (20090205)
503971.98 3633525.90 14.47162 (20090205) 504021.98
3633525.90 11.73387 (20090205)
504071.98 3633525.90 10.94754 (19080102) 504121.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502721.98   3633575.90   8.09074 (21111004)   502771.98
3633575.90   8.21886 (21111004)
        502821.98   3633575.90   8.25514 (21111004)   502871.98
3633575.90   8.17854 (21111004)
        502921.98   3633575.90   7.96519 (21111004)   502971.98
3633575.90   7.62183 (21111004)
        503021.98   3633575.90   7.15228 (21111004)   503071.98
3633575.90   6.88061 (19010119)

503121.98 3633575.90 6.85329 (19010119) 503171.98 3633575.90 6.71251 (19010119)
503221.98 3633575.90 6.44827 (19010119) 503271.98 3633575.90 6.05530 (19010119)
503321.98 3633575.90 7.04298 (21030103) 503371.98 3633575.90 9.25188 (21030103)
503421.98 3633575.90 18.71206 (20122620) 503471.98 3633575.90 24.37016 (20122620)
503521.98 3633575.90 22.41943 (21030103) 503621.98 3633575.90 23.90887 (20121603)
503671.98 3633575.90 23.62654 (20121603) 503721.98 3633575.90 21.75959 (20121603)
503771.98 3633575.90 20.20671 (20090205) 503821.98 3633575.90 18.56376 (20090205)
503871.98 3633575.90 19.05402 (20090205) 503921.98 3633575.90 18.40076 (20090205)
503971.98 3633575.90 16.64327 (20090205) 504021.98 3633575.90 14.58690 (20090205)
504071.98 3633575.90 12.12726 (20090723) 504121.98 3633575.90 11.77400 (20111701)
504171.98 3633575.90 11.33535 (20111701) 504221.98 3633575.90 11.20593 (21020924)
504271.98 3633575.90 10.31667 (21020924) 504321.98 3633575.90 8.66984 (21020924)
504371.98 3633575.90 7.62044 (21020924) 504421.98 3633575.90 6.57363 (21111005)
504471.98 3633575.90 6.09391 (21111005) 504521.98 3633575.90 6.17027 (21111005)
504571.98 3633575.90 6.61164 (20101121) 504621.98 3633575.90 6.34627 (20081802)
504671.98 3633575.90 6.28787 (20081802) 504721.98 3633575.90 6.24721 (20081802)
502721.98 3633625.90 8.15353 (21111004) 502771.98 3633625.90 8.44463 (21111004)
502821.98 3633625.90 8.65421 (21111004) 502871.98 3633625.90 8.76699 (21111004)
502921.98 3633625.90 8.75837 (21111004) 502971.98 3633625.90 8.61855 (21111004)
503021.98 3633625.90 8.32885 (21111004) 503071.98 3633625.90 7.86468 (21111004)
503121.98 3633625.90 7.29223 (19010119) 503171.98 3633625.90 7.33246 (19010119)
503221.98 3633625.90 7.22270 (19010119) 503271.98 3633625.90 6.97069 (19010119)
503321.98 3633625.90 6.55472 (19010119) 503371.98 3633625.90 7.74768 (21030103)
503421.98 3633625.90 10.22731 (21030103) 503471.98 3633625.90 19.92103 (20122620)
503521.98 3633625.90 21.82308 (21030103) 503621.98 3633625.90 26.22170 (21031822)

```
        503671.98   3633625.90       25.08108  (20121603)               503721.98
3633625.90       23.96128  (20121603)
        503771.98   3633625.90       21.23935  (20090205)               503821.98
3633625.90       20.50506  (20090205)
        503871.98   3633625.90       20.34019  (20090205)               503921.98
3633625.90       19.53386  (20090205)
        503971.98   3633625.90       18.38315  (20090205)               504021.98
3633625.90       16.38629  (20090205)
        504071.98   3633625.90       13.89872  (20090205)               504121.98
3633625.90       13.19733  (20111701)
        504171.98   3633625.90       12.78387  (20111701)               504221.98
3633625.90       11.63798  (21020924)
        504271.98   3633625.90       11.00990  (21020924)               504321.98
3633625.90        9.91630  (21020924)
        504371.98   3633625.90        8.37386  (21020924)               504421.98
3633625.90        7.18211  (21111005)
        504471.98   3633625.90        6.66269  (21111005)               504521.98
3633625.90        7.12728  (21111005)
        504571.98   3633625.90        6.99062  (20101121)               504621.98
3633625.90        6.65519  (20081802)
        504671.98   3633625.90        6.81101  (20081802)               504721.98
3633625.90        6.58868  (20081802)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 922
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502721.98   3633675.90        7.96788  (21111004)                502771.98
3633675.90        8.39728  (21111004)
        502821.98   3633675.90        8.77223  (21111004)                502871.98
3633675.90        9.07615  (21111004)
        502921.98   3633675.90        9.29458  (21111004)                502971.98
3633675.90        9.38317  (21111004)
        503021.98   3633675.90        9.32388  (21111004)                503071.98
3633675.90        9.08249  (21111004)
        503121.98   3633675.90        8.66631  (21111004)                503171.98
3633675.90        8.07100  (21111004)
        503221.98   3633675.90        7.86928  (19010119)                503271.98
3633675.90        7.80807  (19010119)
        503321.98   3633675.90        7.56075  (19010119)                503371.98
3633675.90        7.10792  (19010119)
        503421.98   3633675.90        8.57297  (21030103)                503471.98
3633675.90       11.38179  (21030103)
        503521.98   3633675.90       14.02211  (21030103)                503571.98
3633675.90       30.41094  (20122620)
        503671.98   3633675.90       26.31574  (21031822)                503721.98
3633675.90       26.10623  (20121603)
        503771.98   3633675.90       23.92079  (20121603)                503821.98
3633675.90       22.30539  (20090205)
        503871.98   3633675.90       21.43052  (20090205)                503921.98
3633675.90       20.76387  (20090205)
        503971.98   3633675.90       19.74700  (20090205)                504021.98
3633675.90       18.07464  (20090205)
        504071.98   3633675.90       15.66072  (20090205)                504121.98
3633675.90       14.36117  (20111701)
        504171.98   3633675.90       14.00731  (20111701)                504221.98
3633675.90       12.63901  (20111701)
        504271.98   3633675.90       11.86092  (21020924)                504321.98
3633675.90       10.81838  (21020924)
        504371.98   3633675.90        9.24339  (21020924)                504421.98
3633675.90        8.12322  (21020924)
        504471.98   3633675.90        8.11210  (21111005)                504521.98
3633675.90        7.96039  (21111005)
        504571.98   3633675.90        7.38796  (20101121)                504621.98
3633675.90        7.10367  (20081802)
        504671.98   3633675.90        7.07151  (20081802)                504721.98
3633675.90        7.02271  (20081802)
        502721.98   3633725.90        7.56094  (21111004)                502771.98
3633725.90        8.09690  (21111004)
        502821.98   3633725.90        8.60347  (21111004)                502871.98
3633725.90        9.07924  (21111004)
        502921.98   3633725.90        9.50786  (21111004)                502971.98
3633725.90        9.82540  (21111004)
        503021.98   3633725.90       10.00345  (21111004)                503071.98
3633725.90       10.05517  (21111004)
        503121.98   3633725.90        9.91483  (21111004)                503171.98
```

```
3633725.90        9.56800  (21111004)
        503221.98   3633725.90        9.00685  (21111004)                503271.98
3633725.90        8.46227  (19010119)
        503321.98   3633725.90        8.44335  (19010119)                503371.98
3633725.90        8.19614  (19010119)
        503421.98   3633725.90        7.72145  (19010119)                503471.98
3633725.90        9.55291  (21030103)
        503521.98   3633725.90       12.74743  (21030103)                503571.98
3633725.90       15.61474  (21030103)
        503721.98   3633725.90       27.98527  (20121603)                503771.98
3633725.90       26.53911  (20121603)
        503821.98   3633725.90       23.82925  (20121603)                503871.98
3633725.90       22.75837  (20090205)
        503921.98   3633725.90       21.91460  (20090205)                503971.98
3633725.90       20.98743  (20090205)
        504021.98   3633725.90       19.64381  (20090205)                504071.98
3633725.90       17.35559  (20090205)
        504121.98   3633725.90       15.57245  (20111701)                504171.98
3633725.90       15.05286  (20111701)
        504221.98   3633725.90       13.69910  (20111701)                504271.98
3633725.90       13.04710  (19081924)
        504321.98   3633725.90       11.80664  (21020924)                504371.98
3633725.90       10.51002  (21020924)
        504421.98   3633725.90        9.55754  (21020924)                504471.98
3633725.90        9.25565  (21111005)
        504521.98   3633725.90        8.58643  (19082022)                504571.98
3633725.90        7.85605  (20101121)
        504621.98   3633725.90        7.87061  (20101121)                504671.98
3633725.90        7.69771  (20081802)
        504721.98   3633725.90        7.45264  (20081802)                502721.98
3633775.90        6.97575  (21111004)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 923
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502771.98	3633775.90	7.57490	(21111004)	502821.98	3633775.90	8.17677	(21111004)
502871.98	3633775.90	8.77135	(21111004)	502921.98	3633775.90	9.35587	(21111004)
502971.98	3633775.90	9.88721	(21111004)	503021.98	3633775.90	10.32405	(21111004)
503071.98	3633775.90	10.65013	(21111004)	503121.98	3633775.90	10.82644	(21111004)
503171.98	3633775.90	10.81391	(21111004)	503221.98	3633775.90	10.56939	(21111004)
503271.98	3633775.90	10.06912	(21111004)	503321.98	3633775.90	9.29374	(21111004)
503371.98	3633775.90	9.17108	(19010119)	503421.98	3633775.90	8.95963	(19010119)
503471.98	3633775.90	8.48084	(19010119)	503771.98	3633775.90	29.22097	(20121603)
503821.98	3633775.90	26.66719	(20121603)	503871.98	3633775.90	24.48557	(20092124)
503921.98	3633775.90	23.13078	(20090205)	503971.98	3633775.90	22.19323	(20090205)
504021.98	3633775.90	21.10957	(20090205)	504071.98	3633775.90	18.57516	(20092124)
504121.98	3633775.90	16.67186	(20111701)	504171.98	3633775.90	16.11158	(20111701)
504221.98	3633775.90	14.85055	(20111701)	504271.98	3633775.90	13.81737	(19081924)
504321.98	3633775.90	12.59601	(21020924)	504371.98	3633775.90	11.80200	(21020924)
504421.98	3633775.90	10.94336	(21020924)	504471.98	3633775.90	9.95875	(21111005)
504521.98	3633775.90	9.67862	(19082022)	504571.98	3633775.90	9.14137	(20101121)
504621.98	3633775.90	8.83686	(20082921)	504671.98	3633775.90	8.46430	(20082921)
504721.98	3633775.90	8.05681	(20081802)	502721.98	3633825.90	6.27667	(21111004)
502771.98	3633825.90	6.89567	(21111004)	502821.98	3633825.90	7.54420	(21111004)
502871.98	3633825.90	8.21057	(21111004)	502921.98	3633825.90	8.90311	(21111004)

```
        502971.98   3633825.90        9.57558  (21111004)               503021.98
3633825.90       10.20970  (21111004)
        503071.98   3633825.90       10.78831  (21111004)               503121.98
3633825.90       11.27303  (21111004)
        503171.98   3633825.90       11.62368  (21111004)               503221.98
3633825.90       11.78049  (21111004)
        503271.98   3633825.90       11.68956  (21111004)               503771.98
3633825.90       31.11003  (20121603)
        503821.98   3633825.90       30.30496  (20092124)               503871.98
3633825.90       27.90895  (20092124)
        503921.98   3633825.90       24.56611  (20090205)               503971.98
3633825.90       23.53597  (20090205)
        504021.98   3633825.90       22.49910  (20092124)               504071.98
3633825.90       19.91047  (20092124)
        504121.98   3633825.90       17.58236  (20111701)               504171.98
3633825.90       16.94033  (19081924)
        504221.98   3633825.90       16.12004  (19081924)               504271.98
3633825.90       15.50999  (19081924)
        504321.98   3633825.90       14.75719  (19081924)               504371.98
3633825.90       13.54080  (19081924)
        504421.98   3633825.90       12.13403  (19082022)               504471.98
3633825.90       11.39252  (19082022)
        504521.98   3633825.90       10.51948  (19082022)               504571.98
3633825.90       10.11636  (21090401)
        504621.98   3633825.90        9.58886  (20082921)               504671.98
3633825.90        9.18651  (20082921)
        504721.98   3633825.90        8.99479  (20082921)               502721.98
3633875.90        7.06251  (21012320)
        502771.98   3633875.90        6.89225  (21012320)               502821.98
3633875.90        6.77239  (21111004)
        502871.98   3633875.90        7.45965  (21111004)               502921.98
3633875.90        8.20765  (21111004)
        502971.98   3633875.90        8.95708  (21111004)               503021.98
3633875.90        9.72076  (21111004)
        503071.98   3633875.90       10.48538  (21111004)               503121.98
3633875.90       11.20303  (21111004)
        503171.98   3633875.90       11.86540  (21111004)               503221.98
3633875.90       12.41409  (21111004)
        503271.98   3633875.90       12.78422  (21111004)               503821.98
3633875.90       32.89592  (20121603)
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 924
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
```

INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503871.98	3633875.90	30.99195	(20092124)	503921.98	3633875.90	27.68849	(20092124)
503971.98	3633875.90	26.90715	(20092124)	504021.98	3633875.90	24.38830	(20092124)
504071.98	3633875.90	21.83505	(20092124)	504121.98	3633875.90	19.10413	(19081924)
504171.98	3633875.90	18.11179	(19081924)	504221.98	3633875.90	17.47021	(19081924)
504271.98	3633875.90	16.76363	(19081924)	504321.98	3633875.90	15.58923	(19081924)
504371.98	3633875.90	14.69943	(19081924)	504421.98	3633875.90	13.27380	(19081924)
504471.98	3633875.90	12.07183	(19082022)	504521.98	3633875.90	11.41799	(21090401)
504571.98	3633875.90	11.11147	(21090401)	504621.98	3633875.90	10.49428	(20082921)
504671.98	3633875.90	9.58186	(20082921)	504721.98	3633875.90	9.48002	(20082921)
502721.98	3633925.90	7.99084	(21012320)	502771.98	3633925.90	7.93804	(21012320)
502821.98	3633925.90	7.85564	(21012320)	502871.98	3633925.90	7.74236	(21012320)
502921.98	3633925.90	7.59007	(21012320)	502971.98	3633925.90	8.11450	(21111004)
503021.98	3633925.90	8.93375	(21111004)	503071.98	3633925.90	9.79427	(21111004)
503121.98	3633925.90	10.66833	(21111004)	503171.98	3633925.90	11.54093	(21111004)
503221.98	3633925.90	12.37910	(21111004)	503271.98	3633925.90	13.15074	(21111004)
503821.98	3633925.90	35.20025	(20121603)	503871.98			

```
3633925.90       34.10636  (20092124)
        503921.98   3633925.90       31.26900  (20092124)                503971.98
3633925.90       22.30035  (21063005)
        504021.98   3633925.90       24.50401  (20092124)                504071.98
3633925.90       21.40238  (19081924)
        504121.98   3633925.90       20.67916  (19081924)                504171.98
3633925.90       19.71343  (19081924)
        504221.98   3633925.90       19.05981  (19081924)                504271.98
3633925.90       18.42902  (19081924)
        504321.98   3633925.90       17.85227  (19081924)                504371.98
3633925.90       16.59752  (19081924)
        504421.98   3633925.90       15.52000  (19081924)                504471.98
3633925.90       14.03119  (19081924)
        504521.98   3633925.90       12.34231  (19081924)                504571.98
3633925.90       11.33645  (21090401)
        504621.98   3633925.90       10.49209  (20082921)                504671.98
3633925.90       10.17919  (20082921)
        504721.98   3633925.90        9.78116  (20082921)                502721.98
3633975.90        8.65367  (21012320)
        502771.98   3633975.90        8.70111  (21012320)                502821.98
3633975.90        8.73203  (21012320)
        502871.98   3633975.90        8.77703  (21012320)                502921.98
3633975.90        8.78227  (21012320)
        502971.98   3633975.90        8.71626  (21012320)                503021.98
3633975.90        8.61812  (21012320)
        503071.98   3633975.90        8.84570  (21111004)                503121.98
3633975.90        9.77693  (21111004)
        503171.98   3633975.90       10.75447  (21111004)                503221.98
3633975.90       11.76885  (21111004)
        503271.98   3633975.90       12.80092  (21111004)                503821.98
3633975.90       29.97176  (20121603)
        503871.98   3633975.90       36.24488  (20121603)                503921.98
3633975.90       28.97886  (20121603)
        503971.98   3633975.90       25.24005  (20121603)                504021.98
3633975.90       21.59920  (20121603)
        504071.98   3633975.90       21.80780  (19081924)                504121.98
3633975.90       20.45036  (19081924)
        504171.98   3633975.90       20.08077  (19081924)                504221.98
3633975.90       20.19196  (19081924)
        504271.98   3633975.90       19.57486  (19081924)                504321.98
3633975.90       19.04971  (19081924)
        504371.98   3633975.90       17.95318  (19081924)                504421.98
3633975.90       16.70912  (19081924)
        504471.98   3633975.90       14.76873  (19081924)                504521.98
3633975.90       12.27159  (19081924)
        504571.98   3633975.90       11.46066  (21090401)                504621.98
3633975.90       10.72109  (21090401)
        504671.98   3633975.90       10.09930  (20082921)                504721.98
3633975.90        9.41636  (20081802)
♠ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                   L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                   L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                   L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        504371.98   3634025.90       19.16771  (19081924)                504421.98
3634025.90       16.71319  (19081924)
        504471.98   3634025.90       14.79272  (19081924)                504521.98
3634025.90       13.01103  (19081924)
        504571.98   3634025.90       11.73996  (21090401)                504621.98
3634025.90       10.54102  (21090401)
        504671.98   3634025.90        9.85033  (20081802)                504721.98
3634025.90        9.34378  (20081802)
        502721.98   3634075.90        9.29535  (21012320)                502771.98
3634075.90        9.43787  (21012320)
        502821.98   3634075.90        9.61363  (21012320)                502871.98
3634075.90        9.81596  (21012320)
        502921.98   3634075.90       10.00812  (21012320)                502971.98
3634075.90       10.20364  (21012320)
        503021.98   3634075.90       10.42959  (21012320)                503071.98
3634075.90       10.63974  (21012320)
        503121.98   3634075.90       10.84292  (21012320)                503171.98
3634075.90       11.03920  (21012320)
        503221.98   3634075.90       11.19867  (21012320)                503271.98
3634075.90       11.31636  (21012320)
        503871.98   3634075.90       38.75248  (20121603)                503921.98
3634075.90       41.79601  (20121603)
        503971.98   3634075.90       35.28738  (20121603)                504021.98
3634075.90       30.07242  (20121603)
        504071.98   3634075.90       25.81887  (20121603)                504121.98
3634075.90       21.84609  (20121603)
        504171.98   3634075.90       23.37811  (19081924)                504221.98
3634075.90       22.80342  (19081924)
        504271.98   3634075.90       22.16481  (19081924)                504321.98
3634075.90       21.56770  (19081924)
        504371.98   3634075.90       19.30104  (19081924)                504421.98
3634075.90       17.57252  (19081924)
        504471.98   3634075.90       15.51411  (19081924)                504521.98
3634075.90       13.20405  (19082022)
        504571.98   3634075.90       11.58085  (19082022)                504621.98
3634075.90        9.71663  (20081802)
        504671.98   3634075.90        9.40437  (20081802)                504721.98
3634075.90        9.29476  (20081802)
        502721.98   3634125.90        9.35668  (21012320)                502771.98
3634125.90        9.51254  (21012320)
        502821.98   3634125.90        9.72007  (21012320)                502871.98
3634125.90        9.95724  (21012320)
        502921.98   3634125.90       10.17483  (21012320)                502971.98
3634125.90       10.41587  (21012320)
        503021.98   3634125.90       10.69584  (21012320)                503071.98
3634125.90       10.97716  (21012320)
        503121.98   3634125.90       11.28696  (21012320)                503171.98
3634125.90       11.62522  (21012320)
        503221.98   3634125.90       11.94551  (21012320)                503271.98
3634125.90       12.33225  (21012320)
```

```
        503921.98   3634125.90       52.28772  (20121603)               503971.98
3634125.90       44.06833  (20121603)
        504021.98   3634125.90       36.33606  (20121603)               504071.98
3634125.90       30.75589  (20121603)
        504121.98   3634125.90       26.08804  (20121603)               504171.98
3634125.90       21.68994  (20121603)
        504221.98   3634125.90       22.90074  (20081603)               504271.98
3634125.90       23.15351  (19081924)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 926
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        504321.98   3634125.90       23.02666  (19081924)               504371.98
3634125.90       21.22734  (19081924)
        504421.98   3634125.90       18.64607  (19081924)               504471.98
3634125.90       15.42571  (19081924)
        504521.98   3634125.90       13.51687  (21020924)               504571.98
3634125.90       11.35820  (21020924)
        504621.98   3634125.90        9.54226  (21111005)               504671.98
3634125.90        9.54928  (20081802)
        504721.98   3634125.90        9.22552  (20081802)               502721.98
3634175.90        9.26473  (21012320)
        502771.98   3634175.90        9.48426  (21012320)               502821.98
3634175.90        9.72200  (21012320)
        502871.98   3634175.90        9.97018  (21012320)               502921.98
```

3634175.90 10.19870 (21012320)
502971.98 3634175.90 10.45052 (21012320) 503021.98
3634175.90 10.74324 (21012320)
503071.98 3634175.90 11.03162 (21012320) 503121.98
3634175.90 11.35394 (21012320)
503171.98 3634175.90 11.70023 (21012320) 503221.98
3634175.90 12.06345 (21012320)
503271.98 3634175.90 12.51606 (21012320) 503971.98
3634175.90 60.53720 (20121603)
504021.98 3634175.90 45.98572 (20121603) 504071.98
3634175.90 37.55500 (20121603)
504121.98 3634175.90 31.41838 (20121603) 504171.98
3634175.90 26.20205 (20121603)
504221.98 3634175.90 21.35283 (20121603) 504271.98
3634175.90 23.48152 (20081603)
504321.98 3634175.90 23.84813 (19081924) 504371.98
3634175.90 20.59754 (19081924)
504421.98 3634175.90 16.58806 (19081924) 504471.98
3634175.90 15.28059 (21020924)
504521.98 3634175.90 13.70935 (21020924) 504571.98
3634175.90 10.85576 (21020924)
504621.98 3634175.90 8.90892 (21111005) 504671.98
3634175.90 8.58570 (20081802)
504721.98 3634175.90 7.88915 (20081802) 502721.98
3634225.90 9.12665 (21012320)
502771.98 3634225.90 9.39482 (21012320) 502821.98
3634225.90 9.66342 (21012320)
502871.98 3634225.90 9.92011 (21012320) 502921.98
3634225.90 10.15342 (21012320)
502971.98 3634225.90 10.40908 (21012320) 503021.98
3634225.90 10.69655 (21012320)
503071.98 3634225.90 10.97848 (21012320) 503121.98
3634225.90 11.28241 (21012320)
503171.98 3634225.90 11.60547 (21012320) 503221.98
3634225.90 11.96953 (21012320)
503271.98 3634225.90 12.40127 (21012320) 504071.98
3634225.90 47.98672 (20121603)
504121.98 3634225.90 38.64053 (20121603) 504171.98
3634225.90 31.89717 (20121603)
504221.98 3634225.90 26.07271 (20121603) 504271.98
3634225.90 25.75346 (20081805)
504321.98 3634225.90 25.45524 (19081924) 504371.98
3634225.90 23.02220 (20092124)
504421.98 3634225.90 16.73074 (19081924) 504471.98
3634225.90 15.62573 (19081924)
504521.98 3634225.90 14.04637 (21020924) 504571.98
3634225.90 11.39568 (21020924)
504621.98 3634225.90 9.11580 (21111005) 504671.98
3634225.90 8.22076 (20082921)
504721.98 3634225.90 7.75898 (20082921) 502721.98

3634275.90   8.90825 (21012320)
        502771.98   3634275.90   9.19518 (21012320)   502821.98
3634275.90   9.49999 (21012320)
        502871.98   3634275.90   9.82441 (21012320)   502921.98
3634275.90   10.06554 (21012320)
        502971.98   3634275.90   10.31938 (21012320)   503021.98
3634275.90   10.62390 (21012320)
        503071.98   3634275.90   10.90370 (21012320)   503121.98
3634275.90   11.19189 (21012320)
        503171.98   3634275.90   11.50487 (21012320)   503221.98
3634275.90   11.83975 (21012320)
        503271.98   3634275.90   12.23605 (21012320)   504121.98
3634275.90   49.57348 (20121603)
        504171.98   3634275.90   39.51360 (20121603)   504221.98
3634275.90   33.90145 (20081603)
        504271.98   3634275.90   30.39602 (20082805)   504321.98
3634275.90   29.22649 (19081924)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                                    INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
                   L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
                   L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
                   L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

504571.98 3634275.90 11.16775 (21020924) 504621.98 3634275.90 9.33086 (21111005)
504671.98 3634275.90 8.62611 (20082921) 504721.98 3634275.90 8.12924 (20082921)
502721.98 3634325.90 8.46126 (21012320) 502771.98 3634325.90 8.81023 (21012320)
502821.98 3634325.90 9.14070 (21012320) 502871.98 3634325.90 9.63059 (21012320)
502971.98 3634325.90 10.18141 (21012320) 503021.98 3634325.90 10.50283 (21012320)
503071.98 3634325.90 10.81424 (21012320) 503121.98 3634325.90 11.11140 (21012320)
503171.98 3634325.90 11.42238 (21012320) 503221.98 3634325.90 11.74825 (21012320)
503271.98 3634325.90 12.11079 (21012320) 504171.98 3634325.90 50.77580 (20121603)
504221.98 3634325.90 47.14497 (20092124) 504271.98 3634325.90 37.07505 (20082306)
504321.98 3634325.90 32.75785 (20082306) 504371.98 3634325.90 29.89280 (20082723)
504421.98 3634325.90 24.08038 (20092124) 504471.98 3634325.90 18.65564 (19081924)
504521.98 3634325.90 14.67112 (19081924) 504571.98 3634325.90 11.59330 (21020924)
504621.98 3634325.90 9.86429 (21111005) 504671.98 3634325.90 9.09435 (20082921)
504721.98 3634325.90 8.53991 (20082921) 502721.98 3634375.90 7.93494 (21012320)
502771.98 3634375.90 8.33231 (21012320) 502821.98 3634375.90 8.69989 (21012320)
503021.98 3634375.90 10.25108 (21012320) 503071.98 3634375.90 10.64452 (21012320)
503121.98 3634375.90 10.98025 (21012320) 503171.98 3634375.90 11.30456 (21012320)
503221.98 3634375.90 11.65349 (21012320) 503271.98 3634375.90 12.01402 (21012320)
504221.98 3634375.90 51.34749 (20121603) 504271.98 3634375.90 43.05263 (20082805)
504321.98 3634375.90 34.81278 (20082805) 504371.98 3634375.90 37.91196 (20092124)
504421.98 3634375.90 24.44260 (20092124) 504471.98 3634375.90 17.01134 (19080102)
504521.98 3634375.90 14.03465 (21020924) 504571.98 3634375.90 12.25464 (21111005)
504621.98 3634375.90 10.67803 (21111005) 504671.98 3634375.90 9.62636 (20082921)
504721.98 3634375.90 8.99820 (20082921) 502721.98 3634425.90 7.33821 (21012320)
502771.98 3634425.90 7.74269 (21012320) 502821.98 3634425.90 8.14977 (21012320)

```
        504271.98   3634425.90       53.42792  (20121603)               504321.98
3634425.90       40.86586  (20121603)
        504371.98   3634425.90       45.05370  (20092124)               504421.98
3634425.90       31.73972  (20092124)
        504471.98   3634425.90       19.76878  (19080102)               504521.98
3634425.90       15.44884  (21020924)
        504571.98   3634425.90       13.70701  (21020924)               504621.98
3634425.90       11.96017  (21111005)
        504671.98   3634425.90       10.55989  (20082304)               504721.98
3634425.90        9.72455  (20041201)
        502721.98   3634475.90        6.64260  (21012320)               502771.98
3634475.90        7.09951  (21012320)
        502821.98   3634475.90        7.55212  (21012320)               504321.98
3634475.90       54.72858  (20121603)
        504371.98   3634475.90       40.64399  (20121603)               504421.98
3634475.90       40.76716  (20092124)
        504471.98   3634475.90       32.21821  (20092124)               504521.98
3634475.90       22.14699  (19081924)
        504571.98   3634475.90       19.42997  (19081924)               504621.98
3634475.90       16.84754  (19081924)
        504671.98   3634475.90       13.28432  (20082304)               504721.98
3634475.90       11.22603  (20082304)
        502721.98   3634525.90        5.89056  (19083104)               502771.98
3634525.90        6.23146  (21012320)
        504371.98   3634525.90       55.85291  (20121603)               504421.98
3634525.90       40.68370  (20082303)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 928
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504471.98	3634525.90	43.16244	(20082303)	504521.98	3634525.90	37.04079	(19081924)
504571.98	3634525.90	31.41416	(19081924)	504621.98	3634525.90	25.12396	(19081924)
504671.98	3634525.90	18.24899	(20082303)	504721.98	3634525.90	14.41600	(20082303)
502721.98	3634575.90	6.00781	(19083104)	502771.98	3634575.90	6.10711	(19083104)
504421.98	3634575.90	55.64009	(20121603)	504471.98	3634575.90	41.58379	(20082303)
504521.98	3634575.90	33.65503	(20082303)	504571.98	3634575.90	38.46854	(20082303)
504621.98	3634575.90	31.20265	(20081401)	504671.98	3634575.90	24.60326	(19081924)
504721.98	3634575.90	20.42909	(20082303)	502721.98	3634625.90	6.13915	(19083104)
502771.98	3634625.90	6.24295	(19083104)	502821.98	3634625.90	6.35974	(19083104)
502871.98	3634625.90	6.46795	(19083104)	502921.98	3634625.90	6.57604	(19083104)
502971.98	3634625.90	6.69169	(19083104)	503021.98	3634625.90	6.81304	(19083104)
503071.98	3634625.90	7.17190	(21012320)	503121.98	3634625.90	7.74746	(21012320)
504471.98	3634625.90	56.54367	(20082303)	504521.98	3634625.90	42.33897	(20082303)
504571.98	3634625.90	34.14520	(20082303)	504621.98	3634625.90	28.69745	(20082303)
504671.98	3634625.90	24.84712	(20082303)	504721.98	3634625.90	27.33391	(20081401)
502721.98	3634675.90	6.25349	(19083104)	502771.98	3634675.90	6.37689	(19083104)
502821.98	3634675.90	6.50729	(19083104)	502871.98	3634675.90	6.63090	(19083104)
502921.98	3634675.90	6.75310	(19083104)	502971.98	3634675.90	6.88381	(19083104)
503021.98	3634675.90	7.00647	(19083104)	503071.98	3634675.90	7.13455	(19083104)
503121.98	3634675.90	7.28122	(19083104)	503171.98	3634675.90	7.44150	(19083104)
503221.98	3634675.90	7.79085	(21012320)	503271.98	3634675.90	8.38709	(21012320)
503321.98	3634675.90	9.09383	(21012320)	503371.98	3634675.90	9.84612	(21012320)
503421.98	3634675.90	10.63219	(21012320)	503471.98			

```
3634675.90       11.52779  (21012320)
        503521.98   3634675.90       12.17756  (21012320)                504521.98
3634675.90       57.61314  (20082303)
        504571.98   3634675.90       42.87674  (20082303)                504621.98
3634675.90       34.43237  (20082303)
        504671.98   3634675.90       28.92339  (20082303)                504721.98
3634675.90       25.04032  (20082303)
        502721.98   3634725.90        6.30804  (19083104)                502771.98
3634725.90        6.45318  (19083104)
        502821.98   3634725.90        6.60003  (19083104)                502871.98
3634725.90        6.75651  (19083104)
        502921.98   3634725.90        6.90018  (19083104)                502971.98
3634725.90        7.04750  (19083104)
        503021.98   3634725.90        7.19575  (19083104)                503071.98
3634725.90        7.34096  (19083104)
        503121.98   3634725.90        7.50362  (19083104)                503171.98
3634725.90        7.67284  (19083104)
        503221.98   3634725.90        7.82618  (19083104)                503271.98
3634725.90        7.97691  (19083104)
        503321.98   3634725.90        8.15558  (19083104)                503371.98
3634725.90        8.42131  (21012320)
        503421.98   3634725.90        9.22229  (21012320)                503471.98
3634725.90       10.12824  (21012320)
        503521.98   3634725.90       11.01491  (21012320)                503571.98
3634725.90       11.83214  (21012320)
        503621.98   3634725.90       12.66169  (21012320)                504571.98
3634725.90       58.37505  (20082303)
        504621.98   3634725.90       43.11720  (20082303)                504671.98
3634725.90       34.45980  (20082303)
        504721.98   3634725.90       28.94181  (20082303)                502721.98
3634775.90        6.26409  (19083104)
        502771.98   3634775.90        6.42942  (19083104)                502821.98
3634775.90        6.60549  (19083104)
        502871.98   3634775.90        6.78721  (19083104)                502921.98
3634775.90        6.96212  (19083104)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 929
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
```

```
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502971.98   3634775.90        7.13280  (19083104)               503021.98
3634775.90        7.31784  (19083104)
        503071.98   3634775.90        7.49732  (19083104)               503121.98
3634775.90        7.68135  (19083104)
        503171.98   3634775.90        7.87401  (19083104)               503221.98
3634775.90        8.05071  (19083104)
        503271.98   3634775.90        8.23952  (19083104)               503321.98
3634775.90        8.43771  (19083104)
        503371.98   3634775.90        8.64249  (19083104)               503421.98
3634775.90        8.86567  (19083104)
        503471.98   3634775.90        9.12073  (19083104)               503521.98
3634775.90        9.34714  (19083104)
        503571.98   3634775.90       10.18038  (21012320)               503621.98
3634775.90       11.18516  (21012320)
        503671.98   3634775.90       12.27903  (21012320)               503721.98
3634775.90       13.38304  (21012320)
        503771.98   3634775.90       14.47976  (21012320)               503821.98
3634775.90       15.44405  (21012320)
        504621.98   3634775.90       58.13108  (20082303)               504671.98
3634775.90       42.76984  (20082303)
        504721.98   3634775.90       34.26855  (20082303)               502721.98
3634825.90        6.08739  (19083104)
        502771.98   3634825.90        6.28383  (19083104)               502821.98
3634825.90        6.47973  (19083104)
        502871.98   3634825.90        6.67803  (19083104)               502921.98
3634825.90        6.89009  (19083104)
        502971.98   3634825.90        7.09524  (19083104)               503021.98
3634825.90        7.31044  (19083104)
        503071.98   3634825.90        7.51766  (19083104)               503121.98
3634825.90        7.74424  (19083104)
        503171.98   3634825.90        7.95784  (19083104)               503221.98
3634825.90        8.18501  (19083104)
        503271.98   3634825.90        8.41948  (19083104)               503321.98
3634825.90        8.66671  (19083104)
        503371.98   3634825.90        8.94064  (19083104)               503421.98
3634825.90        9.20884  (19083104)
```

```
        503471.98   3634825.90        9.47706  (19083104)               503521.98
3634825.90        9.74159  (19083104)
        503571.98   3634825.90       10.00277  (19083104)               503621.98
3634825.90       10.30097  (19083104)
        503671.98   3634825.90       10.61157  (19083104)               503721.98
3634825.90       11.37210  (21012320)
        503771.98   3634825.90       12.58327  (21012320)               503821.98
3634825.90       13.89759  (21012320)
        503871.98   3634825.90       15.30117  (21012320)               503921.98
3634825.90       16.75067  (21012320)
        504671.98   3634825.90       54.69085  (20082303)               504721.98
3634825.90       41.31112  (20082303)
        502721.98   3634875.90        5.76657  (19083104)               502771.98
3634875.90        5.97575  (19083104)
        502821.98   3634875.90        6.18978  (19083104)               502871.98
3634875.90        6.40480  (19083104)
        502921.98   3634875.90        6.64077  (19083104)               502971.98
3634875.90        6.87558  (19083104)
        503021.98   3634875.90        7.11941  (19083104)               503071.98
3634875.90        7.36575  (19083104)
        503121.98   3634875.90        7.62338  (19083104)               503171.98
3634875.90        7.86780  (19083104)
        503221.98   3634875.90        8.14469  (19083104)               503271.98
3634875.90        8.44984  (19083104)
        503321.98   3634875.90        8.75519  (19083104)               503371.98
3634875.90        9.05450  (19083104)
        503421.98   3634875.90        9.36889  (19083104)               503471.98
3634875.90        9.70045  (19083104)
        503521.98   3634875.90       10.02515  (19083104)               503571.98
3634875.90       10.36175  (19083104)
        503621.98   3634875.90       10.70596  (19083104)               503671.98
3634875.90       11.07066  (19083104)
        503721.98   3634875.90       11.45589  (19083104)               503771.98
3634875.90       11.84608  (19083104)
        503821.98   3634875.90       12.25827  (19083104)               503871.98
3634875.90       12.86450  (21012320)
        503921.98   3634875.90       14.49654  (21012320)               504721.98
3634875.90       50.49408  (20082303)
        502721.98   3634925.90        5.31104  (19083104)               502771.98
3634925.90        5.52068  (19083104)
        502821.98   3634925.90        5.74291  (19083104)               502871.98
3634925.90        5.96687  (19083104)
        502921.98   3634925.90        6.21138  (19083104)               502971.98
3634925.90        6.46177  (19083104)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503021.98	3634925.90	6.72208	(19083104)	503071.98	3634925.90	6.99160	(19083104)
503121.98	3634925.90	7.27463	(19083104)	503171.98	3634925.90	7.56701	(19083104)
503221.98	3634925.90	7.87942	(19083104)	503271.98	3634925.90	8.20624	(19083104)
503321.98	3634925.90	8.54542	(19083104)	503371.98	3634925.90	8.89810	(19083104)
503421.98	3634925.90	9.26730	(19083104)	503471.98	3634925.90	9.64884	(19083104)
503521.98	3634925.90	10.04201	(19083104)	503571.98	3634925.90	10.44752	(19083104)
503621.98	3634925.90	10.86661	(19083104)	503671.98	3634925.90	11.31188	(19083104)
503721.98	3634925.90	11.80774	(19083104)	503771.98	3634925.90	12.29531	(19083104)
503821.98	3634925.90	12.80600	(19083104)	503871.98	3634925.90	13.88298	(21011719)
502721.98	3634975.90	4.74544	(19083104)	502771.98	3634975.90	4.94528	(19083104)
502821.98	3634975.90	5.16033	(19083104)	502871.98	3634975.90	5.38794	(19083104)
502921.98	3634975.90	5.63138	(19083104)	502971.98	3634975.90	5.86611	(19083104)
503021.98	3634975.90	6.12980	(19083104)	503071.98	3634975.90	6.40902	(19083104)
503121.98	3634975.90	6.70238	(19083104)	503171.98			

```
3634975.90        6.98620  (19083104)
        503221.98   3634975.90        7.30439  (19083104)                503271.98
3634975.90        7.65179  (19083104)
        503321.98   3634975.90        8.01121  (19083104)                503371.98
3634975.90        8.39504  (19083104)
        503421.98   3634975.90        8.82082  (19083104)                503471.98
3634975.90        9.23643  (19083104)
        503521.98   3634975.90        9.68597  (19083104)                503571.98
3634975.90       10.14703  (19083104)
        503621.98   3634975.90       10.62877  (19083104)                503671.98
3634975.90       11.14559  (19083104)
        503721.98   3634975.90       11.75000  (19083104)                503771.98
3634975.90       12.01134  (19012720)
        503821.98   3634975.90       12.53312  (21011719)                503871.98
3634975.90       25.11576  (20050501)
        502721.98   3635025.90        4.84907  (21021102)                502771.98
3635025.90        4.93988  (21021102)
        502821.98   3635025.90        5.03181  (21021102)                502871.98
3635025.90        5.12832  (21021102)
        502921.98   3635025.90        5.22508  (21021102)                502971.98
3635025.90        5.32891  (21021102)
        503021.98   3635025.90        5.43993  (21021102)                503071.98
3635025.90        5.66809  (19083104)
        503121.98   3635025.90        5.94661  (19083104)                503171.98
3635025.90        6.23096  (19083104)
        503221.98   3635025.90        6.54456  (19083104)                503271.98
3635025.90        6.87959  (19083104)
        503321.98   3635025.90        7.23599  (19083104)                503371.98
3635025.90        7.61903  (19083104)
        503421.98   3635025.90        8.03502  (19083104)                503471.98
3635025.90        8.46236  (19083104)
        503521.98   3635025.90        8.92123  (19083104)                503571.98
3635025.90        9.41089  (19083104)
        503621.98   3635025.90        9.93458  (19083104)                503671.98
3635025.90       10.50715  (19083104)
        503721.98   3635025.90       11.15371  (21011719)                503771.98
3635025.90       11.71358  (19012720)
        503821.98   3635025.90       16.56738  (19033003)                504371.98
3635025.90       23.01436  (19083104)
        502721.98   3635075.90        5.03847  (21021102)                502771.98
3635075.90        5.13564  (21021102)
        502821.98   3635075.90        5.23463  (21021102)                502871.98
3635075.90        5.33009  (21021102)
        502921.98   3635075.90        5.43843  (21021102)                502971.98
3635075.90        5.55264  (21021102)
        503021.98   3635075.90        5.66516  (21021102)                503071.98
3635075.90        5.79175  (21021102)
        503121.98   3635075.90        5.92036  (21021102)                503171.98
3635075.90        6.04923  (21021102)
        503221.98   3635075.90        6.19508  (21021102)                503271.98
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                  L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                  L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                  L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503421.98   3635075.90   6.97647 (19083104)   503471.98
3635075.90   7.38035 (19083104)
        503521.98   3635075.90   7.81636 (19083104)   503571.98
3635075.90   8.28661 (19083104)
        503621.98   3635075.90   8.79507 (19083104)   503671.98
3635075.90   9.36126 (19083104)
        503721.98   3635075.90   9.78081 (20042421)   503771.98
3635075.90   11.11244 (21011719)
        503821.98   3635075.90   22.92659 (20041524)   504371.98
3635075.90   23.66674 (19083104)
        504421.98   3635075.90   25.53200 (19083104)   504471.98
3635075.90   27.64106 (19083104)
        504521.98   3635075.90   29.38348 (19083104)   502721.98
3635125.90   5.28820 (21021102)
        502771.98   3635125.90   5.39626 (21021102)   502821.98
3635125.90   5.50751 (21021102)
        502871.98   3635125.90   5.61756 (21021102)   502921.98
3635125.90   5.72504 (21021102)

```
        502971.98   3635125.90        5.84866  (21021102)              503021.98
3635125.90        5.98044  (21021102)
        503071.98   3635125.90        6.12282  (21021102)              503121.98
3635125.90        6.26617  (21021102)
        503171.98   3635125.90        6.41452  (21021102)              503221.98
3635125.90        6.58074  (21021102)
        503271.98   3635125.90        6.74409  (21021102)              503321.98
3635125.90        6.92657  (21021102)
        503371.98   3635125.90        7.11567  (21021102)              503421.98
3635125.90        7.30559  (21021102)
        503471.98   3635125.90        7.52193  (21021102)              503521.98
3635125.90        7.75208  (21021102)
        503571.98   3635125.90        8.02210  (21021102)              503621.98
3635125.90        8.27589  (21021102)
        503671.98   3635125.90        8.57931  (21021102)              503721.98
3635125.90       10.36780  (21011719)
        503771.98   3635125.90       13.55636  (20041524)              503821.98
3635125.90       22.56225  (20041524)
        504371.98   3635125.90       22.23466  (19083104)              504421.98
3635125.90       24.53835  (19083104)
        504471.98   3635125.90       26.87899  (19083104)              504521.98
3635125.90       29.53425  (19083104)
        504571.98   3635125.90       32.33714  (19083104)              502721.98
3635175.90        5.56979  (21021102)
        502771.98   3635175.90        5.69496  (21021102)              502821.98
3635175.90        5.81959  (21021102)
        502871.98   3635175.90        5.94892  (21021102)              502921.98
3635175.90        6.06705  (21021102)
        502971.98   3635175.90        6.20564  (21021102)              503021.98
3635175.90        6.35791  (21021102)
        503071.98   3635175.90        6.51273  (21021102)              503121.98
3635175.90        6.67097  (21021102)
        503171.98   3635175.90        6.83753  (21021102)              503221.98
3635175.90        7.02553  (21021102)
        503271.98   3635175.90        7.21128  (21021102)              503321.98
3635175.90        7.41981  (21021102)
        503371.98   3635175.90        7.63032  (21021102)              503421.98
3635175.90        7.83169  (21021102)
        503471.98   3635175.90        8.10548  (21021102)              503521.98
3635175.90        8.35663  (21021102)
        503571.98   3635175.90        8.66223  (21021102)              503621.98
3635175.90        8.95556  (21021102)
        503671.98   3635175.90        9.20597  (21021102)              503721.98
3635175.90       11.40538  (21101322)
        503771.98   3635175.90       20.60425  (21101322)              503821.98
3635175.90       24.68737  (21101322)
        504371.98   3635175.90       18.63020  (19083104)              504421.98
3635175.90       20.71202  (19083104)
        504471.98   3635175.90       23.01539  (19083104)              504521.98
3635175.90       25.75031  (19083104)
```

```
        504571.98   3635175.90       29.10470  (19083104)                504621.98
3635175.90       32.11181  (19083104)
        502721.98   3635225.90        5.83918  (21021102)                502771.98
3635225.90        5.96865  (21021102)
        502821.98   3635225.90        6.10548  (21021102)                502871.98
3635225.90        6.25001  (21021102)
        502921.98   3635225.90        6.39930  (21021102)                502971.98
3635225.90        6.55219  (21021102)
        503021.98   3635225.90        6.71332  (21021102)                503071.98
3635225.90        6.88140  (21021102)
        503121.98   3635225.90        7.05583  (21021102)                503171.98
3635225.90        7.24036  (21021102)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 932
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                 L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                 L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                 L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        503221.98   3635225.90        7.43494  (21021102)                503271.98
3635225.90        7.63887  (21021102)
        503321.98   3635225.90        7.85625  (21021102)                503371.98
3635225.90        8.09127  (21021102)
        503421.98   3635225.90        8.34124  (21021102)                503471.98
3635225.90        8.61920  (21021102)
        503521.98   3635225.90        8.94645  (21021102)                503571.98
3635225.90        9.28399  (21021102)
        503621.98   3635225.90        9.50318  (21021102)                503671.98
```

```
3635225.90        9.62910  (21021102)
        504371.98   3635225.90       18.94773  (21021102)                504421.98
3635225.90       20.26194  (21021102)
        504471.98   3635225.90       21.78683  (21021102)                504521.98
3635225.90       23.55543  (21021102)
        504571.98   3635225.90       25.76674  (21021102)                504621.98
3635225.90       28.08115  (21021102)
        502721.98   3635275.90        6.04640  (21021102)                502771.98
3635275.90        6.19083  (21021102)
        502821.98   3635275.90        6.33684  (21021102)                502871.98
3635275.90        6.48470  (21021102)
        502921.98   3635275.90        6.64561  (21021102)                502971.98
3635275.90        6.80785  (21021102)
        503021.98   3635275.90        6.98534  (21021102)                503071.98
3635275.90        7.16853  (21021102)
        503121.98   3635275.90        7.36029  (21021102)                503171.98
3635275.90        7.56176  (21021102)
        503221.98   3635275.90        7.74474  (21021102)                503271.98
3635275.90        7.96949  (21021102)
        503321.98   3635275.90        8.19872  (21021102)                503371.98
3635275.90        8.45723  (21021102)
        503421.98   3635275.90        8.71398  (21021102)                503471.98
3635275.90        8.99927  (21021102)
        503521.98   3635275.90        9.29589  (21021102)                503571.98
3635275.90        9.67923  (21021102)
        503621.98   3635275.90       10.06328  (21021102)                504371.98
3635275.90       20.03172  (21021102)
        504421.98   3635275.90       21.39992  (21021102)                504471.98
3635275.90       22.86184  (21021102)
        504521.98   3635275.90       24.55546  (21021102)                504571.98
3635275.90       26.53876  (21021102)
        504621.98   3635275.90       28.90250  (21021102)                504671.98
3635275.90       31.17460  (21021102)
        502721.98   3635325.90        6.12857  (21021102)                502771.98
3635325.90        6.27163  (21021102)
        502821.98   3635325.90        6.41732  (21021102)                502871.98
3635325.90        6.56844  (21021102)
        502921.98   3635325.90        6.72850  (21021102)                502971.98
3635325.90        6.89145  (21021102)
        503021.98   3635325.90        7.06847  (21021102)                503071.98
3635325.90        7.25091  (21021102)
        503121.98   3635325.90        7.44316  (21021102)                503171.98
3635325.90        7.64387  (21021102)
        503221.98   3635325.90        7.82712  (21021102)                503271.98
3635325.90        8.04989  (21021102)
        503321.98   3635325.90        8.28214  (21021102)                503371.98
3635325.90        8.53563  (21021102)
        503421.98   3635325.90        8.79578  (21021102)                503471.98
3635325.90        9.07175  (21021102)
        503521.98   3635325.90        9.34991  (21021102)                503571.98
```

3635325.90   9.69144 (21021102)
        503621.98   3635325.90   10.07079 (21021102)   504371.98
3635325.90   18.92557 (21021102)
        504421.98   3635325.90   19.95850 (21021102)   504471.98
3635325.90   21.07632 (21021102)
        504521.98   3635325.90   22.25761 (21021102)   504571.98
3635325.90   23.56471 (21021102)
        504621.98   3635325.90   25.13056 (21021102)   504671.98
3635325.90   26.84046 (21021102)
        504721.98   3635325.90   28.14647 (21021102)   502721.98
3635375.90   6.04844 (21021102)
        502771.98   3635375.90   6.18377 (21021102)   502821.98
3635375.90   6.28765 (21021102)
        502871.98   3635375.90   6.43158 (21021102)   502921.98
3635375.90   6.62130 (21021102)
        502971.98   3635375.90   6.75969 (21021102)   503021.98
3635375.90   6.93395 (21021102)
        503071.98   3635375.90   7.10830 (21021102)   503121.98
3635375.90   7.26772 (21021102)
        503171.98   3635375.90   7.44688 (21021102)   503221.98
3635375.90   7.61479 (21021102)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                                 INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
                 L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
                 L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
                 L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        503271.98   3635375.90        7.81524  (21021102)              503321.98
3635375.90        8.02718  (21021102)
        503371.98   3635375.90        8.24970  (21021102)              503421.98
3635375.90        8.47812  (21021102)
        503471.98   3635375.90        8.71703  (21021102)              503521.98
3635375.90        8.96659  (21021102)
        503571.98   3635375.90        9.25433  (21021102)              503621.98
3635375.90        9.55250  (21021102)
        503671.98   3635375.90        9.78669  (21021102)              503721.98
3635375.90       10.30704  (21021102)
        504371.98   3635375.90       16.05267  (21021102)              504421.98
3635375.90       16.66891  (21021102)
        504471.98   3635375.90       17.29392  (21021102)              504521.98
3635375.90       17.96076  (21021102)
        504571.98   3635375.90       18.64002  (21021102)              504621.98
3635375.90       19.45408  (21021102)
        504671.98   3635375.90       20.55675  (19050903)              504721.98
3635375.90       21.84577  (19050903)
        502721.98   3635425.90        5.78558  (21021102)              502771.98
3635425.90        5.84853  (21021102)
        502821.98   3635425.90        5.97281  (21011719)              502871.98
3635425.90        6.07504  (21021102)
        502921.98   3635425.90        6.20241  (21021102)              502971.98
3635425.90        6.34447  (21021102)
        503021.98   3635425.90        6.48617  (21021102)              503071.98
3635425.90        6.64606  (21021102)
        503121.98   3635425.90        6.81086  (21021102)              503171.98
3635425.90        6.95999  (21021102)
        503221.98   3635425.90        7.11169  (21021102)              503271.98
3635425.90        7.28245  (21021102)
        503321.98   3635425.90        7.44790  (21021102)              503371.98
3635425.90        7.61868  (21021102)
        503421.98   3635425.90        7.79667  (21021102)              503471.98
3635425.90        7.98731  (21021102)
        503521.98   3635425.90        8.18521  (21021102)              503571.98
3635425.90        8.39007  (21021102)
        503621.98   3635425.90        8.60228  (21021102)              503671.98
3635425.90        8.75292  (21021102)
        503721.98   3635425.90        8.84758  (21021102)              503771.98
3635425.90        9.04703  (20101023)
        503821.98   3635425.90        9.59487  (20101023)              504371.98
3635425.90       13.90014  (19050903)
        504421.98   3635425.90       14.65966  (19050903)              504471.98
3635425.90       15.41386  (19050903)
        504521.98   3635425.90       16.13432  (19050903)              504571.98
3635425.90       16.87781  (19050903)
        504621.98   3635425.90       17.69419  (19050903)              504671.98
3635425.90       18.46406  (19050903)
        504721.98   3635425.90       19.20729  (19050903)              502721.98
3635475.90        5.32171  (21021102)
```

```
        502771.98   3635475.90        5.68058  (21011719)               502821.98
3635475.90        5.72093  (21011719)
        502871.98   3635475.90        5.75413  (21011719)               502921.98
3635475.90        5.66524  (21021102)
        502971.98   3635475.90        5.75212  (21021102)               503021.98
3635475.90        5.85647  (21021102)
        503071.98   3635475.90        6.02745  (21021102)               503121.98
3635475.90        6.12107  (21021102)
        503171.98   3635475.90        6.22959  (21021102)               503221.98
3635475.90        6.34330  (21021102)
        503271.98   3635475.90        6.45999  (21021102)               503321.98
3635475.90        6.57610  (21021102)
        503371.98   3635475.90        6.69223  (21021102)               503421.98
3635475.90        6.81187  (21021102)
        503471.98   3635475.90        6.93688  (21021102)               503521.98
3635475.90        7.06408  (21021102)
        503571.98   3635475.90        7.19510  (21021102)               503621.98
3635475.90        7.32429  (21021102)
        503671.98   3635475.90        7.46287  (21021102)               503721.98
3635475.90        7.65905  (19050903)
        503771.98   3635475.90        8.41190  (20101023)               503821.98
3635475.90        8.71390  (20101023)
        503871.98   3635475.90        8.83527  (20101023)               503921.98
3635475.90        9.18368  (19031924)
        504371.98   3635475.90       13.26062  (19050903)               504421.98
3635475.90       13.77031  (19050903)
        504471.98   3635475.90       14.26773  (19050903)               504521.98
3635475.90       14.68024  (19050903)
        504571.98   3635475.90       15.12761  (19050903)               504621.98
3635475.90       15.72593  (21011719)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 934
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                 L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                 L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                 L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504671.98	3635475.90	16.87616	(21011719)	504721.98	3635475.90	18.13863	(21011719)
502221.98	3632975.90	3.77365	(19010119)	502271.98	3632975.90	3.81466	(19010119)
502321.98	3632975.90	3.82456	(19010119)	502371.98	3632975.90	3.80127	(19010119)
502421.98	3632975.90	3.74249	(19010119)	502471.98	3632975.90	3.64811	(19010119)
502521.98	3632975.90	3.51491	(19010119)	502571.98	3632975.90	3.35484	(19010119)
502621.98	3632975.90	3.16884	(19010119)	502671.98	3632975.90	2.96193	(19010119)
502721.98	3632975.90	2.95691	(21030103)	502771.98	3632975.90	3.71515	(21030103)
502821.98	3632975.90	4.61044	(21030103)	502871.98	3632975.90	15.24827	(20122620)
502921.98	3632975.90	16.32513	(20122620)	502971.98	3632975.90	14.13605	(21110905)
503021.98	3632975.90	15.28658	(21030103)	503071.98	3632975.90	18.93382	(21030103)
503121.98	3632975.90	17.16213	(21030103)	503171.98	3632975.90	14.25152	(21031822)
503221.98	3632975.90	13.88707	(20121603)	503271.98	3632975.90	14.61132	(20121603)
503321.98	3632975.90	14.48164	(20121603)	503371.98	3632975.90	13.68105	(20092124)
503421.98	3632975.90	14.00516	(20092124)	503471.98	3632975.90	14.30015	(20090205)
503621.98	3632975.90	13.86106	(20090205)	503671.98	3632975.90	12.77413	(20090205)
503721.98	3632975.90	11.28568	(20090205)	503771.98	3632975.90	9.52689	(20090723)
503821.98	3632975.90	8.01260	(19080102)	503871.98	3632975.90	6.40913	(19080102)
503921.98	3632975.90	6.09849	(20111701)	503971.98	3632975.90	5.55037	(20111701)
504021.98	3632975.90	5.40718	(21110603)	504071.98	3632975.90	5.28408	(21110603)
504121.98	3632975.90	5.18712	(21111005)	504171.98	3632975.90	5.12297	(21111005)
504221.98	3632975.90	4.99408	(21111005)	504271.98			

```
3632975.90        4.80478  (19110606)
        504321.98   3632975.90        4.69307  (19101521)                504371.98
3632975.90        4.44716  (19101521)
        504421.98   3632975.90        4.29688  (20091518)                504471.98
3632975.90        4.28335  (20091518)
        504521.98   3632975.90        4.23224  (20091518)                504571.98
3632975.90        4.12430  (20091518)
        504621.98   3632975.90        4.00052  (20082921)                504671.98
3632975.90        3.98485  (20082921)
        504721.98   3632975.90        3.92297  (20082921)                504771.98
3632975.90        3.80963  (20082921)
        504821.98   3632975.90        3.65347  (20082921)                504871.98
3632975.90        3.47016  (20082921)
        504921.98   3632975.90        3.36546  (20022622)                504971.98
3632975.90        3.31638  (20022622)
        505021.98   3632975.90        3.24151  (21013120)                505071.98
3632975.90        3.17988  (21013120)
        505121.98   3632975.90        3.12201  (21120822)                505171.98
3632975.90        3.09059  (21120822)
        505221.98   3632975.90        3.05983  (21120822)                502221.98
3633025.90        4.17012  (21111004)
        502271.98   3633025.90        3.93661  (21111004)                502321.98
3633025.90        3.95445  (19010119)
        502371.98   3633025.90        3.97895  (19010119)                502421.98
3633025.90        3.96675  (19010119)
        502471.98   3633025.90        3.91067  (19010119)                502521.98
3633025.90        3.81930  (19010119)
        502571.98   3633025.90        3.69066  (19010119)                502621.98
3633025.90        3.52885  (19010119)
        502671.98   3633025.90        3.33464  (19010119)                502721.98
3633025.90        3.11590  (19010119)
        502771.98   3633025.90        3.13800  (21030103)                502821.98
3633025.90        5.09658  (20122620)
        502871.98   3633025.90       11.97390  (20122620)                502921.98
3633025.90       16.11242  (20122620)
        502971.98   3633025.90       14.53620  (21110905)                503021.98
3633025.90       14.90800  (21110905)
        503071.98   3633025.90       18.39206  (21030103)                503121.98
3633025.90       15.39516  (21030103)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 935
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
```

```
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
        503171.98   3633025.90       13.80061  (21030103)                503221.98
3633025.90       12.84666  (20121603)
        503271.98   3633025.90       14.44879  (20121603)                503321.98
3633025.90       14.86639  (20121603)
        503371.98   3633025.90       14.56691  (20121603)                503421.98
3633025.90       14.11360  (20121603)
        503471.98   3633025.90       14.59326  (21063005)                503621.98
3633025.90       14.53841  (20090205)
        503671.98   3633025.90       13.57373  (20090205)                503721.98
3633025.90       12.26936  (20090205)
        503771.98   3633025.90        9.66121  (20090205)                503821.98
3633025.90        7.78648  (19080102)
        503871.98   3633025.90        6.54525  (20111701)                503921.98
3633025.90        6.37061  (20111701)
        503971.98   3633025.90        5.90618  (20111701)                504021.98
3633025.90        5.53345  (21110603)
        504071.98   3633025.90        5.43623  (21110603)                504121.98
3633025.90        5.29592  (21111005)
        504171.98   3633025.90        5.23839  (21111005)                504221.98
3633025.90        5.12762  (21111005)
        504271.98   3633025.90        4.94727  (19110606)                504321.98
3633025.90        4.80865  (19101521)
        504371.98   3633025.90        4.57829  (19101521)                504421.98
3633025.90        4.37502  (20091518)
        504471.98   3633025.90        4.36346  (20091518)                504521.98
3633025.90        4.31106  (20091518)
        504571.98   3633025.90        4.20307  (20091518)                504621.98
3633025.90        4.07936  (20082921)
        504671.98   3633025.90        4.06189  (20082921)                504721.98
3633025.90        3.99600  (20082921)
        504771.98   3633025.90        3.87658  (20082921)                504821.98
3633025.90        3.71364  (20082921)
```

```
        504871.98   3633025.90        3.52310  (20082921)                504921.98
3633025.90        3.42160  (20022622)
        504971.98   3633025.90        3.36508  (20022622)                505021.98
3633025.90        3.28903  (21013120)
        505071.98   3633025.90        3.22001  (21013120)                505121.98
3633025.90        3.17244  (21120822)
        505171.98   3633025.90        3.13979  (21120822)                505221.98
3633025.90        3.10756  (21120822)
        502221.98   3633075.90        4.65618  (21111004)                502271.98
3633075.90        4.45866  (21111004)
        502321.98   3633075.90        4.21381  (21111004)                502371.98
3633075.90        4.10712  (19010119)
        502421.98   3633075.90        4.14410  (19010119)                502471.98
3633075.90        4.13510  (19010119)
        502521.98   3633075.90        4.09096  (19010119)                502571.98
3633075.90        4.00734  (19010119)
        502621.98   3633075.90        3.87969  (19010119)                502671.98
3633075.90        3.70919  (19010119)
        502721.98   3633075.90        3.51079  (19010119)                502771.98
3633075.90        3.27962  (19010119)
        502821.98   3633075.90        3.33559  (21030103)                502871.98
3633075.90        6.95395  (20122620)
        502921.98   3633075.90       13.02269  (20122620)                502971.98
3633075.90       17.42587  (20122620)
        503021.98   3633075.90       17.92978  (20122620)                503071.98
3633075.90       16.83401  (20122620)
        503121.98   3633075.90       14.77182  (21030103)                503171.98
3633075.90       13.98172  (21030103)
        503221.98   3633075.90       11.85166  (21030103)                503271.98
3633075.90       13.85794  (20121603)
        503321.98   3633075.90       15.36771  (20121603)                503371.98
3633075.90       15.78536  (20121603)
        503421.98   3633075.90       15.53669  (20121603)                503471.98
3633075.90       14.71630  (21063005)
        503621.98   3633075.90       15.04133  (20090205)                503671.98
3633075.90       14.08816  (20090205)
        503721.98   3633075.90       12.88079  (20090205)                503771.98
3633075.90       10.00965  (20090205)
        503821.98   3633075.90        7.64316  (19080102)                503871.98
3633075.90        6.71915  (20102407)
        503921.98   3633075.90        6.60921  (20111701)                503971.98
3633075.90        6.24372  (20111701)
        504021.98   3633075.90        5.66277  (21110603)                504071.98
3633075.90        5.59168  (21110603)
        504121.98   3633075.90        5.41536  (21111005)                504171.98
3633075.90        5.36561  (21111005)
        504221.98   3633075.90        5.26653  (21111005)                504271.98
3633075.90        5.08903  (19110606)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
```

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3633075.90	4.92706	(19101521)	504371.98	3633075.90	4.71359	(19101521)
504421.98	3633075.90	4.46131	(20091518)	504471.98	3633075.90	4.44591	(20091518)
504521.98	3633075.90	4.39425	(20091518)	504571.98	3633075.90	4.28731	(20091518)
504621.98	3633075.90	4.15874	(20082921)	504671.98	3633075.90	4.13944	(20082921)
504721.98	3633075.90	4.06961	(20082921)	504771.98	3633075.90	3.94596	(20082921)
504821.98	3633075.90	3.77556	(20082921)	504871.98	3633075.90	3.57864	(20082921)
504921.98	3633075.90	3.47909	(20022622)	504971.98	3633075.90	3.41470	(20022622)
505021.98	3633075.90	3.33779	(21013120)	505071.98	3633075.90	3.26088	(21013120)
505121.98	3633075.90	3.22522	(21120822)	505171.98	3633075.90	3.19171	(21120822)
505221.98	3633075.90	3.15974	(21120822)	502221.98	3633125.90	5.10520	(21111004)
502271.98	3633125.90	4.95414	(21111004)	502321.98	3633125.90	4.75458	(21111004)
502371.98	3633125.90	4.51157	(21111004)	502421.98			

```
3633125.90        4.26284  (19010119)
        502471.98   3633125.90        4.31174  (19010119)                502521.98
3633125.90        4.32153  (19010119)
        502571.98   3633125.90        4.28694  (19010119)                502621.98
3633125.90        4.20582  (19010119)
        502671.98   3633125.90        4.08119  (19010119)                502721.98
3633125.90        3.90927  (19010119)
        502771.98   3633125.90        3.70227  (19010119)                502821.98
3633125.90        3.45824  (19010119)
        502871.98   3633125.90        3.55153  (21030103)                502921.98
3633125.90        5.78901  (20122620)
        502971.98   3633125.90       13.48555  (20122620)                503021.98
3633125.90       17.25231  (20122620)
        503071.98   3633125.90       16.20629  (20122620)                503121.98
3633125.90       13.41446  (21030103)
        503171.98   3633125.90       13.08140  (21030103)                503221.98
3633125.90       12.00664  (21030103)
        503271.98   3633125.90       12.76279  (20121603)                503321.98
3633125.90       14.65372  (20121603)
        503371.98   3633125.90       16.44059  (20121603)                503421.98
3633125.90       16.87795  (20121603)
        503471.98   3633125.90       15.33438  (20121603)                503621.98
3633125.90       15.30207  (20090205)
        503671.98   3633125.90       14.17240  (20090205)                503721.98
3633125.90       13.13392  (20090205)
        503771.98   3633125.90        9.82164  (20090205)                503821.98
3633125.90        7.49659  (19080102)
        503871.98   3633125.90        7.02451  (20102407)                503921.98
3633125.90        6.80973  (20111701)
        503971.98   3633125.90        6.55942  (20111701)                504021.98
3633125.90        5.99833  (20111701)
        504071.98   3633125.90        5.74468  (21110603)                504121.98
3633125.90        5.59794  (21110603)
        504171.98   3633125.90        5.50088  (21111005)                504221.98
3633125.90        5.41469  (21111005)
        504271.98   3633125.90        5.25245  (21111005)                504321.98
3633125.90        5.04580  (19101521)
        504371.98   3633125.90        4.85541  (19101521)                504421.98
3633125.90        4.55437  (20091518)
        504471.98   3633125.90        4.53663  (20091518)                504521.98
3633125.90        4.48485  (20091518)
        504571.98   3633125.90        4.37689  (20091518)                504621.98
3633125.90        4.24436  (20082921)
        504671.98   3633125.90        4.22311  (20082921)                504721.98
3633125.90        4.14856  (20082921)
        504771.98   3633125.90        4.01806  (20082921)                504821.98
3633125.90        3.84004  (20082921)
        504871.98   3633125.90        3.63705  (20082921)                504921.98
3633125.90        3.53785  (20022622)
        504971.98   3633125.90        3.46582  (20022622)                505021.98
```

```
3633125.90        3.38733  (21013120)
        505071.98   3633125.90        3.31513  (21120822)                505121.98
3633125.90        3.28054  (21120822)
        505171.98   3633125.90        3.24688  (21120822)                505221.98
3633125.90        3.21375  (21120822)
        502221.98   3633175.90        5.47787  (21111004)                502271.98
3633175.90        5.39113  (21111004)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 937
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                 L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                 L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                 L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        502321.98   3633175.90        5.25418  (21111004)                502371.98
3633175.90        5.07294  (21111004)
        502421.98   3633175.90        4.83829  (21111004)                502471.98
3633175.90        4.55228  (21111004)
        502521.98   3633175.90        4.49823  (19010119)                502571.98
3633175.90        4.52530  (19010119)
        502621.98   3633175.90        4.50267  (19010119)                502671.98
3633175.90        4.43155  (19010119)
        502721.98   3633175.90        4.31016  (19010119)                502771.98
3633175.90        4.13362  (19010119)
        502821.98   3633175.90        3.91164  (19010119)                502871.98
3633175.90        3.65131  (19010119)
        502921.98   3633175.90        3.78945  (21030103)                502971.98
3633175.90        4.81959  (21030103)
```

503021.98 3633175.90 8.18922 (20122620) 503071.98 3633175.90 8.07805 (21030103)
503121.98 3633175.90 11.08162 (21030103) 503171.98 3633175.90 8.97616 (21030103)
503221.98 3633175.90 12.98379 (21030103) 503271.98 3633175.90 14.09151 (21030103)
503321.98 3633175.90 14.29979 (20121603) 503371.98 3633175.90 16.93410 (20121603)
503421.98 3633175.90 17.90110 (20121603) 503471.98 3633175.90 17.03829 (20121603)
503621.98 3633175.90 14.74995 (20090205) 503671.98 3633175.90 14.30289 (20090205)
503721.98 3633175.90 12.49611 (20090205) 503771.98 3633175.90 9.67865 (20090205)
503821.98 3633175.90 7.87086 (20090205) 503871.98 3633175.90 7.27867 (20102407)
503921.98 3633175.90 6.97537 (20111701) 503971.98 3633175.90 6.84237 (20111701)
504021.98 3633175.90 6.38554 (20111701) 504071.98 3633175.90 5.89487 (21110603)
504121.98 3633175.90 5.77946 (21110603) 504171.98 3633175.90 5.65827 (21111005)
504221.98 3633175.90 5.58135 (21111005) 504271.98 3633175.90 5.42874 (21111005)
504321.98 3633175.90 5.17896 (21111005) 504371.98 3633175.90 4.99694 (19101521)
504421.98 3633175.90 4.67915 (19101521) 504471.98 3633175.90 4.63285 (20091518)
504521.98 3633175.90 4.58027 (20091518) 504571.98 3633175.90 4.47212 (20091518)
504621.98 3633175.90 4.33704 (20082921) 504671.98 3633175.90 4.31411 (20082921)
504721.98 3633175.90 4.23235 (20082921) 504771.98 3633175.90 4.09239 (20082921)
504821.98 3633175.90 3.90723 (20082921) 504871.98 3633175.90 3.69963 (20082921)
504921.98 3633175.90 3.67455 (20081802) 504971.98 3633175.90 3.51689 (20022622)
505021.98 3633175.90 3.43648 (21013120) 505071.98 3633175.90 3.37397 (21120822)
505121.98 3633175.90 3.33980 (21120822) 505171.98 3633175.90 3.30486 (21120822)
505221.98 3633175.90 3.27185 (21120822) 502221.98 3633225.90 5.75877 (21111004)
502271.98 3633225.90 5.75454 (21111004) 502321.98 3633225.90 5.69316 (21111004)
502371.98 3633225.90 5.58569 (21111004) 502421.98 3633225.90 5.41399 (21111004)
502471.98 3633225.90 5.17860 (21111004) 502521.98 3633225.90 4.89917 (21111004)

```
        502571.98   3633225.90        4.68933  (19010119)                502621.98
3633225.90        4.73619  (19010119)
        502671.98   3633225.90        4.72983  (19010119)                502721.98
3633225.90        4.67089  (19010119)
        502771.98   3633225.90        4.54530  (19010119)                502821.98
3633225.90        4.36579  (19010119)
        502871.98   3633225.90        4.13431  (19010119)                502921.98
3633225.90        3.86023  (19010119)
        502971.98   3633225.90        4.05249  (21030103)                503021.98
3633225.90        5.17232  (21030103)
        503071.98   3633225.90        6.39262  (21030103)                503121.98
3633225.90        7.61384  (21030103)
        503171.98   3633225.90        8.70523  (21030103)                503221.98
3633225.90       12.17438  (21030103)
        503271.98   3633225.90       14.59000  (21030103)                503321.98
3633225.90       15.29159  (21030103)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 938
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                 L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                 L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                 L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        503371.98   3633225.90       17.39123  (21031822)                503421.98
3633225.90       18.57952  (20121603)
        503471.98   3633225.90       18.36302  (20121603)                503621.98
3633225.90       14.96316  (20090205)
        503671.98   3633225.90       14.01816  (20090205)                503721.98
```

3633225.90 11.96285 (20090205)
503771.98 3633225.90 10.04437 (20090205) 503821.98
3633225.90 8.46698 (20090205)
503871.98 3633225.90 7.47500 (20102407) 503921.98
3633225.90 7.30323 (20102407)
503971.98 3633225.90 7.08632 (20111701) 504021.98
3633225.90 6.74205 (20111701)
504071.98 3633225.90 6.05263 (20111701) 504121.98
3633225.90 5.96395 (21110603)
504171.98 3633225.90 5.84395 (21111005) 504221.98
3633225.90 5.73328 (21111005)
504271.98 3633225.90 5.59903 (21111005) 504321.98
3633225.90 5.41409 (21111005)
504371.98 3633225.90 5.13750 (19101521) 504421.98
3633225.90 4.83332 (19101521)
504471.98 3633225.90 4.73748 (20091518) 504521.98
3633225.90 4.68365 (20091518)
504571.98 3633225.90 4.57468 (20091518) 504621.98
3633225.90 4.43583 (20082921)
504671.98 3633225.90 4.40552 (20082921) 504721.98
3633225.90 4.31795 (20082921)
504771.98 3633225.90 4.17105 (20082921) 504821.98
3633225.90 3.98256 (20082921)
504871.98 3633225.90 3.77460 (20082921) 504921.98
3633225.90 3.86950 (20081802)
504971.98 3633225.90 3.57078 (20022622) 505021.98
3633225.90 3.48782 (21013120)
505071.98 3633225.90 3.43550 (21120822) 505121.98
3633225.90 3.39884 (21120822)
505171.98 3633225.90 3.36742 (21120822) 505221.98
3633225.90 3.33380 (21120822)
502221.98 3633275.90 5.92309 (21111004) 502271.98
3633275.90 6.00300 (21111004)
502321.98 3633275.90 6.03647 (21111004) 502371.98
3633275.90 6.01126 (21111004)
502421.98 3633275.90 5.92038 (21111004) 502471.98
3633275.90 5.76750 (21111004)
502521.98 3633275.90 5.55255 (21111004) 502571.98
3633275.90 5.27615 (21111004)
502621.98 3633275.90 4.94661 (21111004) 502671.98
3633275.90 4.96167 (19010119)
502721.98 3633275.90 4.97101 (19010119) 502771.98
3633275.90 4.92013 (19010119)
502821.98 3633275.90 5.76932 (19010119) 502871.98
3633275.90 4.61843 (19010119)
502921.98 3633275.90 4.37698 (19010119) 502971.98
3633275.90 4.08756 (19010119)
503021.98 3633275.90 4.34400 (21030103) 503071.98
3633275.90 5.56508 (21030103)
503121.98 3633275.90 6.88637 (21030103) 503171.98

3633275.90   8.18836 (21030103)
        503221.98   3633275.90   9.31761 (21030103)   503271.98
3633275.90   15.85406 (21030103)
        503321.98   3633275.90   16.80624 (21030103)   503371.98
3633275.90   18.18860 (21031822)
        503421.98   3633275.90   18.65156 (20121603)   503471.98
3633275.90   16.95949 (21041501)
        503621.98   3633275.90   14.73407 (20092123)   503671.98
3633275.90   13.50961 (20092123)
        503721.98   3633275.90   11.35848 (20090205)   503771.98
3633275.90   10.10463 (20090205)
        503821.98   3633275.90   9.06848 (20090205)   503871.98
3633275.90   8.00874 (20090205)
        503921.98   3633275.90   7.58657 (20102407)   503971.98
3633275.90   7.28387 (20111701)
        504021.98   3633275.90   7.06628 (20111701)   504071.98
3633275.90   6.47566 (20111701)
        504121.98   3633275.90   6.20424 (21020924)   504171.98
3633275.90   6.06888 (21020924)
        504221.98   3633275.90   5.91156 (21111005)   504271.98
3633275.90   5.80185 (21111005)
        504321.98   3633275.90   5.70858 (21111005)   504371.98
3633275.90   5.54020 (21111005)
        504421.98   3633275.90   4.98876 (19101521)   504471.98
3633275.90   4.83424 (20091518)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
                 L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
                 L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
                 L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504521.98	3633275.90	4.79803	(20091518)	504571.98	3633275.90	4.68818	(20091518)
504621.98	3633275.90	4.53583	(20082921)	504671.98	3633275.90	4.50611	(20082921)
504721.98	3633275.90	4.41284	(20082921)	504771.98	3633275.90	4.25327	(20082921)
504821.98	3633275.90	4.05944	(20082921)	504871.98	3633275.90	4.00536	(20081802)
504921.98	3633275.90	4.13238	(20081802)	504971.98	3633275.90	3.79262	(20081802)
505021.98	3633275.90	3.54196	(21013120)	505071.98	3633275.90	3.49318	(21120822)
505121.98	3633275.90	3.45867	(21120822)	505171.98	3633275.90	3.43104	(21120822)
505221.98	3633275.90	3.39637	(21120822)	502221.98	3633325.90	5.96373	(21111004)
502271.98	3633325.90	6.12948	(21111004)	502321.98	3633325.90	6.25120	(21111004)
502371.98	3633325.90	6.31860	(21111004)	502421.98	3633325.90	6.32606	(21111004)
502471.98	3633325.90	6.26478	(21111004)	502521.98	3633325.90	6.14224	(21111004)
502571.98	3633325.90	5.94750	(21111004)	502621.98	3633325.90	5.68401	(21111004)
502671.98	3633325.90	5.35372	(21111004)	502721.98	3633325.90	5.19830	(19010119)
502771.98	3633325.90	5.23216	(19010119)	502821.98	3633325.90	5.19076	(19010119)
502871.98	3633325.90	5.07496	(19010119)	502921.98	3633325.90	4.89181	(19010119)
502971.98	3633325.90	4.64317	(19010119)	503021.98	3633325.90	4.33768	(19010119)
503071.98	3633325.90	4.66880	(21030103)	503121.98	3633325.90	6.00389	(21030103)
503171.98	3633325.90	7.43740	(21030103)	503221.98	3633325.90	8.82479	(21030103)
503271.98	3633325.90	16.92022	(20122620)	503321.98	3633325.90	18.16755	(21030103)
503371.98	3633325.90	20.17714	(21030103)	503421.98	3633325.90	21.00899	(21030103)
503471.98	3633325.90	16.37468	(20092222)	503621.98	3633325.90	14.84498	(20092123)
503671.98	3633325.90	13.70333	(20092123)	503721.98	3633325.90	11.21028	(20092123)
503771.98	3633325.90	10.34719	(20090205)	503821.98	3633325.90	9.70486	(20090205)

```
        503871.98   3633325.90        8.80659  (20090205)                503921.98
3633325.90        7.86243  (20090723)
        503971.98   3633325.90        8.16734  (19080102)                504021.98
3633325.90        7.43797  (19080102)
        504071.98   3633325.90        6.89470  (20111701)                504121.98
3633325.90        6.76541  (21020924)
        504171.98   3633325.90        6.36310  (21020924)                504221.98
3633325.90        6.09921  (21111005)
        504271.98   3633325.90        6.07335  (21111005)                504321.98
3633325.90        6.21273  (21111005)
        504371.98   3633325.90        6.09959  (21111005)                504421.98
3633325.90        5.34144  (21111005)
        504471.98   3633325.90        4.94621  (20050102)                504521.98
3633325.90        4.90092  (20091518)
        504571.98   3633325.90        4.78641  (20091518)                504621.98
3633325.90        4.64739  (20082921)
        504671.98   3633325.90        4.63155  (20082921)                504721.98
3633325.90        4.52431  (20082921)
        504771.98   3633325.90        4.34332  (20082921)                504821.98
3633325.90        4.13995  (20082921)
        504871.98   3633325.90        4.34046  (20081802)                504921.98
3633325.90        4.45857  (20081802)
        504971.98   3633325.90        4.14141  (20081802)                505021.98
3633325.90        3.85413  (20081802)
        505071.98   3633325.90        3.68139  (20081802)                505121.98
3633325.90        3.52429  (21120822)
        505171.98   3633325.90        3.49619  (21120822)                505221.98
3633325.90        3.45744  (21120822)
        502221.98   3633375.90        5.87878  (21111004)                502271.98
3633375.90        6.11888  (21111004)
        502321.98   3633375.90        6.32358  (21111004)                502371.98
3633375.90        6.48465  (21111004)
        502421.98   3633375.90        6.59499  (21111004)                502471.98
3633375.90        6.64394  (21111004)
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 940
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
```

L0001016 , L0001017 , L0001018 , L0001019 , L0001020
, L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502521.98	3633375.90	6.62755	(21111004)	502571.98	3633375.90	6.53733	(21111004)
502621.98	3633375.90	6.36919	(21111004)	502671.98	3633375.90	6.12189	(21111004)
502721.98	3633375.90	5.79794	(21111004)	502771.98	3633375.90	5.44760	(19010119)
502821.98	3633375.90	5.49975	(19010119)	502871.98	3633375.90	5.47595	(19010119)
502921.98	3633375.90	5.37469	(19010119)	502971.98	3633375.90	5.19322	(19010119)
503021.98	3633375.90	4.93608	(19010119)	503071.98	3633375.90	4.61148	(19010119)
503121.98	3633375.90	5.03202	(21030103)	503171.98	3633375.90	6.49727	(21030103)
503221.98	3633375.90	8.05591	(21030103)	503271.98	3633375.90	9.53170	(21030103)
503321.98	3633375.90	11.88883	(21030103)	503371.98	3633375.90	21.52455	(21030103)
503421.98	3633375.90	22.54718	(21030103)	503471.98	3633375.90	18.87336	(21030103)
503621.98	3633375.90	16.09166	(21041501)	503671.98	3633375.90	14.42281	(20092123)
503721.98	3633375.90	12.27387	(20092123)	503771.98	3633375.90	10.89864	(20090205)
503821.98	3633375.90	10.70517	(20090205)	503871.98	3633375.90	9.82879	(20090205)
503921.98	3633375.90	9.23854	(20090205)	503971.98	3633375.90	9.32279	(19080102)
504021.98	3633375.90	8.43448	(19080102)	504071.98	3633375.90	7.38993	(19080102)
504121.98	3633375.90	7.37230	(21020924)	504171.98	3633375.90	6.65488	(21020924)
504221.98	3633375.90	6.54845	(21020924)	504271.98	3633375.90	6.82371	(21020924)
504321.98	3633375.90	7.08966	(21020924)	504371.98	3633375.90	6.84455	(21111005)
504421.98	3633375.90	5.81743	(21111005)	504471.98			

3633375.90   5.05612 (20050102)
        504521.98   3633375.90   5.00808 (20091518)   504571.98
3633375.90   4.88718 (20091518)
        504621.98   3633375.90   4.78675 (20082921)   504671.98
3633375.90   4.82290 (20082921)
        504721.98   3633375.90   4.66270 (20082921)   504771.98
3633375.90   4.44778 (20082921)
        504821.98   3633375.90   4.32481 (20081802)   504871.98
3633375.90   4.84642 (20081802)
        504921.98   3633375.90   4.79542 (20081802)   504971.98
3633375.90   4.54877 (20081802)
        505021.98   3633375.90   4.25933 (20081802)   505071.98
3633375.90   3.79043 (20081802)
        505121.98   3633375.90   3.59545 (21120822)   505171.98
3633375.90   3.56332 (21120822)
        505221.98   3633375.90   3.51930 (21120822)   502221.98
3633425.90   5.66091 (21111004)
        502271.98   3633425.90   5.96199 (21111004)   502321.98
3633425.90   6.23923 (21111004)
        502371.98   3633425.90   6.48877 (21111004)   502421.98
3633425.90   6.70145 (21111004)
        502471.98   3633425.90   6.87608 (21111004)   502521.98
3633425.90   6.97311 (21111004)
        502571.98   3633425.90   6.99974 (21111004)   502621.98
3633425.90   6.95051 (21111004)
        502671.98   3633425.90   6.81221 (21111004)   502721.98
3633425.90   6.58738 (21111004)
        502771.98   3633425.90   6.27589 (21111004)   502821.98
3633425.90   5.87924 (21111004)
        502871.98   3633425.90   5.78398 (19010119)   502921.98
3633425.90   5.78906 (19010119)
        502971.98   3633425.90   5.70215 (19010119)   503021.98
3633425.90   5.52320 (19010119)
        503071.98   3633425.90   5.25844 (19010119)   503121.98
3633425.90   4.91290 (19010119)
        503171.98   3633425.90   5.44103 (21030103)   503221.98
3633425.90   7.05569 (21030103)
        503271.98   3633425.90   8.75294 (21030103)   503321.98
3633425.90   11.03803 (21030103)
        503371.98   3633425.90   24.95567 (20122620)   503421.98
3633425.90   25.32783 (21030103)
        503471.98   3633425.90   23.48760 (21030103)   503621.98
3633425.90   18.22562 (21041501)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***

INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503671.98	3633425.90	15.95799	(20092123)	503721.98	3633425.90	13.75638	(20092123)
503771.98	3633425.90	12.26734	(20092123)	503821.98	3633425.90	11.54559	(20090205)
503871.98	3633425.90	11.25541	(20090205)	503921.98	3633425.90	11.43796	(20090205)
503971.98	3633425.90	10.31640	(20090205)	504021.98	3633425.90	9.37102	(19080102)
504071.98	3633425.90	8.43769	(19080102)	504121.98	3633425.90	8.05603	(21020924)
504171.98	3633425.90	7.41379	(21020924)	504221.98	3633425.90	7.62929	(21020924)
504271.98	3633425.90	8.13970	(21020924)	504321.98	3633425.90	8.35694	(21020924)
504371.98	3633425.90	7.42649	(21111005)	504421.98	3633425.90	6.31380	(21111005)
504471.98	3633425.90	5.36885	(21111005)	504521.98	3633425.90	5.12097	(20091518)
504571.98	3633425.90	4.99340	(20091518)	504621.98	3633425.90	5.02504	(20081802)
504671.98	3633425.90	5.20885	(20081802)	504721.98	3633425.90	5.15751	(20081802)
504771.98	3633425.90	4.87078	(20081802)	504821.98	3633425.90	4.72868	(20081802)
504871.98	3633425.90	5.25014	(20081802)	504921.98	3633425.90	5.05258	(20081802)
504971.98	3633425.90	4.72997	(20081802)	505021.98	3633425.90	4.09613	(20081802)

```
        505071.98   3633425.90        3.70608  (21120822)              505121.98
3633425.90        3.67131  (21120822)
        505171.98   3633425.90        3.63211  (21120822)              505221.98
3633425.90        3.58710  (21120822)
        502221.98   3633475.90        5.33754  (21111004)              502271.98
3633475.90        5.68537  (21111004)
        502321.98   3633475.90        6.02500  (21111004)              502371.98
3633475.90        6.34972  (21111004)
        502421.98   3633475.90        6.65120  (21111004)              502471.98
3633475.90        6.93216  (21111004)
        502521.98   3633475.90        7.13532  (21111004)              502571.98
3633475.90        7.28696  (21111004)
        502621.98   3633475.90        7.37205  (21111004)              502671.98
3633475.90        7.36880  (21111004)
        504771.98   3633475.90        5.79461  (20081802)              504821.98
3633475.90        5.74451  (20081802)
        504871.98   3633475.90        5.58953  (20081802)              504921.98
3633475.90        5.40116  (20081802)
        504971.98   3633475.90        4.89864  (20081802)              505021.98
3633475.90        4.14416  (20081802)
        505071.98   3633475.90        3.78651  (21120822)              505121.98
3633475.90        3.74781  (21120822)
        505171.98   3633475.90        3.70423  (21120822)              505221.98
3633475.90        3.73432  (20082105)
        502221.98   3633525.90        4.93404  (21111004)              502271.98
3633525.90        5.31140  (21111004)
        502321.98   3633525.90        5.69113  (21111004)              502371.98
3633525.90        6.07719  (21111004)
        502421.98   3633525.90        6.45307  (21111004)              502471.98
3633525.90        6.81179  (21111004)
        502521.98   3633525.90        7.11163  (21111004)              502571.98
3633525.90        7.36665  (21111004)
        502621.98   3633525.90        7.58581  (21111004)              502671.98
3633525.90        7.73048  (21111004)
        504771.98   3633525.90        6.00435  (20081802)              504821.98
3633525.90        5.84260  (20081802)
        504871.98   3633525.90        5.68865  (20081802)              504921.98
3633525.90        5.51987  (20081802)
        504971.98   3633525.90        5.30472  (20081802)              505021.98
3633525.90        4.72980  (20081802)
        505071.98   3633525.90        4.06994  (20081802)              505121.98
3633525.90        3.82802  (21120822)
        505171.98   3633525.90        3.77876  (21120822)              505221.98
3633525.90        3.86294  (20082105)
        502221.98   3633575.90        4.47998  (21111004)              502271.98
3633575.90        4.85478  (21111004)
        502321.98   3633575.90        5.25616  (21111004)              502371.98
3633575.90        5.67792  (21111004)
        502421.98   3633575.90        6.09768  (21111004)              502471.98
3633575.90        6.50500  (21111004)
```

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                  L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                  L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                  L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3633575.90   7.59547 (21111004)   502671.98
3633575.90   7.87714 (21111004)
        504771.98   3633575.90   6.11556 (20081802)   504821.98
3633575.90   6.01035 (20081802)
        504871.98   3633575.90   5.88138 (20081802)   504921.98
3633575.90   5.61062 (20081802)
        504971.98   3633575.90   5.48669 (20081802)   505021.98
3633575.90   5.15954 (20081802)
        505071.98   3633575.90   4.52690 (20081802)   505121.98
3633575.90   3.99672 (20082105)
        505171.98   3633575.90   3.94975 (20082105)   505221.98
3633575.90   4.13276 (20082105)
        502221.98   3633625.90   4.31009 (21012320)   502271.98
3633625.90   4.34489 (21111004)
        502321.98   3633625.90   4.75674 (21111004)   502371.98
3633625.90   5.18659 (21111004)
        502421.98   3633625.90   5.63485 (21111004)   502471.98
3633625.90   6.07505 (21111004)
        502521.98   3633625.90   6.53651 (21111004)   502571.98

```
3633625.90        6.98192  (21111004)
        502621.98   3633625.90        7.41143  (21111004)                502671.98
3633625.90        7.80567  (21111004)
        504771.98   3633625.90        6.23954  (20081802)                504821.98
3633625.90        6.41189  (20081802)
        504871.98   3633625.90        6.09926  (20081802)                504921.98
3633625.90        5.85070  (20081802)
        504971.98   3633625.90        5.71007  (20081802)                505021.98
3633625.90        5.42530  (20081802)
        505071.98   3633625.90        4.80025  (20081802)                505121.98
3633625.90        4.29662  (20082105)
        505171.98   3633625.90        4.17094  (20082105)                505221.98
3633625.90        4.39228  (20082105)
        502221.98   3633675.90        5.10744  (21012320)                502271.98
3633675.90        4.89454  (21012320)
        502321.98   3633675.90        4.70005  (21012320)                502371.98
3633675.90        4.63047  (21111004)
        502421.98   3633675.90        5.08567  (21111004)                502471.98
3633675.90        5.55132  (21111004)
        502521.98   3633675.90        6.03801  (21111004)                502571.98
3633675.90        6.52980  (21111004)
        502621.98   3633675.90        7.02264  (21111004)                502671.98
3633675.90        7.50548  (21111004)
        504771.98   3633675.90        6.69850  (20081802)                504821.98
3633675.90        6.65866  (20081802)
        504871.98   3633675.90        6.49595  (20081802)                504921.98
3633675.90        6.26725  (20081802)
        504971.98   3633675.90        5.99104  (20081802)                505021.98
3633675.90        5.64857  (20081802)
        505071.98   3633675.90        5.01219  (20081802)                505121.98
3633675.90        4.41771  (20082105)
        505171.98   3633675.90        4.32333  (20082105)                505221.98
3633675.90        4.54031  (20082105)
        502221.98   3633725.90        5.84049  (21012320)                502271.98
3633725.90        5.68468  (21012320)
        502321.98   3633725.90        5.55183  (21012320)                502371.98
3633725.90        5.38485  (21012320)
        502421.98   3633725.90        5.19394  (21012320)                502471.98
3633725.90        4.97508  (21012320)
        502521.98   3633725.90        5.44643  (21111004)                502571.98
3633725.90        5.95771  (21111004)
        502621.98   3633725.90        6.48608  (21111004)                502671.98
3633725.90        7.02170  (21111004)
        504771.98   3633725.90        7.41052  (20081802)                504821.98
3633725.90        7.05884  (20081802)
        504871.98   3633725.90        6.86763  (20081802)                504921.98
3633725.90        6.54067  (20081802)
        504971.98   3633725.90        6.17924  (20081802)                505021.98
3633725.90        5.72742  (20081802)
        505071.98   3633725.90        4.99244  (20081802)                505121.98
```

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3633775.90   5.84146 (21111004)   502671.98
3633775.90   6.39795 (21111004)
        504771.98   3633775.90   8.00569 (20082921)   504821.98
3633775.90   7.62778 (20081802)
        504871.98   3633775.90   7.19309 (20081802)   504921.98
3633775.90   6.65278 (20081802)
        504971.98   3633775.90   6.27064 (20081802)   505021.98
3633775.90   5.72748 (20081802)
        505071.98   3633775.90   5.12227 (20081802)   505121.98
3633775.90   4.64427 (20082105)

```
        505171.98   3633775.90        4.64378  (20082105)               505221.98
3633775.90        4.81556  (20082105)
        502221.98   3633825.90        6.98452  (21012320)               502271.98
3633825.90        6.94201  (21012320)
        502321.98   3633825.90        6.94423  (21012320)               502371.98
3633825.90        6.91653  (21012320)
        502421.98   3633825.90        6.85962  (21012320)               502471.98
3633825.90        6.77402  (21012320)
        502521.98   3633825.90        6.67189  (21012320)               502571.98
3633825.90        6.54351  (21012320)
        502621.98   3633825.90        6.37989  (21012320)               502671.98
3633825.90        6.16907  (21012320)
        504771.98   3633825.90        8.53681  (20082921)               504821.98
3633825.90        7.92015  (20081802)
        504871.98   3633825.90        7.12950  (20081802)               504921.98
3633825.90        6.47727  (20081802)
        504971.98   3633825.90        6.07879  (20081802)               505021.98
3633825.90        5.74271  (20081802)
        505071.98   3633825.90        5.22022  (20081802)               505121.98
3633825.90        4.73157  (20082105)
        505171.98   3633825.90        4.77976  (20082105)               505221.98
3633825.90        4.97290  (20082105)
        502221.98   3633875.90        7.31915  (21012320)               502271.98
3633875.90        7.34467  (21012320)
        502321.98   3633875.90        7.41811  (21012320)               502371.98
3633875.90        7.43133  (21012320)
        502421.98   3633875.90        7.45212  (21012320)               502471.98
3633875.90        7.43353  (21012320)
        502521.98   3633875.90        7.42406  (21012320)               502571.98
3633875.90        7.39174  (21012320)
        502621.98   3633875.90        7.32415  (21012320)               502671.98
3633875.90        7.21305  (21012320)
        504771.98   3633875.90        8.82384  (20082921)               504821.98
3633875.90        8.00230  (20081802)
        504871.98   3633875.90        7.09197  (20081802)               504921.98
3633875.90        6.47644  (20081802)
        504971.98   3633875.90        5.97238  (20081802)               505021.98
3633875.90        5.51579  (20081802)
        505071.98   3633875.90        5.27586  (20081802)               505121.98
3633875.90        4.92643  (20082105)
        505171.98   3633875.90        4.99275  (20082105)               505221.98
3633875.90        5.12442  (20082105)
        502221.98   3633925.90        7.52112  (21012320)               502271.98
3633925.90        7.60949  (21012320)
        502321.98   3633925.90        7.71563  (21012320)               502371.98
3633925.90        7.77627  (21012320)
        502421.98   3633925.90        7.87432  (21012320)               502471.98
3633925.90        7.92385  (21012320)
        502521.98   3633925.90        7.98014  (21012320)               502571.98
3633925.90        8.02183  (21012320)
```

```
        502621.98   3633925.90        8.04485  (21012320)               502671.98
3633925.90        8.03403  (21012320)
        504771.98   3633925.90        8.84149  (20082921)               504821.98
3633925.90        8.15478  (20081802)
        504871.98   3633925.90        7.46486  (20081802)               504921.98
3633925.90        6.56010  (20081802)
        504971.98   3633925.90        5.80325  (20081802)               505021.98
3633925.90        5.48848  (20081802)
        505071.98   3633925.90        5.24301  (20081802)               505121.98
3633925.90        5.12448  (20081603)
        505171.98   3633925.90        5.23952  (20081603)               505221.98
3633925.90        5.31968  (20082105)
        502221.98   3633975.90        7.60611  (21012320)               502271.98
3633975.90        7.70551  (21012320)
        502321.98   3633975.90        7.84702  (21012320)               502371.98
3633975.90        7.99148  (21012320)
        502421.98   3633975.90        8.12067  (21012320)               502471.98
3633975.90        8.23155  (21012320)
        502521.98   3633975.90        8.34544  (21012320)               502571.98
3633975.90        8.44045  (21012320)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 944
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3633975.90        8.53523  (21012320)               502671.98
```

```
3633975.90        8.60131  (21012320)
        504771.98   3633975.90        8.87699  (20081802)                504821.98
3633975.90        8.35740  (20081802)
        504871.98   3633975.90        7.82878  (20081802)                504921.98
3633975.90        7.00322  (20081802)
        504971.98   3633975.90        5.90357  (20081802)                505021.98
3633975.90        5.40100  (20081802)
        505071.98   3633975.90        5.13781  (20081802)                505121.98
3633975.90        5.35029  (20081603)
        505171.98   3633975.90        5.49686  (20081603)                505221.98
3633975.90        5.54326  (20081603)
        502221.98   3634025.90        7.57257  (21012320)                502271.98
3634025.90        7.70001  (21012320)
        502321.98   3634025.90        7.87100  (21012320)                502371.98
3634025.90        8.05128  (21012320)
        502421.98   3634025.90        8.21320  (21012320)                502471.98
3634025.90        8.36759  (21012320)
        502521.98   3634025.90        8.51851  (21012320)                502571.98
3634025.90        8.66652  (21012320)
        502621.98   3634025.90        8.81642  (21012320)                502671.98
3634025.90        8.94831  (21012320)
        504771.98   3634025.90        8.86516  (20081802)                504821.98
3634025.90        8.61302  (20081802)
        504871.98   3634025.90        7.80764  (20081802)                504921.98
3634025.90        6.89555  (20081802)
        504971.98   3634025.90        5.77788  (20081802)                505021.98
3634025.90        5.35508  (20081802)
        505071.98   3634025.90        5.18967  (20082105)                505121.98
3634025.90        5.52990  (20081603)
        505171.98   3634025.90        5.78233  (20081603)                505221.98
3634025.90        5.80119  (20081603)
        502221.98   3634075.90        7.40051  (21012320)                502271.98
3634075.90        7.58371  (21012320)
        502321.98   3634075.90        7.78232  (21012320)                502371.98
3634075.90        7.97489  (21012320)
        502421.98   3634075.90        8.15802  (21012320)                502471.98
3634075.90        8.34832  (21012320)
        502521.98   3634075.90        8.54487  (21012320)                502571.98
3634075.90        8.75166  (21012320)
        502621.98   3634075.90        8.93039  (21012320)                502671.98
3634075.90        9.11999  (21012320)
        504771.98   3634075.90        9.10264  (20081802)                504821.98
3634075.90        8.63759  (20081802)
        504871.98   3634075.90        7.50603  (20081802)                504921.98
3634075.90        6.65337  (20081802)
        504971.98   3634075.90        5.85471  (20081802)                505021.98
3634075.90        5.44323  (20081802)
        505071.98   3634075.90        5.35809  (20082105)                505121.98
3634075.90        5.69287  (20081603)
        505171.98   3634075.90        6.04078  (20081603)                505221.98
```

```
3634075.90        6.10628  (20081603)
        502221.98   3634125.90        7.12016  (21012320)                502271.98
3634125.90        7.37113  (21012320)
        502321.98   3634125.90        7.59263  (21012320)                502371.98
3634125.90        7.83037  (21012320)
        502421.98   3634125.90        8.04712  (21012320)                502471.98
3634125.90        8.26034  (21012320)
        502521.98   3634125.90        8.46794  (21012320)                502571.98
3634125.90        8.67499  (21012320)
        502621.98   3634125.90        8.92086  (21012320)                502671.98
3634125.90        9.15649  (21012320)
        504771.98   3634125.90        8.48195  (20081802)                504821.98
3634125.90        8.10833  (20081802)
        504871.98   3634125.90        7.43645  (20081802)                504921.98
3634125.90        6.32992  (20081802)
        504971.98   3634125.90        5.98347  (20081802)                505021.98
3634125.90        5.61956  (20081802)
        505071.98   3634125.90        5.66412  (20081603)                505121.98
3634125.90        6.07462  (20081603)
        505171.98   3634125.90        6.33382  (20081603)                505221.98
3634125.90        6.41428  (20081603)
        502221.98   3634175.90        6.72776  (21012320)                502271.98
3634175.90        6.99936  (21012320)
        502321.98   3634175.90        7.25057  (21012320)                502371.98
3634175.90        7.59712  (21012320)
        502421.98   3634175.90        7.84676  (21012320)                502471.98
3634175.90        8.08991  (21012320)
        502521.98   3634175.90        8.31939  (21012320)                502571.98
3634175.90        8.55473  (21012320)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 945
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634175.90	8.78609	(21012320)	502671.98	3634175.90	9.03481	(21012320)
504771.98	3634175.90	7.63916	(20081802)	504821.98	3634175.90	7.17413	(20081802)
504871.98	3634175.90	6.74487	(20081802)	504921.98	3634175.90	6.42864	(20081802)
504971.98	3634175.90	6.13607	(20081802)	505021.98	3634175.90	6.00965	(20081802)
505071.98	3634175.90	5.79983	(20081603)	505121.98	3634175.90	6.33511	(20081603)
505171.98	3634175.90	6.57829	(20081603)	505221.98	3634175.90	6.78060	(20081603)
502221.98	3634225.90	6.29378	(21012320)	502271.98	3634225.90	6.56945	(21012320)
502321.98	3634225.90	6.89667	(21012320)	502371.98	3634225.90	7.23607	(21012320)
502421.98	3634225.90	7.52959	(21012320)	502471.98	3634225.90	7.80854	(21012320)
502521.98	3634225.90	8.06799	(21012320)	502571.98	3634225.90	8.34153	(21012320)
502621.98	3634225.90	8.60122	(21012320)	502671.98	3634225.90	8.86616	(21012320)
504771.98	3634225.90	7.23096	(20082921)	504821.98	3634225.90	6.76220	(20081802)
504871.98	3634225.90	6.73401	(20081802)	504921.98	3634225.90	6.49636	(20081802)
504971.98	3634225.90	6.70361	(20081802)	505021.98	3634225.90	6.33893	(20081802)
505071.98	3634225.90	6.09697	(20081603)	505121.98	3634225.90	6.46290	(20081603)
505171.98	3634225.90	6.39002	(20081603)	505221.98	3634225.90	6.88490	(20081603)
502221.98	3634275.90	5.77493	(21012320)	502271.98	3634275.90	6.06879	(21012320)
502321.98	3634275.90	6.39579	(21012320)	502371.98	3634275.90	6.76424	(21012320)
502421.98	3634275.90	7.08105	(21012320)	502471.98	3634275.90	7.39000	(21012320)
502521.98	3634275.90	7.70005	(21012320)	502571.98	3634275.90	8.00236	(21012320)
502621.98	3634275.90	8.31255	(21012320)	502671.98	3634275.90	8.61534	(21012320)

```
        504771.98   3634275.90        7.54333  (20082921)               504821.98
3634275.90        6.99272  (20081802)
        504871.98   3634275.90        6.88747  (20081802)               504921.98
3634275.90        6.97135  (20082805)
        504971.98   3634275.90        7.49808  (20082805)               505021.98
3634275.90        7.02640  (20082805)
        505071.98   3634275.90        6.87684  (20082805)               505121.98
3634275.90        7.18054  (20082805)
        505171.98   3634275.90        6.80141  (20082805)               505221.98
3634275.90        7.23691  (20082805)
        502221.98   3634325.90        5.19216  (21012320)               502271.98
3634325.90        5.50366  (21012320)
        502321.98   3634325.90        5.81843  (21012320)               502371.98
3634325.90        6.14196  (21012320)
        502421.98   3634325.90        6.46899  (21012320)               502471.98
3634325.90        6.79478  (21012320)
        502521.98   3634325.90        7.12862  (21012320)               502571.98
3634325.90        7.46209  (21012320)
        502621.98   3634325.90        7.79470  (21012320)               502671.98
3634325.90        8.13532  (21012320)
        504771.98   3634325.90        7.88926  (20082921)               504821.98
3634325.90        7.78016  (20081802)
        504871.98   3634325.90        7.76870  (20082805)               504921.98
3634325.90        8.10107  (20082805)
        504971.98   3634325.90        8.32425  (20082805)               505021.98
3634325.90        7.54620  (20082805)
        505071.98   3634325.90        7.36310  (20082805)               505121.98
3634325.90        7.82928  (20082805)
        505171.98   3634325.90        7.40606  (20082805)               505221.98
3634325.90        7.47457  (20082805)
        502221.98   3634375.90        4.83287  (19083104)               502271.98
3634375.90        4.90370  (19083104)
        502321.98   3634375.90        5.17095  (21012320)               502371.98
3634375.90        5.48079  (21012320)
        502421.98   3634375.90        5.83671  (21012320)               502471.98
3634375.90        6.20366  (21012320)
        502521.98   3634375.90        6.59121  (21012320)               502571.98
3634375.90        6.95485  (21012320)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 946
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
```

```
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3634375.90        7.28481  (21012320)               502671.98
3634375.90        7.59369  (21012320)
        504771.98   3634375.90        8.57850  (20082306)               504821.98
3634375.90        9.16068  (20082306)
        504871.98   3634375.90        9.20926  (20082306)               504921.98
3634375.90        9.52346  (20082306)
        504971.98   3634375.90        9.28540  (20082306)               505021.98
3634375.90        8.28328  (20082306)
        505071.98   3634375.90        8.17471  (20082306)               505121.98
3634375.90        8.79004  (20082306)
        505171.98   3634375.90        8.34132  (20082306)               505221.98
3634375.90        8.05025  (20082306)
        502221.98   3634425.90        4.92728  (19083104)               502271.98
3634425.90        4.99846  (19083104)
        502321.98   3634425.90        5.06698  (19083104)               502371.98
3634425.90        5.13810  (19083104)
        502421.98   3634425.90        5.21444  (19083104)               502471.98
3634425.90        5.51902  (21012320)
        502521.98   3634425.90        5.88378  (21012320)               502571.98
3634425.90        6.25497  (21012320)
        502621.98   3634425.90        6.63887  (21012320)               502671.98
3634425.90        7.02727  (21012320)
        504771.98   3634425.90        9.25459  (20082306)               504821.98
3634425.90        9.74743  (20082304)
        504871.98   3634425.90       10.69539  (20082306)               504921.98
3634425.90       11.28470  (20082306)
        504971.98   3634425.90       10.19081  (20082306)               505021.98
3634425.90        9.71724  (20082306)
        505071.98   3634425.90        9.86701  (20082306)               505121.98
3634425.90        9.81362  (20082306)
        505171.98   3634425.90        9.28814  (20082306)               505221.98
3634425.90        8.84093  (20082306)
        502221.98   3634475.90        5.00470  (19083104)               502271.98
```

```
3634475.90        5.07609  (19083104)
        502321.98   3634475.90        5.14714  (19083104)                502371.98
3634475.90        5.21953  (19083104)
        502421.98   3634475.90        5.29327  (19083104)                502471.98
3634475.90        5.36716  (19083104)
        502521.98   3634475.90        5.44852  (19083104)                502571.98
3634475.90        5.53023  (19083104)
        502621.98   3634475.90        5.85386  (21012320)                502671.98
3634475.90        6.25229  (21012320)
        504771.98   3634475.90       10.09146  (20082304)                504821.98
3634475.90       10.02465  (20082304)
        504871.98   3634475.90       11.09183  (20082304)                504921.98
3634475.90       12.81854  (20082306)
        504971.98   3634475.90       11.99674  (20082306)                505021.98
3634475.90       11.51850  (20082306)
        505071.98   3634475.90       11.32467  (20082306)                505121.98
3634475.90       10.80049  (20082306)
        505171.98   3634475.90       10.16916  (20082306)                505221.98
3634475.90        9.62255  (20082306)
        502221.98   3634525.90        5.07639  (19083104)                502271.98
3634525.90        5.15123  (19083104)
        502321.98   3634525.90        5.22745  (19083104)                502371.98
3634525.90        5.30530  (19083104)
        502421.98   3634525.90        5.38211  (19083104)                502471.98
3634525.90        5.46095  (19083104)
        502521.98   3634525.90        5.54012  (19083104)                502571.98
3634525.90        5.62359  (19083104)
        502621.98   3634525.90        5.70848  (19083104)                502671.98
3634525.90        5.80231  (19083104)
        504771.98   3634525.90       11.99283  (20081806)                504821.98
3634525.90       11.25037  (20082304)
        504871.98   3634525.90       12.20099  (20082304)                504921.98
3634525.90       14.16856  (20082306)
        504971.98   3634525.90       14.25264  (20082306)                505021.98
3634525.90       13.40746  (20082306)
        505071.98   3634525.90       12.67973  (20082306)                505121.98
3634525.90       11.74031  (20082306)
        505171.98   3634525.90       10.82550  (20082306)                505221.98
3634525.90       10.02417  (20082306)
        502221.98   3634575.90        5.13281  (19083104)                502271.98
3634575.90        5.20950  (19083104)
        502321.98   3634575.90        5.29334  (19083104)                502371.98
3634575.90        5.37966  (19083104)
        502421.98   3634575.90        5.46685  (19083104)                502471.98
3634575.90        5.55508  (19083104)
        502521.98   3634575.90        5.64202  (19083104)                502571.98
3634575.90        5.73086  (19083104)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634575.90	5.82137	(19083104)	502671.98	3634575.90	5.91768	(19083104)
504771.98	3634575.90	17.35901	(20082303)	504821.98	3634575.90	15.37923	(20082303)
504871.98	3634575.90	15.93147	(20081806)	504921.98	3634575.90	17.11708	(20081806)
504971.98	3634575.90	16.07116	(20081806)	505021.98	3634575.90	14.48755	(20081806)
505071.98	3634575.90	13.30863	(20082306)	505121.98	3634575.90	12.36971	(20082306)
505171.98	3634575.90	10.73586	(20082306)	505221.98	3634575.90	9.97344	(20082306)
502221.98	3634625.90	5.14192	(19083104)	502271.98	3634625.90	5.23845	(19083104)
502321.98	3634625.90	5.32543	(19083104)	502371.98	3634625.90	5.42409	(19083104)
502421.98	3634625.90	5.52335	(19083104)	502471.98	3634625.90	5.62454	(19083104)
502521.98	3634625.90	5.73252	(19083104)	502571.98	3634625.90	5.83320	(19083104)
502621.98	3634625.90	5.93566	(19083104)	502671.98	3634625.90	6.03680	(19083104)
504771.98	3634625.90	23.07100	(20082303)	504821.98	3634625.90	23.39010	(20081401)

```
        504871.98   3634625.90       21.51138  (21012820)                504921.98
3634625.90       19.59529  (20082306)
        504971.98   3634625.90       17.43044  (20081806)                505021.98
3634625.90       15.64990  (20081806)
        505071.98   3634625.90       14.05630  (20081806)                505121.98
3634625.90       12.97084  (20081806)
        505171.98   3634625.90       10.68597  (20081806)                505221.98
3634625.90        9.70327  (20082304)
        502221.98   3634675.90        5.08426  (19083104)                502271.98
3634675.90        5.20382  (19083104)
        502321.98   3634675.90        5.31941  (19083104)                502371.98
3634675.90        5.43130  (19083104)
        502421.98   3634675.90        5.54770  (19083104)                502471.98
3634675.90        5.66431  (19083104)
        502521.98   3634675.90        5.78082  (19083104)                502571.98
3634675.90        5.90033  (19083104)
        502621.98   3634675.90        6.01931  (19083104)                502671.98
3634675.90        6.13388  (19083104)
        504771.98   3634675.90       22.13594  (20082303)                504821.98
3634675.90       19.87605  (20082303)
        504871.98   3634675.90       23.94606  (20081401)                504921.98
3634675.90       21.71454  (20081401)
        504971.98   3634675.90       19.22637  (20081806)                505021.98
3634675.90       16.58513  (20081806)
        505071.98   3634675.90       14.20303  (20081806)                505121.98
3634675.90       13.23119  (20081806)
        505171.98   3634675.90       11.33711  (20081806)                505221.98
3634675.90       10.17442  (20081806)
        502221.98   3634725.90        4.95512  (19083104)                502271.98
3634725.90        5.08531  (19083104)
        502321.98   3634725.90        5.20691  (19083104)                502371.98
3634725.90        5.33712  (19083104)
        502421.98   3634725.90        5.47775  (19083104)                502471.98
3634725.90        5.61411  (19083104)
        502521.98   3634725.90        5.74698  (19083104)                502571.98
3634725.90        5.88843  (19083104)
        502621.98   3634725.90        6.02683  (19083104)                502671.98
3634725.90        6.17014  (19083104)
        504771.98   3634725.90       25.09509  (20082303)                504821.98
3634725.90       34.10793  (20082303)
        504871.98   3634725.90       30.73459  (20081401)                504921.98
3634725.90       23.86588  (20081401)
        504971.98   3634725.90       20.14063  (20082303)                505021.98
3634725.90       17.42786  (20082303)
        505071.98   3634725.90       15.50390  (20082303)                505121.98
3634725.90       14.07556  (20082303)
        505171.98   3634725.90       11.98627  (20082303)                505221.98
3634725.90       10.92559  (20082303)
        502221.98   3634775.90        4.75049  (19083104)                502271.98
3634775.90        4.89168  (19083104)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                  INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                  L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                  L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                  L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3634775.90   5.93447 (19083104)   502671.98
3634775.90   6.09956 (19083104)
        504771.98   3634775.90   28.86456 (20082303)   504821.98
3634775.90   25.07750 (20082303)
        504871.98   3634775.90   34.26671 (20081401)   504921.98
3634775.90   25.26466 (20082024)
        504971.98   3634775.90   21.10032 (20082024)   505021.98
3634775.90   17.44338 (20082303)
        505071.98   3634775.90   16.21512 (20082303)   505121.98
3634775.90   15.01983 (20082303)
        505171.98   3634775.90   12.73232 (20082303)   505221.98
3634775.90   11.52592 (20082303)
        502221.98   3634825.90   4.45632 (19083104)   502271.98
3634825.90   4.60073 (19083104)
        502321.98   3634825.90   4.74374 (19083104)   502371.98

```
3634825.90        4.89368  (19083104)
        502421.98   3634825.90        5.04241  (19083104)                502471.98
3634825.90        5.19367  (19083104)
        502521.98   3634825.90        5.37571  (19083104)                502571.98
3634825.90        5.54937  (19083104)
        502621.98   3634825.90        5.72435  (19083104)                502671.98
3634825.90        5.90257  (19083104)
        504771.98   3634825.90       33.58826  (20082303)                504821.98
3634825.90       41.60029  (20082303)
        504871.98   3634825.90       35.22966  (20081401)                504921.98
3634825.90       27.68637  (20082024)
        504971.98   3634825.90       20.77561  (20082024)                505021.98
3634825.90       16.42772  (20082024)
        505071.98   3634825.90       15.47315  (20082024)                505121.98
3634825.90       14.74017  (20082303)
        505171.98   3634825.90       12.86963  (20082303)                505221.98
3634825.90       11.85571  (20082303)
        502221.98   3634875.90        4.09167  (19083104)                502271.98
3634875.90        4.22445  (19083104)
        502321.98   3634875.90        4.37036  (19083104)                502371.98
3634875.90        4.52470  (19083104)
        502421.98   3634875.90        4.68334  (19083104)                502471.98
3634875.90        4.84743  (19083104)
        502521.98   3634875.90        5.01805  (19083104)                502571.98
3634875.90        5.19602  (19083104)
        502621.98   3634875.90        5.38134  (19083104)                502671.98
3634875.90        5.57370  (19083104)
        504771.98   3634875.90       38.85583  (20082303)                504821.98
3634875.90       32.30027  (20082303)
        504871.98   3634875.90       42.60247  (19030707)                504921.98
3634875.90       31.02456  (20082106)
        504971.98   3634875.90       22.61008  (20082106)                505021.98
3634875.90       17.45169  (20082106)
        505071.98   3634875.90       15.11872  (20082024)                505121.98
3634875.90       14.48774  (20082024)
        505171.98   3634875.90       13.20439  (20082024)                505221.98
3634875.90       12.42639  (20082303)
        502221.98   3634925.90        4.02126  (21021102)                502271.98
3634925.90        4.07190  (21021102)
        502321.98   3634925.90        4.13200  (21021102)                502371.98
3634925.90        4.19384  (21021102)
        502421.98   3634925.90        4.25888  (21021102)                502471.98
3634925.90        4.38963  (19083104)
        502521.98   3634925.90        4.55991  (19083104)                502571.98
3634925.90        4.73617  (19083104)
        502621.98   3634925.90        4.91891  (19083104)                502671.98
3634925.90        5.11467  (19083104)
        504771.98   3634925.90       47.55311  (20082303)                504821.98
3634925.90       37.34424  (20082303)
        504871.98   3634925.90       55.59762  (19030707)                504921.98
```

```
3634925.90       37.70010  (20082302)
        504971.98   3634925.90       27.23736  (21011602)                505021.98
3634925.90       20.02357  (21011602)
        505071.98   3634925.90       16.60428  (20082106)                505121.98
3634925.90       15.44531  (20082106)
        505171.98   3634925.90       14.29822  (20082024)                505221.98
3634925.90       13.63669  (20082024)
        502221.98   3634975.90        4.06499  (21021102)                502271.98
3634975.90        4.11644  (21021102)
        502321.98   3634975.90        4.17299  (21021102)                502371.98
3634975.90        4.23516  (21021102)
        502421.98   3634975.90        4.29925  (21021102)                502471.98
3634975.90        4.36417  (21021102)
        502521.98   3634975.90        4.43493  (21021102)                502571.98
3634975.90        4.50560  (21021102)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 949
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3634975.90        4.58050  (21021102)                502671.98
3634975.90        4.65950  (21021102)
        504821.98   3634975.90       45.90752  (20082303)                504871.98
3634975.90       61.07540  (19102623)
        504921.98   3634975.90       47.54580  (20082302)                504971.98
3634975.90       30.68438  (21011602)
```

505021.98 3634975.90 23.80509 (21011602) 505071.98
3634975.90 19.89947 (21011602)
505121.98 3634975.90 19.11971 (21011602) 505171.98
3634975.90 17.55614 (20082106)
505221.98 3634975.90 15.80308 (20082106) 502221.98
3635025.90 4.15399 (21021102)
502271.98 3635025.90 4.20641 (21021102) 502321.98
3635025.90 4.26689 (21021102)
502371.98 3635025.90 4.32937 (21021102) 502421.98
3635025.90 4.39735 (21021102)
502471.98 3635025.90 4.46574 (21021102) 502521.98
3635025.90 4.53796 (21021102)
502571.98 3635025.90 4.61081 (21021102) 502621.98
3635025.90 4.68736 (21021102)
502671.98 3635025.90 4.76543 (21021102) 504871.98
3635025.90 60.61860 (19102623)
504921.98 3635025.90 61.14400 (19102623) 504971.98
3635025.90 39.83600 (20082301)
505021.98 3635025.90 27.68256 (20082301) 505071.98
3635025.90 23.79589 (21011602)
505121.98 3635025.90 24.06583 (21011602) 505171.98
3635025.90 22.29904 (21011602)
505221.98 3635025.90 19.68480 (20082106) 502221.98
3635075.90 4.28292 (21021102)
502271.98 3635075.90 4.34157 (21021102) 502321.98
3635075.90 4.41320 (21021102)
502371.98 3635075.90 4.47993 (21021102) 502421.98
3635075.90 4.55366 (21021102)
502471.98 3635075.90 4.62830 (21021102) 502521.98
3635075.90 4.70413 (21021102)
502571.98 3635075.90 4.78118 (21021102) 502621.98
3635075.90 4.86007 (21021102)
502671.98 3635075.90 4.94565 (21021102) 504921.98
3635075.90 89.40659 (19102623)
504971.98 3635075.90 57.04279 (20082301) 505021.98
3635075.90 37.69272 (20082301)
505071.98 3635075.90 31.79053 (20082301) 505121.98
3635075.90 29.54561 (20082302)
505171.98 3635075.90 29.19674 (20082302) 505221.98
3635075.90 26.03240 (21011602)
502221.98 3635125.90 4.45295 (21021102) 502271.98
3635125.90 4.51564 (21021102)
502321.98 3635125.90 4.59515 (21021102) 502371.98
3635125.90 4.67139 (21021102)
502421.98 3635125.90 4.75142 (21021102) 502471.98
3635125.90 4.83541 (21021102)
502521.98 3635125.90 4.91816 (21021102) 502571.98
3635125.90 5.00334 (21021102)
502621.98 3635125.90 5.09292 (21021102) 502671.98
3635125.90 5.18481 (21021102)

```
        505021.98   3635125.90       59.58986  (20082301)                505071.98
3635125.90       47.21542  (20082301)
        505121.98   3635125.90       50.59332  (21091903)                505171.98
3635125.90       48.07814  (20020404)
        505221.98   3635125.90       33.67239  (20020404)                502221.98
3635175.90        4.64039  (21021102)
        502271.98   3635175.90        4.71104  (21021102)                502321.98
3635175.90        4.79812  (21021102)
        502371.98   3635175.90        4.88471  (21021102)                502421.98
3635175.90        4.97391  (21021102)
        502471.98   3635175.90        5.06655  (21021102)                502521.98
3635175.90        5.16179  (21021102)
        502571.98   3635175.90        5.25645  (21021102)                502621.98
3635175.90        5.35338  (21021102)
        502671.98   3635175.90        5.45927  (21021102)                505121.98
3635175.90       49.67097  (19102623)
        505171.98   3635175.90       52.05928  (20022105)                505221.98
3635175.90       55.12871  (19030707)
        502221.98   3635225.90        4.81623  (21021102)                502271.98
3635225.90        4.89942  (21021102)
        502321.98   3635225.90        4.98921  (21021102)                502371.98
3635225.90        5.08349  (21021102)
        502421.98   3635225.90        5.18150  (21021102)                502471.98
3635225.90        5.28264  (21021102)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 950
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
```

```
Y-COORD (M)        CONC     (YYMMDDHH)
 - - -
```

3635475.90   4.70604 (21021102)
        502371.98   3635475.90   4.77954 (21021102)   502421.98
3635475.90   4.85526 (21021102)
        502471.98   3635475.90   5.37659 (21011719)   502521.98
3635475.90   5.01063 (21021102)
        502571.98   3635475.90   5.09071 (21021102)   502621.98
3635475.90   5.17314 (21021102)
        502671.98   3635475.90   5.26087 (21021102)   504771.98
3635475.90   19.25529 (21011719)
        504821.98   3635475.90   20.17686 (21011719)   504871.98
3635475.90   21.09333 (21013118)
        504921.98   3635475.90   22.26513 (21013118)   502221.98
3635525.90   4.86393 (21011719)
        502271.98   3635525.90   4.25065 (21021102)   502321.98
3635525.90   4.30488 (21021102)
        502371.98   3635525.90   4.35957 (21021102)   502421.98
3635525.90   4.41650 (21021102)
        502471.98   3635525.90   5.05430 (21011719)   502521.98
3635525.90   4.53138 (21021102)
        502571.98   3635525.90   4.58824 (21021102)   502621.98
3635525.90   4.67744 (21011719)
        502671.98   3635525.90   5.54574 (21011719)   502721.98
3635525.90   5.68206 (21011719)
        502771.98   3635525.90   5.78201 (21011719)   502821.98
3635525.90   5.87273 (21011719)
        502871.98   3635525.90   5.14392 (21011719)   502921.98
3635525.90   5.05998 (20122320)
        502971.98   3635525.90   5.14422 (21012023)   503021.98
3635525.90   5.22551 (21012023)
        503071.98   3635525.90   5.22037 (21021102)   503121.98
3635525.90   5.27610 (21021102)
        503171.98   3635525.90   5.34176 (21021102)   503221.98
3635525.90   5.51713 (19050903)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                                    INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
                   L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
                   L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
                   L0001016   , L0001017   , L0001018   , L0001019   , L0001020

, L0001021   , L0001022   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635525.90	5.70771	(19050903)	503321.98	3635525.90	5.89317	(19050903)
503371.98	3635525.90	6.05156	(19050903)	503421.98	3635525.90	6.27036	(19050903)
503471.98	3635525.90	6.80977	(20042421)	503521.98	3635525.90	7.12952	(20042421)
503571.98	3635525.90	6.98576	(19050903)	503621.98	3635525.90	7.32009	(19050903)
503671.98	3635525.90	7.59995	(19050903)	503721.98	3635525.90	7.90111	(19050903)
503771.98	3635525.90	8.20448	(19050903)	503821.98	3635525.90	8.44506	(19050903)
503871.98	3635525.90	8.86448	(19050903)	503921.98	3635525.90	9.16578	(19050903)
503971.98	3635525.90	9.44821	(19050903)	504021.98	3635525.90	9.89325	(19050903)
504071.98	3635525.90	10.21195	(19050903)	504121.98	3635525.90	10.55430	(19050903)
504171.98	3635525.90	10.90539	(19050903)	504221.98	3635525.90	11.20414	(19050903)
504271.98	3635525.90	11.55452	(19050903)	504321.98	3635525.90	11.85738	(19050903)
504371.98	3635525.90	12.12811	(19050903)	504421.98	3635525.90	12.37848	(19050903)
504471.98	3635525.90	12.58920	(19050903)	504521.98	3635525.90	13.29837	(21011719)
504571.98	3635525.90	14.22451	(21011719)	504621.98	3635525.90	15.12079	(21011719)
504671.98	3635525.90	15.97540	(21011719)	504721.98	3635525.90	16.76321	(21011719)
504771.98	3635525.90	17.40118	(21011719)	504821.98	3635525.90	18.01611	(21011719)
504871.98	3635525.90	19.01251	(21013118)	504921.98	3635525.90	20.16693	(21013118)
504971.98	3635525.90	20.70409	(21013118)	505021.98	3635525.90	20.55992	(21013118)
505071.98	3635525.90	23.99144	(20011620)	505121.98	3635525.90	30.28478	(20011620)

```
        505171.98   3635525.90       34.51663  (20011620)                505221.98
3635525.90       35.09195  (20011620)
        502221.98   3635575.90        4.89998  (19012720)                502271.98
3635575.90        4.74027  (21011719)
        502321.98   3635575.90        3.82272  (21021102)                502371.98
3635575.90        4.00338  (21011719)
        502421.98   3635575.90        4.98082  (21011719)                502471.98
3635575.90        4.87287  (21011719)
        502521.98   3635575.90        3.95313  (21021102)                502571.98
3635575.90        4.35126  (21011719)
        502621.98   3635575.90        5.13135  (21011719)                502671.98
3635575.90        5.49823  (21011719)
        502721.98   3635575.90        5.56860  (21011719)                502771.98
3635575.90        5.67734  (21011719)
        502821.98   3635575.90        5.77025  (21011719)                502871.98
3635575.90        5.85246  (21011719)
        502921.98   3635575.90        5.90369  (21011719)                502971.98
3635575.90        6.01333  (21011719)
        503021.98   3635575.90        6.07162  (21011719)                503071.98
3635575.90        5.21621  (19050903)
        503121.98   3635575.90        5.37353  (19050903)                503171.98
3635575.90        5.54101  (19050903)
        503221.98   3635575.90        5.71236  (20042421)                503271.98
3635575.90        6.26432  (20042421)
        503321.98   3635575.90        6.47397  (20042421)                503371.98
3635575.90        6.76869  (20042421)
        503421.98   3635575.90        6.92950  (20042421)                503471.98
3635575.90        7.32549  (20042421)
        503521.98   3635575.90        7.48871  (20042421)                503571.98
3635575.90        7.36948  (20042421)
        503621.98   3635575.90        7.38581  (19050903)                503671.98
3635575.90        7.69743  (19050903)
        503721.98   3635575.90        7.94722  (19050903)                503771.98
3635575.90        8.18927  (19050903)
        503821.98   3635575.90        8.47639  (19050903)                503871.98
3635575.90        8.70730  (19050903)
        503921.98   3635575.90        8.92432  (19050903)                503971.98
3635575.90        9.14458  (19050903)
        504021.98   3635575.90        9.45080  (19050903)                504071.98
3635575.90        9.67390  (19050903)
        504121.98   3635575.90        9.89172  (19050903)                504171.98
3635575.90       10.09282  (19050903)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 952
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***

INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504221.98	3635575.90	10.26455	(19050903)	504271.98	3635575.90	10.39701	(19050903)
504321.98	3635575.90	10.53685	(19050903)	504371.98	3635575.90	10.92841	(21011719)
504421.98	3635575.90	11.62203	(21011719)	504471.98	3635575.90	12.28271	(21011719)
504521.98	3635575.90	12.98215	(21011719)	504571.98	3635575.90	13.62098	(21011719)
504621.98	3635575.90	14.27447	(21011719)	504671.98	3635575.90	14.79591	(21011719)
504721.98	3635575.90	15.27250	(21011719)	504771.98	3635575.90	15.73252	(21011719)
504821.98	3635575.90	16.18880	(21011719)	504871.98	3635575.90	17.23620	(21013118)
504921.98	3635575.90	18.38580	(21013118)	504971.98	3635575.90	19.01925	(21013118)
505021.98	3635575.90	18.94533	(21013118)	505071.98	3635575.90	18.12199	(21011719)
505121.98	3635575.90	30.85962	(21090701)	505171.98	3635575.90	28.44710	(20011620)
505221.98	3635575.90	33.11806	(20011620)	502221.98	3635625.90	5.01748	(19012720)
502271.98	3635625.90	4.79805	(21011719)	502321.98	3635625.90	4.90611	(21011719)
502371.98	3635625.90	4.80475	(21011719)	502421.98	3635625.90	4.99536	(21011719)
502471.98	3635625.90	5.05156	(21011719)	502521.98	3635625.90	5.12498	(21011719)
502571.98	3635625.90	5.28406	(21011719)	502621.98			

3635625.90 5.00983 (21011719)
502671.98 3635625.90 5.41369 (21011719) 502721.98
3635625.90 5.46805 (21011719)
502771.98 3635625.90 5.54194 (21011719) 502821.98
3635625.90 5.60856 (21011719)
502871.98 3635625.90 5.67536 (21011719) 502921.98
3635625.90 5.74372 (21011719)
502971.98 3635625.90 5.81203 (21011719) 503021.98
3635625.90 5.89180 (19012005)
503071.98 3635625.90 5.98820 (19012005) 503121.98
3635625.90 6.07846 (19012005)
503171.98 3635625.90 6.24003 (19091321) 503221.98
3635625.90 6.51938 (20012222)
503271.98 3635625.90 6.55011 (20042421) 503321.98
3635625.90 6.71765 (20042421)
503371.98 3635625.90 6.87925 (20042421) 503421.98
3635625.90 7.02845 (20042421)
503471.98 3635625.90 9.43785 (19120121) 503521.98
3635625.90 10.31386 (19120121)
503571.98 3635625.90 7.50823 (20042421) 503621.98
3635625.90 7.29088 (20042421)
503671.98 3635625.90 7.41777 (19050903) 503721.98
3635625.90 7.61228 (19050903)
503771.98 3635625.90 7.79811 (19050903) 503821.98
3635625.90 8.01071 (19050903)
503871.98 3635625.90 8.30689 (19050903) 503921.98
3635625.90 8.44888 (19050903)
503971.98 3635625.90 8.57967 (19050903) 504021.98
3635625.90 8.71412 (19050903)
504071.98 3635625.90 8.81464 (19050903) 504121.98
3635625.90 8.90507 (19050903)
504171.98 3635625.90 8.97495 (19050903) 504221.98
3635625.90 9.15747 (21011719)
504271.98 3635625.90 9.72575 (21011719) 504321.98
3635625.90 10.27584 (21011719)
504371.98 3635625.90 10.85996 (21011719) 504421.98
3635625.90 11.44230 (21011719)
504471.98 3635625.90 11.96411 (21011719) 504521.98
3635625.90 12.45148 (21011719)
504571.98 3635625.90 12.86126 (21011719) 504621.98
3635625.90 13.25941 (21011719)
504671.98 3635625.90 13.61119 (21011719) 504721.98
3635625.90 13.96877 (21011719)
504771.98 3635625.90 14.32199 (21011719) 504821.98
3635625.90 14.65505 (21011719)
504871.98 3635625.90 15.74782 (21013118) 504921.98
3635625.90 16.87330 (21013118)
504971.98 3635625.90 17.58286 (21013118) 505021.98
3635625.90 17.46306 (21013118)
505071.98 3635625.90 16.65350 (21013118) 505121.98

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505171.98	3635625.90	22.71058	(20011620)	505221.98	3635625.90	26.61681	(20011620)
502221.98	3635675.90	5.98487	(20012222)	502271.98	3635675.90	4.95669	(19012720)
502321.98	3635675.90	4.92032	(19012720)	502371.98	3635675.90	4.84030	(21011719)
502421.98	3635675.90	4.96692	(19012720)	502471.98	3635675.90	4.98705	(19012720)
502521.98	3635675.90	5.03480	(21011719)	502571.98	3635675.90	5.15066	(21011719)
502621.98	3635675.90	5.25219	(21011719)	502671.98	3635675.90	5.32540	(21011719)
502721.98	3635675.90	5.35734	(21011719)	502771.98	3635675.90	5.42461	(21052423)
502821.98	3635675.90	5.51790	(21052423)	502871.98	3635675.90	5.59511	(21052423)
502921.98	3635675.90	8.07173	(20012222)	502971.98	3635675.90	7.82325	(20012222)
503021.98	3635675.90	8.66383	(20012222)	503071.98	3635675.90	8.80419	(19091802)

503121.98 3635675.90 9.52384 (19091802) 503171.98 3635675.90 10.09298 (19120121)
503221.98 3635675.90 9.59458 (19120121) 503271.98 3635675.90 9.78605 (19120121)
503321.98 3635675.90 10.27334 (19120121) 503371.98 3635675.90 10.42241 (19120121)
503421.98 3635675.90 9.96925 (19120121) 503471.98 3635675.90 11.16659 (19120121)
503521.98 3635675.90 12.20512 (19120121) 503571.98 3635675.90 9.56441 (19120121)
503621.98 3635675.90 7.47709 (20042421) 503671.98 3635675.90 7.38781 (20101023)
503721.98 3635675.90 7.80754 (20101023) 503771.98 3635675.90 8.03276 (20101023)
503821.98 3635675.90 7.90003 (20101023) 503871.98 3635675.90 7.70610 (20101023)
503921.98 3635675.90 8.12073 (19031924) 503971.98 3635675.90 8.19036 (19031924)
504021.98 3635675.90 7.74348 (19050903) 504071.98 3635675.90 7.80521 (21011719)
504121.98 3635675.90 8.25703 (21011719) 504171.98 3635675.90 8.74429 (21011719)
504221.98 3635675.90 9.24735 (21011719) 504271.98 3635675.90 9.74946 (21011719)
504321.98 3635675.90 10.22078 (21011719) 504371.98 3635675.90 10.65310 (21011719)
504421.98 3635675.90 11.06500 (21011719) 504471.98 3635675.90 11.44914 (21011719)
504521.98 3635675.90 11.78166 (21011719) 504571.98 3635675.90 12.04160 (21011719)
504621.98 3635675.90 12.33027 (21011719) 504671.98 3635675.90 12.57288 (21011719)
504721.98 3635675.90 12.82089 (21011719) 504771.98 3635675.90 13.10861 (21011719)
504821.98 3635675.90 13.30131 (21011719) 504871.98 3635675.90 14.48001 (21013118)
504921.98 3635675.90 15.56235 (21013118) 504971.98 3635675.90 16.31440 (21013118)
505021.98 3635675.90 16.42288 (21013118) 505071.98 3635675.90 15.80088 (21013118)
505121.98 3635675.90 14.83794 (21013118) 505171.98 3635675.90 17.92912 (20011620)
505221.98 3635675.90 21.85439 (20011620) 502221.98 3635725.90 6.84440 (20012222)
502271.98 3635725.90 4.93355 (19012720) 502321.98 3635725.90 4.92599 (19012720)
502371.98 3635725.90 4.77432 (21011719) 502421.98 3635725.90 4.96196 (19012720)
502471.98 3635725.90 4.95406 (19012720) 502521.98 3635725.90 5.04895 (19012720)

```
        502571.98   3635725.90        5.06960  (21011719)               502621.98
3635725.90        5.16817  (21011719)
        502671.98   3635725.90        5.21059  (21011719)               502721.98
3635725.90        5.24777  (21011719)
        502771.98   3635725.90        5.35831  (21052423)               502821.98
3635725.90        5.53752  (19120121)
        502871.98   3635725.90        6.47527  (19120121)               502921.98
3635725.90        9.07109  (19120121)
        502971.98   3635725.90        9.62178  (19120121)               503021.98
3635725.90       10.86583  (19120121)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 954
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        503071.98   3635725.90       11.03064  (19120121)               503121.98
3635725.90       11.23817  (19120121)
        503171.98   3635725.90       11.37945  (19120121)               503221.98
3635725.90       11.03046  (19120121)
        503271.98   3635725.90       11.22759  (19120121)               503321.98
3635725.90       11.47528  (19120121)
        503371.98   3635725.90       11.54817  (19120121)               503421.98
3635725.90       10.95026  (19120121)
        503471.98   3635725.90       10.91222  (19120121)               503521.98
3635725.90       11.45876  (20021521)
        503571.98   3635725.90        9.24543  (20021521)               503621.98
```

```
3635725.90        8.35419  (20021521)
        503671.98   3635725.90        7.48455  (20101023)                503721.98
3635725.90        7.84457  (20101023)
        503771.98   3635725.90        8.03133  (20101023)                503821.98
3635725.90        7.90195  (20101023)
        503871.98   3635725.90        7.70912  (19031924)                503921.98
3635725.90        8.01353  (19031924)
        503971.98   3635725.90        8.18361  (19031924)                504021.98
3635725.90        7.54908  (21011719)
        504071.98   3635725.90        7.96678  (21011719)                504121.98
3635725.90        8.39132  (21011719)
        504171.98   3635725.90        8.82275  (21011719)                504221.98
3635725.90        9.25597  (21011719)
        504271.98   3635725.90        9.64842  (21011719)                504321.98
3635725.90        9.98746  (21011719)
        504371.98   3635725.90       10.30120  (21011719)                504421.98
3635725.90       10.56731  (21011719)
        504471.98   3635725.90       10.82606  (21011719)                504521.98
3635725.90       11.05402  (21011719)
        504571.98   3635725.90       11.24821  (21011719)                504621.98
3635725.90       11.44825  (21011719)
        504671.98   3635725.90       11.63444  (21011719)                504721.98
3635725.90       11.77875  (21011719)
        504771.98   3635725.90       11.90995  (21011719)                504821.98
3635725.90       12.27968  (21013118)
        504871.98   3635725.90       13.37871  (21013118)                504921.98
3635725.90       14.41011  (21013118)
        504971.98   3635725.90       15.18434  (21013118)                505021.98
3635725.90       15.46197  (21013118)
        505071.98   3635725.90       15.06157  (21013118)                505121.98
3635725.90       14.22888  (21013118)
        505171.98   3635725.90       13.95970  (20011620)                505221.98
3635725.90       17.53824  (20011620)
        502221.98   3635775.90        6.74822  (20012222)                502271.98
3635775.90        4.85841  (19012720)
        502321.98   3635775.90        4.89961  (19012720)                502371.98
3635775.90        4.75562  (19012720)
        502421.98   3635775.90        4.89848  (19012720)                502471.98
3635775.90        4.91397  (19012720)
        502521.98   3635775.90        4.96037  (21052423)                502571.98
3635775.90        4.99217  (21052423)
        502621.98   3635775.90        5.02380  (21052423)                502671.98
3635775.90        5.10149  (21052423)
        502721.98   3635775.90        5.14480  (21011719)                502771.98
3635775.90        5.21328  (19012005)
        502821.98   3635775.90        5.63128  (19120121)                502871.98
3635775.90        7.34381  (19120121)
        502921.98   3635775.90        9.71452  (19120121)                502971.98
3635775.90       10.21730  (19120121)
        503021.98   3635775.90       10.30075  (20021521)                503071.98
```

3635775.90   10.52460 (20021521)
        503121.98   3635775.90   10.68365 (20021521)   503171.98
3635775.90   10.95515 (20021521)
        503221.98   3635775.90   10.02567 (20021521)   503271.98
3635775.90   9.94866 (19050903)
        503321.98   3635775.90   10.21448 (21012721)   503371.98
3635775.90   11.27836 (21012721)
        503421.98   3635775.90   11.73968 (20021521)   503471.98
3635775.90   11.67488 (20021521)
        503521.98   3635775.90   11.98699 (21012721)   503571.98
3635775.90   11.86903 (21012721)
        503621.98   3635775.90   11.41941 (21012721)   503671.98
3635775.90   8.35062 (21121021)
        503721.98   3635775.90   7.68695 (20101023)   503771.98
3635775.90   7.90413 (20101023)
        503821.98   3635775.90   8.01383 (19031924)   503871.98
3635775.90   8.25933 (19031924)
        503921.98   3635775.90   8.60797 (19031924)   503971.98
3635775.90   8.71753 (19031924)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                                 INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
                 L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
                 L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
                 L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        504021.98   3635775.90   7.57173 (21011719)   504071.98
3635775.90   8.27196 (19101219)

```
        504121.98   3635775.90        8.44279  (21011719)              504171.98
3635775.90        8.78714  (21011719)
        504221.98   3635775.90        9.10844  (21011719)              504271.98
3635775.90        9.38928  (21011719)
        504321.98   3635775.90        9.62092  (21011719)              504371.98
3635775.90        9.82552  (21011719)
        504421.98   3635775.90       10.00675  (21011719)              504471.98
3635775.90       10.18467  (21011719)
        504521.98   3635775.90       10.34341  (21011719)              504571.98
3635775.90       10.47880  (21011719)
        504621.98   3635775.90       10.60779  (21011719)              504671.98
3635775.90       10.70452  (21011719)
        504721.98   3635775.90       10.76719  (21011719)              504771.98
3635775.90       10.80256  (21011719)
        504821.98   3635775.90       11.43482  (21013118)              504871.98
3635775.90       12.42979  (21013118)
        504921.98   3635775.90       13.39443  (21013118)              504971.98
3635775.90       14.17599  (21013118)
        505021.98   3635775.90       14.54713  (21013118)              505071.98
3635775.90       14.33365  (21013118)
        505121.98   3635775.90       13.65336  (21013118)              505171.98
3635775.90       12.62308  (21013118)
        505221.98   3635775.90       13.92652  (20011620)              502221.98
3635825.90        6.83477  (19091802)
        502271.98   3635825.90        5.13445  (19120121)              502321.98
3635825.90        4.81630  (19012720)
        502371.98   3635825.90        4.70982  (21052423)              502421.98
3635825.90        4.81062  (19012720)
        502471.98   3635825.90        4.83558  (21052423)              502521.98
3635825.90        4.88796  (21052423)
        502571.98   3635825.90        4.94413  (21052423)              502621.98
3635825.90        4.98614  (21052423)
        502671.98   3635825.90        5.04644  (21052423)              502721.98
3635825.90        5.12418  (21052423)
        502771.98   3635825.90        5.18355  (21052423)              502821.98
3635825.90        6.34615  (19120121)
        502871.98   3635825.90        7.75249  (19120121)              502921.98
3635825.90        9.86184  (20021521)
        502971.98   3635825.90       10.08715  (20021521)              503021.98
3635825.90        9.68073  (20021521)
        503071.98   3635825.90        9.57083  (21012721)              503121.98
3635825.90        9.78966  (21012721)
        503171.98   3635825.90       10.08860  (21012721)              503221.98
3635825.90        9.25227  (19050903)
        503271.98   3635825.90        9.26083  (19040204)              503321.98
3635825.90        9.47199  (21121021)
        503371.98   3635825.90       10.62403  (21121021)              503421.98
3635825.90       11.10381  (21121021)
        503471.98   3635825.90       11.42444  (21121021)              503521.98
3635825.90       10.10651  (21121021)
```

```
        503571.98   3635825.90       10.40390  (21121021)               503621.98
3635825.90       11.37662  (21121021)
        503671.98   3635825.90       11.23744  (21121021)               503721.98
3635825.90        9.47322  (21121021)
        503771.98   3635825.90        7.71140  (20101023)               503821.98
3635825.90        7.94295  (19031924)
        503871.98   3635825.90        8.17940  (19031924)               503921.98
3635825.90        8.37909  (19031924)
        503971.98   3635825.90        8.59408  (19031924)               504021.98
3635825.90        7.96556  (19031924)
        504071.98   3635825.90        8.95573  (19101219)               504121.98
3635825.90        9.08197  (19101219)
        504171.98   3635825.90        8.57851  (19101219)               504221.98
3635825.90        8.67919  (20071102)
        504271.98   3635825.90        9.27566  (20071102)               504321.98
3635825.90        9.05446  (21011719)
        504371.98   3635825.90        9.30956  (21011719)               504421.98
3635825.90        9.43309  (21011719)
        504471.98   3635825.90        9.54935  (21011719)               504521.98
3635825.90        9.65011  (21011719)
        504571.98   3635825.90        9.71823  (21011719)               504621.98
3635825.90        9.76749  (21011719)
        504671.98   3635825.90        9.78018  (21011719)               504721.98
3635825.90        9.83771  (21012024)
        504771.98   3635825.90        9.86888  (21012024)               504821.98
3635825.90       10.68622  (21013118)
        504871.98   3635825.90       11.59631  (21013118)               504921.98
3635825.90       12.49626  (21013118)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 956
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504971.98	3635825.90	13.25464	(21013118)	505021.98	3635825.90	13.68956	(21013118)
505071.98	3635825.90	13.66973	(21013118)	505121.98	3635825.90	13.13189	(21013118)
505171.98	3635825.90	12.24699	(21013118)	505221.98	3635825.90	11.26123	(21013118)
502221.98	3635875.90	7.76681	(19120121)	502271.98	3635875.90	5.66213	(19120121)
502321.98	3635875.90	4.67485	(19012720)	502371.98	3635875.90	4.66689	(21052423)
502421.98	3635875.90	4.70874	(21052423)	502471.98	3635875.90	4.76366	(21052423)
502521.98	3635875.90	5.55393	(19120121)	502571.98	3635875.90	4.95085	(19050903)
502621.98	3635875.90	5.76171	(19120121)	502671.98	3635875.90	5.82750	(19120121)
502721.98	3635875.90	5.75325	(19120121)	502771.98	3635875.90	5.80824	(20021521)
502821.98	3635875.90	7.05440	(20021521)	502871.98	3635875.90	8.09632	(20021521)
502921.98	3635875.90	9.49701	(21012721)	502971.98	3635875.90	9.63275	(21012721)
503021.98	3635875.90	8.95077	(21012721)	503071.98	3635875.90	8.90788	(21121021)
503121.98	3635875.90	9.11272	(21121021)	503171.98	3635875.90	9.44720	(21121021)
503221.98	3635875.90	9.23249	(21121021)	503271.98	3635875.90	8.98129	(21121021)
503321.98	3635875.90	9.62066	(21121021)	503371.98	3635875.90	9.78133	(21121021)
503421.98	3635875.90	10.18934	(21121021)	503471.98	3635875.90	10.16893	(19110921)
503521.98	3635875.90	9.56232	(19020604)	503571.98	3635875.90	9.73345	(19120120)
503621.98	3635875.90	10.92048	(19110921)	503671.98	3635875.90	10.30678	(21121021)
503721.98	3635875.90	9.12409	(21121021)	503771.98	3635875.90	7.98504	(19110921)
503821.98	3635875.90	8.43206	(19110921)	503871.98	3635875.90	9.79361	(19110921)
503921.98	3635875.90	9.30838	(19120120)	503971.98	3635875.90	8.73289	(19120120)
504021.98	3635875.90	8.44429	(19031924)	504071.98			

```
3635875.90        8.92272  (19101219)
        504121.98   3635875.90        9.19814  (19101219)                504171.98
3635875.90        9.17980  (20071102)
        504221.98   3635875.90        9.68355  (20071102)                504271.98
3635875.90       10.00201  (20071102)
        504321.98   3635875.90        9.58994  (19122420)                504371.98
3635875.90        9.96114  (19122420)
        504421.98   3635875.90       10.35481  (19122420)                504471.98
3635875.90        8.90346  (21011719)
        504521.98   3635875.90        8.93427  (21011719)                504571.98
3635875.90        8.93656  (21011719)
        504621.98   3635875.90        9.01817  (21012024)                504671.98
3635875.90        9.30497  (21012024)
        504721.98   3635875.90        9.42321  (21012024)                504771.98
3635875.90        9.44531  (21012024)
        504821.98   3635875.90       10.01014  (21013118)                504871.98
3635875.90       10.84962  (21013118)
        504921.98   3635875.90       11.69092  (21013118)                504971.98
3635875.90       12.43708  (21013118)
        505021.98   3635875.90       12.91365  (21013118)                505071.98
3635875.90       12.99671  (21013118)
        505121.98   3635875.90       12.64165  (21013118)                505171.98
3635875.90       11.89278  (21013118)
        505221.98   3635875.90       10.97613  (21013118)                502221.98
3635925.90        7.75729  (19120121)
        502271.98   3635925.90        6.16571  (19120121)                502321.98
3635925.90        5.64423  (19120121)
        502371.98   3635925.90        4.60077  (21052423)                502421.98
3635925.90        5.07180  (19120121)
        502471.98   3635925.90        5.17936  (19120121)                502521.98
3635925.90        6.10385  (19120121)
        502571.98   3635925.90        6.11633  (20021521)                502621.98
3635925.90        6.50078  (20021521)
        502671.98   3635925.90        6.71668  (20021521)                502721.98
3635925.90        6.73735  (20021521)
        502771.98   3635925.90        6.79837  (20021521)                502821.98
3635925.90        7.91443  (20021521)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 957
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                   INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
```

```
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502871.98   3635925.90        8.48717  (20021521)               502921.98
3635925.90        8.97450  (21121021)
        502971.98   3635925.90        9.07523  (21121021)               503021.98
3635925.90        8.58882  (21121021)
        503071.98   3635925.90        8.47683  (21121021)               503121.98
3635925.90        8.57724  (21121021)
        503171.98   3635925.90        8.64005  (21121021)               503221.98
3635925.90        8.53172  (21121021)
        503271.98   3635925.90        8.56793  (21121021)               503321.98
3635925.90        8.98719  (19110921)
        503371.98   3635925.90        9.34687  (19110921)               503421.98
3635925.90        9.57838  (19110921)
        503471.98   3635925.90        9.14190  (19020604)               503521.98
3635925.90        9.22569  (21032024)
        503571.98   3635925.90        9.29600  (21040704)               503621.98
3635925.90       10.61041  (19100422)
        503671.98   3635925.90       10.36531  (19110921)               503721.98
3635925.90        9.93677  (19110921)
        503771.98   3635925.90        9.90120  (19100422)               503821.98
3635925.90        9.73947  (19120120)
        503871.98   3635925.90        9.31441  (19120120)               503921.98
3635925.90        9.19512  (19120120)
        503971.98   3635925.90        9.20579  (20021924)               504021.98
3635925.90        8.37758  (19101219)
        504071.98   3635925.90        9.15957  (21011719)               504121.98
3635925.90       10.17811  (21011719)
        504171.98   3635925.90       10.80219  (21011719)               504221.98
3635925.90       11.45275  (21011719)
        504271.98   3635925.90       11.24257  (21011719)               504321.98
3635925.90        9.98681  (20071102)
        504371.98   3635925.90       10.53801  (19122420)               504421.98
3635925.90       11.03536  (19122420)
        504471.98   3635925.90       11.09419  (19122420)               504521.98
3635925.90       10.79636  (19122420)
```

```
        504571.98   3635925.90        8.32686  (20022207)               504621.98
3635925.90        8.68627  (21012024)
        504671.98   3635925.90        8.95038  (21012024)               504721.98
3635925.90        9.08156  (21012024)
        504771.98   3635925.90        9.08226  (21012024)               504821.98
3635925.90        9.39215  (21013118)
        504871.98   3635925.90       10.17748  (21013118)               504921.98
3635925.90       10.96519  (21013118)
        504971.98   3635925.90       11.68987  (21013118)               505021.98
3635925.90       12.21496  (21013118)
        505071.98   3635925.90       12.40840  (21013118)               505121.98
3635925.90       12.17337  (21013118)
        505171.98   3635925.90       11.56114  (21013118)               505221.98
3635925.90       12.57243  (21121422)
        502221.98   3635975.90        7.60449  (20021521)               502271.98
3635975.90        6.90135  (20021521)
        502321.98   3635975.90        6.31716  (20021521)               502371.98
3635975.90        5.33274  (20021521)
        502421.98   3635975.90        5.82968  (20021521)               502471.98
3635975.90        5.94881  (20021521)
        502521.98   3635975.90        6.60052  (20021521)               502571.98
3635975.90        6.24829  (20021521)
        502621.98   3635975.90        6.61023  (20021521)               502671.98
3635975.90        7.17010  (20021521)
        502721.98   3635975.90        7.27068  (21012721)               502771.98
3635975.90        7.57165  (21012721)
        502821.98   3635975.90        8.35119  (21012721)               502871.98
3635975.90        8.41119  (21012721)
        502921.98   3635975.90        8.72040  (21121021)               502971.98
3635975.90        8.69646  (21121021)
        503021.98   3635975.90        8.09297  (21121021)               503071.98
3635975.90        8.02271  (21121021)
        503121.98   3635975.90        8.10170  (19020604)               503171.98
3635975.90        8.25657  (19020604)
        503221.98   3635975.90        8.39409  (19020604)               503271.98
3635975.90        8.45441  (19110921)
        503321.98   3635975.90        8.74201  (19120120)               503371.98
3635975.90        9.24592  (19120120)
        503421.98   3635975.90        8.71245  (19120120)               503471.98
3635975.90        8.92270  (21040704)
        503521.98   3635975.90        8.97266  (21040704)               503571.98
3635975.90        9.68372  (19120120)
        503621.98   3635975.90       10.31108  (19120120)               503671.98
3635975.90       10.36752  (21112918)
        503721.98   3635975.90       10.39183  (21112918)               503771.98
3635975.90       10.30125  (21112918)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503821.98	3635975.90	9.90643	(21112918)	503871.98	3635975.90	9.07390	(20021924)
503921.98	3635975.90	9.28892	(20021924)	503971.98	3635975.90	9.48247	(20021924)
504021.98	3635975.90	9.80053	(19012720)	504071.98	3635975.90	10.43049	(21011719)
504121.98	3635975.90	10.67254	(19012720)	504171.98	3635975.90	10.85422	(19012720)
504221.98	3635975.90	10.83458	(19111006)	504271.98	3635975.90	10.92791	(21011719)
504321.98	3635975.90	10.96427	(21011719)	504371.98	3635975.90	10.85853	(21011719)
504421.98	3635975.90	10.78811	(21011719)	504471.98	3635975.90	11.05344	(19122420)
504521.98	3635975.90	11.48908	(21062101)	504571.98	3635975.90	12.00729	(20092001)
504621.98	3635975.90	12.42441	(20092001)	504671.98	3635975.90	11.82055	(21060422)
504721.98	3635975.90	11.48114	(21060422)	504771.98	3635975.90	8.78122	(21013118)
504821.98	3635975.90	8.82304	(21013118)	504871.98	3635975.90	9.56761	(21013118)
504921.98	3635975.90	10.31012	(21013118)	504971.98	3635975.90	11.00735	(21013118)
505021.98	3635975.90	11.55077	(21013118)	505071.98			

3635975.90 11.82110 (21013118)
505121.98 3635975.90 11.72076 (21013118) 505171.98
3635975.90 11.24974 (21013118)
505221.98 3635975.90 10.49987 (21013118) 501721.98
3632475.90 2.71975 (19010119)
501821.98 3632475.90 2.64370 (19010119) 501921.98
3632475.90 2.49926 (19010119)
502021.98 3632475.90 2.29650 (19010119) 502121.98
3632475.90 2.04990 (19010119)
502221.98 3632475.90 1.77687 (19010119) 502321.98
3632475.90 2.61495 (21030103)
502421.98 3632475.90 3.63382 (21030103) 502521.98
3632475.90 4.67539 (21030103)
502621.98 3632475.90 5.52322 (21030103) 502721.98
3632475.90 5.96265 (21030103)
502821.98 3632475.90 6.30121 (20121603) 502921.98
3632475.90 7.53657 (20121603)
503021.98 3632475.90 8.54853 (20121603) 503121.98
3632475.90 9.23516 (20092124)
503221.98 3632475.90 8.85147 (20092124) 503321.98
3632475.90 9.28577 (20092124)
503421.98 3632475.90 9.49449 (20102407) 503721.98
3632475.90 8.52702 (20111701)
503821.98 3632475.90 7.36454 (20090124) 503921.98
3632475.90 6.79663 (21020924)
504021.98 3632475.90 6.16184 (21020924) 504121.98
3632475.90 5.67386 (21111005)
504221.98 3632475.90 4.72554 (21111005) 504321.98
3632475.90 3.98300 (19082022)
504421.98 3632475.90 4.34821 (20101121) 504521.98
3632475.90 4.51717 (20101121)
504621.98 3632475.90 3.73515 (20081802) 504721.98
3632475.90 3.51109 (20082921)
504821.98 3632475.90 3.50859 (20081802) 504921.98
3632475.90 3.29295 (20081802)
505021.98 3632475.90 2.86836 (20022622) 505121.98
3632475.90 2.77781 (21013120)
505221.98 3632475.90 2.66417 (21120822) 505321.98
3632475.90 2.61822 (21120822)
505421.98 3632475.90 2.58107 (21120822) 505521.98
3632475.90 2.54737 (21120822)
505621.98 3632475.90 2.51145 (21120822) 505721.98
3632475.90 2.48741 (21120822)
501721.98 3632575.90 2.88721 (19010119) 501821.98
3632575.90 2.90135 (19010119)
501921.98 3632575.90 2.83789 (19010119) 502021.98
3632575.90 2.69749 (19010119)
502121.98 3632575.90 2.48659 (19010119) 502221.98
3632575.90 2.21912 (19010119)
502321.98 3632575.90 1.93898 (21030103) 502421.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKN   ***
                                   INCLUDING SOURCE(S):   L0000995   , L0000996
, L0000997   , L0000998   , L0000999   ,
                L0001000   , L0001001   , L0001002   , L0001003   , L0001004
, L0001005   , L0001006   , L0001007   ,
                L0001008   , L0001009   , L0001010   , L0001011   , L0001012
, L0001013   , L0001014   , L0001015   ,
                L0001016   , L0001017   , L0001018   , L0001019   , L0001020
, L0001021   , L0001022   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502921.98   3632575.90   7.18045 (20121603)   503021.98
3632575.90   8.22877 (20121603)
        503121.98   3632575.90   9.15941 (20121603)   503221.98
3632575.90   10.08563 (20092124)
        503321.98   3632575.90   10.93469 (20092124)   503421.98
3632575.90   10.06881 (20090205)
        503721.98   3632575.90   8.92713 (20111701)   503821.98
3632575.90   7.20258 (21020924)
        503921.98   3632575.90   5.59871 (21020924)   504021.98
3632575.90   4.98968 (21020924)
        504121.98   3632575.90   4.61420 (21111005)   504221.98
3632575.90   4.17505 (21111005)
        504321.98   3632575.90   3.80155 (19101521)   504421.98
3632575.90   3.75807 (20050102)
        504521.98   3632575.90   4.06996 (20101121)   504621.98
3632575.90   3.81914 (20081802)

```
        504721.98   3632575.90        3.48410  (20082921)               504821.98
3632575.90        3.36206  (20081802)
        504921.98   3632575.90        3.06302  (20081802)               505021.98
3632575.90        2.93725  (20022622)
        505121.98   3632575.90        2.84000  (21013120)               505221.98
3632575.90        2.73342  (21120822)
        505321.98   3632575.90        2.68601  (21120822)               505421.98
3632575.90        2.64472  (21120822)
        505521.98   3632575.90        2.61013  (21120822)               505621.98
3632575.90        2.57314  (21120822)
        505721.98   3632575.90        2.53007  (21120822)               501721.98
3632675.90        3.22839  (21111004)
        501821.98   3632675.90        3.05504  (19010119)               501921.98
3632675.90        3.09680  (19010119)
        502021.98   3632675.90        3.05413  (19010119)               502121.98
3632675.90        2.91761  (19010119)
        502221.98   3632675.90        2.69626  (19010119)               502321.98
3632675.90        2.41267  (19010119)
        502421.98   3632675.90        2.13805  (21030103)               502521.98
3632675.90        3.21398  (21030103)
        502621.98   3632675.90        4.47518  (21030103)               502721.98
3632675.90        5.68045  (21030103)
        502821.98   3632675.90        6.51331  (21030103)               502921.98
3632675.90        8.56887  (21030103)
        503021.98   3632675.90       10.75692  (20121603)               503721.98
3632675.90        9.19704  (20111701)
        503821.98   3632675.90        7.63029  (20111701)               503921.98
3632675.90        6.73951  (21020924)
        504021.98   3632675.90        5.57599  (21020924)               504121.98
3632675.90        4.74448  (21111005)
        504221.98   3632675.90        4.31863  (19101521)               504321.98
3632675.90        4.01708  (19101521)
        504421.98   3632675.90        3.88485  (20050102)               504521.98
3632675.90        3.76114  (20091518)
        504621.98   3632675.90        3.63830  (20082921)               504721.98
3632675.90        3.57635  (20082921)
        504821.98   3632675.90        3.37631  (20082921)               504921.98
3632675.90        3.08945  (20080820)
        505021.98   3632675.90        3.00914  (20022622)               505121.98
3632675.90        2.90181  (21013120)
        505221.98   3632675.90        2.80660  (21120822)               505321.98
3632675.90        2.75967  (21120822)
        505421.98   3632675.90        2.71651  (21120822)               505521.98
3632675.90        2.67903  (21120822)
        505621.98   3632675.90        2.63476  (21120822)               505721.98
3632675.90        2.55755  (21120822)
        502421.98   3632775.90        2.64071  (19010119)               502521.98
3632775.90        2.37200  (21030103)
        502621.98   3632775.90        3.59330  (21030103)               502721.98
3632775.90        4.99735  (21030103)
```

```
        502821.98   3632775.90        6.28170  (21030103)                502921.98
3632775.90       14.46205  (21030103)
        503021.98   3632775.90       14.88252  (21030103)                503121.98
3632775.90       14.19695  (20121603)
        503221.98   3632775.90       13.11079  (20121603)                503621.98
3632775.90       10.59408  (20102407)
        503721.98   3632775.90        9.56271  (20111701)                503821.98
3632775.90        7.37998  (20111701)
        503921.98   3632775.90        7.08679  (21020924)                504021.98
3632775.90        6.75206  (21020924)
        504121.98   3632775.90        5.64675  (21020924)                504221.98
3632775.90        4.62723  (21111005)
        504321.98   3632775.90        4.23591  (19101521)                504421.98
3632775.90        4.01577  (20050102)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 960
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                 L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                 L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                 L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        504521.98   3632775.90        3.90913  (20091518)                504621.98
3632775.90        3.72778  (20082921)
        504721.98   3632775.90        3.67315  (20082921)                504821.98
3632775.90        3.43939  (20082921)
        504921.98   3632775.90        3.17190  (20080820)                505021.98
3632775.90        3.08232  (20022622)
        505121.98   3632775.90        2.96477  (21013120)                505221.98
```

```
3632775.90        2.88257  (21120822)
        505321.98   3632775.90        2.83642  (21120822)                505421.98
3632775.90        2.79273  (21120822)
        505521.98   3632775.90        2.75039  (21120822)                505621.98
3632775.90        2.70061  (21120822)
        505721.98   3632775.90        2.61103  (21120822)                501721.98
3632875.90        4.37090  (21111004)
        501821.98   3632875.90        4.25762  (21111004)                501921.98
3632875.90        4.02093  (21111004)
        502021.98   3632875.90        3.66755  (21111004)                502121.98
3632875.90        3.53754  (19010119)
        502221.98   3632875.90        3.54091  (19010119)                502321.98
3632875.90        3.43171  (19010119)
        502421.98   3632875.90        3.20853  (19010119)                502521.98
3632875.90        2.88189  (19010119)
        502621.98   3632875.90        2.63711  (21030103)                502721.98
3632875.90        4.03284  (21030103)
        502821.98   3632875.90        5.60606  (21030103)                502921.98
3632875.90       15.63150  (20122620)
        503021.98   3632875.90       13.63374  (21030103)                503121.98
3632875.90       14.01299  (21030103)
        503221.98   3632875.90       14.05193  (20121603)                503321.98
3632875.90       12.95391  (20092124)
        503421.98   3632875.90       13.58602  (20092124)                503621.98
3632875.90       12.14632  (20090205)
        503721.98   3632875.90        9.92221  (20102407)                503821.98
3632875.90        7.90336  (19080102)
        503921.98   3632875.90        6.01501  (21020924)                504021.98
3632875.90        5.78411  (21020924)
        504121.98   3632875.90        5.40337  (21020924)                504221.98
3632875.90        4.76838  (21111005)
        504321.98   3632875.90        4.46202  (19101521)                504421.98
3632875.90        4.14959  (20050102)
        504521.98   3632875.90        4.06485  (20091518)                504621.98
3632875.90        3.85464  (20082921)
        504721.98   3632875.90        3.78899  (20082921)                504821.98
3632875.90        3.53997  (20082921)
        504921.98   3632875.90        3.25920  (20022622)                505021.98
3632875.90        3.15817  (20022622)
        505121.98   3632875.90        3.02861  (21013120)                505221.98
3632875.90        2.96962  (21120822)
        505321.98   3632875.90        2.91888  (21120822)                505421.98
3632875.90        2.87357  (21120822)
        505521.98   3632875.90        2.82075  (21120822)                505621.98
3632875.90        2.76623  (21120822)
        505721.98   3632875.90        2.65686  (21120822)                501721.98
3632975.90        4.62807  (21111004)
        501821.98   3632975.90        4.71216  (21111004)                501921.98
3632975.90        4.66555  (21111004)
        502021.98   3632975.90        4.47651  (21111004)                502121.98
```

3632975.90   4.14286 (21111004)
        505321.98   3632975.90   3.00747 (21120822)   505421.98
3632975.90   2.95966 (21120822)
        505521.98   3632975.90   2.91170 (21120822)   505621.98
3632975.90   2.83555 (20081802)
        505721.98   3632975.90   2.70523 (21120822)   501721.98
3633075.90   4.58403 (21111004)
        501821.98   3633075.90   4.86594 (21111004)   501921.98
3633075.90   5.04650 (21111004)
        502021.98   3633075.90   5.08694 (21111004)   502121.98
3633075.90   4.96879 (21111004)
        505321.98   3633075.90   3.10593 (21120822)   505421.98
3633075.90   3.05920 (21120822)
        505521.98   3633075.90   3.04472 (20081802)   505621.98
3633075.90   3.03143 (20082105)
        505721.98   3633075.90   2.92708 (20082105)   501721.98
3633175.90   4.24528 (21111004)
        501821.98   3633175.90   4.68818 (21111004)   501921.98
3633175.90   5.07242 (21111004)
        502021.98   3633175.90   5.36375 (21111004)   502121.98
3633175.90   5.50559 (21111004)
        505321.98   3633175.90   3.20974 (21120822)   505421.98
3633175.90   3.13897 (21120822)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN   ***
                                INCLUDING SOURCE(S):   L0000995   , L0000996 , L0000997   , L0000998   , L0000999   ,
                L0001000   , L0001001   , L0001002   , L0001003   , L0001004 , L0001005   , L0001006   , L0001007   ,
                L0001008   , L0001009   , L0001010   , L0001011   , L0001012 , L0001013   , L0001014   , L0001015   ,
                L0001016   , L0001017   , L0001018   , L0001019   , L0001020 , L0001021   , L0001022   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

```
 - - -
```

```
        505321.98   3633675.90        4.12802  (20082105)               505421.98
3633675.90        3.73436  (20082105)
        505521.98   3633675.90        3.86255  (20082105)               505621.98
3633675.90        4.14670  (20082105)
        505721.98   3633675.90        4.49173  (20082105)               501721.98
3633775.90        6.28107  (21012320)
        501821.98   3633775.90        6.41190  (21012320)               501921.98
3633775.90        6.50561  (21012320)
        502021.98   3633775.90        6.55343  (21012320)               502121.98
3633775.90        6.54140  (21012320)
        505321.98   3633775.90        4.29921  (20082105)               505421.98
3633775.90        4.04882  (20082105)
        505521.98   3633775.90        3.95709  (20082105)               505621.98
3633775.90        4.24674  (20082105)
        505721.98   3633775.90        4.69357  (20082105)               501721.98
3633875.90        6.28154  (21012320)
        501821.98   3633875.90        6.56344  (21012320)               501921.98
3633875.90        6.76740  (21012320)
        502021.98   3633875.90        7.00651  (21012320)               502121.98
3633875.90        7.17371  (21012320)
        505321.98   3633875.90        4.46182  (20082105)               505421.98
3633875.90        4.44478  (20082105)
        505521.98   3633875.90        4.38145  (20082105)               505621.98
3633875.90        4.42241  (20082105)
        505721.98   3633875.90        4.94008  (20082105)               501721.98
3633975.90        5.91154  (21012320)
        501821.98   3633975.90        6.28673  (21012320)               501921.98
3633975.90        6.64670  (21012320)
        502021.98   3633975.90        6.97968  (21012320)               502121.98
3633975.90        7.30740  (21012320)
        505321.98   3633975.90        4.74664  (20082105)               505421.98
3633975.90        4.81880  (20082105)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 962
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                  INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633975.90	4.83567	(20082105)	505621.98	3633975.90	4.91136	(20082105)
505721.98	3633975.90	5.21068	(20082105)	501721.98	3634075.90	5.22388	(21012320)
501821.98	3634075.90	5.67228	(21012320)	501921.98	3634075.90	6.11968	(21012320)
502021.98	3634075.90	6.55796	(21012320)	502121.98	3634075.90	6.98150	(21012320)
505321.98	3634075.90	5.11625	(20081603)	505421.98	3634075.90	5.22804	(20081603)
505521.98	3634075.90	5.62585	(20082105)	505621.98	3634075.90	5.71146	(20082105)
505721.98	3634075.90	5.42926	(20082105)	501721.98	3634175.90	4.28632	(21012320)
501821.98	3634175.90	4.77328	(21012320)	501921.98	3634175.90	5.26972	(21012320)
502021.98	3634175.90	5.73657	(21012320)	502121.98	3634175.90	6.26518	(21012320)
505321.98	3634175.90	6.29032	(20081603)	505421.98	3634175.90	6.37485	(20082105)
505521.98	3634175.90	6.41118	(20082105)	505621.98	3634175.90	5.82743	(20082105)
505721.98	3634175.90	5.30877	(20082105)	501721.98	3634275.90	4.11953	(19083104)
501821.98	3634275.90	4.21219	(19083104)	501921.98	3634275.90	4.31024	(19083104)
502021.98	3634275.90	4.66550	(21012320)	502121.98	3634275.90	5.20561	(21012320)
505321.98	3634275.90	7.50595	(20082805)	505421.98	3634275.90	7.33749	(20082105)
505521.98	3634275.90	6.33020	(20082805)	505621.98	3634275.90	5.88127	(20082805)
505721.98	3634275.90	5.35179	(20082805)	501721.98	3634375.90	4.27458	(19083104)
501821.98	3634375.90	4.38524	(19083104)	501921.98	3634375.90	4.48003	(19083104)
502021.98	3634375.90	4.58521	(19083104)	502121.98	3634375.90	4.70975	(19083104)
505321.98	3634375.90	8.86308	(20082306)	505421.98			

```
3634375.90        8.27498  (20082306)
        505521.98   3634375.90        6.54443  (20082306)                505621.98
3634375.90        5.69596  (20082306)
        505721.98   3634375.90        5.35204  (20082805)                501721.98
3634475.90        4.35026  (19083104)
        501821.98   3634475.90        4.48485  (19083104)                501921.98
3634475.90        4.61495  (19083104)
        502021.98   3634475.90        4.75124  (19083104)                502121.98
3634475.90        4.87310  (19083104)
        505321.98   3634475.90        9.46285  (20082306)                505421.98
3634475.90       10.03540  (20082306)
        505521.98   3634475.90        8.50052  (20082306)                505621.98
3634475.90        7.07214  (20082306)
        505721.98   3634475.90        5.78809  (20082306)                501721.98
3634575.90        4.29066  (19083104)
        501821.98   3634575.90        4.45354  (19083104)                501921.98
3634575.90        4.61914  (19083104)
        502021.98   3634575.90        4.79146  (19083104)                502121.98
3634575.90        4.96484  (19083104)
        505321.98   3634575.90        9.44585  (20082306)                505421.98
3634575.90       10.90769  (20082306)
        505521.98   3634575.90        9.98169  (20082306)                505621.98
3634575.90        7.87787  (20082306)
        505721.98   3634575.90        6.28694  (20082306)                501721.98
3634675.90        4.03959  (19083104)
        501821.98   3634675.90        4.24228  (19083104)                501921.98
3634675.90        4.44543  (19083104)
        502021.98   3634675.90        4.66053  (19083104)                502121.98
3634675.90        4.85447  (19083104)
        505321.98   3634675.90       10.19527  (20081806)                505421.98
3634675.90       11.70328  (20081806)
        505521.98   3634675.90       12.15632  (20081603)                505621.98
3634675.90       10.48090  (20081805)
        505721.98   3634675.90        8.41494  (20081805)                501721.98
3634775.90        3.56304  (19083104)
        501821.98   3634775.90        3.78276  (19083104)                501921.98
3634775.90        4.00139  (19083104)
        502021.98   3634775.90        4.24793  (19083104)                502121.98
3634775.90        4.49476  (19083104)
        505321.98   3634775.90       11.79509  (20082303)                505421.98
3634775.90       15.76928  (20092124)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 963
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
```

```
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                 INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        505521.98   3634775.90       14.44501  (19081924)                505621.98
3634775.90       14.40648  (20081805)
        505721.98   3634775.90       12.51452  (20081603)                501721.98
3634875.90        3.49735  (21021102)
        501821.98   3634875.90        3.59582  (21021102)                501921.98
3634875.90        3.69374  (21021102)
        502021.98   3634875.90        3.79784  (21021102)                502121.98
3634875.90        3.90187  (21021102)
        505321.98   3634875.90       15.41460  (20082303)                505421.98
3634875.90       19.20168  (20081401)
        505521.98   3634875.90       17.17386  (21012820)                505621.98
3634875.90       15.80963  (19081924)
        505721.98   3634875.90       17.62949  (20081603)                501721.98
3634975.90        3.56604  (21021102)
        501821.98   3634975.90        3.65795  (21021102)                501921.98
3634975.90        3.75617  (21021102)
        502021.98   3634975.90        3.85438  (21021102)                502121.98
3634975.90        3.95518  (21021102)
        505321.98   3634975.90       20.01320  (20082024)                505421.98
3634975.90       24.69648  (20081401)
        505521.98   3634975.90       23.08179  (20081401)                505621.98
3634975.90       20.16129  (20081401)
        505721.98   3634975.90       20.43382  (20081805)                501721.98
3635075.90        3.74393  (21021102)
        501821.98   3635075.90        3.84032  (21021102)                501921.98
3635075.90        3.94682  (21021102)
        502021.98   3635075.90        4.05571  (21021102)                502121.98
3635075.90        4.16614  (21021102)
        505321.98   3635075.90       29.16204  (21032721)                505421.98
3635075.90       29.10039  (20010802)
```

505521.98 3635075.90 24.99009 (20081401) 505621.98 3635075.90 27.12628 (20081805)
505721.98 3635075.90 21.67738 (20081401) 501721.98 3635175.90 3.98720 (21021102)
501821.98 3635175.90 4.10394 (21021102) 501921.98 3635175.90 4.65460 (21121021)
502021.98 3635175.90 4.35923 (21021102) 502121.98 3635175.90 4.49677 (21021102)
505321.98 3635175.90 38.57796 (20081603) 505421.98 3635175.90 36.03598 (20011806)
505521.98 3635175.90 32.62137 (20011806) 505621.98 3635175.90 29.00304 (20081603)
505721.98 3635175.90 27.31659 (21022220) 501721.98 3635275.90 4.89929 (20021521)
501821.98 3635275.90 4.70266 (21121021) 501921.98 3635275.90 4.80596 (21121021)
502021.98 3635275.90 4.85330 (21121021) 502121.98 3635275.90 4.78600 (21021102)
505621.98 3635275.90 69.52878 (20082306) 505721.98 3635275.90 55.39713 (20082306)
501721.98 3635375.90 5.85798 (21012722) 501821.98 3635375.90 4.86755 (21121021)
501921.98 3635375.90 4.91410 (21112918) 502021.98 3635375.90 4.98788 (21112918)
502121.98 3635375.90 4.78517 (21021102) 505621.98 3635375.90 79.30569 (20082303)
501721.98 3635475.90 7.42358 (20052405) 501821.98 3635475.90 5.78261 (21021102)
501921.98 3635475.90 4.83535 (21112918) 502021.98 3635475.90 4.57945 (19012720)
502121.98 3635475.90 4.74830 (19012720) 505621.98 3635475.90 29.98577 (21011719)
505721.98 3635475.90 28.26049 (20082303) 501721.98 3635575.90 7.18786 (20052405)
501821.98 3635575.90 6.61152 (20052405) 501921.98 3635575.90 4.68214 (21112918)
502021.98 3635575.90 4.83078 (19012720) 502121.98 3635575.90 4.92937 (19012720)
505321.98 3635575.90 29.97289 (21012617) 505421.98 3635575.90 31.74309 (21012617)
505521.98 3635575.90 29.08398 (21012617) 505621.98 3635575.90 25.05136 (21012617)
505721.98 3635575.90 22.26264 (21012617) 501721.98 3635675.90 7.27791 (20012222)
501821.98 3635675.90 7.79015 (20012222) 501921.98 3635675.90 6.43569 (20012222)
502021.98 3635675.90 6.28903 (20012222) 502121.98 3635675.90 6.90254 (20012222)
505321.98 3635675.90 26.19347 (20011620) 505421.98 3635675.90 24.02844 (21012617)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKN ***
INCLUDING SOURCE(S): L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3635675.90	26.35531	(21012617)	505621.98	3635675.90	25.19065	(21012617)
505721.98	3635675.90	22.00975	(21012617)	501721.98	3635775.90	6.95398	(19101801)
501821.98	3635775.90	6.86449	(19091802)	501921.98	3635775.90	7.21789	(20012222)
502021.98	3635775.90	6.87355	(20012222)	502121.98	3635775.90	6.82060	(20012222)
505321.98	3635775.90	21.75118	(20011620)	505421.98	3635775.90	24.04954	(20011620)
505521.98	3635775.90	20.86785	(21012617)	505621.98	3635775.90	23.07460	(21012617)
505721.98	3635775.90	22.57424	(21012617)	501721.98	3635875.90	6.50447	(21102720)
501821.98	3635875.90	6.48171	(19120121)	501921.98	3635875.90	7.27927	(19120121)
502021.98	3635875.90	7.55180	(19120121)	502121.98	3635875.90	7.79936	(19120121)
505321.98	3635875.90	18.63935	(21090701)	505421.98	3635875.90	19.42615	(20011620)
505521.98	3635875.90	20.63269	(20011620)	505621.98			

```
3635875.90       17.90516  (21012617)
        505721.98   3635875.90       21.01768  (21012617)                501721.98
3635975.90        6.72571  (19020620)
        501821.98   3635975.90        6.61002  (19020620)                501921.98
3635975.90        6.55666  (19120121)
        502021.98   3635975.90        6.74477  (20021521)                502121.98
3635975.90        7.13399  (20021521)
        505321.98   3635975.90       10.20059  (20011620)                505421.98
3635975.90       14.03131  (20011620)
        505521.98   3635975.90       17.66053  (20011620)                505621.98
3635975.90       18.92582  (21122618)
        505721.98   3635975.90       15.21373  (21012617)                501721.98
3636075.90        6.30007  (21122620)
        501821.98   3636075.90        6.37998  (19050903)                501921.98
3636075.90        6.45265  (19050903)
        502021.98   3636075.90        6.51638  (19050903)                502121.98
3636075.90        6.47503  (19050903)
        502221.98   3636075.90        6.80222  (21012721)                502321.98
3636075.90        7.46911  (21012721)
        502421.98   3636075.90        6.65061  (21012721)                502521.98
3636075.90        7.01295  (21012721)
        502621.98   3636075.90        7.55447  (21121021)                502721.98
3636075.90        7.92726  (21121021)
        502821.98   3636075.90        8.16077  (21121021)                502921.98
3636075.90        7.95352  (19110921)
        503021.98   3636075.90        7.70009  (19120120)                503121.98
3636075.90        7.85735  (21040704)
        503221.98   3636075.90        7.95167  (19022707)                503321.98
3636075.90        8.38109  (19120120)
        503421.98   3636075.90        8.56383  (20021924)                503521.98
3636075.90        9.01547  (20021924)
        503621.98   3636075.90        9.35843  (19012720)                503721.98
3636075.90        9.49677  (19012720)
        503821.98   3636075.90        9.70868  (19012720)                503921.98
3636075.90        9.36647  (19012720)
        504021.98   3636075.90        9.43689  (19111006)                504121.98
3636075.90        9.17452  (21052423)
        504221.98   3636075.90        8.94053  (21052423)                504321.98
3636075.90        9.12373  (21052423)
        504421.98   3636075.90        8.71550  (19072224)                504521.98
3636075.90        9.10693  (19072224)
        504621.98   3636075.90        9.93273  (19072224)                504721.98
3636075.90       12.22832  (19122420)
        504821.98   3636075.90       12.97486  (21060422)                504921.98
3636075.90       10.68926  (20121721)
        505021.98   3636075.90       10.39959  (21013118)                505121.98
3636075.90       10.82603  (21013118)
        505221.98   3636075.90       10.07526  (21013118)                505321.98
3636075.90        8.65838  (21013118)
        505421.98   3636075.90        8.99187  (20011620)                505521.98
```

```
3636075.90       14.43423  (20011620)
        505621.98   3636075.90       17.03992  (20011620)                505721.98
3636075.90       16.11899  (20011620)
        501721.98   3636175.90        5.79977  (19100203)                501821.98
3636175.90        5.88692  (19040204)
        501921.98   3636175.90        5.92745  (19040204)                502021.98
3636175.90        5.98866  (19040204)
        502121.98   3636175.90        6.01848  (20030421)                502221.98
3636175.90        6.39193  (21121021)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                 PAGE 965
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                 INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        502321.98   3636175.90        7.16489  (21121021)                502421.98
3636175.90        6.83814  (21121021)
        502521.98   3636175.90        7.09171  (21121021)                502621.98
3636175.90        7.23254  (19110921)
        502721.98   3636175.90        7.47074  (19110921)                502821.98
3636175.90        7.45167  (19120120)
        502921.98   3636175.90        7.44411  (19120120)                503021.98
3636175.90        7.37702  (19022707)
        503121.98   3636175.90        7.15442  (19022707)                503221.98
3636175.90        7.37579  (19022707)
        503321.98   3636175.90        7.55913  (19012720)                503421.98
3636175.90        7.76818  (19012720)
```

503521.98 3636175.90 7.81812 (19012720) 503621.98
3636175.90 8.07954 (21011719)
503721.98 3636175.90 8.19503 (21011719) 503821.98
3636175.90 8.20403 (21011719)
503921.98 3636175.90 8.10099 (21011719) 504021.98
3636175.90 7.91392 (19013101)
504121.98 3636175.90 7.68173 (19013101) 504221.98
3636175.90 7.62852 (21012421)
504321.98 3636175.90 7.44739 (20060403) 504421.98
3636175.90 7.33734 (19072224)
504521.98 3636175.90 6.58096 (19072224) 504621.98
3636175.90 7.98380 (19072224)
504721.98 3636175.90 10.43409 (19072224) 504821.98
3636175.90 11.17378 (19122420)
504921.98 3636175.90 13.06201 (21060422) 505021.98
3636175.90 14.62223 (20121721)
505121.98 3636175.90 9.87003 (21013118) 505221.98
3636175.90 9.57342 (21013118)
505321.98 3636175.90 10.49642 (21121422) 505421.98
3636175.90 10.32053 (21121422)
505521.98 3636175.90 10.33316 (20011620) 505621.98
3636175.90 14.21862 (20011620)
505721.98 3636175.90 16.24463 (20011620) 501721.98
3636275.90 5.60169 (20030421)
501821.98 3636275.90 5.74024 (20030421) 501921.98
3636275.90 5.79352 (20030421)
502021.98 3636275.90 5.80699 (19020604) 502121.98
3636275.90 5.79451 (19020604)
502221.98 3636275.90 6.23407 (19110921) 502321.98
3636275.90 6.62192 (19110921)
502421.98 3636275.90 6.80401 (19110921) 502521.98
3636275.90 6.99306 (19110921)
502621.98 3636275.90 6.94237 (19120120) 502721.98
3636275.90 6.91388 (19120120)
502821.98 3636275.90 6.77776 (19120120) 502921.98
3636275.90 6.81469 (19022707)
503021.98 3636275.90 6.69224 (19022707) 503121.98
3636275.90 6.84212 (19011621)
503221.98 3636275.90 6.84278 (21031001) 503321.98
3636275.90 7.03851 (21031001)
503421.98 3636275.90 7.21880 (21011719) 503521.98
3636275.90 7.37125 (21011719)
503621.98 3636275.90 7.41573 (21011719) 503721.98
3636275.90 7.35167 (21011719)
503821.98 3636275.90 7.27680 (19013101) 503921.98
3636275.90 7.21530 (19013101)
504021.98 3636275.90 7.03812 (21012421) 504121.98
3636275.90 6.90736 (20060403)
504221.98 3636275.90 6.33348 (20060403) 504321.98
3636275.90 4.62059 (19080802)

```
        504421.98   3636275.90        4.75874  (19072224)               504521.98
3636275.90        4.77534  (19072224)
        504621.98   3636275.90        5.89096  (19072224)               504721.98
3636275.90        8.19547  (19072224)
        504821.98   3636275.90        8.32202  (20040224)               504921.98
3636275.90       10.35417  (20042420)
        505021.98   3636275.90       13.40618  (20121721)               505121.98
3636275.90        9.38130  (20092821)
        505221.98   3636275.90        9.17587  (19022602)               505321.98
3636275.90       11.88042  (21121422)
        505421.98   3636275.90       13.56627  (21121422)               505521.98
3636275.90        8.04300  (21121422)
        505621.98   3636275.90       11.13464  (20011620)               505721.98
3636275.90       14.78697  (20011620)
        501721.98   3636375.90        5.35827  (19020604)               501821.98
3636375.90        5.60990  (19020604)
        501921.98   3636375.90        5.77427  (19020604)               502021.98
3636375.90        5.81014  (19020604)
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKN   ***
                                    INCLUDING SOURCE(S):     L0000995    , L0000996
, L0000997    , L0000998    , L0000999    ,
                  L0001000    , L0001001    , L0001002    , L0001003    , L0001004
, L0001005    , L0001006    , L0001007    ,
                  L0001008    , L0001009    , L0001010    , L0001011    , L0001012
, L0001013    , L0001014    , L0001015    ,
                  L0001016    , L0001017    , L0001018    , L0001019    , L0001020
, L0001021    , L0001022    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502121.98   3636375.90        5.70131  (21011903)               502221.98
3636375.90        5.86466  (19120120)
        502321.98   3636375.90        6.17698  (19120120)               502421.98
```

3636375.90 6.50832 (19120120)
502521.98 3636375.90 6.55410 (19120120) 502621.98
3636375.90 6.47002 (19120120)
502721.98 3636375.90 6.20938 (20021924) 502821.98
3636375.90 6.24415 (19011621)
502921.98 3636375.90 6.31487 (19011621) 503021.98
3636375.90 6.41577 (21031001)
503121.98 3636375.90 6.47730 (21031001) 503221.98
3636375.90 6.40468 (21011719)
503321.98 3636375.90 6.53665 (21011719) 503421.98
3636375.90 6.69604 (21011719)
503521.98 3636375.90 6.64632 (19120317) 503621.98
3636375.90 6.70197 (19120317)
503721.98 3636375.90 6.65077 (19120317) 503821.98
3636375.90 6.64834 (19013101)
503921.98 3636375.90 6.50297 (20060403) 504021.98
3636375.90 6.39535 (20060403)
504121.98 3636375.90 5.97752 (20060403) 504221.98
3636375.90 4.96189 (20052323)
504321.98 3636375.90 4.04459 (19072224) 504421.98
3636375.90 4.27838 (19072224)
504521.98 3636375.90 4.47222 (19072224) 504621.98
3636375.90 5.04150 (19072224)
504721.98 3636375.90 6.38976 (19072224) 504821.98
3636375.90 6.57165 (20040224)
504921.98 3636375.90 7.64739 (20040224) 505021.98
3636375.90 10.29312 (19073022)
505121.98 3636375.90 13.14967 (20121721) 505221.98
3636375.90 12.36493 (20092821)
505321.98 3636375.90 12.82068 (19022602) 505421.98
3636375.90 12.52045 (21121422)
505521.98 3636375.90 12.17383 (21121422) 505621.98
3636375.90 9.93677 (21061321)
505721.98 3636375.90 11.65229 (20011620) 501721.98
3636475.90 5.16081 (21032024)
501821.98 3636475.90 5.35587 (21032024) 501921.98
3636475.90 5.54070 (21011903)
502021.98 3636475.90 5.62637 (21040704) 502121.98
3636475.90 5.71593 (19022707)
502221.98 3636475.90 5.78405 (19022707) 502321.98
3636475.90 5.70536 (19120120)
502421.98 3636475.90 5.95026 (20021924) 502521.98
3636475.90 6.00886 (20021924)
502621.98 3636475.90 5.99289 (19012720) 502721.98
3636475.90 5.77686 (19012720)
502821.98 3636475.90 6.01734 (21031001) 502921.98
3636475.90 6.12062 (21031001)
503021.98 3636475.90 6.03364 (21031001) 503121.98
3636475.90 6.01542 (21011719)
503221.98 3636475.90 5.92348 (21011719) 503321.98

```
3636475.90        5.91657  (21011719)
        503421.98   3636475.90        6.00879  (19120317)                503521.98
3636475.90        6.07360  (19120317)
        503621.98   3636475.90        5.95748  (19120317)                503721.98
3636475.90        6.12911  (21012421)
        503821.98   3636475.90        6.09055  (20060403)                503921.98
3636475.90        5.90659  (20060403)
        504021.98   3636475.90        4.65072  (20060403)                504121.98
3636475.90        4.76293  (20052323)
        504221.98   3636475.90        4.69156  (20052323)                504321.98
3636475.90        3.80440  (19051001)
        504421.98   3636475.90        4.04643  (19072224)                504521.98
3636475.90        4.24593  (19072224)
        504621.98   3636475.90        4.50733  (19072224)                504721.98
3636475.90        4.99649  (19072224)
        504821.98   3636475.90        5.51998  (19072224)                504921.98
3636475.90        7.01192  (20040224)
        505021.98   3636475.90        9.37702  (19082724)                505121.98
3636475.90       12.26426  (20121721)
        505221.98   3636475.90       12.58461  (20092821)                505321.98
3636475.90       11.78120  (19022602)
        505421.98   3636475.90       11.60909  (19022602)                505521.98
3636475.90       12.02346  (21121422)
        505621.98   3636475.90       10.76136  (21121422)                505721.98
3636475.90        9.68879  (21061321)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 967
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633475.90	11.35370	(21012320)	502771.98	3633475.90	11.70332	(21012320)
502821.98	3633475.90	12.04463	(21012320)	502871.98	3633475.90	12.47606	(21012320)
502921.98	3633475.90	13.08276	(21012320)	502971.98	3633475.90	13.78135	(21011719)
503021.98	3633475.90	14.77171	(21011719)	503071.98	3633475.90	16.04809	(21011719)
503121.98	3633475.90	17.39477	(21011719)	503171.98	3633475.90	18.95540	(21011719)
503221.98	3633475.90	21.57052	(21011719)	503271.98	3633475.90	24.52726	(21011719)
503321.98	3633475.90	33.45105	(21030103)	503371.98	3633475.90	73.81541	(20122620)
503421.98	3633475.90	87.46094	(21031822)	503471.98	3633475.90	132.05638	(20092124)
503521.98	3633475.90	245.07670	(20092124)	503621.98	3633475.90	103.38010	(20081802)
503671.98	3633475.90	72.89923	(20121721)	503721.98	3633475.90	47.44762	(20092821)
503771.98	3633475.90	38.65704	(21121422)	503821.98	3633475.90	28.35913	(20092424)
503871.98	3633475.90	25.52955	(20092424)	503921.98	3633475.90	25.19709	(21122618)
503971.98	3633475.90	22.46199	(21122618)	504021.98	3633475.90	18.49627	(20082301)
504071.98	3633475.90	17.73511	(20082301)	504121.98	3633475.90	17.27708	(20082302)
504171.98	3633475.90	15.73743	(21011602)	504221.98	3633475.90	15.55750	(20082302)
504271.98	3633475.90	15.20687	(20082302)	504321.98	3633475.90	14.34196	(20082306)
504371.98	3633475.90	13.00686	(20082024)	504421.98	3633475.90	10.93467	(20082024)
504471.98	3633475.90	9.33812	(20082024)	504521.98	3633475.90	8.56318	(20082024)
504571.98	3633475.90	8.70958	(20082024)	504621.98	3633475.90	9.12170	(20082024)
504671.98	3633475.90	9.00798	(20082024)	504721.98	3633475.90	9.26539	(20081806)
502721.98	3633525.90	11.53647	(21012320)	502771.98	3633525.90	11.90793	(21012320)
502821.98	3633525.90	12.29808	(21012320)	502871.98	3633525.90	12.78110	(21012320)
502921.98	3633525.90	13.29956	(21012320)	502971.98	3633525.90	13.76669	(21012320)

```
        503021.98   3633525.90       14.78414  (21011719)                503071.98
3633525.90       15.96873  (21011719)
        503121.98   3633525.90       17.25426  (21011719)                503171.98
3633525.90       18.96754  (21011719)
        503221.98   3633525.90       21.18290  (21011719)                503271.98
3633525.90       24.44059  (21011719)
        503321.98   3633525.90       27.93913  (21011719)                503371.98
3633525.90       62.55812  (20122620)
        503421.98   3633525.90       90.77709  (21031822)                503471.98
3633525.90      117.87899  (20092124)
        503521.98   3633525.90      208.04482  (20092124)                503621.98
3633525.90      151.16617  (21090401)
        503671.98   3633525.90       78.86152  (20081802)                503721.98
3633525.90       56.03919  (20082303)
        503771.98   3633525.90       43.13296  (21121422)                503821.98
3633525.90       36.36738  (21121422)
        503871.98   3633525.90       32.18028  (21090701)                503921.98
3633525.90       31.79699  (21081602)
        503971.98   3633525.90       27.77293  (21122618)                504021.98
3633525.90       21.34240  (21122618)
        504071.98   3633525.90       19.81507  (19102623)                504121.98
3633525.90       20.67026  (19102623)
        504171.98   3633525.90       19.11233  (19102623)                504221.98
3633525.90       17.43657  (19102623)
        504271.98   3633525.90       15.78022  (20082306)                504321.98
3633525.90       13.50467  (20082024)
        504371.98   3633525.90       11.80693  (20082024)                504421.98
3633525.90       10.16672  (20082024)
        504471.98   3633525.90        9.19118  (20082024)                504521.98
3633525.90        9.49912  (20082024)
        504571.98   3633525.90       10.27940  (20082024)                504621.98
3633525.90       10.55990  (20082024)
        504671.98   3633525.90       10.21661  (20082024)                504721.98
3633525.90        9.72155  (20082024)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 968
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
```

L0000616 , L0000617 , L0000618 , L0000619 , L0000620
, L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633575.90	11.57438	(21012320)	502771.98	3633575.90	12.03172	(21012320)
502821.98	3633575.90	12.53542	(21012320)	502871.98	3633575.90	13.06919	(21012320)
502921.98	3633575.90	13.53770	(21012320)	502971.98	3633575.90	14.06249	(21012320)
503021.98	3633575.90	14.84021	(21011719)	503071.98	3633575.90	15.99958	(21011719)
503121.98	3633575.90	17.22616	(21011719)	503171.98	3633575.90	18.81935	(21011719)
503221.98	3633575.90	20.83084	(21011719)	503271.98	3633575.90	23.34839	(21011719)
503321.98	3633575.90	27.06960	(21011719)	503371.98	3633575.90	32.58232	(21011719)
503421.98	3633575.90	48.23248	(21030103)	503471.98	3633575.90	76.08952	(20121603)
503521.98	3633575.90	114.47992	(20121603)	503621.98	3633575.90	176.88024	(21090401)
503671.98	3633575.90	101.65592	(21082504)	503721.98	3633575.90	68.69197	(21090606)
503771.98	3633575.90	48.74156	(20082303)	503821.98	3633575.90	37.87733	(20081401)
503871.98	3633575.90	36.38938	(20081401)	503921.98	3633575.90	32.77451	(21012820)
503971.98	3633575.90	26.22655	(20081401)	504021.98	3633575.90	25.50730	(21122618)
504071.98	3633575.90	24.15032	(21122618)	504121.98	3633575.90	20.58080	(20081401)
504171.98	3633575.90	19.96877	(20081401)	504221.98	3633575.90	19.84881	(21012820)
504271.98	3633575.90	15.44895	(20082306)	504321.98	3633575.90	13.19472	(20082024)
504371.98	3633575.90	11.59635	(21011602)	504421.98	3633575.90	9.82689	(21011602)
504471.98	3633575.90	9.48844	(20082024)	504521.98	3633575.90	10.67644	(20082024)
504571.98	3633575.90	11.47235	(20082024)	504621.98			

3633575.90 10.98801 (20082024)
  504671.98 3633575.90 10.51306 (20082024) 504721.98
3633575.90 10.09985 (20082024)
  502721.98 3633625.90 11.40500 (21012320) 502771.98
3633625.90 12.00088 (21012320)
  502821.98 3633625.90 12.57706 (21012320) 502871.98
3633625.90 13.16447 (21012320)
  502921.98 3633625.90 13.74165 (21012320) 502971.98
3633625.90 14.38554 (21012320)
  503021.98 3633625.90 15.09021 (21012320) 503071.98
3633625.90 15.78741 (21011719)
  503121.98 3633625.90 16.95582 (21011719) 503171.98
3633625.90 18.42168 (21011719)
  503221.98 3633625.90 20.22788 (21011719) 503271.98
3633625.90 22.82108 (21011719)
  503321.98 3633625.90 26.42971 (21011719) 503371.98
3633625.90 31.28489 (21011719)
  503421.98 3633625.90 38.72603 (21011719) 503471.98
3633625.90 59.99653 (21030103)
  503521.98 3633625.90 96.10145 (20121603) 503621.98
3633625.90 194.69318 (19081924)
  503671.98 3633625.90 109.86411 (20080822) 503721.98
3633625.90 73.36373 (21082504)
  503771.98 3633625.90 51.14423 (20082306) 503821.98
3633625.90 42.88324 (20082306)
  503871.98 3633625.90 39.34034 (20082306) 503921.98
3633625.90 33.93878 (20082306)
  503971.98 3633625.90 30.42722 (20081401) 504021.98
3633625.90 26.64174 (20081401)
  504071.98 3633625.90 22.66572 (20081401) 504121.98
3633625.90 23.70811 (20081401)
  504171.98 3633625.90 22.45286 (21012820) 504221.98
3633625.90 20.82565 (21012820)
  504271.98 3633625.90 18.08092 (19102623) 504321.98
3633625.90 14.51407 (20082302)
  504371.98 3633625.90 12.44434 (20082024) 504421.98
3633625.90 10.81622 (21011602)
  504471.98 3633625.90 10.36933 (21011602) 504521.98
3633625.90 11.88922 (20082024)
  504571.98 3633625.90 11.74325 (20082024) 504621.98
3633625.90 11.26709 (20082024)
  504671.98 3633625.90 11.05155 (20082024) 504721.98
3633625.90 10.53561 (20082024)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 , L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 , L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633675.90	10.83042	(21012320)	502771.98	3633675.90	11.57258	(21012320)
502821.98	3633675.90	12.30350	(21012320)	502871.98	3633675.90	13.04094	(21012320)
502921.98	3633675.90	13.84374	(21012320)	502971.98	3633675.90	14.60684	(21012320)
503021.98	3633675.90	15.37626	(21012320)	503071.98	3633675.90	16.03578	(21012320)
503121.98	3633675.90	16.77828	(21012320)	503171.98	3633675.90	18.03871	(21011719)
503221.98	3633675.90	19.90149	(21011719)	503271.98	3633675.90	22.38607	(21011719)
503321.98	3633675.90	25.71807	(21011719)	503371.98	3633675.90	29.83661	(21011719)
503421.98	3633675.90	37.28732	(20120224)	503471.98	3633675.90	50.11553	(20120224)
503521.98	3633675.90	72.29596	(21030103)	503571.98	3633675.90	186.92287	(20092124)
503671.98	3633675.90	123.32510	(20080822)	503721.98	3633675.90	77.46949	(21091006)
503771.98	3633675.90	57.77688	(20081603)	503821.98	3633675.90	47.22967	(20082306)
503871.98	3633675.90	40.87782	(20082306)	503921.98	3633675.90	36.24493	(20082306)
503971.98	3633675.90	31.87573	(21012820)	504021.98	3633675.90	28.39787	(20081401)
504071.98	3633675.90	26.25368	(20081401)	504121.98	3633675.90	24.89586	(20082306)

504171.98 3633675.90 23.92058 (20082306) 504221.98 3633675.90 22.07303 (20082306)
504271.98 3633675.90 18.97390 (20081401) 504321.98 3633675.90 15.95183 (19102623)
504371.98 3633675.90 13.40516 (20082024) 504421.98 3633675.90 12.09154 (20082024)
504471.98 3633675.90 12.45177 (20082024) 504521.98 3633675.90 12.46691 (20082302)
504571.98 3633675.90 11.94063 (20082024) 504621.98 3633675.90 11.54896 (20082024)
504671.98 3633675.90 11.17907 (20082024) 504721.98 3633675.90 10.83901 (20082024)
502721.98 3633725.90 10.25898 (21011719) 502771.98 3633725.90 10.77210 (21011719)
502821.98 3633725.90 11.55127 (21012320) 502871.98 3633725.90 12.49456 (21012320)
502921.98 3633725.90 13.54084 (21012320) 502971.98 3633725.90 14.48546 (21012320)
503021.98 3633725.90 15.30003 (21012320) 503071.98 3633725.90 16.28301 (21012320)
503121.98 3633725.90 17.21334 (21012320) 503171.98 3633725.90 18.18701 (21012320)
503221.98 3633725.90 19.66415 (21011719) 503271.98 3633725.90 21.87928 (21011719)
503321.98 3633725.90 24.67360 (21011719) 503371.98 3633725.90 28.14624 (21011719)
503421.98 3633725.90 36.21515 (20120224) 503471.98 3633725.90 47.03522 (21021806)
503521.98 3633725.90 63.33106 (21021806) 503571.98 3633725.90 106.22964 (20121603)
503721.98 3633725.90 96.32364 (21090401) 503771.98 3633725.90 62.84953 (20080822)
503821.98 3633725.90 51.37507 (20081603) 503871.98 3633725.90 42.82553 (20082306)
503921.98 3633725.90 37.18214 (20082306) 503971.98 3633725.90 33.65345 (21012820)
504021.98 3633725.90 30.14875 (21012820) 504071.98 3633725.90 27.86583 (21012820)
504121.98 3633725.90 26.45312 (20082306) 504171.98 3633725.90 24.60011 (20082306)
504221.98 3633725.90 22.25316 (20082306) 504271.98 3633725.90 20.78971 (20082306)
504321.98 3633725.90 17.06283 (19102623) 504371.98 3633725.90 14.37389 (20082024)
504421.98 3633725.90 13.59775 (20082024) 504471.98 3633725.90 13.12601 (20082024)
504521.98 3633725.90 12.61495 (20082302) 504571.98 3633725.90 12.16545 (20082302)
504621.98 3633725.90 11.83831 (20081806) 504671.98 3633725.90 11.32859 (20081806)

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502771.98   3633775.90   10.70025 (21011719)   502821.98
3633775.90   11.20327 (21011719)
        502871.98   3633775.90   11.75393 (21011719)   502921.98
3633775.90   12.48966 (21012320)
        502971.98   3633775.90   13.70440 (21012320)   503021.98
3633775.90   14.85795 (21012320)
        503071.98   3633775.90   16.02789 (21012320)   503121.98
3633775.90   17.21155 (21012320)
        503171.98   3633775.90   18.43854 (21012320)   503221.98
3633775.90   19.70840 (21012320)
        503271.98   3633775.90   21.29849 (21011719)   503321.98
3633775.90   23.77632 (21011719)
        503371.98   3633775.90   27.02014 (21011719)   503421.98
3633775.90   35.33526 (20120224)
        503471.98   3633775.90   44.47527 (21021806)   503771.98
3633775.90   72.97407 (20080822)
        503821.98   3633775.90   53.54290 (20081603)   503871.98
3633775.90   44.68691 (20081603)
        503921.98   3633775.90   38.96926 (20082306)   503971.98

3633775.90 34.65639 (20081401)
504021.98 3633775.90 31.48204 (20081401) 504071.98
3633775.90 30.32657 (20082306)
504121.98 3633775.90 28.18389 (20082306) 504171.98
3633775.90 26.35725 (20082306)
504221.98 3633775.90 24.21053 (20082306) 504271.98
3633775.90 21.49045 (20082306)
504321.98 3633775.90 17.82042 (20081401) 504371.98
3633775.90 16.66879 (19102623)
504421.98 3633775.90 15.80991 (19102623) 504471.98
3633775.90 13.45880 (20081806)
504521.98 3633775.90 13.47820 (20081806) 504571.98
3633775.90 13.44730 (20041201)
504621.98 3633775.90 12.76892 (20041201) 504671.98
3633775.90 12.03024 (20081806)
504721.98 3633775.90 11.44991 (20081806) 502721.98
3633825.90 10.12993 (21011719)
502771.98 3633825.90 10.56585 (21011719) 502821.98
3633825.90 11.05296 (21011719)
502871.98 3633825.90 11.59141 (21011719) 502921.98
3633825.90 12.30067 (21011719)
502971.98 3633825.90 13.05615 (21011719) 503021.98
3633825.90 13.88468 (21011719)
503071.98 3633825.90 14.93505 (21012320) 503121.98
3633825.90 16.44167 (21012320)
503171.98 3633825.90 18.03181 (21012320) 503221.98
3633825.90 19.66615 (21012320)
503271.98 3633825.90 21.39275 (21012320) 503771.98
3633825.90 84.83498 (20080822)
503821.98 3633825.90 60.21312 (20080822) 503871.98
3633825.90 49.04262 (20081603)
503921.98 3633825.90 40.75919 (21012820) 503971.98
3633825.90 36.11001 (20081401)
504021.98 3633825.90 34.30163 (20081603) 504071.98
3633825.90 31.19905 (20081603)
504121.98 3633825.90 28.96551 (20081603) 504171.98
3633825.90 27.49949 (20081603)
504221.98 3633825.90 25.20862 (20082306) 504271.98
3633825.90 23.40306 (20082306)
504321.98 3633825.90 21.15566 (20082306) 504371.98
3633825.90 19.06649 (21012820)
504421.98 3633825.90 16.72163 (20081401) 504471.98
3633825.90 15.31852 (20082306)
504521.98 3633825.90 14.78543 (20082306) 504571.98
3633825.90 14.79863 (20081401)
504621.98 3633825.90 13.42197 (20041201) 504671.98
3633825.90 12.62517 (20041201)
504721.98 3633825.90 12.19780 (20041201) 502721.98
3633875.90 9.97891 (21011719)
502771.98 3633875.90 10.41208 (21011719) 502821.98

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
INCLUDING SOURCE(S):   L0000595   , L0000596 , L0000597   , L0000598   , L0000599   ,
L0000600   , L0000601   , L0000602   , L0000603   , L0000604 , L0000605   , L0000606   , L0000607   ,
L0000608   , L0000609   , L0000610   , L0000611   , L0000612 , L0000613   , L0000614   , L0000615   ,
L0000616   , L0000617   , L0000618   , L0000619   , L0000620 , L0000621   , L0000622   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503871.98	3633875.90	51.96339	(20081603)	503921.98	3633875.90	44.36542	(20082306)
503971.98	3633875.90	41.71438	(20081603)	504021.98	3633875.90	37.49838	(20081603)
504071.98	3633875.90	33.38532	(20081603)	504121.98	3633875.90	31.83584	(20081603)
504171.98	3633875.90	29.12740	(20081603)	504221.98	3633875.90	26.47653	(20081603)
504271.98	3633875.90	24.47575	(20082306)	504321.98	3633875.90	21.64740	(20082306)

504371.98 3633875.90 19.62484 (20082306) 504421.98
3633875.90 17.91524 (20081401)
504471.98 3633875.90 16.81621 (20081401) 504521.98
3633875.90 16.45257 (20082306)
504571.98 3633875.90 15.69453 (20082306) 504621.98
3633875.90 14.63413 (20082306)
504671.98 3633875.90 12.95619 (20081806) 504721.98
3633875.90 12.56781 (20041201)
502721.98 3633925.90 9.82643 (21011719) 502771.98
3633925.90 10.25148 (21011719)
502821.98 3633925.90 10.74493 (21011719) 502871.98
3633925.90 11.33158 (21011719)
502921.98 3633925.90 12.02998 (21011719) 502971.98
3633925.90 12.68597 (21011719)
503021.98 3633925.90 13.48118 (21011719) 503071.98
3633925.90 14.42275 (21011719)
503121.98 3633925.90 15.64865 (19121706) 503171.98
3633925.90 16.71971 (19121706)
503221.98 3633925.90 18.13677 (21011719) 503271.98
3633925.90 19.91457 (21011719)
503821.98 3633925.90 73.07717 (19081924) 503871.98
3633925.90 59.95669 (20081603)
503921.98 3633925.90 50.32267 (20081603) 503971.98
3633925.90 31.00280 (20082306)
504021.98 3633925.90 38.91294 (20081603) 504071.98
3633925.90 35.69397 (20081603)
504121.98 3633925.90 33.65154 (20081603) 504171.98
3633925.90 31.46065 (20081603)
504221.98 3633925.90 29.08615 (20081603) 504271.98
3633925.90 26.16663 (20082306)
504321.98 3633925.90 24.22898 (20082306) 504371.98
3633925.90 21.68377 (20082306)
504421.98 3633925.90 20.17796 (20082306) 504471.98
3633925.90 18.68615 (20082306)
504521.98 3633925.90 17.31830 (20082306) 504571.98
3633925.90 15.66601 (20082306)
504621.98 3633925.90 14.49102 (20082306) 504671.98
3633925.90 13.59756 (20082306)
504721.98 3633925.90 12.83899 (20081806) 502721.98
3633975.90 9.81543 (21012023)
502771.98 3633975.90 10.17340 (21012023) 502821.98
3633975.90 10.57084 (21011719)
502871.98 3633975.90 11.16586 (21011719) 502921.98
3633975.90 11.80972 (21011719)
502971.98 3633975.90 12.57258 (21121424) 503021.98
3633975.90 13.30269 (21121424)
503071.98 3633975.90 14.36964 (19121706) 503121.98
3633975.90 15.44473 (19121706)
503171.98 3633975.90 16.35717 (21011719) 503221.98
3633975.90 17.72219 (21011719)

```
        503271.98   3633975.90       19.34084  (21011719)                503821.98
3633975.90       76.61060  (20082303)
        503871.98   3633975.90       54.17763  (20082303)                503921.98
3633975.90       41.81007  (20082306)
        503971.98   3633975.90       34.22923  (20081805)                504021.98
3633975.90       29.19417  (20081805)
        504071.98   3633975.90       37.07438  (20081805)                504121.98
3633975.90       34.90153  (20081603)
        504171.98   3633975.90       32.39565  (20081603)                504221.98
3633975.90       29.17899  (20082306)
        504271.98   3633975.90       27.19580  (20082306)                504321.98
3633975.90       25.30480  (20082306)
        504371.98   3633975.90       22.76828  (20082306)                504421.98
3633975.90       21.15211  (20082306)
        504471.98   3633975.90       18.67218  (20082306)                504521.98
3633975.90       16.55884  (20082306)
        504571.98   3633975.90       15.50765  (20082306)                504621.98
3633975.90       14.54034  (20082306)
        504671.98   3633975.90       13.42780  (20041201)                504721.98
3633975.90       12.51669  (20081806)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                   PAGE 972
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        502721.98   3634025.90        9.82812  (21012023)                502771.98
```

3634025.90 10.17478 (21012023)
502821.98 3634025.90 10.51983 (21021102) 502871.98
3634025.90 11.02397 (21121424)
502921.98 3634025.90 11.76625 (21121424) 502971.98
3634025.90 12.43586 (21121424)
503021.98 3634025.90 13.25970 (19121706) 503071.98
3634025.90 14.24949 (19121706)
503121.98 3634025.90 15.08657 (19121706) 503171.98
3634025.90 15.94463 (21011719)
503221.98 3634025.90 17.23075 (21011719) 503271.98
3634025.90 18.73589 (21011719)
503871.98 3634025.90 65.73138 (20082303) 503921.98
3634025.90 48.23585 (20082303)
503971.98 3634025.90 38.51353 (20081805) 504021.98
3634025.90 32.12391 (20081805)
504071.98 3634025.90 27.26014 (20081803) 504121.98
3634025.90 24.34155 (21022220)
504171.98 3634025.90 31.12428 (20082306) 504221.98
3634025.90 29.77091 (20082306)
504271.98 3634025.90 28.19009 (20082306) 504321.98
3634025.90 26.26948 (20082306)
504371.98 3634025.90 23.80657 (20082306) 504421.98
3634025.90 20.26342 (20082306)
504471.98 3634025.90 18.29627 (20082306) 504521.98
3634025.90 17.03008 (20082306)
504571.98 3634025.90 15.76462 (20082306) 504621.98
3634025.90 14.10580 (20082306)
504671.98 3634025.90 13.18387 (20082024) 504721.98
3634025.90 12.63848 (20082024)
502721.98 3634075.90 9.74513 (21012023) 502771.98
3634075.90 9.94735 (21021102)
502821.98 3634075.90 10.36176 (21021102) 502871.98
3634075.90 11.10040 (21121424)
502921.98 3634075.90 11.70447 (21121424) 502971.98
3634075.90 12.21009 (21121424)
503021.98 3634075.90 13.22105 (19121706) 503071.98
3634075.90 14.03733 (19121706)
503121.98 3634075.90 14.67608 (19121706) 503171.98
3634075.90 15.51955 (21011719)
503221.98 3634075.90 16.71031 (21011719) 503271.98
3634075.90 18.10309 (21011719)
503871.98 3634075.90 84.97102 (20081603) 503921.98
3634075.90 58.95035 (20081603)
503971.98 3634075.90 44.63570 (20081805) 504021.98
3634075.90 35.63385 (20081805)
504071.98 3634075.90 30.13768 (21022220) 504121.98
3634075.90 26.85650 (21120220)
504171.98 3634075.90 32.15794 (20073101) 504221.98
3634075.90 32.03991 (20082306)
504271.98 3634075.90 30.56661 (20082306) 504321.98

```
3634075.90       28.84197  (20082306)
        504371.98   3634075.90       24.62143  (20082306)                504421.98
3634075.90       21.77781  (20082306)
        504471.98   3634075.90       19.41159  (20082306)                504521.98
3634075.90       17.22224  (20082306)
        504571.98   3634075.90       15.28142  (20082306)                504621.98
3634075.90       13.94657  (20082024)
        504671.98   3634075.90       13.23144  (20082024)                504721.98
3634075.90       12.81739  (20082024)
        502721.98   3634125.90        9.61169  (21012023)                502771.98
3634125.90        9.75572  (21121424)
        502821.98   3634125.90       10.44266  (21121424)                502871.98
3634125.90       11.06474  (21121424)
        502921.98   3634125.90       11.51785  (21121424)                502971.98
3634125.90       12.21526  (19121706)
        503021.98   3634125.90       13.06619  (19121706)                503071.98
3634125.90       13.68655  (19121706)
        503121.98   3634125.90       14.20322  (19121706)                503171.98
3634125.90       15.07872  (21011719)
        503221.98   3634125.90       16.09667  (21011719)                503271.98
3634125.90       17.36233  (21011719)
        503921.98   3634125.90       81.83688  (20082306)                503971.98
3634125.90       55.74910  (20082306)
        504021.98   3634125.90       41.73574  (20082306)                504071.98
3634125.90       35.08392  (21010219)
        504121.98   3634125.90       30.75903  (21010219)                504171.98
3634125.90       27.19114  (21010219)
        504221.98   3634125.90       31.52660  (20082805)                504271.98
3634125.90       34.56139  (20082306)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 973
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3634125.90	32.72013	(20082306)	504371.98	3634125.90	28.17205	(20082306)
504421.98	3634125.90	23.82208	(20082306)	504471.98	3634125.90	19.52508	(20082306)
504521.98	3634125.90	17.15419	(20082306)	504571.98	3634125.90	15.15651	(20082024)
504621.98	3634125.90	13.70189	(20082024)	504671.98	3634125.90	13.36754	(20082024)
504721.98	3634125.90	12.76274	(20082024)	502721.98	3634175.90	9.32700	(21012023)
502771.98	3634175.90	9.87550	(21121424)	502821.98	3634175.90	10.44886	(21121424)
502871.98	3634175.90	10.93649	(21121424)	502921.98	3634175.90	11.35870	(19121706)
502971.98	3634175.90	12.15979	(19121706)	503021.98	3634175.90	12.82734	(19121706)
503071.98	3634175.90	13.28074	(19121706)	503121.98	3634175.90	13.67252	(19121706)
503171.98	3634175.90	14.49333	(21011719)	503221.98	3634175.90	15.38495	(21011719)
503271.98	3634175.90	17.33711	(20120224)	503971.98	3634175.90	73.90568	(20082303)
504021.98	3634175.90	51.21942	(21020220)	504071.98	3634175.90	40.99596	(21020220)
504121.98	3634175.90	34.04518	(21020220)	504171.98	3634175.90	29.34788	(21011518)
504221.98	3634175.90	25.65914	(21011518)	504271.98	3634175.90	28.99425	(20082306)
504321.98	3634175.90	33.90033	(20082306)	504371.98	3634175.90	25.78128	(20082306)
504421.98	3634175.90	19.96613	(20082024)	504471.98	3634175.90	18.38687	(20082024)
504521.98	3634175.90	16.94779	(20082024)	504571.98	3634175.90	14.34600	(20082024)
504621.98	3634175.90	12.59236	(20082024)	504671.98	3634175.90	11.92200	(20082024)
504721.98	3634175.90	10.75737	(20082024)	502721.98	3634225.90	9.36541	(21121424)
502771.98	3634225.90	9.93235	(21121424)	502821.98	3634225.90	10.40520	(21121424)
502871.98	3634225.90	10.77138	(21121424)	502921.98	3634225.90	11.39629	(19121706)

```
        502971.98   3634225.90       12.01259  (19121706)               503021.98
3634225.90       12.51567  (19121706)
        503071.98   3634225.90       12.86103  (19121706)               503121.98
3634225.90       13.20545  (21011719)
        503171.98   3634225.90       13.94988  (21011719)               503221.98
3634225.90       14.79576  (21011719)
        503271.98   3634225.90       17.42809  (20120224)               504071.98
3634225.90       46.70874  (21020220)
        504121.98   3634225.90       38.57020  (21020220)               504171.98
3634225.90       32.84248  (21020220)
        504221.98   3634225.90       28.67214  (21020220)               504271.98
3634225.90       25.23043  (21020220)
        504321.98   3634225.90       31.11702  (21012820)               504371.98
3634225.90       26.80424  (20081806)
        504421.98   3634225.90       20.83337  (20082024)               504471.98
3634225.90       19.19616  (20082024)
        504521.98   3634225.90       17.49242  (20082024)               504571.98
3634225.90       14.91233  (20082024)
        504621.98   3634225.90       12.62677  (20082024)               504671.98
3634225.90       11.17646  (20041201)
        504721.98   3634225.90       10.52440  (20041201)               502721.98
3634275.90        9.44636  (21121424)
        502771.98   3634275.90        9.86237  (21121424)               502821.98
3634275.90       10.24096  (21121424)
        502871.98   3634275.90       10.80095  (19121706)               502921.98
3634275.90       11.36356  (19121706)
        502971.98   3634275.90       11.78510  (19121706)               503021.98
3634275.90       12.18795  (19121706)
        503071.98   3634275.90       12.45382  (19121706)               503121.98
3634275.90       12.76865  (21011719)
        503171.98   3634275.90       13.47466  (21011719)               503221.98
3634275.90       14.26545  (21011719)
        503271.98   3634275.90       17.45537  (20120224)               504121.98
3634275.90       35.48400  (21012617)
        504171.98   3634275.90       27.02589  (21012617)               504221.98
3634275.90       23.28895  (21020220)
        504271.98   3634275.90       30.99249  (20082303)               504321.98
3634275.90       36.61539  (20081401)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 974
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
```

```
                L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        504371.98   3634275.90       27.95409  (20081401)               504421.98
3634275.90       24.16961  (20082024)
        504471.98   3634275.90       21.02305  (20082024)               504521.98
3634275.90       17.81857  (20082024)
        504571.98   3634275.90       14.64529  (20082024)               504621.98
3634275.90       12.58927  (20082024)
        504671.98   3634275.90       11.45830  (20081806)               504721.98
3634275.90       10.76955  (20081806)
        502721.98   3634325.90        9.24312  (21121424)               502771.98
3634325.90        9.59564  (21121424)
        502821.98   3634325.90        9.86052  (19121706)               502871.98
3634325.90       10.87593  (19121706)
        502971.98   3634325.90       11.54063  (19121706)               503021.98
3634325.90       11.83303  (19121706)
        503071.98   3634325.90       12.08234  (19121706)               503121.98
3634325.90       12.39159  (21011719)
        503171.98   3634325.90       13.06120  (21011719)               503221.98
3634325.90       14.51083  (20120224)
        503271.98   3634325.90       17.37590  (20120224)               504171.98
3634325.90       34.32604  (21012617)
        504221.98   3634325.90       28.57683  (21122106)               504271.98
3634325.90       26.90989  (20082303)
        504321.98   3634325.90       29.96598  (20082303)               504371.98
3634325.90       29.18153  (19042006)
        504421.98   3634325.90       25.54151  (20082024)               504471.98
3634325.90       23.05295  (20082024)
        504521.98   3634325.90       19.03534  (20082024)               504571.98
3634325.90       15.32487  (20082024)
        504621.98   3634325.90       13.02669  (20082024)               504671.98
3634325.90       11.73907  (20082024)
        504721.98   3634325.90       11.02452  (20082024)               502721.98
3634375.90        9.09041  (21121424)
        502771.98   3634375.90        9.37893  (21121424)               502821.98
```

```
3634375.90        9.85755  (19121706)
        503021.98   3634375.90       11.39222  (19121706)                503071.98
3634375.90       11.70590  (19121706)
        503121.98   3634375.90       12.06325  (21011719)                503171.98
3634375.90       12.68908  (21011719)
        503221.98   3634375.90       14.67025  (20120224)                503271.98
3634375.90       17.18409  (20120224)
        504221.98   3634375.90       32.25893  (21012617)                504271.98
3634375.90       25.69384  (21012617)
        504321.98   3634375.90       21.11829  (21012617)                504371.98
3634375.90       32.60319  (20092620)
        504421.98   3634375.90       27.23801  (20082106)                504471.98
3634375.90       20.94320  (20082106)
        504521.98   3634375.90       16.94290  (20082024)                504571.98
3634375.90       15.14144  (20082024)
        504621.98   3634375.90       13.83657  (20082024)                504671.98
3634375.90       12.79615  (20082024)
        504721.98   3634375.90       11.96979  (20082024)                502721.98
3634425.90        9.02191  (21121424)
        502771.98   3634425.90        9.32082  (19121706)                502821.98
3634425.90        9.85237  (19121706)
        504271.98   3634425.90       29.77067  (21012617)                504321.98
3634425.90       24.56231  (21012617)
        504371.98   3634425.90       36.46936  (19030707)                504421.98
3634425.90       31.62702  (20082302)
        504471.98   3634425.90       23.71604  (20082302)                504521.98
3634425.90       19.36791  (20082106)
        504571.98   3634425.90       17.34539  (20082106)                504621.98
3634425.90       15.72070  (20082106)
        504671.98   3634425.90       13.91790  (20082024)                504721.98
3634425.90       12.86518  (20082024)
        502721.98   3634475.90        9.01149  (21121424)                502771.98
3634475.90        9.57404  (19121706)
        502821.98   3634475.90       10.02365  (19121706)                504321.98
3634475.90       27.27980  (21012617)
        504371.98   3634475.90       23.35601  (21012617)                504421.98
3634475.90       33.03830  (19030707)
        504471.98   3634475.90       29.59054  (20082302)                504521.98
3634475.90       26.44454  (20082302)
        504571.98   3634475.90       23.51892  (20082302)                504621.98
3634475.90       21.13734  (20082106)
        504671.98   3634475.90       18.15634  (20082106)                504721.98
3634475.90       15.11703  (20082106)
        502721.98   3634525.90        9.11050  (19121706)                502771.98
3634525.90        9.55796  (19121706)
        504371.98   3634525.90       25.05440  (21012617)                504421.98
3634525.90       21.99331  (21012617)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504471.98	3634525.90	18.82845	(21012617)	504521.98	3634525.90	28.57056	(19030707)
504571.98	3634525.90	25.96285	(20092620)	504621.98	3634525.90	25.39422	(20092620)
504671.98	3634525.90	22.26766	(20082302)	504721.98	3634525.90	18.45958	(20082106)
502721.98	3634575.90	9.12170	(19121706)	502771.98	3634575.90	9.48877	(19121706)
504421.98	3634575.90	22.89288	(21012617)	504471.98	3634575.90	20.68029	(21012617)
504521.98	3634575.90	18.27218	(21012617)	504571.98	3634575.90	15.86437	(21012617)
504621.98	3634575.90	25.08723	(19030707)	504671.98	3634575.90	23.84895	(20092620)
504721.98	3634575.90	22.56072	(20082302)	502721.98	3634625.90	9.07604	(19121706)
502771.98	3634625.90	9.33520	(19121706)	502821.98	3634625.90	9.55712	(19121706)
502871.98	3634625.90	9.67434	(19121706)	502921.98	3634625.90	9.76475	(19121706)
502971.98	3634625.90	9.89342	(19121706)	503021.98	3634625.90	10.06511	(19121706)
503071.98	3634625.90	10.27585	(19121706)	503121.98	3634625.90	10.83254	(20120224)

```
        504471.98   3634625.90       21.11628  (21012617)               504521.98
3634625.90       19.45235  (21012617)
        504571.98   3634625.90       17.48516  (21012617)               504621.98
3634625.90       15.61285  (21012617)
        504671.98   3634625.90       13.91900  (21012617)               504721.98
3634625.90       21.99766  (19030707)
        502721.98   3634675.90        8.99341  (19121706)               502771.98
3634675.90        9.19566  (19121706)
        502821.98   3634675.90        9.35848  (19121706)               502871.98
3634675.90        9.45477  (19121706)
        502921.98   3634675.90        9.54221  (19121706)               502971.98
3634675.90        9.68360  (19121706)
        503021.98   3634675.90        9.81775  (19121706)               503071.98
3634675.90        9.99193  (19121706)
        503121.98   3634675.90       11.10272  (20120224)               503171.98
3634675.90       13.09801  (20120224)
        503221.98   3634675.90       14.56215  (20120224)               503271.98
3634675.90       15.28332  (20120224)
        503321.98   3634675.90       16.79867  (21021806)               503371.98
3634675.90       18.69046  (21021806)
        503421.98   3634675.90       19.73999  (21021806)               503471.98
3634675.90       20.29344  (21021806)
        503521.98   3634675.90       22.86771  (21012024)               504521.98
3634675.90       19.47592  (21012617)
        504571.98   3634675.90       18.24717  (21012617)               504621.98
3634675.90       16.70836  (21012617)
        504671.98   3634675.90       15.06292  (21012617)               504721.98
3634675.90       13.54543  (21012617)
        502721.98   3634725.90        8.87065  (19121706)               502771.98
3634725.90        9.01525  (19121706)
        502821.98   3634725.90        9.11689  (19121706)               502871.98
3634725.90        9.23959  (19121706)
        502921.98   3634725.90        9.31811  (19121706)               502971.98
3634725.90        9.43347  (19121706)
        503021.98   3634725.90        9.57500  (19121706)               503071.98
3634725.90        9.75262  (19020322)
        503121.98   3634725.90       11.27030  (20120224)               503171.98
3634725.90       13.03193  (20120224)
        503221.98   3634725.90       14.25412  (20120224)               503271.98
3634725.90       14.92949  (20120224)
        503321.98   3634725.90       16.69088  (21021806)               503371.98
3634725.90       18.37518  (21021806)
        503421.98   3634725.90       19.25720  (21021806)               503471.98
3634725.90       19.61542  (21021806)
        503521.98   3634725.90       22.79310  (21012024)               503571.98
3634725.90       25.07243  (21012024)
        503621.98   3634725.90       25.72968  (21012024)               504571.98
3634725.90       18.03449  (21012617)
        504621.98   3634725.90       17.20477  (21012617)               504671.98
3634725.90       15.93342  (21012617)
```

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502971.98   3634775.90   9.17977 (19121706)   503021.98
3634775.90   9.40762 (19020322)
        503071.98   3634775.90   9.56881 (19020322)   503121.98
3634775.90   11.38058 (20120224)
        503171.98   3634775.90   12.92205 (20120224)   503221.98
3634775.90   13.93850 (20120224)
        503271.98   3634775.90   14.51662 (20120224)   503321.98
3634775.90   16.42041 (21021806)
        503371.98   3634775.90   17.84106 (21021806)   503421.98
3634775.90   18.57707 (21021806)
        503471.98   3634775.90   18.81525 (21021806)   503521.98
3634775.90   21.93530 (21012024)
        503571.98   3634775.90   24.34488 (21012024)   503621.98
3634775.90   25.28875 (21012024)
        503671.98   3634775.90   24.91369 (21012024)   503721.98

```
3634775.90       23.44207  (21012024)
        503771.98   3634775.90       21.35773  (21012024)                503821.98
3634775.90       20.88204  (21041323)
        504621.98   3634775.90       16.77401  (21012617)                504671.98
3634775.90       16.19854  (21012617)
        504721.98   3634775.90       15.19768  (21012617)                502721.98
3634825.90        8.53701  (19121706)
        502771.98   3634825.90        8.63187  (19121706)                502821.98
3634825.90        8.69368  (19121706)
        502871.98   3634825.90        8.75587  (19121706)                502921.98
3634825.90        8.86482  (19121706)
        502971.98   3634825.90        9.01846  (19020322)                503021.98
3634825.90        9.23459  (19020322)
        503071.98   3634825.90        9.77104  (20120224)                503121.98
3634825.90       11.45671  (20120224)
        503171.98   3634825.90       12.74987  (20120224)                503221.98
3634825.90       13.64419  (20120224)
        503271.98   3634825.90       14.26915  (21021806)                503321.98
3634825.90       16.21203  (21021806)
        503371.98   3634825.90       17.60511  (21021806)                503421.98
3634825.90       18.21355  (21021806)
        503471.98   3634825.90       18.18050  (21021806)                503521.98
3634825.90       21.34582  (21012024)
        503571.98   3634825.90       23.51077  (21012024)                503621.98
3634825.90       24.40833  (21012024)
        503671.98   3634825.90       23.97011  (21012024)                503721.98
3634825.90       22.55861  (21012024)
        503771.98   3634825.90       20.55171  (21012024)                503821.98
3634825.90       20.15686  (21041323)
        503871.98   3634825.90       20.07490  (21041323)                503921.98
3634825.90       18.81271  (21013118)
        504671.98   3634825.90       15.64119  (21012617)                504721.98
3634825.90       15.27021  (21012617)
        502721.98   3634875.90        8.33950  (19121706)                502771.98
3634875.90        8.40811  (19121706)
        502821.98   3634875.90        8.46566  (19121706)                502871.98
3634875.90        8.51532  (19121706)
        502921.98   3634875.90        8.62180  (19121706)                502971.98
3634875.90        8.85944  (19020322)
        503021.98   3634875.90        9.02908  (19020322)                503071.98
3634875.90        9.96839  (20120224)
        503121.98   3634875.90       11.49229  (20120224)                503171.98
3634875.90       12.59348  (20120224)
        503221.98   3634875.90       13.36588  (20120224)                503271.98
3634875.90       14.35100  (21021806)
        503321.98   3634875.90       16.16347  (21021806)                503371.98
3634875.90       17.22118  (21021806)
        503421.98   3634875.90       17.64093  (21021806)                503471.98
3634875.90       17.55578  (21021806)
        503521.98   3634875.90       20.75463  (21012024)                503571.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503021.98   3634925.90   8.80016 (19020322)   503071.98
3634925.90   10.09403 (20120224)
        503121.98   3634925.90   11.47571 (20120224)   503171.98
3634925.90   12.49693 (20120224)
        503221.98   3634925.90   13.14240 (20120224)   503271.98
3634925.90   14.29023 (21021806)

503321.98 3634925.90 15.86784 (21021806) 503371.98
3634925.90 16.79950 (21021806)
503421.98 3634925.90 17.11158 (21021806) 503471.98
3634925.90 17.11646 (21012024)
503521.98 3634925.90 20.14318 (21012024) 503571.98
3634925.90 22.07985 (21012024)
503621.98 3634925.90 22.72458 (21012024) 503671.98
3634925.90 22.24081 (21012024)
503721.98 3634925.90 20.95337 (21012024) 503771.98
3634925.90 18.91160 (21012024)
503821.98 3634925.90 18.28713 (21041323) 503871.98
3634925.90 18.47283 (21041323)
502721.98 3634975.90 7.95575 (19121706) 502771.98
3634975.90 7.97955 (19121706)
502821.98 3634975.90 8.02948 (19121706) 502871.98
3634975.90 8.09522 (19121706)
502921.98 3634975.90 8.36786 (19020322) 502971.98
3634975.90 8.44882 (19020322)
503021.98 3634975.90 8.67962 (20120224) 503071.98
3634975.90 10.17999 (20120224)
503121.98 3634975.90 11.43322 (20120224) 503171.98
3634975.90 12.23756 (20120224)
503221.98 3634975.90 12.73390 (20120224) 503271.98
3634975.90 14.04032 (21021806)
503321.98 3634975.90 15.42765 (21021806) 503371.98
3634975.90 16.23473 (21021806)
503421.98 3634975.90 16.56482 (21021806) 503471.98
3634975.90 16.67936 (21012024)
503521.98 3634975.90 19.55285 (21012024) 503571.98
3634975.90 21.33934 (21012024)
503621.98 3634975.90 21.90421 (21012024) 503671.98
3634975.90 21.40488 (21012024)
503721.98 3634975.90 20.18022 (21012024) 503771.98
3634975.90 21.09366 (21012024)
503821.98 3634975.90 18.28444 (21012024) 503871.98
3634975.90 33.18487 (19122420)
502721.98 3635025.90 7.76743 (19121706) 502771.98
3635025.90 7.80849 (19121706)
502821.98 3635025.90 7.84908 (19121706) 502871.98
3635025.90 8.01791 (19020322)
502921.98 3635025.90 8.18829 (19020322) 502971.98
3635025.90 8.29978 (19020322)
503021.98 3635025.90 8.87586 (20120224) 503071.98
3635025.90 10.26578 (20120224)
503121.98 3635025.90 11.37368 (20120224) 503171.98
3635025.90 12.08406 (20120224)
503221.98 3635025.90 12.48289 (20120224) 503271.98
3635025.90 13.96612 (21021806)
503321.98 3635025.90 15.19728 (21021806) 503371.98
3635025.90 15.86736 (21021806)

```
        503421.98   3635025.90       16.03553  (21021806)               503471.98
3635025.90       16.30334  (21012024)
        503521.98   3635025.90       18.95815  (21012024)               503571.98
3635025.90       20.64796  (21012024)
        503621.98   3635025.90       21.20343  (21012024)               503671.98
3635025.90       20.74393  (21012024)
        503721.98   3635025.90       20.77476  (21012024)               503771.98
3635025.90       20.51270  (21012024)
        503821.98   3635025.90       22.32608  (19122420)               504371.98
3635025.90        7.28208  (20040223)
        502721.98   3635075.90        7.59870  (19121706)               502771.98
3635075.90        7.63314  (19121706)
        502821.98   3635075.90        7.70778  (19020322)               502871.98
3635075.90        7.89863  (19020322)
        502921.98   3635075.90        8.05198  (19020322)               502971.98
3635075.90        8.14502  (19020322)
        503021.98   3635075.90        9.02605  (20120224)               503071.98
3635075.90       10.29441  (20120224)
        503121.98   3635075.90       11.26863  (20120224)               503171.98
3635075.90       11.87912  (20120224)
        503221.98   3635075.90       12.25865  (21021806)               503271.98
3635075.90       13.83923  (21021806)
        503321.98   3635075.90       14.93018  (21021806)               503371.98
3635075.90       15.46295  (21021806)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 978
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
```

```
Y-COORD (M)        CONC     (YYMMDDHH)
 - - -
```

3635175.90   9.25097 (20120224)
        503071.98   3635175.90   10.28423 (20120224)   503121.98
3635175.90   11.01685 (20120224)
        503171.98   3635175.90   11.43574 (20120224)   503221.98
3635175.90   12.26361 (21021806)
        503271.98   3635175.90   13.54659 (21021806)   503321.98
3635175.90   14.39785 (21021806)
        503371.98   3635175.90   14.70717 (21021806)   503421.98
3635175.90   14.51684 (21021806)
        503471.98   3635175.90   15.31137 (21012024)   503521.98
3635175.90   17.48068 (21012024)
        503571.98   3635175.90   18.96284 (21012024)   503621.98
3635175.90   19.32292 (21012024)
        503671.98   3635175.90   18.81970 (21012024)   503721.98
3635175.90   20.61723 (21012024)
        503771.98   3635175.90   19.03586 (19072223)   503821.98
3635175.90   25.93839 (19122420)
        504371.98   3635175.90   10.09819 (21013118)   504421.98
3635175.90   7.03516 (21013118)
        504471.98   3635175.90   6.21301 (20040223)   504521.98
3635175.90   7.59487 (20040223)
        504571.98   3635175.90   8.77149 (20040223)   504621.98
3635175.90   10.26223 (20011620)
        502721.98   3635225.90   7.07231 (19121706)   502771.98
3635225.90   7.25180 (19020322)
        502821.98   3635225.90   7.43105 (19020322)   502871.98
3635225.90   7.54463 (19020322)
        502921.98   3635225.90   7.59325 (19020322)   502971.98
3635225.90   8.16965 (20120224)
        503021.98   3635225.90   9.31168 (20120224)   503071.98
3635225.90   10.22615 (20120224)
        503121.98   3635225.90   10.84961 (20120224)   503171.98
3635225.90   11.17814 (20120224)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):   L0000595   , L0000596 , L0000597   , L0000598   , L0000599   ,
                 L0000600   , L0000601   , L0000602   , L0000603   , L0000604 , L0000605   , L0000606   , L0000607   ,
                 L0000608   , L0000609   , L0000610   , L0000611   , L0000612 , L0000613   , L0000614   , L0000615   ,
                 L0000616   , L0000617   , L0000618   , L0000619   , L0000620

, L0000621   , L0000622   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503221.98	3635225.90	12.12881	(21021806)	503271.98	3635225.90	13.27255	(21021806)
503321.98	3635225.90	13.95933	(21021806)	503371.98	3635225.90	14.19735	(21021806)
503421.98	3635225.90	14.03941	(21021806)	503471.98	3635225.90	14.84373	(21012024)
503521.98	3635225.90	17.04876	(21012024)	503571.98	3635225.90	18.41719	(21012024)
503621.98	3635225.90	18.81420	(21012024)	503671.98	3635225.90	19.61858	(21012024)
504371.98	3635225.90	11.10398	(21013118)	504421.98	3635225.90	7.94789	(21013118)
504471.98	3635225.90	5.98030	(19031219)	504521.98	3635225.90	6.34668	(20040223)
504571.98	3635225.90	7.58633	(20040223)	504621.98	3635225.90	8.59132	(20040223)
502721.98	3635275.90	6.98988	(19020322)	502771.98	3635275.90	7.22262	(19020322)
502821.98	3635275.90	7.36088	(19020322)	502871.98	3635275.90	7.41795	(19020322)
502921.98	3635275.90	7.44260	(19020322)	502971.98	3635275.90	8.31712	(20120224)
503021.98	3635275.90	9.38254	(20120224)	503071.98	3635275.90	10.20515	(20120224)
503121.98	3635275.90	10.74377	(20120224)	503171.98	3635275.90	10.99771	(20120224)
503221.98	3635275.90	12.07296	(21021806)	503271.98	3635275.90	13.12431	(21021806)
503321.98	3635275.90	13.69831	(21021806)	503371.98	3635275.90	13.88191	(21021806)
503421.98	3635275.90	13.64343	(21021806)	503471.98	3635275.90	14.54139	(21012024)
503521.98	3635275.90	16.45168	(21012024)	503571.98	3635275.90	17.82173	(21012024)
503621.98	3635275.90	18.20699	(21012024)	504371.98	3635275.90	12.05478	(21013118)
504421.98	3635275.90	8.90059	(21013118)	504471.98	3635275.90	6.26485	(21013118)

```
        504521.98   3635275.90        5.58451  (19031219)                504571.98
3635275.90        6.43750  (20040223)
        504621.98   3635275.90        7.53475  (20040223)                504671.98
3635275.90        8.48316  (20011620)
        502721.98   3635325.90        6.95318  (19020322)                502771.98
3635325.90        7.13376  (19020322)
        502821.98   3635325.90        7.23122  (19020322)                502871.98
3635325.90        7.26703  (19020322)
        502921.98   3635325.90        7.29868  (20120224)                502971.98
3635325.90        8.41955  (20120224)
        503021.98   3635325.90        9.39052  (20120224)                503071.98
3635325.90       10.11380  (20120224)
        503121.98   3635325.90       10.56600  (20120224)                503171.98
3635325.90       10.78748  (21021806)
        503221.98   3635325.90       11.99867  (21021806)                503271.98
3635325.90       12.93985  (21021806)
        503321.98   3635325.90       13.43894  (21021806)                503371.98
3635325.90       13.54637  (21021806)
        503421.98   3635325.90       13.27965  (21021806)                503471.98
3635325.90       14.30125  (21012024)
        503521.98   3635325.90       16.06473  (21012024)                503571.98
3635325.90       17.24866  (21012024)
        503621.98   3635325.90       17.62953  (21012024)                504371.98
3635325.90       12.84609  (21013118)
        504421.98   3635325.90        9.78500  (21013118)                504471.98
3635325.90        7.06900  (21013118)
        504521.98   3635325.90        5.48401  (19031219)                504571.98
3635325.90        5.37529  (20040223)
        504621.98   3635325.90        6.48517  (20040223)                504671.98
3635325.90        7.45807  (20040223)
        504721.98   3635325.90        8.44139  (20011620)                502721.98
3635375.90        6.90757  (19020322)
        502771.98   3635375.90        7.09770  (19020322)                502821.98
3635375.90        7.15883  (19020322)
        502871.98   3635375.90        7.16043  (19020322)                502921.98
3635375.90        7.50601  (20120224)
        502971.98   3635375.90        8.50397  (20120224)                503021.98
3635375.90        9.42154  (20120224)
        503071.98   3635375.90       10.07494  (20120224)                503121.98
3635375.90       10.38520  (20120224)
        503171.98   3635375.90       10.79482  (21021806)                503221.98
3635375.90       11.90788  (21021806)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 980
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635375.90	12.74289	(21021806)	503321.98	3635375.90	13.16803	(21021806)
503371.98	3635375.90	13.19816	(21021806)	503421.98	3635375.90	12.88370	(21021806)
503471.98	3635375.90	14.01111	(21012024)	503521.98	3635375.90	15.70014	(21012024)
503571.98	3635375.90	16.77644	(21012024)	503621.98	3635375.90	17.03016	(21012024)
503671.98	3635375.90	16.54437	(21012024)	503721.98	3635375.90	17.86477	(21012024)
504371.98	3635375.90	13.47864	(21013118)	504421.98	3635375.90	10.59898	(21013118)
504471.98	3635375.90	7.86781	(21013118)	504521.98	3635375.90	5.60298	(21013118)
504571.98	3635375.90	5.13717	(19031219)	504621.98	3635375.90	5.49581	(20040223)
504671.98	3635375.90	6.50015	(20040223)	504721.98	3635375.90	7.35335	(20040223)
502721.98	3635425.90	6.84579	(19020322)	502771.98	3635425.90	6.95911	(19020322)
502821.98	3635425.90	6.95850	(19020322)	502871.98	3635425.90	6.91588	(19020322)
502921.98	3635425.90	7.63044	(20120224)	502971.98	3635425.90	8.62156	(20120224)
503021.98	3635425.90	9.40615	(20120224)	503071.98	3635425.90	9.94673	(20120224)
503121.98	3635425.90	10.17399	(20120224)	503171.98	3635425.90	10.77595	(21021806)
503221.98	3635425.90	11.86349	(21021806)	503271.98			

```
3635425.90       12.64063  (21021806)
        503321.98   3635425.90       12.95775  (21021806)                503371.98
3635425.90       12.89893  (21021806)
        503421.98   3635425.90       12.53442  (21021806)                503471.98
3635425.90       13.83006  (21012024)
        503521.98   3635425.90       15.45739  (21012024)                503571.98
3635425.90       16.39954  (21012024)
        503621.98   3635425.90       16.56916  (21012024)                503671.98
3635425.90       16.04216  (21012024)
        503721.98   3635425.90       15.35176  (21012024)                503771.98
3635425.90       15.28644  (21012024)
        503821.98   3635425.90       13.24416  (21012024)                504371.98
3635425.90       13.95624  (21013118)
        504421.98   3635425.90       11.32963  (21013118)                504471.98
3635425.90        8.65800  (21013118)
        504521.98   3635425.90        6.30508  (21013118)                504571.98
3635425.90        5.05105  (19031219)
        504621.98   3635425.90        4.81966  (19031219)                504671.98
3635425.90        5.57870  (20040223)
        504721.98   3635425.90        6.48394  (20040223)                502721.98
3635475.90        6.77144  (19020322)
        502771.98   3635475.90        6.79569  (19020322)                502821.98
3635475.90        6.77818  (19020322)
        502871.98   3635475.90        6.72347  (19020322)                502921.98
3635475.90        7.73607  (20120224)
        502971.98   3635475.90        8.62705  (20120224)                503021.98
3635475.90        9.32910  (20120224)
        503071.98   3635475.90        9.78548  (20120224)                503121.98
3635475.90        9.96017  (20120224)
        503171.98   3635475.90       10.73834  (21021806)                503221.98
3635475.90       11.76240  (21021806)
        503271.98   3635475.90       12.42052  (21021806)                503321.98
3635475.90       12.67289  (21021806)
        503371.98   3635475.90       12.56019  (21021806)                503421.98
3635475.90       12.15937  (21021806)
        503471.98   3635475.90       13.57292  (21012024)                503521.98
3635475.90       15.10228  (21012024)
        503571.98   3635475.90       15.98408  (21012024)                503621.98
3635475.90       16.10715  (21012024)
        503671.98   3635475.90       15.53663  (21012024)                503721.98
3635475.90       14.29916  (21012024)
        503771.98   3635475.90       13.70668  (21012024)                503821.98
3635475.90       11.83791  (21012024)
        503871.98   3635475.90       11.57424  (21041323)                503921.98
3635475.90       11.80078  (21041323)
        504371.98   3635475.90       14.24207  (21013118)                504421.98
3635475.90       11.92182  (21013118)
        504471.98   3635475.90        9.38477  (21013118)                504521.98
3635475.90        7.00649  (21013118)
        504571.98   3635475.90        5.04377  (21013118)                504621.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):   L0000595   , L0000596 , L0000597   , L0000598   , L0000599   ,
                 L0000600   , L0000601   , L0000602   , L0000603   , L0000604 , L0000605   , L0000606   , L0000607   ,
                 L0000608   , L0000609   , L0000610   , L0000611   , L0000612 , L0000613   , L0000614   , L0000615   ,
                 L0000616   , L0000617   , L0000618   , L0000619   , L0000620 , L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        504671.98   3635475.90   4.72350 (20040223)   504721.98   3635475.90   5.63357 (20040223)
        502221.98   3632975.90   6.87392 (21012320)   502271.98   3632975.90   6.94999 (21012320)
        502321.98   3632975.90   7.28828 (21111004)   502371.98   3632975.90   7.60268 (21111004)
        502421.98   3632975.90   7.88294 (21111004)   502471.98   3632975.90   8.12717 (21111004)
        502521.98   3632975.90   8.30282 (21111004)   502571.98   3632975.90   8.47286 (21111004)
        502621.98   3632975.90   8.62736 (21111004)   502671.98   3632975.90   8.77777 (21111004)
        502721.98   3632975.90   8.93179 (21111004)   502771.98   3632975.90   9.12064 (21111004)
        502821.98   3632975.90   9.45262 (21111004)   502871.98   3632975.90   25.04307 (20122620)
        502921.98   3632975.90   24.99890 (20122620)   502971.98   3632975.90   24.91985 (21030103)
        503021.98   3632975.90   27.32016 (20092222)   503071.98   3632975.90   36.19568 (21030103)

503121.98 3632975.90 40.98401 (20121603) 503171.98
3632975.90 37.64802 (20121603)
503221.98 3632975.90 36.24221 (20121603) 503271.98
3632975.90 40.73369 (21063005)
503321.98 3632975.90 46.70944 (20102407) 503371.98
3632975.90 55.25643 (20111701)
503421.98 3632975.90 65.87866 (20111701) 503471.98
3632975.90 88.86477 (19110606)
503621.98 3632975.90 88.49175 (21082504) 503671.98
3632975.90 72.01695 (20032321)
503721.98 3632975.90 47.55920 (20081603) 503771.98
3632975.90 34.74022 (20081603)
503821.98 3632975.90 21.47446 (20081805) 503871.98
3632975.90 17.03204 (20082105)
503921.98 3632975.90 15.23958 (20082105) 503971.98
3632975.90 13.75400 (20082105)
504021.98 3632975.90 12.60840 (21011418) 504071.98
3632975.90 11.67587 (21011418)
504121.98 3632975.90 10.79562 (21011418) 504171.98
3632975.90 10.00738 (21011418)
504221.98 3632975.90 9.34554 (20110517) 504271.98
3632975.90 8.90635 (20110517)
504321.98 3632975.90 8.49880 (20110517) 504371.98
3632975.90 8.11593 (20110517)
504421.98 3632975.90 7.76483 (20110517) 504471.98
3632975.90 7.44388 (20110517)
504521.98 3632975.90 7.15219 (20110517) 504571.98
3632975.90 6.88519 (20110517)
504621.98 3632975.90 6.64756 (21011317) 504671.98
3632975.90 6.44790 (21011317)
504721.98 3632975.90 6.26273 (21011317) 504771.98
3632975.90 6.08931 (21011317)
504821.98 3632975.90 5.92402 (21011317) 504871.98
3632975.90 5.76949 (21011317)
504921.98 3632975.90 5.62604 (21011317) 504971.98
3632975.90 5.49050 (21011317)
505021.98 3632975.90 5.36107 (21011317) 505071.98
3632975.90 5.24007 (21011317)
505121.98 3632975.90 5.12843 (21011317) 505171.98
3632975.90 5.00891 (21011317)
505221.98 3632975.90 4.89401 (21011317) 502221.98
3633025.90 6.99073 (21012320)
502271.98 3633025.90 7.17314 (21012320) 502321.98
3633025.90 7.24032 (21012320)
502371.98 3633025.90 7.49858 (21111004) 502421.98
3633025.90 7.86718 (21111004)
502471.98 3633025.90 8.17398 (21111004) 502521.98
3633025.90 8.45857 (21111004)
502571.98 3633025.90 8.70832 (21111004) 502621.98
3633025.90 8.94131 (21111004)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                 L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                 L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                 L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503171.98   3633025.90   37.62850 (20121603)   503221.98
3633025.90   38.30449 (20121603)
        503271.98   3633025.90   40.59144 (21063005)   503321.98
3633025.90   44.59898 (21063005)
        503371.98   3633025.90   56.41306 (20102407)   503421.98
3633025.90   73.45615 (20111701)
        503471.98   3633025.90   88.76508 (19110606)   503621.98
3633025.90   97.97558 (21082504)
        503671.98   3633025.90   71.49003 (20032321)   503721.98
3633025.90   49.95108 (20081603)
        503771.98   3633025.90   30.00642 (20081603)   503821.98

```
3633025.90       19.80624  (20082105)
        503871.98   3633025.90       16.93225  (20082105)                503921.98
3633025.90       15.06664  (20082105)
        503971.98   3633025.90       13.63851  (21011418)                504021.98
3633025.90       12.49170  (21011418)
        504071.98   3633025.90       11.44585  (21011418)                504121.98
3633025.90       10.53767  (21011418)
        504171.98   3633025.90        9.80325  (20110517)                504221.98
3633025.90        9.29626  (20110517)
        504271.98   3633025.90        8.83115  (20110517)                504321.98
3633025.90        8.40641  (20110517)
        504371.98   3633025.90        8.01743  (20110517)                504421.98
3633025.90        7.66922  (20110517)
        504471.98   3633025.90        7.37477  (21011317)                504521.98
3633025.90        7.11862  (21011317)
        504571.98   3633025.90        6.88242  (21011317)                504621.98
3633025.90        6.66434  (21011317)
        504671.98   3633025.90        6.46288  (21011317)                504721.98
3633025.90        6.27572  (21011317)
        504771.98   3633025.90        6.10102  (21011317)                504821.98
3633025.90        5.93529  (21011317)
        504871.98   3633025.90        5.78260  (21011317)                504921.98
3633025.90        5.63817  (21011317)
        504971.98   3633025.90        5.50004  (21011317)                505021.98
3633025.90        5.36729  (21011317)
        505071.98   3633025.90        5.24429  (21011317)                505121.98
3633025.90        5.13040  (21011317)
        505171.98   3633025.90        5.00662  (21011317)                505221.98
3633025.90        4.88734  (21011317)
        502221.98   3633075.90        7.23489  (21012320)                502271.98
3633075.90        7.40452  (21012320)
        502321.98   3633075.90        7.50156  (21012320)                502371.98
3633075.90        7.61043  (21012320)
        502421.98   3633075.90        7.73623  (21012320)                502471.98
3633075.90        8.10900  (21111004)
        502521.98   3633075.90        8.48513  (21111004)                502571.98
3633075.90        8.84005  (21111004)
        502621.98   3633075.90        9.14624  (21111004)                502671.98
3633075.90        9.38458  (21111004)
        502721.98   3633075.90        9.66199  (21111004)                502771.98
3633075.90        9.87849  (21111004)
        502821.98   3633075.90       10.26322  (21111004)                502871.98
3633075.90       10.56335  (21111004)
        502921.98   3633075.90       19.90594  (20122620)                502971.98
3633075.90       34.48966  (20122620)
        503021.98   3633075.90       31.44626  (20122620)                503071.98
3633075.90       31.70178  (21030103)
        503121.98   3633075.90       29.50478  (20121603)                503171.98
3633075.90       35.38534  (20121603)
        503221.98   3633075.90       37.68522  (20121603)                503271.98
```

3633075.90   41.46474 (20121603)
        503321.98   3633075.90   47.21195 (21063005)   503371.98
3633075.90   58.36488 (20102407)
        503421.98   3633075.90   78.58160 (20111701)   503471.98
3633075.90   93.47301 (19081924)
        503621.98   3633075.90   104.51491 (19050105)   503671.98
3633075.90   63.52954 (21060903)
        503721.98   3633075.90   47.53126 (20081603)   503771.98
3633075.90   27.53223 (20081603)
        503821.98   3633075.90   19.26972 (20082105)   503871.98
3633075.90   16.72217 (20082105)
        503921.98   3633075.90   14.88994 (21011418)   503971.98
3633075.90   13.46483 (21011418)
        504021.98   3633075.90   12.20083 (21011418)   504071.98
3633075.90   11.16759 (20082105)
        504121.98   3633075.90   10.37939 (20082105)   504171.98
3633075.90   9.71739 (21011418)
        504221.98   3633075.90   9.18797 (20110517)   504271.98
3633075.90   8.71700 (20110517)

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
                                INCLUDING SOURCE(S):   L0000595   , L0000596 , L0000597   , L0000598   , L0000599   ,
                L0000600   , L0000601   , L0000602   , L0000603   , L0000604 , L0000605   , L0000606   , L0000607   ,
                L0000608   , L0000609   , L0000610   , L0000611   , L0000612 , L0000613   , L0000614   , L0000615   ,
                L0000616   , L0000617   , L0000618   , L0000619   , L0000620 , L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        504421.98   3633075.90        7.67638  (21011317)              504471.98
3633075.90        7.39222  (21011317)
        504521.98   3633075.90        7.13037  (21011317)              504571.98
3633075.90        6.89016  (21011317)
        504621.98   3633075.90        6.66933  (21011317)              504671.98
3633075.90        6.46602  (21011317)
        504721.98   3633075.90        6.27639  (21011317)              504771.98
3633075.90        6.10157  (21011317)
        504821.98   3633075.90        5.93698  (21011317)              504871.98
3633075.90        5.78286  (21011317)
        504921.98   3633075.90        5.62509  (21011317)              504971.98
3633075.90        5.49186  (21011317)
        505021.98   3633075.90        5.36591  (21011317)              505071.98
3633075.90        5.24127  (21011317)
        505121.98   3633075.90        5.12304  (21011317)              505171.98
3633075.90        4.99894  (21011317)
        505221.98   3633075.90        4.89003  (20110517)              502221.98
3633125.90        7.52219  (21012320)
        502271.98   3633125.90        7.64143  (21012320)              502321.98
3633125.90        7.74694  (21012320)
        502371.98   3633125.90        7.85631  (21012320)              502421.98
3633125.90        7.98950  (21012320)
        502471.98   3633125.90        8.09994  (21012320)              502521.98
3633125.90        8.39166  (21111004)
        502571.98   3633125.90        8.82908  (21111004)              502621.98
3633125.90        9.22579  (21111004)
        502671.98   3633125.90        9.60164  (21111004)              502721.98
3633125.90        9.91595  (21111004)
        502771.98   3633125.90       10.26060  (21111004)              502821.98
3633125.90       10.54911  (21111004)
        502871.98   3633125.90       10.95723  (21111004)              502921.98
3633125.90       11.29244  (21111004)
        502971.98   3633125.90       20.45538  (20122620)              503021.98
3633125.90       26.81846  (20122620)
        503071.98   3633125.90       26.13645  (21030103)              503121.98
3633125.90       27.63270  (21030103)
        503171.98   3633125.90       29.73974  (20121603)              503221.98
3633125.90       36.62195  (20121603)
        503271.98   3633125.90       42.76224  (20121603)              503321.98
3633125.90       44.88204  (21063005)
        503371.98   3633125.90       56.48783  (20102407)              503421.98
3633125.90       82.46080  (20111701)
        503471.98   3633125.90       98.83159  (19081924)              503621.98
3633125.90      114.77825  (20032321)
        503671.98   3633125.90       55.50370  (20081603)              503721.98
3633125.90       41.74241  (20081603)
        503771.98   3633125.90       23.80052  (20081603)              503821.98
3633125.90       18.85693  (20082105)
        503871.98   3633125.90       16.43680  (21011418)              503921.98
3633125.90       14.61245  (21011418)
```

```
        503971.98   3633125.90       13.14329  (20082105)                504021.98
3633125.90       12.05551  (20082105)
        504071.98   3633125.90       11.13773  (20082105)                504121.98
3633125.90       10.36308  (20082105)
        504171.98   3633125.90        9.72409  (21011418)                504221.98
3633125.90        9.17569  (20041201)
        504271.98   3633125.90        8.73344  (20041201)                504321.98
3633125.90        8.34741  (21011317)
        504371.98   3633125.90        8.00284  (21011317)                504421.98
3633125.90        7.69026  (21011317)
        504471.98   3633125.90        7.40029  (21011317)                504521.98
3633125.90        7.13334  (21011317)
        504571.98   3633125.90        6.88858  (21011317)                504621.98
3633125.90        6.66637  (21011317)
        504671.98   3633125.90        6.46233  (21011317)                504721.98
3633125.90        6.27195  (21011317)
        504771.98   3633125.90        6.09572  (21011317)                504821.98
3633125.90        5.93121  (21011317)
        504871.98   3633125.90        5.76724  (21011317)                504921.98
3633125.90        5.60212  (21011317)
        504971.98   3633125.90        5.47115  (21011317)                505021.98
3633125.90        5.35328  (21011317)
        505071.98   3633125.90        5.23480  (21011317)                505121.98
3633125.90        5.12479  (20110517)
        505171.98   3633125.90        5.02396  (20110517)                505221.98
3633125.90        4.91874  (20110517)
        502221.98   3633175.90        7.75222  (21012320)                502271.98
3633175.90        7.85370  (21012320)
```


*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
INCLUDING SOURCE(S):   L0000595   , L0000596 , L0000597   , L0000598   , L0000599   ,
L0000600   , L0000601   , L0000602   , L0000603   , L0000604 , L0000605   , L0000606   , L0000607   ,
L0000608   , L0000609   , L0000610   , L0000611   , L0000612 , L0000613   , L0000614   , L0000615   ,
L0000616   , L0000617   , L0000618   , L0000619   , L0000620 , L0000621   , L0000622   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502321.98	3633175.90	7.96701	(21012320)	502371.98	3633175.90	8.14812	(21012320)
502421.98	3633175.90	8.31400	(21012320)	502471.98	3633175.90	8.42319	(21012320)
502521.98	3633175.90	8.58295	(21012320)	502571.98	3633175.90	8.77122	(21012320)
502621.98	3633175.90	9.22252	(21111004)	502671.98	3633175.90	9.71749	(21111004)
502721.98	3633175.90	10.21479	(21111004)	502771.98	3633175.90	10.64413	(21111004)
502821.98	3633175.90	11.05178	(21111004)	502871.98	3633175.90	11.29853	(21111004)
502921.98	3633175.90	11.68502	(21111004)	502971.98	3633175.90	12.01402	(21111004)
503021.98	3633175.90	13.72301	(21030103)	503071.98	3633175.90	17.71021	(21030103)
503121.98	3633175.90	23.12089	(21030103)	503171.98	3633175.90	25.91234	(21030103)
503221.98	3633175.90	34.76371	(20121603)	503271.98	3633175.90	43.86264	(20121603)
503321.98	3633175.90	48.65053	(20121603)	503371.98	3633175.90	59.60216	(21063005)
503421.98	3633175.90	81.90089	(20102407)	503471.98	3633175.90	104.24043	(19081924)
503621.98	3633175.90	85.58773	(20121721)	503671.98	3633175.90	54.70421	(21121422)
503721.98	3633175.90	33.37253	(20081603)	503771.98	3633175.90	21.91092	(20081603)
503821.98	3633175.90	18.70037	(20082024)	503871.98	3633175.90	16.72002	(20082024)
503921.98	3633175.90	15.05676	(20082024)	503971.98	3633175.90	13.62209	(20082024)
504021.98	3633175.90	12.29195	(20082024)	504071.98	3633175.90	11.13778	(20082105)
504121.98	3633175.90	10.38375	(20082105)	504171.98	3633175.90	9.76448	(20082105)
504221.98	3633175.90	9.24196	(20082105)	504271.98	3633175.90	8.78534	(20082105)
504321.98	3633175.90	8.37986	(20041201)	504371.98	3633175.90	8.02317	(20041201)
504421.98	3633175.90	7.69755	(20041201)	504471.98	3633175.90	7.40191	(20041201)
504521.98	3633175.90	7.12647	(21011317)	504571.98			

3633175.90 6.88076 (21011317)
  504621.98 3633175.90 6.66061 (21011317) 504671.98
3633175.90 6.45799 (21011317)
  504721.98 3633175.90 6.26763 (21011317) 504771.98
3633175.90 6.09068 (21011317)
  504821.98 3633175.90 5.92367 (21011317) 504871.98
3633175.90 5.75690 (20110517)
  504921.98 3633175.90 5.60700 (20110517) 504971.98
3633175.90 5.49117 (20110517)
  505021.98 3633175.90 5.37749 (20110517) 505071.98
3633175.90 5.26329 (20110517)
  505121.98 3633175.90 5.16135 (20110517) 505171.98
3633175.90 5.05986 (20110517)
  505221.98 3633175.90 4.95801 (20110517) 502221.98
3633225.90 7.97973 (21012320)
  502271.98 3633225.90 8.12408 (21012320) 502321.98
3633225.90 8.24504 (21012320)
  502371.98 3633225.90 8.44839 (21012320) 502421.98
3633225.90 8.60851 (21012320)
  502471.98 3633225.90 8.69762 (21012320) 502521.98
3633225.90 8.88510 (21012320)
  502571.98 3633225.90 9.06941 (21012320) 502621.98
3633225.90 9.30371 (21012320)
  502671.98 3633225.90 9.61641 (21111004) 502721.98
3633225.90 10.24476 (21111004)
  502771.98 3633225.90 10.75252 (21111004) 502821.98
3633225.90 11.26544 (21111004)
  502871.98 3633225.90 11.70267 (21111004) 502921.98
3633225.90 12.07827 (21111004)
  502971.98 3633225.90 12.43819 (21111004) 503021.98
3633225.90 13.16328 (21011719)
  503071.98 3633225.90 15.35619 (21030103) 503121.98
3633225.90 19.87845 (21030103)
  503171.98 3633225.90 24.68575 (21030103) 503221.98
3633225.90 29.78926 (20121603)
  503271.98 3633225.90 41.37931 (20121603) 503321.98
3633225.90 51.93286 (20121603)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604

```
, L0000605    , L0000606    , L0000607    ,
                L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503371.98   3633225.90       67.34631  (20092124)               503421.98
3633225.90       82.64714  (20102407)
        503471.98   3633225.90      116.07428  (20111701)               503621.98
3633225.90       92.73503  (20121721)
        503671.98   3633225.90       53.52043  (21121422)               503721.98
3633225.90       30.83321  (20092424)
        503771.98   3633225.90       21.43402  (20082024)               503821.98
3633225.90       18.89484  (20082024)
        503871.98   3633225.90       16.89270  (20082024)               503921.98
3633225.90       15.28628  (20082024)
        503971.98   3633225.90       13.96625  (20082024)               504021.98
3633225.90       12.84047  (20082024)
        504071.98   3633225.90       11.78196  (20082024)               504121.98
3633225.90       10.73277  (20082024)
        504171.98   3633225.90        9.87935  (20082105)               504221.98
3633225.90        9.34254  (20082105)
        504271.98   3633225.90        8.87496  (20082105)               504321.98
3633225.90        8.46734  (20082105)
        504371.98   3633225.90        8.10818  (20082105)               504421.98
3633225.90        7.72149  (20041201)
        504471.98   3633225.90        7.42567  (20041201)               504521.98
3633225.90        7.15581  (20041201)
        504571.98   3633225.90        6.90657  (20041201)               504621.98
3633225.90        6.68064  (20041201)
        504671.98   3633225.90        6.46648  (20041201)               504721.98
3633225.90        6.26930  (20041201)
        504771.98   3633225.90        6.09534  (20110517)               504821.98
3633225.90        5.93822  (20110517)
        504871.98   3633225.90        5.78837  (20110517)               504921.98
3633225.90        5.80138  (20082306)
        504971.98   3633225.90        5.52476  (20110517)               505021.98
3633225.90        5.41692  (20110517)
        505071.98   3633225.90        5.30785  (20110517)               505121.98
3633225.90        5.20389  (20110517)
```

```
        505171.98   3633225.90        5.10694  (20110517)               505221.98
3633225.90        5.00876  (20110517)
        502221.98   3633275.90        8.15272  (21012320)               502271.98
3633275.90        8.32118  (21012320)
        502321.98   3633275.90        8.51823  (21012320)               502371.98
3633275.90        8.70693  (21012320)
        502421.98   3633275.90        8.86103  (21012320)               502471.98
3633275.90        9.02709  (21012320)
        502521.98   3633275.90        9.21292  (21012320)               502571.98
3633275.90        9.40533  (21012320)
        502621.98   3633275.90        9.65447  (21012320)               502671.98
3633275.90        9.91179  (21012320)
        502721.98   3633275.90       10.20408  (21012320)               502771.98
3633275.90       10.72016  (21111004)
        502821.98   3633275.90       11.45303  (21111004)               502871.98
3633275.90       11.94117  (21111004)
        502921.98   3633275.90       12.39974  (21111004)               502971.98
3633275.90       12.86953  (21011719)
        503021.98   3633275.90       14.55123  (21011719)               503071.98
3633275.90       15.93845  (21011719)
        503121.98   3633275.90       17.29400  (21030103)               503171.98
3633275.90       22.52725  (21030103)
        503221.98   3633275.90       28.08519  (21030103)               503271.98
3633275.90       39.59955  (20121603)
        503321.98   3633275.90       52.82651  (20121603)               503371.98
3633275.90       71.25204  (20092124)
        503421.98   3633275.90       84.19087  (21063005)               503471.98
3633275.90      107.75706  (19080102)
        503621.98   3633275.90       81.70091  (20121721)               503671.98
3633275.90       47.93519  (21121422)
        503721.98   3633275.90       29.13082  (20092424)               503771.98
3633275.90       21.97731  (20092424)
        503821.98   3633275.90       18.91212  (20082024)               503871.98
3633275.90       16.94006  (20082024)
        503921.98   3633275.90       15.34963  (20082024)               503971.98
3633275.90       14.06914  (20082024)
        504021.98   3633275.90       13.02127  (20082024)               504071.98
3633275.90       12.09910  (20082024)
        504121.98   3633275.90       11.35169  (20082024)               504171.98
3633275.90       10.48514  (20082024)
        504221.98   3633275.90        9.62786  (20082024)               504271.98
3633275.90        8.97230  (20082105)
        504321.98   3633275.90        8.60773  (20082105)               504371.98
3633275.90        8.47829  (20082306)
        504421.98   3633275.90        7.83361  (20082105)               504471.98
3633275.90        7.45715  (20082105)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504521.98	3633275.90	7.16720	(20082105)	504571.98	3633275.90	6.91528	(20041201)
504621.98	3633275.90	6.68916	(20041201)	504671.98	3633275.90	6.50016	(20041201)
504721.98	3633275.90	6.30916	(20041201)	504771.98	3633275.90	6.14397	(20110517)
504821.98	3633275.90	5.98165	(20110517)	504871.98	3633275.90	5.94754	(20041201)
504921.98	3633275.90	6.19697	(20082306)	504971.98	3633275.90	5.73194	(20041201)
505021.98	3633275.90	5.45374	(20110517)	505071.98	3633275.90	5.34562	(20110517)
505121.98	3633275.90	5.24772	(20110517)	505171.98	3633275.90	5.16086	(20110517)
505221.98	3633275.90	5.06683	(20110517)	502221.98	3633325.90	8.27133	(21012320)
502271.98	3633325.90	8.49190	(21012320)	502321.98	3633325.90	8.71113	(21012320)
502371.98	3633325.90	8.91372	(21012320)	502421.98	3633325.90	9.10747	(21012320)
502471.98	3633325.90	9.26897	(21012320)	502521.98	3633325.90	9.49345	(21012320)
502571.98	3633325.90	9.71790	(21012320)	502621.98	3633325.90	9.97417	(21012320)
502671.98	3633325.90	10.24397	(21012320)	502721.98			

3633325.90 10.55037 (21012320)
502771.98 3633325.90 11.05601 (21012320) 502821.98
3633325.90 11.44908 (21012320)
502871.98 3633325.90 11.90789 (21111004) 502921.98
3633325.90 12.56711 (21111004)
502971.98 3633325.90 13.66424 (21011719) 503021.98
3633325.90 14.82014 (21011719)
503071.98 3633325.90 15.93876 (21011719) 503121.98
3633325.90 17.23732 (21011719)
503171.98 3633325.90 19.65622 (21030103) 503221.98
3633325.90 25.72307 (21030103)
503271.98 3633325.90 38.41226 (21030103) 503321.98
3633325.90 51.06112 (20121603)
503371.98 3633325.90 73.46108 (20092124) 503421.98
3633325.90 121.52202 (20092124)
503471.98 3633325.90 87.80499 (20102407) 503621.98
3633325.90 71.96526 (21060422)
503671.98 3633325.90 43.60798 (20092821) 503721.98
3633325.90 27.70918 (20092424)
503771.98 3633325.90 22.79920 (20092424) 503821.98
3633325.90 18.86914 (20082024)
503871.98 3633325.90 16.89302 (20082024) 503921.98
3633325.90 15.31791 (20082024)
503971.98 3633325.90 14.82574 (20082301) 504021.98
3633325.90 13.49942 (20082024)
504071.98 3633325.90 12.42853 (20082024) 504121.98
3633325.90 12.19769 (20082024)
504171.98 3633325.90 10.91916 (20082024) 504221.98
3633325.90 10.11160 (20082024)
504271.98 3633325.90 9.57905 (20082024) 504321.98
3633325.90 9.61213 (20082024)
504371.98 3633325.90 9.60796 (20082303) 504421.98
3633325.90 8.27849 (20082303)
504471.98 3633325.90 7.58203 (20082105) 504521.98
3633325.90 7.25552 (20082105)
504571.98 3633325.90 6.99195 (20082105) 504621.98
3633325.90 6.75372 (21011418)
504671.98 3633325.90 6.74851 (20081806) 504721.98
3633325.90 6.46329 (20081806)
504771.98 3633325.90 6.19403 (21011418) 504821.98
3633325.90 6.05760 (21011418)
504871.98 3633325.90 6.35485 (20081806) 504921.98
3633325.90 6.68719 (20082306)
504971.98 3633325.90 6.25387 (20082306) 505021.98
3633325.90 5.90649 (20082306)
505071.98 3633325.90 5.78035 (20082306) 505121.98
3633325.90 5.30739 (20110517)
505171.98 3633325.90 5.22416 (20110517) 505221.98
3633325.90 5.12854 (20110517)
502221.98 3633375.90 8.29916 (21012320) 502271.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502521.98   3633375.90   9.75460 (21012320)   502571.98
3633375.90   10.00557 (21012320)
        502621.98   3633375.90   10.27153 (21012320)   502671.98
3633375.90   10.55966 (21012320)
        502721.98   3633375.90   10.88053 (21012320)   502771.98
3633375.90   11.22876 (21012320)
        502821.98   3633375.90   11.59723 (21012320)   502871.98
3633375.90   11.95245 (21012320)
        502921.98   3633375.90   12.84303 (21011719)   502971.98
3633375.90   13.78418 (21011719)
        503021.98   3633375.90   14.80331 (21011719)   503071.98
3633375.90   15.92065 (21011719)
        503121.98   3633375.90   17.29809 (21011719)   503171.98
3633375.90   19.04034 (21011719)
        503221.98   3633375.90   22.57233 (21030103)   503271.98
3633375.90   29.69576 (21030103)

503321.98 3633375.90 37.59828 (20121603) 503371.98
3633375.90 68.32876 (20121603)
503421.98 3633375.90 86.75099 (20092123) 503471.98
3633375.90 107.13692 (20090205)
503621.98 3633375.90 83.68942 (21060422) 503671.98
3633375.90 46.73842 (20121721)
503721.98 3633375.90 28.50007 (21121422) 503771.98
3633375.90 23.79839 (20092424)
503821.98 3633375.90 20.74163 (20092424) 503871.98
3633375.90 16.83988 (20082024)
503921.98 3633375.90 16.31417 (20082301) 503971.98
3633375.90 17.57383 (20082301)
504021.98 3633375.90 15.32250 (20082301) 504071.98
3633375.90 13.27872 (20082301)
504121.98 3633375.90 13.62757 (21011602) 504171.98
3633375.90 11.25189 (20082024)
504221.98 3633375.90 10.59358 (20082024) 504271.98
3633375.90 10.82636 (20082024)
504321.98 3633375.90 11.62103 (20082024) 504371.98
3633375.90 11.35668 (20082024)
504421.98 3633375.90 9.29368 (20082024) 504471.98
3633375.90 7.83109 (20082024)
504521.98 3633375.90 7.36818 (20082105) 504571.98
3633375.90 7.11351 (20082105)
504621.98 3633375.90 7.09992 (20081806) 504671.98
3633375.90 7.39692 (20081806)
504721.98 3633375.90 6.82681 (20081806) 504771.98
3633375.90 6.32291 (21011418)
504821.98 3633375.90 6.32566 (20081806) 504871.98
3633375.90 7.31179 (20081806)
504921.98 3633375.90 7.37958 (20081806) 504971.98
3633375.90 7.07119 (20081806)
505021.98 3633375.90 6.69333 (20081806) 505071.98
3633375.90 5.96080 (20081806)
505121.98 3633375.90 5.38282 (20110517) 505171.98
3633375.90 5.29522 (20110517)
505221.98 3633375.90 5.24774 (20041201) 502221.98
3633425.90 8.12390 (21012320)
502271.98 3633425.90 8.43748 (21012320) 502321.98
3633425.90 8.73353 (21012320)
502371.98 3633425.90 9.03423 (21012320) 502421.98
3633425.90 9.34312 (21012320)
502471.98 3633425.90 9.72123 (21012320) 502521.98
3633425.90 9.99528 (21012320)
502571.98 3633425.90 10.26326 (21012320) 502621.98
3633425.90 10.55568 (21012320)
502671.98 3633425.90 10.81955 (21012320) 502721.98
3633425.90 11.11696 (21012320)
502771.98 3633425.90 11.46154 (21012320) 502821.98
3633425.90 11.81597 (21012320)

```
        502871.98   3633425.90       12.22109  (21012320)                502921.98
3633425.90       12.88945  (21011719)
        502971.98   3633425.90       13.77336  (21011719)                503021.98
3633425.90       14.76567  (21011719)
        503071.98   3633425.90       15.99170  (21011719)                503121.98
3633425.90       17.35459  (21011719)
        503171.98   3633425.90       19.17680  (21011719)                503221.98
3633425.90       21.45655  (21011719)
        503271.98   3633425.90       26.17431  (21030103)                503321.98
3633425.90       35.11054  (21030103)
        503371.98   3633425.90       83.35307  (21031822)                503421.98
3633425.90       85.73124  (21041501)
        503471.98   3633425.90      125.64082  (20090205)                503621.98
3633425.90       96.00093  (21060422)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                  PAGE 988
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                 L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                 L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                 L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        503671.98   3633425.90       60.08776  (20121721)                503721.98
3633425.90       33.13699  (20092821)
        503771.98   3633425.90       25.26446  (21121422)                503821.98
3633425.90       23.08243  (20092424)
        503871.98   3633425.90       20.68022  (20092424)                503921.98
3633425.90       20.19012  (21122618)
        503971.98   3633425.90       19.44385  (20082301)                504021.98
```

3633425.90 17.11149 (20082301)
504071.98 3633425.90 15.38748 (20082301) 504121.98
3633425.90 15.32017 (21011602)
504171.98 3633425.90 12.80681 (21011602) 504221.98
3633425.90 12.61117 (21011602)
504271.98 3633425.90 13.51586 (20082024) 504321.98
3633425.90 13.83931 (20082024)
504371.98 3633425.90 12.51680 (20082024) 504421.98
3633425.90 10.48971 (20082024)
504471.98 3633425.90 8.85261 (20082024) 504521.98
3633425.90 7.86115 (20082024)
504571.98 3633425.90 7.65607 (20082024) 504621.98
3633425.90 7.97688 (20082303)
504671.98 3633425.90 8.06438 (20081806) 504721.98
3633425.90 7.78127 (20081806)
504771.98 3633425.90 7.12416 (20081806) 504821.98
3633425.90 6.86254 (20081806)
504871.98 3633425.90 8.05164 (20081806) 504921.98
3633425.90 7.83618 (20081806)
504971.98 3633425.90 7.39593 (20081806) 505021.98
3633425.90 6.33934 (20081806)
505071.98 3633425.90 5.69916 (20081806) 505121.98
3633425.90 5.46641 (20110517)
505171.98 3633425.90 5.35724 (20110517) 505221.98
3633425.90 5.76857 (20081806)
502221.98 3633475.90 7.76702 (21012320) 502271.98
3633475.90 8.14721 (21012320)
502321.98 3633475.90 8.52731 (21012320) 502371.98
3633475.90 8.91036 (21012320)
502421.98 3633475.90 9.29925 (21012320) 502471.98
3633475.90 9.76897 (21012320)
502521.98 3633475.90 10.06387 (21012320) 502571.98
3633475.90 10.39279 (21012320)
502621.98 3633475.90 10.74579 (21012320) 502671.98
3633475.90 11.05209 (21012320)
504771.98 3633475.90 8.83065 (20081806) 504821.98
3633475.90 8.76028 (20081806)
504871.98 3633475.90 8.57820 (20081806) 504921.98
3633475.90 8.41890 (20081806)
504971.98 3633475.90 7.61145 (20081806) 505021.98
3633475.90 6.34193 (20081806)
505071.98 3633475.90 5.79542 (20081806) 505121.98
3633475.90 5.57151 (20081806)
505171.98 3633475.90 5.51926 (20081806) 505221.98
3633475.90 5.99707 (20081806)
502221.98 3633525.90 7.21904 (21012320) 502271.98
3633525.90 7.66256 (21012320)
502321.98 3633525.90 8.10855 (21012320) 502371.98
3633525.90 8.59842 (21012320)
502421.98 3633525.90 9.09402 (21012320) 502471.98

3633525.90   9.60682 (21012320)
        502521.98   3633525.90   9.96872 (21012320)   502571.98
3633525.90   10.30731 (21012320)
        502621.98   3633525.90   10.73981 (21012320)   502671.98
3633525.90   11.13891 (21012320)
        504771.98   3633525.90   9.14574 (20082024)   504821.98
3633525.90   8.68757 (20081806)
        504871.98   3633525.90   8.52989 (20081806)   504921.98
3633525.90   8.43555 (20081806)
        504971.98   3633525.90   8.30214 (20081806)   505021.98
3633525.90   7.39583 (20081806)
        505071.98   3633525.90   6.34043 (20081806)   505121.98
3633525.90   5.74514 (20081806)
        505171.98   3633525.90   5.72646 (20081806)   505221.98
3633525.90   6.09416 (20081806)
        502221.98   3633575.90   6.88297 (19083104)   502271.98
3633575.90   7.00134 (19083104)
        502321.98   3633575.90   7.42916 (21012320)   502371.98
3633575.90   7.98934 (21012320)
        502421.98   3633575.90   8.54147 (21012320)   502471.98
3633575.90   9.06533 (21012320)
        502521.98   3633575.90   9.57222 (21012320)   502571.98
3633575.90   10.07788 (21012320)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
                                 INCLUDING SOURCE(S):   L0000595   , L0000596 , L0000597   , L0000598   , L0000599   ,
                 L0000600   , L0000601   , L0000602   , L0000603   , L0000604 , L0000605   , L0000606   , L0000607   ,
                 L0000608   , L0000609   , L0000610   , L0000611   , L0000612 , L0000613   , L0000614   , L0000615   ,
                 L0000616   , L0000617   , L0000618   , L0000619   , L0000620 , L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

```
 - - -
```

```
        505071.98   3633675.90        8.04937  (20082024)               505121.98
3633675.90        6.97186  (20082024)
        505171.98   3633675.90        6.63028  (20081806)               505221.98
3633675.90        7.08638  (20081806)
        502221.98   3633725.90        6.84012  (21021102)               502271.98
3633725.90        6.94921  (21021102)
        502321.98   3633725.90        7.18179  (19083104)               502371.98
3633725.90        7.54711  (21011719)
        502421.98   3633725.90        7.91053  (21011719)               502471.98
3633725.90        8.26328  (21011719)
        502521.98   3633725.90        8.62535  (21011719)               502571.98
3633725.90        9.00145  (21011719)
        502621.98   3633725.90        9.39872  (21011719)               502671.98
3633725.90        9.80829  (21011719)
        504771.98   3633725.90       10.56954  (20081806)               504821.98
3633725.90       10.31536  (20082024)
        504871.98   3633725.90        9.97214  (20082024)               504921.98
3633725.90        9.68284  (20082024)
        504971.98   3633725.90        9.40062  (20082024)               505021.98
3633725.90        9.07342  (20082024)
        505071.98   3633725.90        8.23005  (20082024)               505121.98
3633725.90        7.26160  (20082024)
        505171.98   3633725.90        7.24520  (20082024)               505221.98
3633725.90        7.28328  (20082024)
        502221.98   3633775.90        6.87540  (21021102)               502271.98
3633775.90        6.99619  (21021102)
        502321.98   3633775.90        7.37048  (21011719)               502371.98
3633775.90        7.67442  (21011719)
        502421.98   3633775.90        8.00932  (21011719)               502471.98
3633775.90        8.29537  (21011719)
        502521.98   3633775.90        8.65195  (21011719)               502571.98
3633775.90        9.02743  (21011719)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 990
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633775.90	9.39930	(21011719)	502671.98	3633775.90	9.79690	(21011719)
504771.98	3633775.90	11.19182	(20081806)	504821.98	3633775.90	10.77643	(20081806)
504871.98	3633775.90	10.26656	(20081806)	504921.98	3633775.90	9.84692	(20082024)
504971.98	3633775.90	9.57066	(20082024)	505021.98	3633775.90	9.16869	(20082024)
505071.98	3633775.90	8.49096	(20082024)	505121.98	3633775.90	7.72696	(20082024)
505171.98	3633775.90	7.63912	(20082024)	505221.98	3633775.90	7.74425	(20082024)
502221.98	3633825.90	6.96068	(21021102)	502271.98	3633825.90	7.11915	(21011719)
502321.98	3633825.90	7.43295	(21011719)	502371.98	3633825.90	7.73124	(21011719)
502421.98	3633825.90	8.02230	(21011719)	502471.98	3633825.90	8.31559	(21011719)
502521.98	3633825.90	8.65076	(21011719)	502571.98	3633825.90	9.01524	(21011719)
502621.98	3633825.90	9.39317	(21011719)	502671.98	3633825.90	9.75269	(21011719)
504771.98	3633825.90	11.64644	(20041201)	504821.98	3633825.90	11.07980	(20081806)
504871.98	3633825.90	10.27018	(20082024)	504921.98	3633825.90	9.79262	(20082024)
504971.98	3633825.90	9.44545	(20082024)	505021.98	3633825.90	9.16736	(20082024)
505071.98	3633825.90	8.60755	(20082024)	505121.98	3633825.90	7.85926	(20082024)
505171.98	3633825.90	7.91182	(20082024)	505221.98	3633825.90	8.06981	(20082024)
502221.98	3633875.90	6.98563	(21021102)	502271.98	3633875.90	7.17614	(21011719)
502321.98	3633875.90	7.48859	(21011719)	502371.98	3633875.90	7.72427	(21011719)
502421.98	3633875.90	8.01705	(21011719)	502471.98	3633875.90	8.27721	(21011719)
502521.98	3633875.90	8.61165	(21011719)	502571.98			

3633875.90   8.96426 (21011719)
        502621.98   3633875.90   9.31116 (21011719)   502671.98
3633875.90   9.63886 (21011719)
        504771.98   3633875.90   11.90462 (20081806)   504821.98
3633875.90   11.01669 (20081806)
        504871.98   3633875.90   10.30838 (20082024)   504921.98
3633875.90   9.72102 (20082024)
        504971.98   3633875.90   9.21259 (20082024)   505021.98
3633875.90   8.75017 (20082024)
        505071.98   3633875.90   8.61340 (20082024)   505121.98
3633875.90   8.15376 (20082024)
        505171.98   3633875.90   8.22289 (20082024)   505221.98
3633875.90   8.28739 (20082024)
        502221.98   3633925.90   7.02698 (21021102)   502271.98
3633925.90   7.21699 (21011719)
        502321.98   3633925.90   7.48261 (21011719)   502371.98
3633925.90   7.69330 (21011719)
        502421.98   3633925.90   8.00026 (21011719)   502471.98
3633925.90   8.24606 (21011719)
        502521.98   3633925.90   8.54092 (21011719)   502571.98
3633925.90   8.84999 (21011719)
        502621.98   3633925.90   9.17452 (21011719)   502671.98
3633925.90   9.49223 (21011719)
        504771.98   3633925.90   11.96604 (20081806)   504821.98
3633925.90   11.00132 (20081806)
        504871.98   3633925.90   10.60627 (20082024)   504921.98
3633925.90   9.74820 (20082024)
        504971.98   3633925.90   8.83624 (20082024)   505021.98
3633925.90   8.59637 (20082024)
        505071.98   3633925.90   8.46327 (20082024)   505121.98
3633925.90   8.38819 (20082024)
        505171.98   3633925.90   8.49467 (20082024)   505221.98
3633925.90   8.49139 (20082024)
        502221.98   3633975.90   7.06447 (21021102)   502271.98
3633975.90   7.20678 (21021102)
        502321.98   3633975.90   7.42449 (21021102)   502371.98
3633975.90   7.67178 (21011719)
        502421.98   3633975.90   7.92799 (21011719)   502471.98
3633975.90   8.17315 (21011719)
        502521.98   3633975.90   8.45147 (21011719)   502571.98
3633975.90   8.72627 (21011719)

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

```
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                 INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3633975.90        9.08879  (21012023)                502671.98
3633975.90        9.46730  (21012023)
        504771.98   3633975.90       11.70037  (20082024)                504821.98
3633975.90       11.32108  (20082024)
        504871.98   3633975.90       10.90998  (20082024)                504921.98
3633975.90       10.23920  (20082024)
        504971.98   3633975.90        8.90073  (20082024)                505021.98
3633975.90        8.35348  (20082024)
        505071.98   3633975.90        8.19365  (20082024)                505121.98
3633975.90        8.62069  (20082024)
        505171.98   3633975.90        8.73842  (20082024)                505221.98
3633975.90        8.68226  (20082024)
        502221.98   3634025.90        7.04479  (21021102)                502271.98
3634025.90        7.18616  (21021102)
        502321.98   3634025.90        7.39877  (21021102)                502371.98
3634025.90        7.64340  (21021102)
        502421.98   3634025.90        7.88605  (21021102)                502471.98
3634025.90        8.14091  (21021102)
        502521.98   3634025.90        8.41443  (21021102)                502571.98
3634025.90        8.73620  (21012023)
        502621.98   3634025.90        9.14346  (21012023)                502671.98
3634025.90        9.48305  (21012023)
        504771.98   3634025.90       12.08140  (20082024)                504821.98
3634025.90       11.66406  (20082024)
        504871.98   3634025.90       11.02215  (20082024)                504921.98
3634025.90       10.07749  (20082024)
        504971.98   3634025.90        8.61694  (20082024)                505021.98
3634025.90        8.20119  (20082024)
        505071.98   3634025.90        8.19656  (20082024)                505121.98
3634025.90        8.79189  (20082024)
```

```
        505171.98   3634025.90        9.00335  (20082024)               505221.98
3634025.90        8.89503  (20082024)
        502221.98   3634075.90        6.89857  (21011719)               502271.98
3634075.90        7.06367  (21021102)
        502321.98   3634075.90        7.27004  (21021102)               502371.98
3634075.90        7.49369  (20022207)
        502421.98   3634075.90        7.74853  (20022207)               502471.98
3634075.90        8.00978  (20022207)
        502521.98   3634075.90        8.36607  (21012023)               502571.98
3634075.90        8.78063  (21012023)
        502621.98   3634075.90        9.10929  (21012023)               502671.98
3634075.90        9.45203  (21012023)
        504771.98   3634075.90       12.39983  (20082024)               504821.98
3634075.90       11.86658  (20082024)
        504871.98   3634075.90       10.67456  (20082024)               504921.98
3634075.90        9.66900  (20082024)
        504971.98   3634075.90        8.67872  (20082024)               505021.98
3634075.90        8.29338  (20082024)
        505071.98   3634075.90        8.42775  (20082024)               505121.98
3634075.90        8.95175  (20082024)
        505171.98   3634075.90        9.24810  (20082024)               505221.98
3634075.90        9.14602  (20082024)
        502221.98   3634125.90        6.77114  (21011719)               502271.98
3634125.90        7.03377  (20022207)
        502321.98   3634125.90        7.28371  (20022207)               502371.98
3634125.90        7.55396  (20022207)
        502421.98   3634125.90        7.77211  (20022207)               502471.98
3634125.90        8.05313  (21012023)
        502521.98   3634125.90        8.36204  (21012023)               502571.98
3634125.90        8.64916  (21012023)
        502621.98   3634125.90        9.01031  (21012023)               502671.98
3634125.90        9.35743  (21012023)
        504771.98   3634125.90       11.73001  (20082024)               504821.98
3634125.90       11.27028  (20082024)
        504871.98   3634125.90       10.51561  (20082024)               504921.98
3634125.90        9.11076  (20082024)
        504971.98   3634125.90        8.82954  (20082024)               505021.98
3634125.90        8.53822  (20082024)
        505071.98   3634125.90        8.87102  (20082024)               505121.98
3634125.90        9.40094  (20082024)
        505171.98   3634125.90        9.53523  (20082024)               505221.98
3634125.90        9.41182  (20082024)
        502221.98   3634175.90        6.73891  (20022207)               502271.98
3634175.90        6.99929  (20022207)
        502321.98   3634175.90        7.20560  (20022207)               502371.98
3634175.90        7.60035  (20022207)
        502421.98   3634175.90        7.83990  (21012023)               502471.98
3634175.90        8.12056  (21012023)
        502521.98   3634175.90        8.35400  (21012023)               502571.98
3634175.90        8.58949  (21012023)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634175.90	8.81481	(21012023)	502671.98	3634175.90	9.08400	(21012023)
504771.98	3634175.90	10.39795	(20082024)	504821.98	3634175.90	9.83337	(20082024)
504871.98	3634175.90	9.43011	(20082024)	504921.98	3634175.90	9.20978	(20082024)
504971.98	3634175.90	9.02031	(20082024)	505021.98	3634175.90	9.11911	(20082024)
505071.98	3634175.90	8.99655	(20082024)	505121.98	3634175.90	9.69681	(20082024)
505171.98	3634175.90	9.80204	(20082024)	505221.98	3634175.90	9.83188	(20041201)
502221.98	3634225.90	6.80297	(20022207)	502271.98	3634225.90	6.98869	(20022207)
502321.98	3634225.90	7.25871	(20022207)	502371.98	3634225.90	7.60030	(21012023)
502421.98	3634225.90	7.88963	(21012023)	502471.98	3634225.90	8.12484	(21012023)
502521.98	3634225.90	8.30548	(21012023)	502571.98	3634225.90	8.51470	(21012023)
502621.98	3634225.90	8.70190	(21012023)	502671.98			

3634225.90 8.91713 (21012023)
504771.98 3634225.90 10.09072 (20041201) 504821.98
3634225.90 9.65942 (20041201)
504871.98 3634225.90 9.44848 (20041201) 504921.98
3634225.90 9.28540 (20082024)
504971.98 3634225.90 9.84329 (20082024) 505021.98
3634225.90 9.59809 (20082024)
505071.98 3634225.90 9.38666 (20082024) 505121.98
3634225.90 9.84855 (20082024)
505171.98 3634225.90 9.67363 (20082024) 505221.98
3634225.90 10.03789 (20041201)
502221.98 3634275.90 6.82436 (20022207) 502271.98
3634275.90 6.98268 (20022207)
502321.98 3634275.90 7.24254 (21012023) 502371.98
3634275.90 7.61084 (21012023)
502421.98 3634275.90 7.84359 (21012023) 502471.98
3634275.90 8.03780 (21012023)
502521.98 3634275.90 8.22456 (21012023) 502571.98
3634275.90 8.39546 (21012023)
502621.98 3634275.90 8.59532 (21012023) 502671.98
3634275.90 8.92403 (21121424)
504771.98 3634275.90 10.25449 (20081806) 504821.98
3634275.90 9.87160 (20081806)
504871.98 3634275.90 9.75361 (20081806) 504921.98
3634275.90 9.99498 (20082024)
504971.98 3634275.90 10.79659 (20082024) 505021.98
3634275.90 10.08071 (20082024)
505071.98 3634275.90 9.84961 (20082024) 505121.98
3634275.90 10.25068 (20082024)
505171.98 3634275.90 9.70479 (20082024) 505221.98
3634275.90 10.17200 (20081806)
502221.98 3634325.90 6.83273 (20022207) 502271.98
3634325.90 7.03522 (21012023)
502321.98 3634325.90 7.26130 (21012023) 502371.98
3634325.90 7.46393 (21012023)
502421.98 3634325.90 7.64188 (21012023) 502471.98
3634325.90 7.79610 (21012023)
502521.98 3634325.90 7.95556 (21012023) 502571.98
3634325.90 8.11417 (21012023)
502621.98 3634325.90 8.33243 (21121424) 502671.98
3634325.90 8.84905 (21121424)
504771.98 3634325.90 10.68205 (20082024) 504821.98
3634325.90 10.88892 (20082024)
504871.98 3634325.90 11.01196 (20082024) 504921.98
3634325.90 11.47440 (20082024)
504971.98 3634325.90 11.73498 (20082024) 505021.98
3634325.90 10.59503 (20082024)
505071.98 3634325.90 10.30643 (20082024) 505121.98
3634325.90 10.87862 (20082024)
505171.98 3634325.90 10.29148 (20082024) 505221.98

3634325.90   10.35955 (20081806)
        502221.98   3634375.90   6.87781 (21012023)   502271.98
3634375.90   7.09912 (21012023)
        502321.98   3634375.90   7.24104 (21012023)   502371.98
3634375.90   7.37310 (21012023)
        502421.98   3634375.90   7.57230 (21012023)   502471.98
3634375.90   7.76949 (21012023)
        502521.98   3634375.90   7.99674 (21012023)   502571.98
3634375.90   8.17294 (20040823)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                  INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3634375.90   8.53547 (21121424)   502671.98
3634375.90   8.82786 (21121424)
        504771.98   3634375.90   11.95236 (20082024)   504821.98
3634375.90   12.77188 (20082024)
        504871.98   3634375.90   12.76235 (20082024)   504921.98
3634375.90   13.04898 (20082024)
        504971.98   3634375.90   12.62803 (20082024)   505021.98
3634375.90   11.29803 (20082024)
        505071.98   3634375.90   11.09736 (20082024)   505121.98
3634375.90   11.67189 (20082024)
        505171.98   3634375.90   11.10799 (20082024)   505221.98
3634375.90   10.71066 (20082024)

```
        502221.98   3634425.90        6.97815  (21012023)               502271.98
3634425.90        7.17237  (21012023)
        502321.98   3634425.90        7.32459  (21012023)               502371.98
3634425.90        7.46536  (21012023)
        502421.98   3634425.90        7.61275  (21012023)               502471.98
3634425.90        7.73589  (21012023)
        502521.98   3634425.90        7.91374  (20040823)               502571.98
3634425.90        8.25166  (21121424)
        502621.98   3634425.90        8.66054  (21121424)               502671.98
3634425.90        8.96562  (21121424)
        504771.98   3634425.90       12.65610  (20082024)               504821.98
3634425.90       13.41144  (20082024)
        504871.98   3634425.90       14.60927  (20082024)               504921.98
3634425.90       14.93952  (20082024)
        504971.98   3634425.90       13.69430  (20082024)               505021.98
3634425.90       13.00759  (20082024)
        505071.98   3634425.90       12.93676  (20082024)               505121.98
3634425.90       12.63718  (20082024)
        505171.98   3634425.90       11.99693  (20082024)               505221.98
3634425.90       11.42943  (20082024)
        502221.98   3634475.90        6.95429  (21012023)               502271.98
3634475.90        7.10897  (21012023)
        502321.98   3634475.90        7.24540  (21012023)               502371.98
3634475.90        7.37622  (21012023)
        502421.98   3634475.90        7.50564  (21012023)               502471.98
3634475.90        7.65152  (20040823)
        502521.98   3634475.90        7.91718  (21121424)               502571.98
3634475.90        8.32757  (21121424)
        502621.98   3634475.90        8.64356  (21121424)               502671.98
3634475.90        8.88326  (21121424)
        504771.98   3634475.90       13.20794  (20082106)               504821.98
3634475.90       12.92819  (20082024)
        504871.98   3634475.90       14.53772  (20082024)               504921.98
3634475.90       15.72987  (20082024)
        504971.98   3634475.90       15.08792  (20082024)               505021.98
3634475.90       14.53997  (20082024)
        505071.98   3634475.90       14.09277  (20082024)               505121.98
3634475.90       13.50778  (20082024)
        505171.98   3634475.90       12.86516  (20082024)               505221.98
3634475.90       12.25239  (20082024)
        502221.98   3634525.90        6.90425  (21012023)               502271.98
3634525.90        7.02517  (21012023)
        502321.98   3634525.90        7.14538  (21012023)               502371.98
3634525.90        7.27079  (21012023)
        502421.98   3634525.90        7.41326  (20040823)               502471.98
3634525.90        7.64285  (20040823)
        502521.98   3634525.90        7.98807  (21121424)               502571.98
3634525.90        8.31919  (21121424)
        502621.98   3634525.90        8.56817  (21121424)               502671.98
3634525.90        8.78736  (21121424)
```

```
        504771.98   3634525.90       16.11087  (20082106)                504821.98
3634525.90       15.00015  (20082106)
        504871.98   3634525.90       15.51748  (20082106)                504921.98
3634525.90       15.93809  (20082106)
        504971.98   3634525.90       14.91794  (20082106)                505021.98
3634525.90       14.46983  (20082024)
        505071.98   3634525.90       14.23351  (20082024)                505121.98
3634525.90       13.87589  (20082024)
        505171.98   3634525.90       13.32796  (20082024)                505221.98
3634525.90       12.67703  (20082024)
        502221.98   3634575.90        6.86290  (21012023)                502271.98
3634575.90        6.93420  (21012023)
        502321.98   3634575.90        7.03702  (21012023)                502371.98
3634575.90        7.16872  (20040823)
        502421.98   3634575.90        7.39727  (20040823)                502471.98
3634575.90        7.67813  (21121424)
        502521.98   3634575.90        8.00375  (21121424)                502571.98
3634575.90        8.25663  (21121424)
```



```
                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                 INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3634575.90        8.44925  (21121424)                502671.98
3634575.90        8.64903  (19121706)
        504771.98   3634575.90       20.19663  (20082302)                504821.98
```

```
3634575.90       18.40419  (20082302)
        504871.98   3634575.90       18.06990  (20082106)                504921.98
3634575.90       16.66676  (20082106)
        504971.98   3634575.90       15.69410  (20082106)                505021.98
3634575.90       15.16908  (20082106)
        505071.98   3634575.90       14.23280  (20082106)                505121.98
3634575.90       13.48280  (20082024)
        505171.98   3634575.90       12.92467  (20082024)                505221.98
3634575.90       12.41445  (20082024)
        502221.98   3634625.90        6.78025  (21012023)                502271.98
3634625.90        6.87368  (21012023)
        502321.98   3634625.90        6.93953  (20040823)                502371.98
3634625.90        7.15612  (20040823)
        502421.98   3634625.90        7.35888  (21121424)                502471.98
3634625.90        7.69434  (21121424)
        502521.98   3634625.90        7.98180  (21121424)                502571.98
3634625.90        8.17237  (21121424)
        502621.98   3634625.90        8.32163  (21121424)                502671.98
3634625.90        8.69769  (19121706)
        504771.98   3634625.90       21.65340  (20092620)                504821.98
3634625.90       19.51209  (20092620)
        504871.98   3634625.90       18.30185  (20092620)                504921.98
3634625.90       17.33384  (20092620)
        504971.98   3634625.90       17.10799  (20092620)                505021.98
3634625.90       16.12488  (20082106)
        505071.98   3634625.90       15.16047  (20082106)                505121.98
3634625.90       14.13933  (20082106)
        505171.98   3634625.90       12.54798  (20082106)                505221.98
3634625.90       11.53123  (20082106)
        502221.98   3634675.90        6.66659  (21012023)                502271.98
3634675.90        6.82399  (20022207)
        502321.98   3634675.90        7.03564  (20040823)                502371.98
3634675.90        7.19639  (20040823)
        502421.98   3634675.90        7.47515  (21121424)                502471.98
3634675.90        7.73489  (21121424)
        502521.98   3634675.90        7.92576  (21121424)                502571.98
3634675.90        8.07690  (21121424)
        502621.98   3634675.90        8.31402  (19121706)                502671.98
3634675.90        8.70507  (19121706)
        504771.98   3634675.90       12.22369  (21012617)                504821.98
3634675.90       11.07231  (21012617)
        504871.98   3634675.90       18.71925  (19030707)                504921.98
3634675.90       18.07351  (20092620)
        504971.98   3634675.90       17.94264  (20092620)                505021.98
3634675.90       17.44121  (20092620)
        505071.98   3634675.90       15.59360  (20082302)                505121.98
3634675.90       14.65467  (20082106)
        505171.98   3634675.90       13.34528  (20082106)                505221.98
3634675.90       12.20369  (20082106)
        502221.98   3634725.90        6.60995  (20022207)                502271.98
```

```
3634725.90        6.80605  (20040823)
        502321.98   3634725.90        6.94512  (20040823)                502371.98
3634725.90        7.16632  (21121424)
        502421.98   3634725.90        7.46349  (21121424)                502471.98
3634725.90        7.67099  (21121424)
        502521.98   3634725.90        7.80451  (21121424)                502571.98
3634725.90        7.93137  (21121424)
        502621.98   3634725.90        8.34287  (19121706)                502671.98
3634725.90        8.67393  (19121706)
        504771.98   3634725.90       13.19256  (21012617)                504821.98
3634725.90       11.85027  (21012617)
        504871.98   3634725.90       16.44027  (19030707)                504921.98
3634725.90       17.97282  (19030707)
        504971.98   3634725.90       18.58523  (20092620)                505021.98
3634725.90       17.57530  (20082302)
        505071.98   3634725.90       16.25896  (20082302)                505121.98
3634725.90       15.02570  (20082302)
        505171.98   3634725.90       13.07912  (20082302)                505221.98
3634725.90       12.42843  (20082106)
        502221.98   3634775.90        6.64265  (20040823)                502271.98
3634775.90        6.83777  (20040823)
        502321.98   3634775.90        6.91718  (21121424)                502371.98
3634775.90        7.16903  (21121424)
        502421.98   3634775.90        7.36352  (21121424)                502471.98
3634775.90        7.52159  (21121424)
        502521.98   3634775.90        7.68889  (21121424)                502571.98
3634775.90        7.96784  (19121706)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                   PAGE 995
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634775.90	8.31730	(19121706)	502671.98	3634775.90	8.56916	(19121706)
504771.98	3634775.90	14.01852	(21012617)	504821.98	3634775.90	12.85119	(21012617)
504871.98	3634775.90	14.40885	(19030707)	504921.98	3634775.90	15.78669	(19030707)
504971.98	3634775.90	16.53812	(20082301)	505021.98	3634775.90	15.65979	(20082302)
505071.98	3634775.90	15.73064	(20082302)	505121.98	3634775.90	15.23891	(20082302)
505171.98	3634775.90	13.37345	(20082302)	505221.98	3634775.90	12.21245	(20082302)
502221.98	3634825.90	6.65756	(20040823)	502271.98	3634825.90	6.80435	(20040823)
502321.98	3634825.90	7.00100	(21121424)	502371.98	3634825.90	7.20035	(21121424)
502421.98	3634825.90	7.32076	(21121424)	502471.98	3634825.90	7.39513	(21121424)
502521.98	3634825.90	7.61248	(19121706)	502571.98	3634825.90	7.99954	(19121706)
502621.98	3634825.90	8.26373	(19121706)	502671.98	3634825.90	8.42982	(19121706)
504771.98	3634825.90	14.48180	(21012617)	504821.98	3634825.90	14.00553	(21012617)
504871.98	3634825.90	19.05309	(19102623)	504921.98	3634825.90	17.69919	(19102623)
504971.98	3634825.90	16.68819	(20082301)	505021.98	3634825.90	14.91216	(20082301)
505071.98	3634825.90	14.12014	(20082301)	505121.98	3634825.90	13.42754	(20082302)
505171.98	3634825.90	12.60554	(20082302)	505221.98	3634825.90	12.01395	(20082302)
502221.98	3634875.90	6.68697	(20040823)	502271.98	3634875.90	6.78513	(21121424)
502321.98	3634875.90	6.98680	(21121424)	502371.98	3634875.90	7.14735	(21121424)
502421.98	3634875.90	7.25737	(21121424)	502471.98	3634875.90	7.33584	(21121424)
502521.98	3634875.90	7.66052	(19121706)	502571.98	3634875.90	7.95357	(19121706)
502621.98	3634875.90	8.15561	(19121706)	502671.98	3634875.90	8.28447	(19121706)
504771.98	3634875.90	14.41131	(21012617)	504821.98	3634875.90	13.83145	(21012617)

```
        504871.98   3634875.90       20.88005  (19102623)                504921.98
3634875.90       18.43991  (19021605)
        504971.98   3634875.90       16.15343  (20020306)                505021.98
3634875.90       14.37237  (20082301)
        505071.98   3634875.90       13.26937  (20082301)                505121.98
3634875.90       13.10307  (20082301)
        505171.98   3634875.90       12.07584  (20082301)                505221.98
3634875.90       11.35417  (20082301)
        502221.98   3634925.90        6.62668  (20040823)                502271.98
3634925.90        6.78760  (21121424)
        502321.98   3634925.90        6.94628  (21121424)                502371.98
3634925.90        7.05750  (21121424)
        502421.98   3634925.90        7.14110  (21121424)                502471.98
3634925.90        7.33214  (19121706)
        502521.98   3634925.90        7.65577  (19121706)                502571.98
3634925.90        7.87660  (19121706)
        502621.98   3634925.90        8.01209  (19121706)                502671.98
3634925.90        8.11180  (19121706)
        504771.98   3634925.90       13.71411  (21012617)                504821.98
3634925.90       13.64838  (21012617)
        504871.98   3634925.90       17.60438  (19102623)                504921.98
3634925.90       18.32566  (19102623)
        504971.98   3634925.90       17.28693  (20020306)                505021.98
3634925.90       14.05086  (20020306)
        505071.98   3634925.90       12.55258  (20082301)                505121.98
3634925.90       12.90432  (20082301)
        505171.98   3634925.90       12.46388  (20082301)                505221.98
3634925.90       12.07479  (20082301)
        502221.98   3634975.90        6.63552  (21121424)                502271.98
3634975.90        6.75936  (21121424)
        502321.98   3634975.90        6.85982  (21121424)                502371.98
3634975.90        6.94435  (21121424)
        502421.98   3634975.90        7.02741  (19121706)                502471.98
3634975.90        7.35769  (19121706)
        502521.98   3634975.90        7.60952  (19121706)                502571.98
3634975.90        7.76443  (19121706)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                  PAGE 996
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
```

```
                 L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                 L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3634975.90        7.86170  (19121706)               502671.98
3634975.90        7.92159  (19121706)
        504821.98   3634975.90       12.90663  (21012617)               504871.98
3634975.90       14.07319  (21012617)
        504921.98   3634975.90       19.03858  (19102623)               504971.98
3634975.90       17.52424  (20110218)
        505021.98   3634975.90       15.12931  (20020306)               505071.98
3634975.90       13.29215  (20020306)
        505121.98   3634975.90       13.31604  (20020306)               505171.98
3634975.90       13.20688  (20082301)
        505221.98   3634975.90       12.90633  (20082301)               502221.98
3635025.90        6.61178  (21121424)
        502271.98   3635025.90        6.69206  (21121424)               502321.98
3635025.90        6.77089  (21121424)
        502371.98   3635025.90        6.82525  (21121424)               502421.98
3635025.90        7.08893  (19121706)
        502471.98   3635025.90        7.35510  (19121706)               502521.98
3635025.90        7.54210  (19121706)
        502571.98   3635025.90        7.65001  (19121706)               502621.98
3635025.90        7.71233  (19121706)
        502671.98   3635025.90        7.74053  (19121706)               504871.98
3635025.90       12.91956  (21012617)
        504921.98   3635025.90       17.26100  (21012617)               504971.98
3635025.90       17.65302  (19020919)
        505021.98   3635025.90       15.42615  (20110218)               505071.98
3635025.90       14.63104  (20020306)
        505121.98   3635025.90       15.10932  (20020306)               505171.98
3635025.90       14.40685  (20020306)
        505221.98   3635025.90       13.24156  (19021605)               502221.98
3635075.90        6.53515  (21121424)
        502271.98   3635075.90        6.59838  (21121424)               502321.98
3635075.90        6.68134  (21121424)
        502371.98   3635075.90        6.82004  (19121706)               502421.98
3635075.90        7.12175  (19121706)
        502471.98   3635075.90        7.33000  (19121706)               502521.98
```

```
3635075.90        7.45749  (19121706)
        502571.98   3635075.90        7.52257  (19121706)                502621.98
3635075.90        7.54853  (19121706)
        502671.98   3635075.90        7.56973  (19121706)                504921.98
3635075.90       14.22621  (21012617)
        504971.98   3635075.90       17.20608  (21012617)                505021.98
3635075.90       17.45653  (19020919)
        505071.98   3635075.90       16.05142  (20110218)                505121.98
3635075.90       16.25295  (20110218)
        505171.98   3635075.90       15.85571  (20102020)                505221.98
3635075.90       15.13183  (20102020)
        502221.98   3635125.90        6.46749  (21121424)                502271.98
3635125.90        6.49847  (21121424)
        502321.98   3635125.90        6.56561  (21121424)                502371.98
3635125.90        6.86892  (19121706)
        502421.98   3635125.90        7.10169  (19121706)                502471.98
3635125.90        7.26226  (19121706)
        502521.98   3635125.90        7.34338  (19121706)                502571.98
3635125.90        7.37947  (19121706)
        502621.98   3635125.90        7.39494  (19121706)                502671.98
3635125.90        7.39797  (19121706)
        505021.98   3635125.90       16.33833  (21012617)                505071.98
3635125.90       16.28627  (21012617)
        505121.98   3635125.90       16.02812  (19102623)                505171.98
3635125.90       16.25576  (19102623)
        505221.98   3635125.90       14.89155  (19102623)                502221.98
3635175.90        6.38383  (21121424)
        502271.98   3635175.90        6.39983  (21121424)                502321.98
3635175.90        6.62411  (19121706)
        502371.98   3635175.90        6.88193  (19121706)                502421.98
3635175.90        7.05977  (19121706)
        502471.98   3635175.90        7.17161  (19121706)                502521.98
3635175.90        7.22941  (19121706)
        502571.98   3635175.90        7.24084  (19121706)                502621.98
3635175.90        7.23427  (19121706)
        502671.98   3635175.90        7.23792  (19121706)                505121.98
3635175.90       10.85469  (21012617)
        505171.98   3635175.90       10.67484  (21012617)                505221.98
3635175.90       13.17804  (19102623)
        502221.98   3635225.90        6.28001  (21121424)                502271.98
3635225.90        6.37243  (19121706)
        502321.98   3635225.90        6.64446  (19121706)                502371.98
3635225.90        6.84371  (19121706)
        502421.98   3635225.90        6.97488  (19121706)                502471.98
3635225.90        7.04850  (19121706)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502521.98	3635225.90	7.07771	(19121706)	502571.98	3635225.90	7.08146	(19121706)
502621.98	3635225.90	7.08037	(19121706)	502671.98	3635225.90	7.07347	(19121706)
502221.98	3635275.90	6.18581	(21121424)	502271.98	3635275.90	6.41769	(19121706)
502321.98	3635275.90	6.64951	(19121706)	502371.98	3635275.90	6.79936	(19121706)
502421.98	3635275.90	6.88502	(19121706)	502471.98	3635275.90	6.92910	(19121706)
502521.98	3635275.90	6.95187	(19121706)	502571.98	3635275.90	6.93576	(19121706)
502621.98	3635275.90	6.92506	(19121706)	502671.98	3635275.90	6.91898	(19121706)
502221.98	3635325.90	6.22564	(19121706)	502271.98	3635325.90	6.43476	(19121706)
502321.98	3635325.90	6.61082	(19121706)	502371.98	3635325.90	6.72312	(19121706)
502421.98	3635325.90	6.78297	(19121706)	502471.98	3635325.90	6.80334	(19121706)
502521.98	3635325.90	6.80027	(19121706)	502571.98	3635325.90	6.78133	(19121706)
502621.98	3635325.90	6.76801	(19121706)	502671.98	3635325.90	6.75817	(19121706)
502221.98	3635375.90	6.24580	(19121706)	502271.98	3635375.90	6.41706	(19121706)

```
        502321.98   3635375.90        6.54754  (19121706)               502371.98
3635375.90        6.62358  (19121706)
        502421.98   3635375.90        6.65864  (19121706)               502471.98
3635375.90        6.66470  (19121706)
        502521.98   3635375.90        6.64334  (19121706)               502571.98
3635375.90        6.62538  (19121706)
        502621.98   3635375.90        6.60807  (19121706)               502671.98
3635375.90        6.72020  (19020322)
        502221.98   3635425.90        6.25043  (19121706)               502271.98
3635425.90        6.36933  (19121706)
        502321.98   3635425.90        6.45928  (19121706)               502371.98
3635425.90        6.50420  (19121706)
        502421.98   3635425.90        6.51929  (19121706)               502471.98
3635425.90        6.51547  (19121706)
        502521.98   3635425.90        6.49379  (19121706)               502571.98
3635425.90        6.46909  (19121706)
        502621.98   3635425.90        6.45878  (19020322)               502671.98
3635425.90        6.68446  (19020322)
        504771.98   3635425.90        7.22802  (20040223)               502221.98
3635475.90        6.21177  (19121706)
        502271.98   3635475.90        6.30597  (19121706)               502321.98
3635475.90        6.36171  (19121706)
        502371.98   3635475.90        6.38351  (19121706)               502421.98
3635475.90        6.38244  (19121706)
        502471.98   3635475.90        6.35441  (19121706)               502521.98
3635475.90        6.33907  (19121706)
        502571.98   3635475.90        6.31022  (19121706)               502621.98
3635475.90        6.43703  (19020322)
        502671.98   3635475.90        6.64231  (19020322)               504771.98
3635475.90        6.44829  (20040223)
        504821.98   3635475.90        7.10684  (20040223)               504871.98
3635475.90        8.20539  (20011620)
        504921.98   3635475.90        9.11881  (20011620)               502221.98
3635525.90        6.14776  (19121706)
        502271.98   3635525.90        6.22208  (19121706)               502321.98
3635525.90        6.25240  (19121706)
        502371.98   3635525.90        6.25301  (19121706)               502421.98
3635525.90        6.24128  (19121706)
        502471.98   3635525.90        6.21869  (19121706)               502521.98
3635525.90        6.18553  (19121706)
        502571.98   3635525.90        6.19093  (19020322)               502621.98
3635525.90        6.41777  (19020322)
        502671.98   3635525.90        6.54636  (19020322)               502721.98
3635525.90        6.61624  (19020322)
        502771.98   3635525.90        6.62844  (19020322)               502821.98
3635525.90        6.59402  (19020322)
        502871.98   3635525.90        6.82915  (20120224)               502921.98
3635525.90        7.79894  (20120224)
        502971.98   3635525.90        8.62400  (20120224)               503021.98
3635525.90        9.24611  (20120224)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635525.90	12.25487	(21021806)	503321.98	3635525.90	12.43981	(21021806)
503371.98	3635525.90	12.28195	(21021806)	503421.98	3635525.90	11.83252	(21021806)
503471.98	3635525.90	13.39618	(21012024)	503521.98	3635525.90	14.73212	(21012024)
503571.98	3635525.90	15.65309	(21012024)	503621.98	3635525.90	15.68557	(21012024)
503671.98	3635525.90	15.07501	(21012024)	503721.98	3635525.90	13.85961	(21012024)
503771.98	3635525.90	12.12972	(21012024)	503821.98	3635525.90	10.43344	(21041323)
503871.98	3635525.90	11.05366	(21041323)	503921.98	3635525.90	11.18316	(21041323)
503971.98	3635525.90	10.83013	(21041323)	504021.98	3635525.90	9.78759	(21041323)
504071.98	3635525.90	8.43456	(21041323)	504121.98			

3635525.90 10.32008 (21013118)
504171.98 3635525.90 12.80382 (21013118) 504221.98
3635525.90 14.72156 (21013118)
504271.98 3635525.90 15.75106 (21013118) 504321.98
3635525.90 15.61844 (21013118)
504371.98 3635525.90 14.39811 (21013118) 504421.98
3635525.90 12.39703 (21013118)
504471.98 3635525.90 10.02428 (21013118) 504521.98
3635525.90 7.68639 (21013118)
504571.98 3635525.90 5.65679 (21013118) 504621.98
3635525.90 4.68218 (19031219)
504671.98 3635525.90 4.48552 (19031219) 504721.98
3635525.90 4.82711 (20040223)
504771.98 3635525.90 5.65988 (20040223) 504821.98
3635525.90 6.39183 (20040223)
504871.98 3635525.90 7.05245 (20011620) 504921.98
3635525.90 8.08811 (20011620)
504971.98 3635525.90 8.90305 (20011620) 505021.98
3635525.90 9.44039 (20011620)
505071.98 3635525.90 9.67689 (20011620) 505121.98
3635525.90 9.63519 (20011620)
505171.98 3635525.90 9.35992 (20011620) 505221.98
3635525.90 8.90781 (20011620)
502221.98 3635575.90 5.98341 (19121706) 502271.98
3635575.90 6.12540 (19121706)
502321.98 3635575.90 6.13182 (19121706) 502371.98
3635575.90 6.12330 (19121706)
502421.98 3635575.90 6.09150 (19121706) 502471.98
3635575.90 6.05980 (19121706)
502521.98 3635575.90 6.02946 (19121706) 502571.98
3635575.90 6.17304 (19020322)
502621.98 3635575.90 6.33882 (19020322) 502671.98
3635575.90 6.42783 (19020322)
502721.98 3635575.90 6.44956 (19020322) 502771.98
3635575.90 6.45743 (19020322)
502821.98 3635575.90 6.41412 (19020322) 502871.98
3635575.90 6.95190 (20120224)
502921.98 3635575.90 7.85696 (20120224) 502971.98
3635575.90 8.59110 (20120224)
503021.98 3635575.90 9.11552 (20120224) 503071.98
3635575.90 9.46928 (20120224)
503121.98 3635575.90 9.52771 (20120224) 503171.98
3635575.90 10.61698 (21021806)
503221.98 3635575.90 11.53097 (21021806) 503271.98
3635575.90 11.87166 (21021806)
503321.98 3635575.90 12.02352 (21021806) 503371.98
3635575.90 12.21398 (21021806)
503421.98 3635575.90 12.20051 (21021806) 503471.98
3635575.90 12.92456 (21012024)
503521.98 3635575.90 14.48519 (21012024) 503571.98

3635575.90   15.31601 (21012024)
        503621.98   3635575.90   15.29584 (21012024)   503671.98
3635575.90   14.66906 (21012024)
        503721.98   3635575.90   13.45665 (21012024)   503771.98
3635575.90   11.75744 (21012024)
        503821.98   3635575.90   10.00501 (21041323)   503871.98
3635575.90   10.64821 (21041323)
        503921.98   3635575.90   10.81648 (21041323)   503971.98
3635575.90   10.53700 (21041323)
        504021.98   3635575.90   9.59011 (21041323)   504071.98
3635575.90   8.36696 (21041323)
        504121.98   3635575.90   9.26093 (21013118)   504171.98
3635575.90   11.67553 (21013118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
                                    INCLUDING SOURCE(S):   L0000595   , L0000596 , L0000597   , L0000598   , L0000599   ,
                L0000600   , L0000601   , L0000602   , L0000603   , L0000604 , L0000605   , L0000606   , L0000607   ,
                L0000608   , L0000609   , L0000610   , L0000611   , L0000612 , L0000613   , L0000614   , L0000615   ,
                L0000616   , L0000617   , L0000618   , L0000619   , L0000620 , L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        504621.98   3635575.90        4.57133  (19031219)                504671.98
3635575.90        4.43088  (19031219)
        504721.98   3635575.90        4.26926  (21032918)                504771.98
3635575.90        4.90139  (20040223)
        504821.98   3635575.90        5.66471  (20040223)                504871.98
3635575.90        6.31795  (20040223)
        504921.98   3635575.90        7.02075  (20011620)                504971.98
3635575.90        7.96539  (20011620)
        505021.98   3635575.90        8.69113  (20011620)                505071.98
3635575.90        9.15346  (20011620)
        505121.98   3635575.90       10.60119  (20011620)                505171.98
3635575.90        9.27909  (20011620)
        505221.98   3635575.90        9.01427  (20011620)                502221.98
3635625.90        6.28694  (20040823)
        502271.98   3635625.90        5.92635  (19121706)                502321.98
3635625.90        5.96741  (19121706)
        502371.98   3635625.90        5.96926  (19121706)                502421.98
3635625.90        6.10791  (21121424)
        502471.98   3635625.90        6.58193  (21121424)                502521.98
3635625.90        6.56658  (21121424)
        502571.98   3635625.90        6.11709  (19020322)                502621.98
3635625.90        6.24978  (19020322)
        502671.98   3635625.90        6.29429  (19020322)                502721.98
3635625.90        6.73944  (19121706)
        502771.98   3635625.90        6.92909  (19121706)                502821.98
3635625.90        6.99567  (20042421)
        502871.98   3635625.90        6.99174  (20120224)                502921.98
3635625.90        7.77939  (20120224)
        502971.98   3635625.90        8.40791  (20120224)                503021.98
3635625.90        8.88323  (20120224)
        503071.98   3635625.90        9.25200  (20120224)                503121.98
3635625.90        9.58406  (20120224)
        503171.98   3635625.90       10.43660  (21021806)                503221.98
3635625.90       11.22994  (21021806)
        503271.98   3635625.90       11.82331  (21021806)                503321.98
3635625.90       12.28824  (21021806)
        503371.98   3635625.90       12.38364  (21021806)                503421.98
3635625.90       12.45168  (21021806)
        503471.98   3635625.90       13.03305  (21021806)                503521.98
3635625.90       14.66163  (21012024)
        503571.98   3635625.90       15.39316  (21012024)                503621.98
3635625.90       15.18026  (21012024)
        503671.98   3635625.90       14.54832  (21012024)                503721.98
3635625.90       13.64994  (21012024)
        503771.98   3635625.90       12.23613  (21012024)                503821.98
3635625.90       10.26967  (21012024)
        503871.98   3635625.90       10.24931  (21041323)                503921.98
3635625.90       10.46094  (21041323)
        503971.98   3635625.90       10.18374  (21041323)                504021.98
3635625.90        9.41437  (21041323)
```

```
        504071.98   3635625.90        8.29374  (21041323)               504121.98
3635625.90        8.29539  (21013118)
        504171.98   3635625.90       10.61239  (21013118)               504221.98
3635625.90       12.69114  (21013118)
        504271.98   3635625.90       14.14875  (21013118)               504321.98
3635625.90       14.69306  (21013118)
        504371.98   3635625.90       14.27230  (21013118)               504421.98
3635625.90       12.98298  (21013118)
        504471.98   3635625.90       11.08612  (21013118)               504521.98
3635625.90        8.95258  (21013118)
        504571.98   3635625.90        6.88096  (21013118)               504621.98
3635625.90        5.09395  (21013118)
        504671.98   3635625.90        4.34707  (19031219)               504721.98
3635625.90        4.18386  (19031219)
        504771.98   3635625.90        4.19458  (20040223)               504821.98
3635625.90        4.95484  (20040223)
        504871.98   3635625.90        5.64859  (20040223)               504921.98
3635625.90        6.22817  (20040223)
        504971.98   3635625.90        6.98088  (20011620)               505021.98
3635625.90        7.82977  (20011620)
        505071.98   3635625.90        8.47129  (20011620)               505121.98
3635625.90        8.87899  (20011620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1000
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        505171.98   3635625.90        9.02582  (20011620)                505221.98
3635625.90        8.94426  (20011620)
        502221.98   3635675.90        6.97137  (21121424)                502271.98
3635675.90        6.43863  (21121424)
        502321.98   3635675.90        6.52646  (21121424)                502371.98
3635675.90        6.41464  (21121424)
        502421.98   3635675.90        6.69201  (21121424)                502471.98
3635675.90        6.63025  (21121424)
        502521.98   3635675.90        6.60193  (19121706)                502571.98
3635675.90        6.34221  (19121706)
        502621.98   3635675.90        6.11539  (19020322)                502671.98
3635675.90        6.27318  (19121706)
        502721.98   3635675.90        7.06080  (19121706)                502771.98
3635675.90        7.65021  (20042421)
        502821.98   3635675.90        7.78155  (20110924)                502871.98
3635675.90        8.45740  (20110924)
        502921.98   3635675.90        9.21956  (20091222)                502971.98
3635675.90        9.32126  (20091222)
        503021.98   3635675.90        9.47615  (20120224)                503071.98
3635675.90       10.31076  (20120224)
        503121.98   3635675.90       11.20067  (20120224)                503171.98
3635675.90       12.01132  (20120224)
        503221.98   3635675.90       12.11095  (20120224)                503271.98
3635675.90       12.53767  (21021806)
        503321.98   3635675.90       13.24481  (21021806)                503371.98
3635675.90       13.48568  (21021806)
        503421.98   3635675.90       13.12512  (21021806)                503471.98
3635675.90       12.89209  (21021806)
        503521.98   3635675.90       14.75995  (21012024)                503571.98
3635675.90       15.31899  (21012024)
        503621.98   3635675.90       15.44075  (21012024)                503671.98
3635675.90       15.01565  (21012024)
        503721.98   3635675.90       14.49840  (21012024)                503771.98
3635675.90       13.11279  (21012024)
        503821.98   3635675.90       10.44111  (21012024)                503871.98
3635675.90        9.89751  (21041323)
        503921.98   3635675.90       10.28475  (21041323)                503971.98
3635675.90       10.00672  (21041323)
        504021.98   3635675.90        9.23938  (21041323)                504071.98
3635675.90        8.21654  (21041323)
        504121.98   3635675.90        7.42105  (21013118)                504171.98
3635675.90        9.62109  (21013118)
        504221.98   3635675.90       11.69320  (21013118)                504271.98
3635675.90       13.29435  (21013118)
        504321.98   3635675.90       14.12042  (21013118)                504371.98
3635675.90       14.02515  (21013118)
        504421.98   3635675.90       13.07076  (21013118)                504471.98
3635675.90       11.46694  (21013118)
        504521.98   3635675.90        9.50409  (21013118)                504571.98
```

```
3635675.90        7.47608  (21013118)
        504621.98   3635675.90        5.65215  (21013118)                504671.98
3635675.90        4.24830  (19031219)
        504721.98   3635675.90        4.12918  (19031219)                504771.98
3635675.90        3.98157  (21032918)
        504821.98   3635675.90        4.28330  (20040223)                504871.98
3635675.90        4.98662  (20040223)
        504921.98   3635675.90        5.61489  (20040223)                504971.98
3635675.90        6.13928  (20040223)
        505021.98   3635675.90        6.92384  (20011620)                505071.98
3635675.90        7.69368  (20011620)
        505121.98   3635675.90        8.27212  (20011620)                505171.98
3635675.90        8.61565  (20011620)
        505221.98   3635675.90        8.72728  (20011620)                502221.98
3635725.90        7.37331  (21121424)
        502271.98   3635725.90        6.83107  (21121424)                502321.98
3635725.90        6.66520  (21121424)
        502371.98   3635725.90        6.46223  (21121424)                502421.98
3635725.90        6.62605  (21121424)
        502471.98   3635725.90        6.52469  (19121706)                502521.98
3635725.90        6.91610  (19121706)
        502571.98   3635725.90        6.59517  (19121706)                502621.98
3635725.90        6.31779  (19121706)
        502671.98   3635725.90        6.82389  (19121706)                502721.98
3635725.90        7.08692  (20042421)
        502771.98   3635725.90        7.35516  (20110924)                502821.98
3635725.90        8.27173  (20110924)
        502871.98   3635725.90        8.50187  (19073101)                502921.98
3635725.90        9.02603  (19111601)
        502971.98   3635725.90        9.28874  (20033120)                503021.98
3635725.90       10.12185  (20120224)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1001
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                  INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503071.98	3635725.90	10.98747	(20120224)	503121.98	3635725.90	12.21769	(20120224)
503171.98	3635725.90	12.69922	(20120224)	503221.98	3635725.90	12.37129	(20120224)
503271.98	3635725.90	12.73834	(21021806)	503321.98	3635725.90	13.49775	(21021806)
503371.98	3635725.90	13.70817	(21021806)	503421.98	3635725.90	13.17980	(21021806)
503471.98	3635725.90	12.62114	(21012024)	503521.98	3635725.90	14.45421	(21012024)
503571.98	3635725.90	14.92271	(21012024)	503621.98	3635725.90	15.53275	(21012024)
503671.98	3635725.90	14.96880	(21012024)	503721.98	3635725.90	14.48358	(21012024)
503771.98	3635725.90	13.00388	(21012024)	503821.98	3635725.90	10.52197	(21012024)
503871.98	3635725.90	9.57390	(21041323)	503921.98	3635725.90	10.00534	(21041323)
503971.98	3635725.90	9.91808	(21041323)	504021.98	3635725.90	9.06294	(21041323)
504071.98	3635725.90	8.13200	(21041323)	504121.98	3635725.90	6.95487	(21041323)
504171.98	3635725.90	8.70940	(21013118)	504221.98	3635725.90	10.75587	(21013118)
504271.98	3635725.90	12.44368	(21013118)	504321.98	3635725.90	13.47556	(21013118)
504371.98	3635725.90	13.69307	(21013118)	504421.98	3635725.90	13.05775	(21013118)
504471.98	3635725.90	11.74048	(21013118)	504521.98	3635725.90	9.97192	(21013118)
504571.98	3635725.90	8.03588	(21013118)	504621.98	3635725.90	6.20171	(21013118)
504671.98	3635725.90	4.61723	(21013118)	504721.98	3635725.90	4.05807	(19031219)
504771.98	3635725.90	3.91432	(19031219)	504821.98	3635725.90	3.81648	(21032918)
504871.98	3635725.90	4.34962	(20040223)	504921.98	3635725.90	4.99956	(20040223)
504971.98	3635725.90	5.57597	(20040223)	505021.98	3635725.90	6.03952	(20040223)

```
        505071.98   3635725.90        6.85703  (20011620)               505121.98
3635725.90        7.56085  (20011620)
        505171.98   3635725.90        8.06886  (20011620)               505221.98
3635725.90        8.36258  (20011620)
        502221.98   3635775.90        7.42559  (21121424)               502271.98
3635775.90        6.91061  (21121424)
        502321.98   3635775.90        6.76524  (21121424)               502371.98
3635775.90        6.43570  (21121424)
        502421.98   3635775.90        6.50807  (19121706)               502471.98
3635775.90        6.79138  (19121706)
        502521.98   3635775.90        7.10898  (19121706)               502571.98
3635775.90        7.13904  (20042421)
        502621.98   3635775.90        7.23812  (20042421)               502671.98
3635775.90        7.32449  (20042421)
        502721.98   3635775.90        6.82397  (20042421)               502771.98
3635775.90        7.02652  (20110924)
        502821.98   3635775.90        8.09514  (20110924)               502871.98
3635775.90        8.52934  (20091222)
        502921.98   3635775.90        8.67868  (19111601)               502971.98
3635775.90        9.19883  (20033120)
        503021.98   3635775.90       10.76760  (20120224)               503071.98
3635775.90       11.73492  (20120224)
        503121.98   3635775.90       12.47197  (20120224)               503171.98
3635775.90       12.63890  (20120224)
        503221.98   3635775.90       13.40174  (21021806)               503271.98
3635775.90       14.36826  (21021806)
        503321.98   3635775.90       14.24650  (21021806)               503371.98
3635775.90       13.80303  (21021806)
        503421.98   3635775.90       13.11227  (21021806)               503471.98
3635775.90       12.53804  (21012024)
        503521.98   3635775.90       14.72046  (21012024)               503571.98
3635775.90       15.68182  (21012024)
        503621.98   3635775.90       16.29323  (21012024)               503671.98
3635775.90       15.29116  (21012024)
        503721.98   3635775.90       14.11966  (21012024)               503771.98
3635775.90       12.77329  (21012024)
        503821.98   3635775.90       10.51276  (21012024)               503871.98
3635775.90        9.75150  (21041323)
        503921.98   3635775.90       11.29308  (19122420)               503971.98
3635775.90       12.39782  (19122420)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1002
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
```

INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 , L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 , L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504021.98	3635775.90	8.88774	(21041323)	504071.98	3635775.90	8.30625	(21041323)
504121.98	3635775.90	6.95069	(21041323)	504171.98	3635775.90	7.87752	(21013118)
504221.98	3635775.90	9.85970	(21013118)	504271.98	3635775.90	11.59696	(21013118)
504321.98	3635775.90	12.79670	(21013118)	504371.98	3635775.90	13.26974	(21013118)
504421.98	3635775.90	12.94120	(21013118)	504471.98	3635775.90	11.90714	(21013118)
504521.98	3635775.90	10.35302	(21013118)	504571.98	3635775.90	8.54110	(21013118)
504621.98	3635775.90	6.73687	(21013118)	504671.98	3635775.90	5.10840	(21013118)
504721.98	3635775.90	3.96886	(19031219)	504771.98	3635775.90	3.86817	(19031219)
504821.98	3635775.90	3.71004	(21032918)	504871.98	3635775.90	3.75625	(20040223)
504921.98	3635775.90	4.40139	(20040223)	504971.98	3635775.90	5.00428	(20040223)
505021.98	3635775.90	5.52374	(20040223)	505071.98	3635775.90	6.00127	(20011620)
505121.98	3635775.90	6.78433	(20011620)	505171.98	3635775.90	7.41900	(20011620)
505221.98	3635775.90	7.87023	(20011620)	502221.98	3635825.90	7.34176	(21121424)
502271.98	3635825.90	6.91327	(21121424)	502321.98	3635825.90	6.66943	(21121424)
502371.98	3635825.90	6.24681	(21121424)	502421.98	3635825.90	6.77365	(19091321)
502471.98	3635825.90	6.94222	(19121706)	502521.98			

```
3635825.90        7.46513  (20042421)
        502571.98   3635825.90        7.41457  (20042421)                502621.98
3635825.90        7.29444  (20042421)
        502671.98   3635825.90        7.04814  (20042421)                502721.98
3635825.90        7.11161  (20110924)
        502771.98   3635825.90        7.54098  (20110924)                502821.98
3635825.90        7.97382  (20110924)
        502871.98   3635825.90        8.60124  (20091222)                502921.98
3635825.90        8.76961  (20033120)
        502971.98   3635825.90        9.15105  (20120224)                503021.98
3635825.90       11.42860  (20120224)
        503071.98   3635825.90       12.56732  (20120224)                503121.98
3635825.90       12.83991  (20120224)
        503171.98   3635825.90       12.69268  (20120224)                503221.98
3635825.90       13.80202  (21021806)
        503271.98   3635825.90       14.16803  (21021806)                503321.98
3635825.90       13.86567  (21021806)
        503371.98   3635825.90       13.49251  (21021806)                503421.98
3635825.90       12.80494  (21021806)
        503471.98   3635825.90       12.51651  (21012024)                503521.98
3635825.90       15.99466  (21041324)
        503571.98   3635825.90       17.01474  (21012024)                503621.98
3635825.90       16.93510  (21012024)
        503671.98   3635825.90       15.89102  (21012024)                503721.98
3635825.90       14.44312  (21012024)
        503771.98   3635825.90       12.57459  (21012024)                503821.98
3635825.90       10.42426  (21012024)
        503871.98   3635825.90        9.51149  (21041323)                503921.98
3635825.90       10.97093  (19122420)
        503971.98   3635825.90       13.47061  (19122420)                504021.98
3635825.90        9.11186  (21041323)
        504071.98   3635825.90       12.62206  (19122420)                504121.98
3635825.90       10.69948  (19122420)
        504171.98   3635825.90        7.02845  (21013118)                504221.98
3635825.90        8.99590  (21013118)
        504271.98   3635825.90       11.02343  (21013118)                504321.98
3635825.90       12.09754  (21013118)
        504371.98   3635825.90       12.78425  (21013118)                504421.98
3635825.90       12.73191  (21013118)
        504471.98   3635825.90       11.97296  (21013118)                504521.98
3635825.90       10.65333  (21013118)
        504571.98   3635825.90        8.98928  (21013118)                504621.98
3635825.90        7.24403  (21013118)
        504671.98   3635825.90        5.60154  (21013118)                504721.98
3635825.90        4.18803  (21013118)
        504771.98   3635825.90        3.79993  (19031219)                504821.98
3635825.90        3.67918  (19031219)
        504871.98   3635825.90        3.57641  (21032918)                504921.98
3635825.90        3.83531  (20040223)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596
, L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604
, L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612
, L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620
, L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504971.98	3635825.90	4.43988	(20040223)	505021.98	3635825.90	4.99142	(20040223)
505071.98	3635825.90	5.46026	(20040223)	505121.98	3635825.90	5.98380	(20011620)
505171.98	3635825.90	6.70310	(20011620)	505221.98	3635825.90	7.27752	(20011620)
502221.98	3635875.90	7.20439	(19121706)	502271.98	3635875.90	6.87033	(19091321)
502321.98	3635875.90	6.54178	(19091321)	502371.98	3635875.90	6.46150	(19121706)
502421.98	3635875.90	6.86614	(19121706)	502471.98	3635875.90	7.26471	(20042421)
502521.98	3635875.90	7.63846	(20042421)	502571.98	3635875.90	7.47395	(20042421)
502621.98	3635875.90	7.25442	(20042421)	502671.98	3635875.90	7.50269	(20110924)
502721.98	3635875.90	7.69231	(20110924)	502771.98	3635875.90	7.78270	(20110924)
502821.98	3635875.90	8.12259	(20091222)	502871.98	3635875.90	8.55404	(20091222)
502921.98	3635875.90	8.72084	(20033120)	502971.98	3635875.90	9.72339	(20120224)

503021.98 3635875.90 11.90124 (20120224) 503071.98
3635875.90 12.73481 (20120224)
503121.98 3635875.90 12.80334 (20120224) 503171.98
3635875.90 12.48709 (20120224)
503221.98 3635875.90 13.23015 (21021806) 503271.98
3635875.90 13.86945 (21021806)
503321.98 3635875.90 13.63011 (21021806) 503371.98
3635875.90 13.12770 (21021806)
503421.98 3635875.90 12.38034 (21021806) 503471.98
3635875.90 12.87793 (21041324)
503521.98 3635875.90 18.14188 (21041324) 503571.98
3635875.90 16.84720 (21012024)
503621.98 3635875.90 16.54287 (21012024) 503671.98
3635875.90 15.50801 (21012024)
503721.98 3635875.90 14.21065 (21012024) 503771.98
3635875.90 12.43592 (21012024)
503821.98 3635875.90 10.29252 (21012024) 503871.98
3635875.90 9.54001 (21041323)
503921.98 3635875.90 11.12003 (19122420) 503971.98
3635875.90 13.33289 (19122420)
504021.98 3635875.90 12.58055 (19122420) 504071.98
3635875.90 14.09356 (19122420)
504121.98 3635875.90 11.91097 (19122420) 504171.98
3635875.90 8.81531 (20092001)
504221.98 3635875.90 10.53676 (20092001) 504271.98
3635875.90 11.15065 (21013118)
504321.98 3635875.90 12.34561 (21013118) 504371.98
3635875.90 12.89705 (21013118)
504421.98 3635875.90 13.11283 (21013118) 504471.98
3635875.90 11.94590 (21013118)
504521.98 3635875.90 10.85669 (21013118) 504571.98
3635875.90 9.37117 (21013118)
504621.98 3635875.90 7.71449 (21013118) 504671.98
3635875.90 6.08712 (21013118)
504721.98 3635875.90 4.63003 (21013118) 504771.98
3635875.90 3.71778 (19031219)
504821.98 3635875.90 3.63349 (19031219) 504871.98
3635875.90 3.49286 (19031219)
504921.98 3635875.90 3.44018 (21032918) 504971.98
3635875.90 3.90088 (20040223)
505021.98 3635875.90 4.46254 (20040223) 505071.98
3635875.90 4.96713 (20040223)
505121.98 3635875.90 5.38989 (20040223) 505171.98
3635875.90 5.95549 (20011620)
505221.98 3635875.90 6.61631 (20011620) 502221.98
3635925.90 7.52103 (19121706)
502271.98 3635925.90 6.99794 (19091321) 502321.98
3635925.90 6.92730 (19091321)
502371.98 3635925.90 6.61795 (19121706) 502421.98
3635925.90 7.18591 (20042421)

```
        502471.98   3635925.90        7.42504  (20042421)                502521.98
3635925.90        7.54326  (20042421)
        502571.98   3635925.90        7.21398  (20042421)                502621.98
3635925.90        7.57106  (20110924)
        502671.98   3635925.90        7.83940  (20110924)                502721.98
3635925.90        7.83996  (20110924)
        502771.98   3635925.90        7.80696  (19073101)                502821.98
3635925.90        8.37771  (20091222)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1004
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                 INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                 L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                 L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                 L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        502871.98   3635925.90        8.25483  (19111601)                502921.98
3635925.90        8.97154  (20120224)
        502971.98   3635925.90       10.24709  (20120224)                503021.98
3635925.90       12.13354  (20120224)
        503071.98   3635925.90       12.73166  (20120224)                503121.98
3635925.90       12.58872  (20120224)
        503171.98   3635925.90       12.20590  (21021806)                503221.98
3635925.90       13.28271  (21021806)
        503271.98   3635925.90       13.57451  (21021806)                503321.98
3635925.90       13.33654  (21021806)
        503371.98   3635925.90       12.78486  (21021806)                503421.98
3635925.90       11.90495  (21021806)
        503471.98   3635925.90       14.43814  (21041324)                503521.98
```

```
3635925.90       17.87085  (21041324)
        503571.98   3635925.90       16.73050  (21012024)                503621.98
3635925.90       15.89712  (21012024)
        503671.98   3635925.90       15.24195  (21012024)                503721.98
3635925.90       14.15099  (21012024)
        503771.98   3635925.90       12.43182  (21012024)                503821.98
3635925.90       10.23339  (20071102)
        503871.98   3635925.90        9.09384  (21041323)                503921.98
3635925.90       10.69401  (19122420)
        503971.98   3635925.90       13.31622  (19122420)                504021.98
3635925.90       13.81968  (19122420)
        504071.98   3635925.90       14.14586  (19122420)                504121.98
3635925.90       12.77060  (19122420)
        504171.98   3635925.90       11.32183  (20092001)                504221.98
3635925.90       13.54274  (20092001)
        504271.98   3635925.90       11.66437  (20092001)                504321.98
3635925.90       12.46782  (21013118)
        504371.98   3635925.90       14.27886  (21013118)                504421.98
3635925.90       15.09238  (21013118)
        504471.98   3635925.90       14.29612  (21013118)                504521.98
3635925.90       11.92056  (21013118)
        504571.98   3635925.90        9.68214  (21013118)                504621.98
3635925.90        8.13321  (21013118)
        504671.98   3635925.90        6.55231  (21013118)                504721.98
3635925.90        5.08056  (21013118)
        504771.98   3635925.90        3.81909  (21013118)                504821.98
3635925.90        3.56975  (19031219)
        504871.98   3635925.90        3.46368  (19031219)                504921.98
3635925.90        3.35891  (21032918)
        504971.98   3635925.90        3.39489  (20040223)                505021.98
3635925.90        3.95196  (20040223)
        505071.98   3635925.90        4.47518  (20040223)                505121.98
3635925.90        4.93614  (20040223)
        505171.98   3635925.90        5.31482  (20040223)                505221.98
3635925.90        6.15347  (20011620)
        502221.98   3635975.90        7.88456  (19121706)                502271.98
3635975.90        7.43919  (20042421)
        502321.98   3635975.90        7.51108  (20042421)                502371.98
3635975.90        7.12171  (20042421)
        502421.98   3635975.90        7.46358  (20042421)                502471.98
3635975.90        7.40844  (20042421)
        502521.98   3635975.90        7.13126  (20042421)                502571.98
3635975.90        7.05976  (20110924)
        502621.98   3635975.90        7.58800  (20110924)                502671.98
3635975.90        7.74738  (20110924)
        502721.98   3635975.90        7.84345  (19073101)                502771.98
3635975.90        8.13799  (20091222)
        502821.98   3635975.90        8.05300  (19111601)                502871.98
3635975.90        8.06749  (20033120)
        502921.98   3635975.90        9.19703  (20120224)                502971.98
```

3635975.90   10.37201 (20120224)
        503021.98   3635975.90   12.16323 (20120224)   503071.98
3635975.90   12.49705 (20120224)
        503121.98   3635975.90   12.28815 (20120224)   503171.98
3635975.90   12.32819 (21021806)
        503221.98   3635975.90   13.14379 (21021806)   503271.98
3635975.90   13.29902 (21021806)
        503321.98   3635975.90   13.04323 (21021806)   503371.98
3635975.90   12.50805 (21021806)
        503421.98   3635975.90   12.13130 (21041324)   503471.98
3635975.90   15.35482 (21041324)
        503521.98   3635975.90   15.96819 (21041324)   503571.98
3635975.90   15.63911 (21012024)
        503621.98   3635975.90   15.52780 (21012024)   503671.98
3635975.90   15.13262 (21012024)
        503721.98   3635975.90   14.02628 (21012024)   503771.98
3635975.90   12.24375 (21012024)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
                                    INCLUDING SOURCE(S):   L0000595   , L0000596 , L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604 , L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612 , L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620 , L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

504021.98 3635975.90 15.03164 (19122420) 504071.98
3635975.90 15.45739 (19122420)
504121.98 3635975.90 13.66022 (19122420) 504171.98
3635975.90 13.88259 (20092001)
504221.98 3635975.90 14.81456 (20092001) 504271.98
3635975.90 13.16809 (20092001)
504321.98 3635975.90 13.32649 (21060422) 504371.98
3635975.90 15.05178 (21013118)
504421.98 3635975.90 16.38090 (21013118) 504471.98
3635975.90 15.57758 (21013118)
504521.98 3635975.90 14.30326 (21013118) 504571.98
3635975.90 12.12936 (21013118)
504621.98 3635975.90 11.38393 (20121721) 504671.98
3635975.90 7.44678 (21013118)
504721.98 3635975.90 5.67297 (21013118) 504771.98
3635975.90 4.22583 (21013118)
504821.98 3635975.90 3.49992 (19031219) 504871.98
3635975.90 3.42255 (19031219)
504921.98 3635975.90 3.29806 (19031219) 504971.98
3635975.90 3.24470 (21032918)
505021.98 3635975.90 3.46580 (20040223) 505071.98
3635975.90 3.98992 (20040223)
505121.98 3635975.90 4.47450 (20040223) 505171.98
3635975.90 4.89640 (20040223)
505221.98 3635975.90 5.23487 (20040223) 501721.98
3632475.90 5.29259 (21111004)
501821.98 3632475.90 5.49658 (21111004) 501921.98
3632475.90 5.62599 (21111004)
502021.98 3632475.90 5.70439 (21111004) 502121.98
3632475.90 5.75476 (21111004)
502221.98 3632475.90 5.77195 (21111004) 502321.98
3632475.90 5.76690 (21111004)
502421.98 3632475.90 6.34113 (21030103) 502521.98
3632475.90 8.85274 (21030103)
502621.98 3632475.90 11.19646 (21030103) 502721.98
3632475.90 13.65695 (20121603)
502821.98 3632475.90 17.99815 (20121603) 502921.98
3632475.90 19.89066 (20121603)
503021.98 3632475.90 19.38960 (20121603) 503121.98
3632475.90 24.38633 (20102407)
503221.98 3632475.90 27.38753 (20102407) 503321.98
3632475.90 29.83113 (19110606)
503421.98 3632475.90 46.47509 (19110606) 503721.98
3632475.90 33.77253 (20022622)
503821.98 3632475.90 36.87413 (20032321) 503921.98
3632475.90 23.10963 (20072721)
504021.98 3632475.90 16.46957 (20072922) 504121.98
3632475.90 13.22359 (20082722)
504221.98 3632475.90 10.97617 (20082105) 504321.98
3632475.90 10.06965 (20082105)

```
        504421.98   3632475.90       10.90120  (20082105)                504521.98
3632475.90       11.24665  (20082105)
        504621.98   3632475.90        8.27060  (20082105)                504721.98
3632475.90        7.16673  (21011418)
        504821.98   3632475.90        6.78390  (21011418)                504921.98
3632475.90        6.10857  (21011418)
        505021.98   3632475.90        5.44457  (20110517)                505121.98
3632475.90        5.25027  (20110517)
        505221.98   3632475.90        5.07912  (20110517)                505321.98
3632475.90        4.87785  (20110517)
        505421.98   3632475.90        4.68141  (20110517)                505521.98
3632475.90        4.47846  (20110517)
        505621.98   3632475.90        4.33197  (20081804)                505721.98
3632475.90        4.71974  (20081804)
        501721.98   3632575.90        5.20924  (21111004)                501821.98
3632575.90        5.55171  (21111004)
        501921.98   3632575.90        5.81281  (21111004)                502021.98
3632575.90        5.99840  (21111004)
        502121.98   3632575.90        6.11292  (21111004)                502221.98
3632575.90        6.15236  (21111004)
        502321.98   3632575.90        6.19455  (21111004)                502421.98
3632575.90        6.24593  (21111004)
        502521.98   3632575.90        7.28927  (21030103)                502621.98
3632575.90       10.15562  (21030103)
        502721.98   3632575.90       12.69273  (21030103)                502821.98
3632575.90       16.58826  (20121603)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1006
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                    INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502921.98	3632575.90	20.73584	(20121603)	503021.98	3632575.90	21.62838	(20121603)
503121.98	3632575.90	22.69477	(21063005)	503221.98	3632575.90	29.77972	(20102407)
503321.98	3632575.90	34.68757	(20111701)	503421.98	3632575.90	54.00286	(19110606)
503721.98	3632575.90	41.36344	(21013120)	503821.98	3632575.90	31.10870	(21013021)
503921.98	3632575.90	15.82701	(20073020)	504021.98	3632575.90	12.99582	(20080120)
504121.98	3632575.90	10.88872	(20082105)	504221.98	3632575.90	9.96392	(20082105)
504321.98	3632575.90	8.97948	(20082105)	504421.98	3632575.90	8.32265	(20082105)
504521.98	3632575.90	9.14886	(21011418)	504621.98	3632575.90	8.10680	(21011418)
504721.98	3632575.90	6.58350	(21011418)	504821.98	3632575.90	6.18456	(21011418)
504921.98	3632575.90	5.78749	(20110517)	505021.98	3632575.90	5.55084	(20110517)
505121.98	3632575.90	5.28801	(20110517)	505221.98	3632575.90	5.05061	(20110517)
505321.98	3632575.90	4.82209	(20110517)	505421.98	3632575.90	4.59530	(20110517)
505521.98	3632575.90	4.41796	(20082223)	505621.98	3632575.90	4.50745	(20081804)
505721.98	3632575.90	4.58966	(20081804)	501721.98	3632675.90	5.35120	(21012320)
501821.98	3632675.90	5.43515	(21012320)	501921.98	3632675.90	5.81582	(21111004)
502021.98	3632675.90	6.16884	(21111004)	502121.98	3632675.90	6.40638	(21111004)
502221.98	3632675.90	6.53855	(21111004)	502321.98	3632675.90	6.63507	(21111004)
502421.98	3632675.90	6.68852	(21111004)	502521.98	3632675.90	6.76120	(21111004)
502621.98	3632675.90	8.45833	(21030103)	502721.98	3632675.90	11.74737	(21030103)
502821.98	3632675.90	14.51436	(21030103)	502921.98	3632675.90	20.96071	(20121603)
503021.98	3632675.90	25.28245	(20121603)	503721.98	3632675.90	47.47064	(20032321)
503821.98	3632675.90	30.53202	(20073022)	503921.98	3632675.90	19.25474	(20072922)
504021.98	3632675.90	13.19300	(20082105)	504121.98			

```
3632675.90       11.18352  (20082105)
        504221.98   3632675.90        9.91012  (20082105)                504321.98
3632675.90        8.95577  (20111118)
        504421.98   3632675.90        8.15129  (21011418)                504521.98
3632675.90        7.61040  (21011418)
        504621.98   3632675.90        6.93534  (21011418)                504721.98
3632675.90        6.44245  (20110517)
        504821.98   3632675.90        6.09730  (20110517)                504921.98
3632675.90        5.79423  (20110517)
        505021.98   3632675.90        5.50083  (20110517)                505121.98
3632675.90        5.21895  (20110517)
        505221.98   3632675.90        4.96413  (20110517)                505321.98
3632675.90        4.74546  (20082223)
        505421.98   3632675.90        4.55403  (20082223)                505521.98
3632675.90        4.52306  (20081804)
        505621.98   3632675.90        4.53116  (20081804)                505721.98
3632675.90        4.17582  (20081804)
        502421.98   3632775.90        7.34372  (21111004)                502521.98
3632775.90        7.51040  (21111004)
        502621.98   3632775.90        7.61135  (21012320)                502721.98
3632775.90        9.92075  (21030103)
        502821.98   3632775.90       13.82445  (21030103)                502921.98
3632775.90       24.93829  (20121603)
        503021.98   3632775.90       36.75400  (20121603)                503121.98
3632775.90       37.78624  (20092124)
        503221.98   3632775.90       37.33128  (20102407)                503621.98
3632775.90       66.84175  (21022105)
        503721.98   3632775.90       48.85119  (20032321)                503821.98
3632775.90       27.06496  (20072721)
        503921.98   3632775.90       20.94082  (20081805)                504021.98
3632775.90       16.82738  (20081805)
        504121.98   3632775.90       12.22860  (20082105)                504221.98
3632775.90        9.88763  (20111118)
        504321.98   3632775.90        8.84828  (21011418)                504421.98
3632775.90        7.96014  (21011418)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1007
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                L0000608    , L0000609    , L0000610    , L0000611    , L0000612
```

, L0000613   , L0000614   , L0000615   ,
                L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504521.98   3632775.90   7.31886 (20110517)   504621.98
3632775.90   6.85718 (20110517)
        504721.98   3632775.90   6.43405 (20110517)   504821.98
3632775.90   6.05620 (20110517)
        504921.98   3632775.90   5.71262 (20110517)   505021.98
3632775.90   5.39341 (20110517)
        505121.98   3632775.90   5.12835 (20082223)   505221.98
3632775.90   4.89290 (20082223)
        505321.98   3632775.90   4.67989 (20082223)   505421.98
3632775.90   4.48078 (20082223)
        505521.98   3632775.90   4.54118 (20081804)   505621.98
3632775.90   4.60939 (20081804)
        505721.98   3632775.90   4.36107 (20081804)   501721.98
3632875.90   6.00311 (21012320)
        501821.98   3632875.90   6.09464 (21012320)   501921.98
3632875.90   6.19124 (21012320)
        502021.98   3632875.90   6.28447 (21012320)   502121.98
3632875.90   6.41729 (21012320)
        502221.98   3632875.90   6.88917 (21111004)   502321.98
3632875.90   7.32086 (21111004)
        502421.98   3632875.90   7.65052 (21111004)   502521.98
3632875.90   7.85036 (21111004)
        502621.98   3632875.90   7.96446 (21111004)   502721.98
3632875.90   8.19135 (21012320)
        502821.98   3632875.90   11.87508 (21030103)   502921.98
3632875.90   31.95444 (21030103)
        503021.98   3632875.90   25.29824 (20092222)   503121.98
3632875.90   38.80689 (20092123)
        503221.98   3632875.90   36.58217 (21063005)   503321.98
3632875.90   45.43531 (20102407)
        503421.98   3632875.90   55.56835 (20111701)   503621.98
3632875.90   70.57975 (21022105)
        503721.98   3632875.90   52.40653 (20032321)   503821.98
3632875.90   25.38839 (20081805)
        503921.98   3632875.90   15.92012 (20082105)   504021.98
3632875.90   13.33339 (20082105)

```
        504121.98   3632875.90       11.14338  (20082105)               504221.98
3632875.90        9.72035  (21011418)
        504321.98   3632875.90        8.56879  (21011418)               504421.98
3632875.90        7.88332  (20110517)
        504521.98   3632875.90        7.30801  (20110517)               504621.98
3632875.90        6.78783  (20110517)
        504721.98   3632875.90        6.33033  (20110517)               504821.98
3632875.90        5.93882  (20110517)
        504921.98   3632875.90        5.59772  (20110517)               505021.98
3632875.90        5.30917  (20110517)
        505121.98   3632875.90        5.06045  (20110517)               505221.98
3632875.90        4.84904  (20110517)
        505321.98   3632875.90        4.64684  (20110517)               505421.98
3632875.90        4.56322  (20081804)
        505521.98   3632875.90        4.52511  (20081804)               505621.98
3632875.90        4.67589  (20081804)
        505721.98   3632875.90        4.39041  (20081804)               501721.98
3632975.90        6.30236  (21012320)
        501821.98   3632975.90        6.43395  (21012320)               501921.98
3632975.90        6.55753  (21012320)
        502021.98   3632975.90        6.68936  (21012320)               502121.98
3632975.90        6.80763  (21012320)
        505321.98   3632975.90        4.69772  (21011317)               505421.98
3632975.90        4.67145  (20081804)
        505521.98   3632975.90        4.83466  (20081804)               505621.98
3632975.90        4.77068  (20081804)
        505721.98   3632975.90        4.46120  (20081804)               501721.98
3633075.90        6.50729  (21012320)
        501821.98   3633075.90        6.69417  (21012320)               501921.98
3633075.90        6.89105  (21012320)
        502021.98   3633075.90        7.05839  (21012320)               502121.98
3633075.90        7.24411  (21012320)
        505321.98   3633075.90        4.74588  (20082306)               505421.98
3633075.90        5.09870  (20082306)
        505521.98   3633075.90        5.20847  (20082306)               505621.98
3633075.90        5.01340  (20082306)
        505721.98   3633075.90        4.50025  (20081804)               501721.98
3633175.90        6.50617  (21012320)
        501821.98   3633175.90        6.82256  (21012320)               501921.98
3633175.90        7.10449  (21012320)
        502021.98   3633175.90        7.37916  (21012320)               502121.98
3633175.90        7.55970  (21012320)
        505321.98   3633175.90        5.14170  (20082306)               505421.98
3633175.90        5.26604  (20082306)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44

                                PAGE  1008
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS ***
INCLUDING SOURCE(S): L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633175.90	5.49109	(20082306)	505621.98	3633175.90	5.53824	(20082306)
505721.98	3633175.90	5.00560	(20082306)	501721.98	3633275.90	6.13154	(21012320)
501821.98	3633275.90	6.63166	(21012320)	501921.98	3633275.90	7.08211	(21012320)
502021.98	3633275.90	7.50875	(21012320)	502121.98	3633275.90	7.83848	(21012320)
505321.98	3633275.90	5.42615	(20082306)	505421.98	3633275.90	5.14732	(20082306)
505521.98	3633275.90	5.53130	(20082306)	505621.98	3633275.90	5.77719	(20082306)
505721.98	3633275.90	5.39142	(20082306)	501721.98	3633375.90	5.28168	(21012320)
501821.98	3633375.90	5.90803	(21012320)	501921.98	3633375.90	6.53293	(21012320)
502021.98	3633375.90	7.15101	(21012320)	502121.98	3633375.90	7.74331	(21012320)
505321.98	3633375.90	5.89392	(20041201)	505421.98	3633375.90	5.23757	(20041201)
505521.98	3633375.90	5.43247	(20041201)	505621.98	3633375.90	6.16827	(20041201)
505721.98	3633375.90	6.08756	(20041201)	501721.98	3633475.90	5.34293	(19083104)
501821.98	3633475.90	5.57426	(19083104)	501921.98	3633475.90	5.82555	(19083104)
502021.98	3633475.90	6.20640	(21012320)	502121.98			

3633475.90 6.96955 (21012320)
505321.98 3633475.90 6.40380 (20081806) 505421.98
3633475.90 5.60729 (20081806)
505521.98 3633475.90 5.82105 (20081806) 505621.98
3633475.90 6.08843 (20041201)
505721.98 3633475.90 6.34982 (20041201) 501721.98
3633575.90 5.29753 (21021102)
501821.98 3633575.90 5.57708 (19083104) 501921.98
3633575.90 5.86672 (19083104)
502021.98 3633575.90 6.16435 (19083104) 502121.98
3633575.90 6.59067 (19083104)
505321.98 3633575.90 6.52722 (20081806) 505421.98
3633575.90 5.69889 (20081806)
505521.98 3633575.90 6.06496 (20081806) 505621.98
3633575.90 6.47956 (20081806)
505721.98 3633575.90 6.52721 (20081806) 501721.98
3633675.90 5.39216 (21021102)
501821.98 3633675.90 5.60724 (21021102) 501921.98
3633675.90 5.86743 (21021102)
502021.98 3633675.90 6.15641 (21021102) 502121.98
3633675.90 6.60054 (21021102)
505321.98 3633675.90 6.28620 (20081806) 505421.98
3633675.90 5.38107 (20081806)
505521.98 3633675.90 5.81613 (20081806) 505621.98
3633675.90 6.32527 (20081806)
505721.98 3633675.90 6.69212 (20081806) 501721.98
3633775.90 5.48730 (21021102)
501821.98 3633775.90 5.70881 (21021102) 501921.98
3633775.90 5.95858 (21021102)
502021.98 3633775.90 6.23635 (21021102) 502121.98
3633775.90 6.53418 (21021102)
505321.98 3633775.90 6.57379 (20082024) 505421.98
3633775.90 5.92551 (20081806)
505521.98 3633775.90 5.79520 (20081806) 505621.98
3633775.90 6.32108 (20081806)
505721.98 3633775.90 6.79764 (20081806) 501721.98
3633875.90 5.56270 (21021102)
501821.98 3633875.90 5.81233 (21021102) 501921.98
3633875.90 6.01510 (21021102)
502021.98 3633875.90 6.33275 (21021102) 502121.98
3633875.90 6.62842 (21021102)
505321.98 3633875.90 7.11229 (20082024) 505421.98
3633875.90 6.91790 (20082024)
505521.98 3633875.90 6.53530 (20082024) 505621.98
3633875.90 6.47246 (20081806)
505721.98 3633875.90 6.98730 (20081806) 501721.98
3633975.90 5.59245 (21021102)
501821.98 3633975.90 5.83326 (21021102) 501921.98
3633975.90 6.09545 (21021102)
502021.98 3633975.90 6.37374 (21021102) 502121.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):   L0000595   , L0000596
, L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604
, L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612
, L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620
, L0000621   , L0000622   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        505521.98   3633975.90   7.35947 (20082024)   505621.98
3633975.90   7.08856 (20082024)
        505721.98   3633975.90   7.23777 (20081806)   501721.98
3634075.90   5.44326 (21021102)
        501821.98   3634075.90   5.68492 (21021102)   501921.98
3634075.90   5.94591 (21021102)
        502021.98   3634075.90   6.22929 (21011719)   502121.98
3634075.90   6.55106 (21011719)
        505321.98   3634075.90   7.97906 (20082024)   505421.98
3634075.90   8.00608 (20082024)
        505521.98   3634075.90   7.94133 (20082024)   505621.98
3634075.90   7.91691 (20041201)
        505721.98   3634075.90   7.47948 (20041201)   501721.98
3634175.90   5.29416 (21011719)
        501821.98   3634175.90   5.61310 (21011719)   501921.98
3634175.90   5.89334 (21011719)
        502021.98   3634175.90   6.10402 (21011719)   502121.98
3634175.90   6.39678 (21011719)

```
        505321.98   3634175.90        9.12029  (20082024)               505421.98
3634175.90        9.20744  (20041201)
        505521.98   3634175.90        9.16836  (20041201)               505621.98
3634175.90        8.26857  (20041201)
        505721.98   3634175.90        7.45962  (20041201)               501721.98
3634275.90        5.30699  (21011719)
        501821.98   3634275.90        5.52299  (21011719)               501921.98
3634275.90        5.73570  (21011719)
        502021.98   3634275.90        6.00972  (20022207)               502121.98
3634275.90        6.46279  (20022207)
        505321.98   3634275.90       10.64439  (20081806)               505421.98
3634275.90       10.24990  (20041201)
        505521.98   3634275.90        8.84254  (20081806)               505621.98
3634275.90        8.17718  (20081806)
        505721.98   3634275.90        7.53116  (20082024)               501721.98
3634375.90        5.26365  (21011719)
        501821.98   3634375.90        5.46349  (21011719)               501921.98
3634375.90        5.87469  (20022207)
        502021.98   3634375.90        6.24473  (20022207)               502121.98
3634375.90        6.59644  (20022207)
        505321.98   3634375.90       11.48246  (20081806)               505421.98
3634375.90       10.90641  (20081806)
        505521.98   3634375.90        8.84888  (20081806)               505621.98
3634375.90        7.80079  (20082024)
        505721.98   3634375.90        7.34048  (20082024)               501721.98
3634475.90        5.31929  (20022207)
        501821.98   3634475.90        5.78848  (20022207)               501921.98
3634475.90        6.14336  (20022207)
        502021.98   3634475.90        6.46236  (20022207)               502121.98
3634475.90        6.64436  (20022207)
        505321.98   3634475.90       11.59059  (20082024)               505421.98
3634475.90       11.36057  (19022319)
        505521.98   3634475.90       10.09832  (20082024)               505621.98
3634475.90        8.96952  (20082024)
        505721.98   3634475.90        7.48176  (20082024)               501721.98
3634575.90        5.58092  (20022207)
        501821.98   3634575.90        5.87510  (20022207)               501921.98
3634575.90        6.11554  (20022207)
        502021.98   3634575.90        6.35198  (20022207)               502121.98
3634575.90        6.63506  (21012023)
        505321.98   3634575.90       11.89023  (20082024)               505421.98
3634575.90       11.07334  (19030607)
        505521.98   3634575.90       10.60963  (20082024)               505621.98
3634575.90        9.90385  (20082024)
        505721.98   3634575.90        8.14932  (20082024)               501721.98
3634675.90        5.69708  (20022207)
        501821.98   3634675.90        5.93781  (20022207)               501921.98
3634675.90        6.11519  (20022207)
        502021.98   3634675.90        6.33958  (21012023)               502121.98
3634675.90        6.44720  (21012023)
```

```
        505321.98   3634675.90       11.47962  (20082106)                505421.98
3634675.90       11.36714  (20121617)
        505521.98   3634675.90        9.48070  (20102019)                505621.98
3634675.90       10.53161  (20082024)
        505721.98   3634675.90        9.89285  (20082024)                501721.98
3634775.90        5.68335  (20022207)
        501821.98   3634775.90        5.89303  (20022207)                501921.98
3634775.90        6.01798  (21012023)
        502021.98   3634775.90        6.24044  (20022207)                502121.98
3634775.90        6.41428  (20022207)
        505321.98   3634775.90       12.53260  (20082106)                505421.98
3634775.90       10.45957  (20010802)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1010
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        505521.98   3634775.90        9.72198  (20010802)                505621.98
3634775.90        9.50619  (20072505)
        505721.98   3634775.90        9.91513  (20121617)                501721.98
3634875.90        5.61466  (20022207)
        501821.98   3634875.90        5.81036  (20022207)                501921.98
3634875.90        5.98030  (20022207)
        502021.98   3634875.90        6.17308  (20022207)                502121.98
3634875.90        6.38016  (20040823)
        505321.98   3634875.90       14.37758  (20082302)                505421.98
```

```
3634875.90       10.22210  (21122806)
        505521.98   3634875.90       10.05109  (20010802)                505621.98
3634875.90        9.65990  (20010802)
        505721.98   3634875.90        8.66434  (20010802)                501721.98
3634975.90        5.57737  (20022207)
        501821.98   3634975.90        5.73473  (20022207)                501921.98
3634975.90        5.91836  (20022207)
        502021.98   3634975.90        6.12929  (20040823)                502121.98
3634975.90        6.37662  (20040823)
        505321.98   3634975.90       12.45453  (20092620)                505421.98
3634975.90        8.70491  (20092620)
        505521.98   3634975.90        7.59861  (20092620)                505621.98
3634975.90        7.86424  (20010802)
        505721.98   3634975.90        8.12229  (20010802)                501721.98
3635075.90        5.55212  (20022207)
        501821.98   3635075.90        5.66201  (20022207)                501921.98
3635075.90        5.90330  (20040823)
        502021.98   3635075.90        6.16326  (20040823)                502121.98
3635075.90        6.27127  (20040823)
        505321.98   3635075.90       11.65492  (19102623)                505421.98
3635075.90        8.10132  (19030707)
        505521.98   3635075.90        6.32817  (21071520)                505621.98
3635075.90        7.78156  (20092620)
        505721.98   3635075.90        5.50020  (20092620)                501721.98
3635175.90        5.43335  (20022207)
        501821.98   3635175.90        5.59842  (20040823)                501921.98
3635175.90        5.90361  (20040823)
        502021.98   3635175.90        6.06008  (20040823)                502121.98
3635175.90        6.25283  (21121424)
        505321.98   3635175.90        8.98614  (21012617)                505421.98
3635175.90        7.88229  (21012617)
        505521.98   3635175.90        6.86872  (21012617)                505621.98
3635175.90        5.93384  (21012617)
        505721.98   3635175.90        5.35657  (21071520)                501721.98
3635275.90        6.36849  (19111006)
        501821.98   3635275.90        5.67141  (20022207)                501921.98
3635275.90        5.96802  (20022207)
        502021.98   3635275.90        5.98203  (20022207)                502121.98
3635275.90        6.12650  (21121424)
        505621.98   3635275.90        6.70506  (21012617)                505721.98
3635275.90        5.84514  (21012617)
        501721.98   3635375.90        6.74699  (21052423)                501821.98
3635375.90        6.37366  (21052423)
        501921.98   3635375.90        6.23639  (20122320)                502021.98
3635375.90        6.35747  (20122320)
        502121.98   3635375.90        5.94022  (21121424)                505621.98
3635375.90        7.33702  (21012617)
        501721.98   3635475.90        6.87274  (20122320)                501821.98
3635475.90        6.86423  (21012023)
        501921.98   3635475.90        6.42383  (21012023)                502021.98
```

3635475.90   5.64014 (21121424)
        502121.98   3635475.90   5.82610 (19121706)   505621.98
3635475.90   7.69615 (21012617)
        505721.98   3635475.90   6.98580 (21012617)   501721.98
3635575.90   6.84841 (21012023)
        501821.98   3635575.90   6.80072 (21012023)   501921.98
3635575.90   6.42346 (21012023)
        502021.98   3635575.90   6.04493 (21012023)   502121.98
3635575.90   6.34771 (20122721)
        505321.98   3635575.90   8.04546 (20011620)   505421.98
3635575.90   7.06290 (21012617)
        505521.98   3635575.90   7.56586 (21012617)   505621.98
3635575.90   7.58501 (21012617)
        505721.98   3635575.90   7.26681 (21012617)   501721.98
3635675.90   6.98394 (20122721)
        501821.98   3635675.90   6.79404 (20122721)   501921.98
3635675.90   6.58211 (20122721)
        502021.98   3635675.90   6.55326 (20122721)   502121.98
3635675.90   6.99815 (21121424)
        505321.98   3635675.90   8.36564 (20011620)   505421.98
3635675.90   7.46308 (20011620)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):   L0000595   , L0000596 , L0000597   , L0000598   , L0000599   ,
                  L0000600   , L0000601   , L0000602   , L0000603   , L0000604 , L0000605   , L0000606   , L0000607   ,
                  L0000608   , L0000609   , L0000610   , L0000611   , L0000612 , L0000613   , L0000614   , L0000615   ,
                  L0000616   , L0000617   , L0000618   , L0000619   , L0000620 , L0000621   , L0000622   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        505521.98   3635675.90        6.52955  (21012617)               505621.98
3635675.90        7.05481  (21012617)
        505721.98   3635675.90        7.14397  (21012617)               501721.98
3635775.90        7.22178  (21121424)
        501821.98   3635775.90        6.81844  (20122721)               501921.98
3635775.90        6.58882  (20122721)
        502021.98   3635775.90        6.96360  (21121424)               502121.98
3635775.90        7.28246  (21121424)
        505321.98   3635775.90        8.18142  (20011620)               505421.98
3635775.90        7.94095  (20011620)
        505521.98   3635775.90        6.97734  (20011620)               505621.98
3635775.90        6.10572  (21012617)
        505721.98   3635775.90        6.63288  (21012617)               501721.98
3635875.90        7.99673  (20042421)
        501821.98   3635875.90        7.45689  (21121424)               501921.98
3635875.90        7.26448  (21121424)
        502021.98   3635875.90        7.39441  (21121424)               502121.98
3635875.90        7.34575  (21121424)
        505321.98   3635875.90        9.20756  (20011620)               505421.98
3635875.90        7.68467  (20011620)
        505521.98   3635875.90        7.38606  (20011620)               505621.98
3635875.90        6.52338  (20011620)
        505721.98   3635875.90        5.72369  (21012617)               501721.98
3635975.90        7.62720  (20042421)
        501821.98   3635975.90        7.20049  (21121424)               501921.98
3635975.90        7.20698  (21121424)
        502021.98   3635975.90        7.47108  (19121706)               502121.98
3635975.90        7.83766  (19121706)
        505321.98   3635975.90        6.59338  (20011620)               505421.98
3635975.90        7.12989  (20011620)
        505521.98   3635975.90        7.23424  (20011620)               505621.98
3635975.90        7.11322  (20011620)
        505721.98   3635975.90        6.11226  (20011620)               501721.98
3636075.90        7.70574  (19121706)
        501821.98   3636075.90        7.81979  (19121706)               501921.98
3636075.90        7.68648  (19121706)
        502021.98   3636075.90        7.95134  (19121706)               502121.98
3636075.90        7.89815  (19121706)
        502221.98   3636075.90        7.76398  (19121706)               502321.98
3636075.90        7.47615  (19121706)
        502421.98   3636075.90        6.99616  (19121706)               502521.98
3636075.90        7.36661  (20110924)
        502621.98   3636075.90        7.38560  (19073101)               502721.98
3636075.90        7.63593  (20091222)
        502821.98   3636075.90        7.81010  (20033120)               502921.98
3636075.90        9.60246  (20120224)
        503021.98   3636075.90       11.80118  (20120224)               503121.98
3636075.90       12.03689  (19072124)
        503221.98   3636075.90       12.84170  (21021806)               503321.98
3636075.90       12.48423  (21021806)
```

```
        503421.98   3636075.90       10.81884  (21021806)               503521.98
3636075.90       13.69079  (21012024)
        503621.98   3636075.90       15.20718  (21012024)               503721.98
3636075.90       13.67067  (21012024)
        503821.98   3636075.90       10.18289  (19072223)               503921.98
3636075.90       12.95778  (19122420)
        504021.98   3636075.90       16.11120  (19122420)               504121.98
3636075.90       13.50928  (19122420)
        504221.98   3636075.90       14.58792  (20092001)               504321.98
3636075.90       14.44304  (21060422)
        504421.98   3636075.90       18.82690  (21013118)               504521.98
3636075.90       20.03682  (21013118)
        504621.98   3636075.90       16.05358  (20121721)               504721.98
3636075.90       13.44266  (20092821)
        504821.98   3636075.90        7.65703  (20092821)               504921.98
3636075.90        3.32745  (19031219)
        505021.98   3636075.90        3.06616  (21032918)               505121.98
3636075.90        3.57214  (20040223)
        505221.98   3636075.90        4.44567  (20040223)               505321.98
3636075.90        5.19832  (20011620)
        505421.98   3636075.90        6.23142  (20011620)               505521.98
3636075.90        6.89740  (20011620)
        505621.98   3636075.90        7.19638  (20011620)               505721.98
3636075.90        6.61115  (20011620)
        501721.98   3636175.90        7.84252  (19121706)               501821.98
3636175.90        7.80379  (19121706)
        501921.98   3636175.90        7.75488  (19121706)               502021.98
3636175.90        7.59234  (19121706)
        502121.98   3636175.90        7.44232  (19121706)               502221.98
3636175.90        7.34226  (19121706)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1012
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKS   ***
                                   INCLUDING SOURCE(S):     L0000595    , L0000596
, L0000597    , L0000598    , L0000599    ,
                  L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                  L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                  L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502321.98	3636175.90	7.10087	(19121706)	502421.98	3636175.90	6.94121	(20110924)
502521.98	3636175.90	7.03020	(19073101)	502621.98	3636175.90	7.23934	(20091222)
502721.98	3636175.90	7.17336	(21012818)	502821.98	3636175.90	7.84667	(20101023)
502921.98	3636175.90	10.19892	(20120224)	503021.98	3636175.90	11.81664	(20120224)
503121.98	3636175.90	13.02219	(21021806)	503221.98	3636175.90	12.62603	(21021806)
503321.98	3636175.90	11.84130	(21021806)	503421.98	3636175.90	10.94669	(21041324)
503521.98	3636175.90	13.85048	(21012024)	503621.98	3636175.90	14.95658	(21012024)
503721.98	3636175.90	13.04751	(21012024)	503821.98	3636175.90	10.42375	(19072223)
503921.98	3636175.90	13.31191	(19122420)	504021.98	3636175.90	16.50515	(19122420)
504121.98	3636175.90	13.53663	(19122420)	504221.98	3636175.90	14.93894	(20092001)
504321.98	3636175.90	17.56106	(21060422)	504421.98	3636175.90	19.31523	(19073022)
504521.98	3636175.90	21.79907	(21013118)	504621.98	3636175.90	18.21794	(19100119)
504721.98	3636175.90	14.73967	(20121721)	504821.98	3636175.90	12.99048	(20092821)
504921.98	3636175.90	12.27122	(19022602)	505021.98	3636175.90	8.14647	(19022602)
505121.98	3636175.90	2.85718	(21032918)	505221.98	3636175.90	3.63831	(20040223)
505321.98	3636175.90	4.47597	(20040223)	505421.98	3636175.90	5.56603	(20011620)
505521.98	3636175.90	6.03380	(20011620)	505621.98	3636175.90	6.96748	(20011620)
505721.98	3636175.90	6.84240	(20011620)	501721.98	3636275.90	7.49793	(19121706)
501821.98	3636275.90	7.32549	(19121706)	501921.98	3636275.90	7.30664	(19073101)
502021.98	3636275.90	7.39239	(19073101)	502121.98	3636275.90	7.15434	(19121706)
502221.98	3636275.90	6.99853	(19121706)	502321.98			

3636275.90   6.53360 (20110924)
        502421.98   3636275.90   6.55196 (19073101)   502521.98
3636275.90   6.83290 (20091222)
        502621.98   3636275.90   7.00834 (21012818)   502721.98
3636275.90   7.32916 (20101905)
        502821.98   3636275.90   8.64822 (20120224)   502921.98
3636275.90   10.95359 (20120224)
        503021.98   3636275.90   11.40191 (20120224)   503121.98
3636275.90   12.41538 (21021806)
        503221.98   3636275.90   12.15281 (19051001)   503321.98
3636275.90   13.12072 (19101219)
        503421.98   3636275.90   12.22208 (21041324)   503521.98
3636275.90   14.26745 (21041324)
        503621.98   3636275.90   14.62977 (21012024)   503721.98
3636275.90   13.09481 (19072223)
        503821.98   3636275.90   11.23949 (19071923)   503921.98
3636275.90   14.11869 (19072224)
        504021.98   3636275.90   17.77969 (19122420)   504121.98
3636275.90   16.20657 (19122420)
        504221.98   3636275.90   18.47656 (19050321)   504321.98
3636275.90   16.21053 (20050822)
        504421.98   3636275.90   15.04896 (20031720)   504521.98
3636275.90   16.16215 (21013118)
        504621.98   3636275.90   16.32270 (21013118)   504721.98
3636275.90   17.39054 (19111019)
        504821.98   3636275.90   16.12979 (21080821)   504921.98
3636275.90   12.20480 (20092821)
        505021.98   3636275.90   9.04431 (19022602)   505121.98
3636275.90   3.59389 (19022602)
        505221.98   3636275.90   3.02781 (21121422)   505321.98
3636275.90   3.81608 (20040223)
        505421.98   3636275.90   4.60097 (20040223)   505521.98
3636275.90   5.49408 (20011620)
        505621.98   3636275.90   6.35395 (20011620)   505721.98
3636275.90   7.19353 (20011620)
        501721.98   3636375.90   7.19579 (20031007)   501821.98
3636375.90   7.11297 (20031007)
        501921.98   3636375.90   7.30213 (19073101)   502021.98
3636375.90   7.26629 (19073101)

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKS   ***
                                   INCLUDING SOURCE(S):   L0000595   , L0000596

```
, L0000597    , L0000598    , L0000599    ,
                L0000600    , L0000601    , L0000602    , L0000603    , L0000604
, L0000605    , L0000606    , L0000607    ,
                L0000608    , L0000609    , L0000610    , L0000611    , L0000612
, L0000613    , L0000614    , L0000615    ,
                L0000616    , L0000617    , L0000618    , L0000619    , L0000620
, L0000621    , L0000622    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
        502121.98   3636375.90        6.72198  (19121706)                502221.98
3636375.90        6.41924  (19121706)
        502321.98   3636375.90        6.52634  (19020322)                502421.98
3636375.90        6.74832  (19020322)
        502521.98   3636375.90        6.88166  (19020322)                502621.98
3636375.90        6.88375  (21012818)
        502721.98   3636375.90        7.74294  (20101023)                502821.98
3636375.90        9.87158  (20120224)
        502921.98   3636375.90       11.66941  (20120224)                503021.98
3636375.90       11.74690  (19072124)
        503121.98   3636375.90       12.28726  (21021806)                503221.98
3636375.90       12.80116  (19051001)
        503321.98   3636375.90       12.85924  (19080922)                503421.98
3636375.90       14.04615  (21041324)
        503521.98   3636375.90       15.24808  (21041324)                503621.98
3636375.90       15.36115  (19072223)
        503721.98   3636375.90       13.40496  (19072223)                503821.98
3636375.90       12.08279  (19071923)
        503921.98   3636375.90       18.13204  (19072224)                504021.98
3636375.90       18.50798  (19122420)
        504121.98   3636375.90       16.87936  (19082323)                504221.98
3636375.90       16.58799  (19050321)
        504321.98   3636375.90       14.43024  (19082724)                504421.98
3636375.90       12.80843  (20031720)
        504521.98   3636375.90       13.72176  (21013118)                504621.98
3636375.90       15.74998  (21013118)
        504721.98   3636375.90       15.50347  (19100119)                504821.98
3636375.90       13.60288  (21071123)
        504921.98   3636375.90       13.88682  (19092222)                505021.98
3636375.90       11.66000  (19060920)
        505121.98   3636375.90        7.58130  (19022602)                505221.98
3636375.90        6.51962  (21121422)
```

```
        505321.98   3636375.90        5.71319  (21121422)               505421.98
3636375.90        3.89828  (20040223)
        505521.98   3636375.90        4.53854  (20011620)               505621.98
3636375.90        5.73023  (20011620)
        505721.98   3636375.90        6.99188  (20011620)               501721.98
3636475.90        6.95308  (21100523)
        501821.98   3636475.90        7.26306  (21100523)               501921.98
3636475.90        6.89393  (19073101)
        502021.98   3636475.90        7.52591  (20091222)               502121.98
3636475.90        7.26497  (20091222)
        502221.98   3636475.90        6.68948  (21041406)               502321.98
3636475.90        6.69783  (19020322)
        502421.98   3636475.90        6.77043  (19020322)               502521.98
3636475.90        6.83377  (21012818)
        502621.98   3636475.90        7.00720  (20101905)               502721.98
3636475.90        7.84265  (20101023)
        502821.98   3636475.90       11.38935  (20120224)               502921.98
3636475.90       11.30664  (19072124)
        503021.98   3636475.90       11.40564  (21021806)               503121.98
3636475.90       12.42231  (19051001)
        503221.98   3636475.90       12.46295  (19080922)               503321.98
3636475.90       12.94513  (19051020)
        503421.98   3636475.90       14.66985  (21041324)               503521.98
3636475.90       14.95388  (21041324)
        503621.98   3636475.90       15.89012  (19072223)               503721.98
3636475.90       13.73556  (19072223)
        503821.98   3636475.90       14.91317  (21050323)               503921.98
3636475.90       19.15919  (19072224)
        504021.98   3636475.90       16.50881  (19072224)               504121.98
3636475.90       15.45328  (19081023)
        504221.98   3636475.90       15.85102  (19070422)               504321.98
3636475.90       13.61300  (19082724)
        504421.98   3636475.90       12.51681  (21071621)               504521.98
3636475.90       12.26923  (21052004)
        504621.98   3636475.90       15.17148  (21013118)               504721.98
3636475.90       11.77282  (19100119)
        504821.98   3636475.90       11.99092  (19111019)               504921.98
3636475.90       13.23975  (21080821)
        505021.98   3636475.90       13.68335  (20102221)               505121.98
3636475.90        8.46930  (19022602)
        505221.98   3636475.90        6.74766  (19022602)               505321.98
3636475.90        6.83620  (21121422)
        505421.98   3636475.90        4.59970  (21121422)               505521.98
3636475.90        3.94337  (20040223)
        505621.98   3636475.90        4.79124  (20011620)               505721.98
3636475.90        5.92745  (20011620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633475.90	9.07910	(21012617)	502771.98	3633475.90	9.22074	(21012617)
502821.98	3633475.90	9.30107	(21012617)	502871.98	3633475.90	9.36158	(21012617)
502921.98	3633475.90	9.41841	(21012617)	502971.98	3633475.90	9.41400	(21012617)
503021.98	3633475.90	9.38700	(21012617)	503071.98	3633475.90	9.37061	(21012617)
503121.98	3633475.90	9.30312	(21012617)	503171.98	3633475.90	9.19310	(21012617)
503221.98	3633475.90	9.20992	(21012617)	503271.98	3633475.90	9.13665	(21012617)
503321.98	3633475.90	9.26845	(21012617)	503371.98	3633475.90	14.85965	(20082302)
503421.98	3633475.90	14.78524	(20082302)	503471.98	3633475.90	14.72941	(20082302)
503521.98	3633475.90	14.73081	(20082302)	503621.98	3633475.90	15.41595	(21060422)
503671.98	3633475.90	13.61534	(21013118)	503721.98	3633475.90	12.51412	(20082106)
503771.98	3633475.90	12.42314	(20082106)	503821.98	3633475.90	11.85732	(20082106)
503871.98	3633475.90	11.73587	(19101324)	503921.98	3633475.90	13.62791	(20092424)
503971.98	3633475.90	14.89636	(20092424)	504021.98			

```
3633475.90       13.37064  (20092424)
        504071.98   3633475.90       13.06259  (19020919)                504121.98
3633475.90       14.28006  (19020919)
        504171.98   3633475.90       12.78276  (19020919)                504221.98
3633475.90       13.57096  (20020306)
        504271.98   3633475.90       13.90104  (19021605)                504321.98
3633475.90       13.89110  (20082301)
        504371.98   3633475.90       13.57821  (20082301)                504421.98
3633475.90       11.84046  (20082301)
        504471.98   3633475.90       11.06911  (20082302)                504521.98
3633475.90       10.98271  (20082302)
        504571.98   3633475.90       11.71911  (20082302)                504621.98
3633475.90       12.38614  (21011602)
        504671.98   3633475.90       12.88588  (20082106)                504721.98
3633475.90       13.43087  (20082106)
        502721.98   3633525.90        8.49777  (20011620)                502771.98
3633525.90        8.54474  (21012617)
        502821.98   3633525.90        8.69332  (21012617)                502871.98
3633525.90        8.81174  (21012617)
        502921.98   3633525.90        8.88564  (21012617)                502971.98
3633525.90        8.90777  (21012617)
        503021.98   3633525.90        8.91399  (21012617)                503071.98
3633525.90        8.89707  (21012617)
        503121.98   3633525.90        8.83595  (21012617)                503171.98
3633525.90        8.79573  (21012617)
        503221.98   3633525.90        8.76502  (21012617)                503271.98
3633525.90        8.78202  (21012617)
        503321.98   3633525.90        8.71205  (21012617)                503371.98
3633525.90       13.60673  (19030707)
        503421.98   3633525.90       13.90492  (19030707)                503471.98
3633525.90       13.57188  (19030707)
        503521.98   3633525.90       13.91565  (20092620)                503621.98
3633525.90       13.73138  (20092620)
        503671.98   3633525.90       13.69641  (20082302)                503721.98
3633525.90       14.24745  (20121721)
        503771.98   3633525.90       14.17695  (20092821)                503821.98
3633525.90       12.03527  (20082106)
        503871.98   3633525.90       12.59689  (21121422)                503921.98
3633525.90       13.11715  (21090701)
        503971.98   3633525.90       13.27881  (20092424)                504021.98
3633525.90       14.14125  (20092424)
        504071.98   3633525.90       12.97871  (21122618)                504121.98
3633525.90       13.89023  (21122618)
        504171.98   3633525.90       13.79399  (19020919)                504221.98
3633525.90       13.19236  (19102623)
        504271.98   3633525.90       13.16095  (19102623)                504321.98
3633525.90       12.11938  (20020306)
        504371.98   3633525.90       11.80796  (20082301)                504421.98
3633525.90       11.17791  (20082301)
        504471.98   3633525.90       10.26095  (20082301)                504521.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502721.98   3633575.90   8.05860 (20011620)   502771.98
3633575.90   8.06209 (20011620)
        502821.98   3633575.90   8.07819 (21012617)   502871.98
3633575.90   8.25416 (21012617)
        502921.98   3633575.90   8.35602 (21012617)   502971.98
3633575.90   8.42568 (21012617)
        503021.98   3633575.90   8.47877 (21012617)   503071.98
3633575.90   8.48454 (21012617)
        503121.98   3633575.90   8.44743 (21012617)   503171.98
3633575.90   8.42674 (21012617)
        503221.98   3633575.90   8.41532 (21012617)   503271.98
3633575.90   8.39389 (21012617)
        503321.98   3633575.90   8.38402 (21012617)   503371.98
3633575.90   8.49983 (21012617)
        503421.98   3633575.90   8.43098 (21012617)   503471.98
3633575.90   10.86564 (19030707)

503521.98 3633575.90 9.48501 (19030707) 503621.98
3633575.90 13.06345 (20092620)
503671.98 3633575.90 13.11394 (20092620) 503721.98
3633575.90 13.02046 (20092620)
503771.98 3633575.90 13.42312 (20121721) 503821.98
3633575.90 13.92805 (20092821)
503871.98 3633575.90 14.48019 (19022602) 503921.98
3633575.90 14.79955 (21121422)
503971.98 3633575.90 12.82152 (21090701) 504021.98
3633575.90 13.80444 (21090701)
504071.98 3633575.90 13.77202 (21122618) 504121.98
3633575.90 15.03657 (21122618)
504171.98 3633575.90 14.92393 (21122618) 504221.98
3633575.90 13.33335 (21122618)
504271.98 3633575.90 12.36869 (19020919) 504321.98
3633575.90 11.32093 (20020306)
504371.98 3633575.90 10.39156 (20020306) 504421.98
3633575.90 9.95707 (20082301)
504471.98 3633575.90 10.27315 (20082301) 504521.98
3633575.90 11.30156 (20082301)
504571.98 3633575.90 11.84667 (20082302) 504621.98
3633575.90 12.31398 (20082302)
504671.98 3633575.90 12.63377 (20082302) 504721.98
3633575.90 12.73234 (20082302)
502721.98 3633625.90 7.66508 (20011620) 502771.98
3633625.90 7.68748 (20011620)
502821.98 3633625.90 7.69053 (20011620) 502871.98
3633625.90 7.68787 (20011620)
502921.98 3633625.90 7.81620 (21012617) 502971.98
3633625.90 7.94497 (21012617)
503021.98 3633625.90 8.03685 (21012617) 503071.98
3633625.90 8.06318 (21012617)
503121.98 3633625.90 8.06857 (21012617) 503171.98
3633625.90 8.07533 (21012617)
503221.98 3633625.90 8.06701 (21012617) 503271.98
3633625.90 8.07163 (21012617)
503321.98 3633625.90 8.06343 (21012617) 503371.98
3633625.90 8.02945 (21012617)
503421.98 3633625.90 8.12483 (21012617) 503471.98
3633625.90 8.07865 (21012617)
503521.98 3633625.90 7.93297 (21012617) 503621.98
3633625.90 12.10237 (19030707)
503671.98 3633625.90 12.39634 (20092620) 503721.98
3633625.90 12.24038 (20092620)
503771.98 3633625.90 12.49003 (20092620) 503821.98
3633625.90 12.43354 (20092821)
503871.98 3633625.90 12.30275 (20092620) 503921.98
3633625.90 12.78353 (19022602)
503971.98 3633625.90 13.45154 (21121422) 504021.98
3633625.90 11.76734 (21061321)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                 INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                 L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                 L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                 L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502721.98   3633675.90   7.27836 (20011620)   502771.98
3633675.90   7.32491 (20011620)
        502821.98   3633675.90   7.34345 (20011620)   502871.98
3633675.90   7.34906 (20011620)
        502921.98   3633675.90   7.35839 (20011620)   502971.98
3633675.90   7.45478 (21012617)
        503021.98   3633675.90   7.58213 (21012617)   503071.98

```
3633675.90        7.65107  (21012617)
        503121.98   3633675.90        7.69858  (21012617)                503171.98
3633675.90        7.72614  (21012617)
        503221.98   3633675.90        7.74023  (21012617)                503271.98
3633675.90        7.74819  (21012617)
        503321.98   3633675.90        7.74719  (21012617)                503371.98
3633675.90        7.71252  (21012617)
        503421.98   3633675.90        7.67424  (21012617)                503471.98
3633675.90        7.64010  (21012617)
        503521.98   3633675.90        7.57954  (21012617)                503571.98
3633675.90       11.39903  (19030707)
        503671.98   3633675.90       11.37679  (19030707)                503721.98
3633675.90       11.47693  (20092620)
        503771.98   3633675.90       11.81928  (20092620)                503821.98
3633675.90       12.02004  (20092620)
        503871.98   3633675.90       11.99978  (20092620)                503921.98
3633675.90       11.93146  (20092620)
        503971.98   3633675.90       11.74840  (20092620)                504021.98
3633675.90       11.84973  (21121422)
        504071.98   3633675.90       11.45903  (20092620)                504121.98
3633675.90       11.38183  (20092620)
        504171.98   3633675.90       11.18333  (20092620)                504221.98
3633675.90       11.00364  (20092620)
        504271.98   3633675.90       13.48009  (21122618)                504321.98
3633675.90       11.73351  (19020919)
        504371.98   3633675.90       10.55228  (19020919)                504421.98
3633675.90       10.07729  (20020306)
        504471.98   3633675.90       10.81612  (20020306)                504521.98
3633675.90       11.10470  (19021605)
        504571.98   3633675.90       11.01081  (20082301)                504621.98
3633675.90       11.19582  (20082301)
        504671.98   3633675.90       10.98349  (20082301)                504721.98
3633675.90       11.20350  (20082302)
        502721.98   3633725.90        6.88787  (20011620)                502771.98
3633725.90        6.97455  (20011620)
        502821.98   3633725.90        7.01529  (20011620)                502871.98
3633725.90        7.04362  (20011620)
        502921.98   3633725.90        7.07195  (20011620)                502971.98
3633725.90        7.06527  (20011620)
        503021.98   3633725.90        7.09585  (21012617)                503071.98
3633725.90        7.23130  (21012617)
        503121.98   3633725.90        7.31798  (21012617)                503171.98
3633725.90        7.37513  (21012617)
        503221.98   3633725.90        7.41438  (21012617)                503271.98
3633725.90        7.42701  (21012617)
        503321.98   3633725.90        7.42680  (21012617)                503371.98
3633725.90        7.40647  (21012617)
        503421.98   3633725.90        7.37289  (21012617)                503471.98
3633725.90        7.38242  (21012617)
        503521.98   3633725.90        7.33799  (21012617)                503571.98
```

```
3633725.90        7.34710  (21012617)
        503721.98   3633725.90       10.74700  (19030707)                503771.98
3633725.90       10.85834  (19030707)
        503821.98   3633725.90       11.08634  (20092620)                503871.98
3633725.90       11.45670  (20092620)
        503921.98   3633725.90       11.52997  (20092620)                503971.98
3633725.90       11.48455  (20092620)
        504021.98   3633725.90       11.36891  (20092620)                504071.98
3633725.90       11.31766  (20092620)
        504121.98   3633725.90       11.20890  (20092620)                504171.98
3633725.90       11.03126  (20092620)
        504221.98   3633725.90       10.90324  (20092620)                504271.98
3633725.90       10.71103  (20092620)
        504321.98   3633725.90       12.05115  (21122618)                504371.98
3633725.90       11.21019  (19020919)
        504421.98   3633725.90       10.51696  (19020919)                504471.98
3633725.90       10.63091  (20110218)
        504521.98   3633725.90       10.77562  (20020306)                504571.98
3633725.90       10.75938  (19021605)
        504621.98   3633725.90       10.53348  (19021605)                504671.98
3633725.90       10.66862  (20082301)
        504721.98   3633725.90       10.64189  (20082301)                502721.98
3633775.90        6.47691  (20011620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1017
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
```

```
 - - -
```

```
        503821.98   3633825.90        8.85990  (19030707)               503871.98
3633825.90        9.96337  (19030707)
        503921.98   3633825.90       10.03886  (20092620)               503971.98
3633825.90       10.36324  (20092620)
        504021.98   3633825.90        9.80458  (20092620)               504071.98
3633825.90        9.99627  (20092620)
        504121.98   3633825.90        9.91086  (20092620)               504171.98
3633825.90        9.48071  (20092620)
        504221.98   3633825.90        9.87653  (20092620)               504271.98
3633825.90       10.16948  (20092620)
        504321.98   3633825.90       10.27679  (20092620)               504371.98
3633825.90       10.30076  (20092620)
        504421.98   3633825.90       10.23480  (21122618)               504471.98
3633825.90        9.99780  (20092620)
        504521.98   3633825.90        9.96515  (19102623)               504571.98
3633825.90        9.84351  (20092620)
        504621.98   3633825.90       11.15741  (19102623)               504671.98
3633825.90       10.86613  (19102623)
        504721.98   3633825.90       10.10972  (19102623)               502721.98
3633875.90        6.02827  (21012024)
        502771.98   3633875.90        5.99473  (21013118)               502821.98
3633875.90        6.00912  (20011620)
        502871.98   3633875.90        6.12739  (20011620)               502921.98
3633875.90        6.22710  (20011620)
        502971.98   3633875.90        6.27059  (20011620)               503021.98
3633875.90        6.29222  (20011620)
        503071.98   3633875.90        6.30165  (20011620)               503121.98
3633875.90        6.28946  (20011620)
        503171.98   3633875.90        6.27607  (20011620)               503221.98
3633875.90        6.37430  (21012617)
        503271.98   3633875.90        6.48077  (21012617)               503821.98
3633875.90        7.08305  (19030707)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1018
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503871.98	3633875.90	9.45934	(19030707)	503921.98	3633875.90	9.45110	(19030707)
503971.98	3633875.90	8.86944	(19030707)	504021.98	3633875.90	8.93456	(19030707)
504071.98	3633875.90	9.10985	(19030707)	504121.98	3633875.90	8.39298	(19030707)
504171.98	3633875.90	8.77439	(20092620)	504221.98	3633875.90	9.34131	(20092620)
504271.98	3633875.90	9.72358	(20092620)	504321.98	3633875.90	10.14963	(20092620)
504371.98	3633875.90	10.15920	(20092620)	504421.98	3633875.90	10.09338	(20092620)
504471.98	3633875.90	9.98971	(20092620)	504521.98	3633875.90	9.78213	(20092620)
504571.98	3633875.90	9.61392	(20092620)	504621.98	3633875.90	9.57353	(20092620)
504671.98	3633875.90	10.68539	(19102623)	504721.98	3633875.90	10.69207	(19102623)
502721.98	3633925.90	5.85133	(21012024)	502771.98	3633925.90	5.79543	(21013118)
502821.98	3633925.90	5.77537	(21013118)	502871.98	3633925.90	5.80371	(20011620)
502921.98	3633925.90	5.93124	(20011620)	502971.98	3633925.90	5.99968	(20011620)
503021.98	3633925.90	6.04619	(20011620)	503071.98	3633925.90	6.07388	(20011620)
503121.98	3633925.90	6.07985	(20011620)	503171.98	3633925.90	6.07279	(20011620)
503221.98	3633925.90	6.05501	(20011620)	503271.98	3633925.90	6.12010	(21012617)
503821.98	3633925.90	6.45462	(21012617)	503871.98	3633925.90	6.65963	(19030707)
503921.98	3633925.90	6.96815	(19030707)	503971.98	3633925.90	6.18322	(21012617)
504021.98	3633925.90	6.70174	(19030707)	504071.98	3633925.90	6.87650	(19030707)
504121.98	3633925.90	7.95822	(19030707)	504171.98	3633925.90	7.87898	(19030707)
504221.98	3633925.90	7.86534	(20092620)	504271.98			

3633925.90 8.80974 (20092620)
  504321.98 3633925.90 9.18346 (20092620) 504371.98
3633925.90 9.70196 (20092620)
  504421.98 3633925.90 9.69819 (20092620) 504471.98
3633925.90 9.69018 (20092620)
  504521.98 3633925.90 9.67818 (20092620) 504571.98
3633925.90 9.67688 (20092620)
  504621.98 3633925.90 9.57174 (20092620) 504671.98
3633925.90 9.69809 (19102623)
  504721.98 3633925.90 10.25501 (19102623) 502721.98
3633975.90 5.69336 (21012024)
  502771.98 3633975.90 5.62197 (21012024) 502821.98
3633975.90 5.58819 (21013118)
  502871.98 3633975.90 5.58313 (21013118) 502921.98
3633975.90 5.61762 (20011620)
  502971.98 3633975.90 5.72121 (20011620) 503021.98
3633975.90 5.79576 (20011620)
  503071.98 3633975.90 5.84103 (20011620) 503121.98
3633975.90 5.86551 (20011620)
  503171.98 3633975.90 5.87210 (20011620) 503221.98
3633975.90 5.86672 (20011620)
  503271.98 3633975.90 5.85312 (20011620) 503821.98
3633975.90 6.24983 (21012617)
  503871.98 3633975.90 6.21043 (21012617) 503921.98
3633975.90 6.06169 (21012617)
  503971.98 3633975.90 6.05615 (21012617) 504021.98
3633975.90 6.04032 (21012617)
  504071.98 3633975.90 5.93415 (21012617) 504121.98
3633975.90 5.89685 (21012617)
  504171.98 3633975.90 5.85588 (21012617) 504221.98
3633975.90 7.96649 (19030707)
  504271.98 3633975.90 8.09268 (20092620) 504321.98
3633975.90 8.45687 (20092620)
  504371.98 3633975.90 9.17534 (20092620) 504421.98
3633975.90 9.34372 (20092620)
  504471.98 3633975.90 9.64184 (20092620) 504521.98
3633975.90 9.60355 (20092620)
  504571.98 3633975.90 9.51278 (20092620) 504621.98
3633975.90 9.36744 (20092620)
  504671.98 3633975.90 9.19091 (20092620) 504721.98
3633975.90 8.91361 (20082302)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

```
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                 L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                 L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                 L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        502721.98   3634025.90        5.58827  (21012024)                502771.98
3634025.90        5.53888  (21012024)
        502821.98   3634025.90        5.45104  (21012024)                502871.98
3634025.90        5.41907  (21013118)
        502921.98   3634025.90        5.38834  (21013118)                502971.98
3634025.90        5.42718  (20011620)
        503021.98   3634025.90        5.53940  (20011620)                503071.98
3634025.90        5.60438  (20011620)
        503121.98   3634025.90        5.64792  (20011620)                503171.98
3634025.90        5.67211  (20011620)
        503221.98   3634025.90        5.67914  (20011620)                503271.98
3634025.90        5.67363  (20011620)
        503871.98   3634025.90        5.96513  (21012617)                503921.98
3634025.90        5.91774  (21012617)
        503971.98   3634025.90        5.89844  (21012617)                504021.98
3634025.90        5.86108  (21012617)
        504071.98   3634025.90        5.87854  (21012617)                504121.98
3634025.90        5.84955  (21012617)
        504171.98   3634025.90        6.20091  (19030707)                504221.98
3634025.90        7.45024  (19030707)
        504271.98   3634025.90        8.01295  (19030707)                504321.98
3634025.90        7.99043  (19030707)
        504371.98   3634025.90        8.67127  (20092620)                504421.98
3634025.90        9.27911  (20092620)
        504471.98   3634025.90        9.33974  (20092620)                504521.98
3634025.90        9.33077  (20092620)
        504571.98   3634025.90        9.83443  (21122618)                504621.98
3634025.90        8.92968  (20092620)
        504671.98   3634025.90        8.75225  (20082302)                504721.98
3634025.90        8.61672  (20082302)
```

```
        502721.98   3634075.90        5.46046  (21012024)              502771.98
3634075.90        5.35529  (21012024)
        502821.98   3634075.90        5.28970  (21012024)              502871.98
3634075.90        5.26547  (21013118)
        502921.98   3634075.90        5.24030  (21013118)              502971.98
3634075.90        5.20829  (21013118)
        503021.98   3634075.90        5.26136  (20011620)              503071.98
3634075.90        5.36111  (20011620)
        503121.98   3634075.90        5.42730  (20011620)              503171.98
3634075.90        5.46956  (20011620)
        503221.98   3634075.90        5.49012  (20011620)              503271.98
3634075.90        5.49719  (20011620)
        503871.98   3634075.90        5.81005  (21012617)              503921.98
3634075.90        5.77859  (21012617)
        503971.98   3634075.90        5.75068  (21012617)              504021.98
3634075.90        5.73689  (21012617)
        504071.98   3634075.90        5.73164  (21012617)              504121.98
3634075.90        5.73405  (21012617)
        504171.98   3634075.90        5.62960  (21012617)              504221.98
3634075.90        6.16220  (19030707)
        504271.98   3634075.90        7.11097  (19030707)              504321.98
3634075.90        7.92411  (19030707)
        504371.98   3634075.90        8.36365  (20092620)              504421.98
3634075.90        8.75735  (20092620)
        504471.98   3634075.90        8.89796  (20092620)              504521.98
3634075.90        9.32241  (21122618)
        504571.98   3634075.90        9.47783  (21122618)              504621.98
3634075.90        8.36065  (20082302)
        504671.98   3634075.90        8.50946  (19020919)              504721.98
3634075.90        8.51484  (19020919)
        502721.98   3634125.90        5.32906  (21012024)              502771.98
3634125.90        5.21237  (21012024)
        502821.98   3634125.90        5.15502  (21012024)              502871.98
3634125.90        5.12073  (21013118)
        502921.98   3634125.90        5.09390  (21013118)              502971.98
3634125.90        5.06638  (21013118)
        503021.98   3634125.90        5.04390  (21013118)              503071.98
3634125.90        5.09982  (20011620)
        503121.98   3634125.90        5.19577  (20011620)              503171.98
3634125.90        5.26186  (20011620)
        503221.98   3634125.90        5.29577  (20011620)              503271.98
3634125.90        5.32029  (20011620)
        503921.98   3634125.90        5.63841  (21012617)              503971.98
3634125.90        5.61868  (21012617)
        504021.98   3634125.90        5.59808  (21012617)              504071.98
3634125.90        5.58523  (21012617)
        504121.98   3634125.90        5.55459  (21012617)              504171.98
3634125.90        5.58913  (21012617)
        504221.98   3634125.90        5.51563  (21012617)              504271.98
3634125.90        5.78047  (19030707)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504321.98	3634125.90	7.61293	(19030707)	504371.98	3634125.90	7.42318	(20092620)
504421.98	3634125.90	8.07674	(20092620)	504471.98	3634125.90	8.58511	(21090701)
504521.98	3634125.90	8.95514	(21122618)	504571.98	3634125.90	8.27407	(19030801)
504621.98	3634125.90	7.90812	(20082302)	504671.98	3634125.90	8.02252	(19020919)
504721.98	3634125.90	8.20848	(19020919)	502721.98	3634175.90	5.13584	(21012024)
502771.98	3634175.90	5.07867	(21012024)	502821.98	3634175.90	5.03624	(21012024)
502871.98	3634175.90	4.99677	(21012024)	502921.98	3634175.90	4.95850	(21013118)
502971.98	3634175.90	4.93345	(21013118)	503021.98	3634175.90	4.91361	(21013118)
503071.98	3634175.90	4.87847	(21013118)	503121.98	3634175.90	4.94793	(20011620)
503171.98	3634175.90	5.03578	(20011620)	503221.98	3634175.90	5.09091	(20011620)
503271.98	3634175.90	5.13081	(20011620)	503971.98			

```
3634175.90        5.49278  (21012617)
        504021.98   3634175.90        5.47090  (21012617)                504071.98
3634175.90        5.45379  (21012617)
        504121.98   3634175.90        5.44004  (21012617)                504171.98
3634175.90        5.40961  (21012617)
        504221.98   3634175.90        5.44416  (21012617)                504271.98
3634175.90        5.38412  (21012617)
        504321.98   3634175.90        5.58465  (19030707)                504371.98
3634175.90        7.67163  (19102623)
        504421.98   3634175.90        8.39301  (21090701)                504471.98
3634175.90        8.41688  (21090701)
        504521.98   3634175.90        8.28559  (20011620)                504571.98
3634175.90        7.72591  (20092424)
        504621.98   3634175.90        7.18909  (20082302)                504671.98
3634175.90        7.19807  (20082302)
        504721.98   3634175.90        6.98802  (19020919)                502721.98
3634225.90        5.00628  (21012024)
        502771.98   3634225.90        4.97445  (21012024)                502821.98
3634225.90        4.94131  (21012024)
        502871.98   3634225.90        4.89267  (21012024)                502921.98
3634225.90        4.83306  (21013118)
        502971.98   3634225.90        4.80957  (21013118)                503021.98
3634225.90        4.78986  (21013118)
        503071.98   3634225.90        4.75780  (21013118)                503121.98
3634225.90        4.72274  (21013118)
        503171.98   3634225.90        4.80293  (20011620)                503221.98
3634225.90        4.88695  (20011620)
        503271.98   3634225.90        4.94717  (20011620)                504071.98
3634225.90        5.33271  (21012617)
        504121.98   3634225.90        5.31936  (21012617)                504171.98
3634225.90        5.30285  (21012617)
        504221.98   3634225.90        5.27700  (21012617)                504271.98
3634225.90        5.30720  (21012617)
        504321.98   3634225.90        5.24461  (21012617)                504371.98
3634225.90        7.15520  (19102623)
        504421.98   3634225.90        7.77963  (21090701)                504471.98
3634225.90        7.70876  (21090701)
        504521.98   3634225.90        7.83168  (20011620)                504571.98
3634225.90        7.81092  (20092424)
        504621.98   3634225.90        7.09059  (20092424)                504671.98
3634225.90        6.35651  (20082302)
        504721.98   3634225.90        5.98379  (20082302)                502721.98
3634275.90        4.90428  (21012024)
        502771.98   3634275.90        4.85511  (21012024)                502821.98
3634275.90        4.82581  (21012024)
        502871.98   3634275.90        4.81887  (21012024)                502921.98
3634275.90        4.72917  (21012024)
        502971.98   3634275.90        4.69165  (21013118)                503021.98
3634275.90        4.67673  (21013118)
        503071.98   3634275.90        4.64657  (21013118)                503121.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
  L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
  L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
  L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504371.98	3634275.90	7.41319	(19102623)	504421.98	3634275.90	7.08138	(19021605)
504471.98	3634275.90	7.48390	(21090701)	504521.98	3634275.90	7.43687	(20092424)
504571.98	3634275.90	7.53561	(20092424)	504621.98	3634275.90	7.03169	(20092424)
504671.98	3634275.90	5.95872	(20092424)	504721.98	3634275.90	5.50734	(20082301)
502721.98	3634325.90	4.70276	(21012024)	502771.98	3634325.90	4.67777	(21012024)
502821.98	3634325.90	4.63674	(21012024)	502871.98	3634325.90	4.74768	(21012024)

```
        502971.98   3634325.90        4.58539  (21013118)              503021.98
3634325.90        4.56837  (21013118)
        503071.98   3634325.90        4.54469  (21013118)              503121.98
3634325.90        4.54380  (21012024)
        503171.98   3634325.90        4.56909  (21012024)              503221.98
3634325.90        4.59821  (21012024)
        503271.98   3634325.90        4.59898  (21012024)              504171.98
3634325.90        5.08469  (21012617)
        504221.98   3634325.90        5.33547  (21012617)              504271.98
3634325.90        5.18934  (21012617)
        504321.98   3634325.90        5.18491  (21012617)              504371.98
3634325.90        7.22734  (19102623)
        504421.98   3634325.90        6.92943  (19021605)              504471.98
3634325.90        7.35094  (21090701)
        504521.98   3634325.90        7.04664  (20092424)              504571.98
3634325.90        7.17199  (20092424)
        504621.98   3634325.90        6.68485  (20092424)              504671.98
3634325.90        5.92497  (20092424)
        504721.98   3634325.90        5.43909  (20082301)              502721.98
3634375.90        4.57139  (21012024)
        502771.98   3634375.90        4.55500  (21012024)              502821.98
3634375.90        4.51055  (21012024)
        503021.98   3634375.90        4.45291  (21013118)              503071.98
3634375.90        4.45937  (21012024)
        503121.98   3634375.90        4.46163  (21012024)              503171.98
3634375.90        4.47542  (21012024)
        503221.98   3634375.90        4.50207  (21012024)              503271.98
3634375.90        4.48890  (21012024)
        504221.98   3634375.90        5.03187  (21012617)              504271.98
3634375.90        5.04734  (21012617)
        504321.98   3634375.90        5.01698  (21012617)              504371.98
3634375.90        7.29588  (19102623)
        504421.98   3634375.90        6.98162  (21121422)              504471.98
3634375.90        6.52177  (19112918)
        504521.98   3634375.90        6.65242  (20092424)              504571.98
3634375.90        6.62859  (20092424)
        504621.98   3634375.90        6.48898  (20092424)              504671.98
3634375.90        6.22099  (20092424)
        504721.98   3634375.90        5.85060  (20092424)              502721.98
3634425.90        4.51444  (21012024)
        502771.98   3634425.90        4.47446  (21012024)              502821.98
3634425.90        4.43063  (21012024)
        504271.98   3634425.90        4.84734  (21012617)              504321.98
3634425.90        4.84732  (21012617)
        504371.98   3634425.90        6.94996  (19102623)              504421.98
3634425.90        6.82437  (20102020)
        504471.98   3634425.90        6.42208  (20020306)              504521.98
3634425.90        6.38895  (20092424)
        504571.98   3634425.90        6.56755  (20092424)              504621.98
3634425.90        6.76278  (20092424)
```

```
        504671.98   3634425.90        6.75995  (20092424)                504721.98
3634425.90        6.42870  (20092424)
        502721.98   3634475.90        4.50302  (21012024)                502771.98
3634475.90        4.49458  (21012024)
        502821.98   3634475.90        4.46368  (21012024)                504321.98
3634475.90        4.73258  (21012617)
        504371.98   3634475.90        4.76981  (21012617)                504421.98
3634475.90        6.80715  (19102623)
        504471.98   3634475.90        6.65088  (20102020)                504521.98
3634475.90        6.56838  (20102020)
        504571.98   3634475.90        6.49669  (21090701)                504621.98
3634475.90        6.43628  (21090701)
        504671.98   3634475.90        6.73804  (20092424)                504721.98
3634475.90        6.77781  (20092424)
        502721.98   3634525.90        4.46222  (21012024)                502771.98
3634525.90        4.42077  (21012024)
        504371.98   3634525.90        4.62989  (21012617)                504421.98
3634525.90        4.63159  (21012617)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                              PAGE  1022
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        504471.98   3634525.90        4.86926  (21012617)                504521.98
3634525.90        6.49925  (19102623)
        504571.98   3634525.90        6.64177  (19102623)                504621.98
```

3634525.90 6.23021 (19021605)
504671.98 3634525.90 6.92654 (21090701) 504721.98
3634525.90 6.53138 (20011620)
502721.98 3634575.90 4.38091 (21012024) 502771.98
3634575.90 4.35322 (21012024)
504421.98 3634575.90 4.52175 (21012617) 504471.98
3634575.90 4.53055 (21012617)
504521.98 3634575.90 4.53348 (21012617) 504571.98
3634575.90 4.69203 (21012617)
504621.98 3634575.90 6.27502 (19102623) 504671.98
3634575.90 6.00500 (19021605)
504721.98 3634575.90 6.35057 (20102020) 502721.98
3634625.90 4.30595 (21012024)
502771.98 3634625.90 4.27187 (21012024) 502821.98
3634625.90 4.25885 (21012024)
502871.98 3634625.90 4.22283 (21012024) 502921.98
3634625.90 4.18267 (21012024)
502971.98 3634625.90 4.15578 (21012024) 503021.98
3634625.90 4.13970 (21012024)
503071.98 3634625.90 4.13427 (21012024) 503121.98
3634625.90 4.13187 (21012024)
504471.98 3634625.90 4.42896 (21012617) 504521.98
3634625.90 4.43724 (21012617)
504571.98 3634625.90 4.44157 (21012617) 504621.98
3634625.90 4.47181 (21012617)
504671.98 3634625.90 4.49572 (21012617) 504721.98
3634625.90 6.32438 (19102623)
502721.98 3634675.90 4.23988 (21012024) 502771.98
3634675.90 4.21363 (21012024)
502821.98 3634675.90 4.19759 (21012024) 502871.98
3634675.90 4.16540 (21012024)
502921.98 3634675.90 4.12963 (21012024) 502971.98
3634675.90 4.11206 (21012024)
503021.98 3634675.90 4.08280 (21012024) 503071.98
3634675.90 4.06857 (21012024)
503121.98 3634675.90 4.08612 (21012024) 503171.98
3634675.90 4.11475 (21012024)
503221.98 3634675.90 4.08062 (21012024) 503271.98
3634675.90 3.93811 (21012024)
503321.98 3634675.90 3.84767 (21013118) 503371.98
3634675.90 3.82919 (21013118)
503421.98 3634675.90 3.81197 (21013118) 503471.98
3634675.90 3.81375 (21013118)
503521.98 3634675.90 3.76422 (21013118) 504521.98
3634675.90 4.33549 (21012617)
504571.98 3634675.90 4.34335 (21012617) 504621.98
3634675.90 4.35462 (21012617)
504671.98 3634675.90 4.35942 (21012617) 504721.98
3634675.90 4.38433 (21012617)
502721.98 3634725.90 4.17546 (21012024) 502771.98

```
3634725.90        4.14931  (21012024)
        502821.98   3634725.90        4.12229  (21012024)                502871.98
3634725.90        4.11112  (21012024)
        502921.98   3634725.90        4.07517  (21012024)                502971.98
3634725.90        4.04890  (21012024)
        503021.98   3634725.90        4.02954  (21012024)                503071.98
3634725.90        4.01121  (21012024)
        503121.98   3634725.90        4.02231  (21012024)                503171.98
3634725.90        4.03180  (21012024)
        503221.98   3634725.90        3.98094  (21012024)                503271.98
3634725.90        3.86485  (21012024)
        503321.98   3634725.90        3.78760  (21013118)                503371.98
3634725.90        3.77102  (21013118)
        503421.98   3634725.90        3.75540  (21013118)                503471.98
3634725.90        3.75348  (21013118)
        503521.98   3634725.90        3.73834  (21013118)                503571.98
3634725.90        3.70523  (21013118)
        503621.98   3634725.90        3.71097  (20011620)                504571.98
3634725.90        4.24683  (21012617)
        504621.98   3634725.90        4.26168  (21012617)                504671.98
3634725.90        4.26939  (21012617)
        504721.98   3634725.90        4.27694  (21012617)                502721.98
3634775.90        4.11325  (21012024)
        502771.98   3634775.90        4.08048  (21012024)                502821.98
3634775.90        4.06058  (21012024)
        502871.98   3634775.90        4.04650  (21012024)                502921.98
3634775.90        4.01776  (21012024)
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                    INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502971.98	3634775.90	3.98282	(21012024)	503021.98	3634775.90	3.97581	(21012024)
503071.98	3634775.90	3.96323	(21012024)	503121.98	3634775.90	3.95716	(21012024)
503171.98	3634775.90	3.95036	(21012024)	503221.98	3634775.90	3.88795	(21012024)
503271.98	3634775.90	3.78037	(21012024)	503321.98	3634775.90	3.72022	(21013118)
503371.98	3634775.90	3.70135	(21013118)	503421.98	3634775.90	3.68752	(21013118)
503471.98	3634775.90	3.68499	(21013118)	503521.98	3634775.90	3.66768	(21013118)
503571.98	3634775.90	3.65324	(21013118)	503621.98	3634775.90	3.64748	(21013118)
503671.98	3634775.90	3.65337	(21013118)	503721.98	3634775.90	3.72270	(20011620)
503771.98	3634775.90	3.77572	(20011620)	503821.98	3634775.90	3.80708	(20011620)
504621.98	3634775.90	4.16355	(21012617)	504671.98	3634775.90	4.17892	(21012617)
504721.98	3634775.90	4.18918	(21012617)	502721.98	3634825.90	4.04602	(21012024)
502771.98	3634825.90	4.03054	(21012024)	502821.98	3634825.90	4.00413	(21012024)
502871.98	3634825.90	3.97384	(21012024)	502921.98	3634825.90	3.96173	(21012024)
502971.98	3634825.90	3.93424	(21012024)	503021.98	3634825.90	3.92279	(21012024)
503071.98	3634825.90	3.89848	(21012024)	503121.98	3634825.90	3.89774	(21012024)
503171.98	3634825.90	3.86249	(21012024)	503221.98	3634825.90	3.80839	(21012024)
503271.98	3634825.90	3.69948	(21012024)	503321.98	3634825.90	3.66051	(21013118)
503371.98	3634825.90	3.65253	(21013118)	503421.98	3634825.90	3.64081	(21013118)
503471.98	3634825.90	3.62779	(21013118)	503521.98	3634825.90	3.61209	(21013118)
503571.98	3634825.90	3.59466	(21013118)	503621.98	3634825.90	3.59148	(21013118)
503671.98	3634825.90	3.59397	(21013118)	503721.98	3634825.90	3.60193	(21013118)
503771.98	3634825.90	3.65133	(20011620)	503821.98	3634825.90	3.70533	(20011620)

```
        503871.98   3634825.90        3.74490  (20011620)                503921.98
3634825.90        3.77139  (20011620)
        504671.98   3634825.90        4.08253  (21012617)                504721.98
3634825.90        4.09922  (21012617)
        502721.98   3634875.90        3.97857  (21012024)                502771.98
3634875.90        3.96026  (21012024)
        502821.98   3634875.90        3.93658  (21012024)                502871.98
3634875.90        3.90248  (21012024)
        502921.98   3634875.90        3.89380  (21012024)                502971.98
3634875.90        3.87478  (21012024)
        503021.98   3634875.90        3.86391  (21012024)                503071.98
3634875.90        3.84982  (21012024)
        503121.98   3634875.90        3.84020  (21012024)                503171.98
3634875.90        3.79109  (21012024)
        503221.98   3634875.90        3.73978  (21012024)                503271.98
3634875.90        3.65034  (21012024)
        503321.98   3634875.90        3.61297  (21013118)                503371.98
3634875.90        3.59631  (21013118)
        503421.98   3634875.90        3.58188  (21013118)                503471.98
3634875.90        3.57131  (21013118)
        503521.98   3634875.90        3.55660  (21013118)                503571.98
3634875.90        3.54537  (21013118)
        503621.98   3634875.90        3.53712  (21013118)                503671.98
3634875.90        3.53773  (21013118)
        503721.98   3634875.90        3.54833  (21013118)                503771.98
3634875.90        3.56282  (21013118)
        503821.98   3634875.90        3.58465  (21013118)                503871.98
3634875.90        3.63625  (20011620)
        503921.98   3634875.90        3.68256  (20011620)                504721.98
3634875.90        4.00372  (21012617)
        502721.98   3634925.90        3.91656  (21012024)                502771.98
3634925.90        3.89177  (21012024)
        502821.98   3634925.90        3.87223  (21012024)                502871.98
3634925.90        3.83934  (21012024)
        502921.98   3634925.90        3.82743  (21012024)                502971.98
3634925.90        3.81205  (21012024)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1024
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                 L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
```

L0000773 , L0000774 , L0000775 , L0000776 , L0000777
, L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785
, L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503021.98	3634925.90	3.80052	(21012024)	503071.98	3634925.90	3.78962	(21012024)
503121.98	3634925.90	3.77893	(21012024)	503171.98	3634925.90	3.74911	(21012024)
503221.98	3634925.90	3.69367	(21012024)	503271.98	3634925.90	3.58051	(21012024)
503321.98	3634925.90	3.55350	(21013118)	503371.98	3634925.90	3.53966	(21013118)
503421.98	3634925.90	3.52648	(21013118)	503471.98	3634925.90	3.51322	(21013118)
503521.98	3634925.90	3.50029	(21013118)	503571.98	3634925.90	3.48878	(21013118)
503621.98	3634925.90	3.48022	(21013118)	503671.98	3634925.90	3.48002	(21013118)
503721.98	3634925.90	3.49854	(21013118)	503771.98	3634925.90	3.51334	(21013118)
503821.98	3634925.90	3.53779	(21013118)	503871.98	3634925.90	4.20314	(20011620)
502721.98	3634975.90	3.85788	(21012024)	502771.98	3634975.90	3.82798	(21012024)
502821.98	3634975.90	3.80696	(21012024)	502871.98	3634975.90	3.78951	(21012024)
502921.98	3634975.90	3.78230	(21012024)	502971.98	3634975.90	3.74104	(21012024)
503021.98	3634975.90	3.73325	(21012024)	503071.98	3634975.90	3.73036	(21012024)
503121.98	3634975.90	3.72179	(21012024)	503171.98	3634975.90	3.66278	(21012024)
503221.98	3634975.90	3.59417	(21012024)	503271.98	3634975.90	3.50128	(21013118)
503321.98	3634975.90	3.48841	(21013118)	503371.98	3634975.90	3.47630	(21013118)
503421.98	3634975.90	3.47069	(21013118)	503471.98	3634975.90	3.45559	(21013118)
503521.98	3634975.90	3.44545	(21013118)	503571.98			

```
3634975.90        3.43363  (21013118)
        503621.98   3634975.90        3.42398  (21013118)                503671.98
3634975.90        3.42195  (21013118)
        503721.98   3634975.90        3.44324  (21013118)                503771.98
3634975.90        4.79023  (21090701)
        503821.98   3634975.90        4.55001  (21090701)                503871.98
3634975.90        5.46041  (20011620)
        502721.98   3635025.90        3.80092  (21012024)                502771.98
3635025.90        3.78456  (21012024)
        502821.98   3635025.90        3.76260  (21012024)                502871.98
3635025.90        3.74235  (21012024)
        502921.98   3635025.90        3.71679  (21012024)                502971.98
3635025.90        3.69940  (21012024)
        503021.98   3635025.90        3.68935  (21012024)                503071.98
3635025.90        3.68649  (21012024)
        503121.98   3635025.90        3.67055  (21012024)                503171.98
3635025.90        3.61874  (21012024)
        503221.98   3635025.90        3.54762  (21012024)                503271.98
3635025.90        3.44950  (21013118)
        503321.98   3635025.90        3.43755  (21013118)                503371.98
3635025.90        3.42591  (21013118)
        503421.98   3635025.90        3.41660  (21013118)                503471.98
3635025.90        3.40261  (21013118)
        503521.98   3635025.90        3.39070  (21013118)                503571.98
3635025.90        3.38083  (21013118)
        503621.98   3635025.90        3.37437  (21013118)                503671.98
3635025.90        3.37669  (21013118)
        503721.98   3635025.90        3.90762  (21061321)                503771.98
3635025.90        4.73930  (21061321)
        503821.98   3635025.90        5.60486  (21090701)                504371.98
3635025.90        3.50760  (20011620)
        502721.98   3635075.90        3.75494  (21012024)                502771.98
3635075.90        3.73929  (21012024)
        502821.98   3635075.90        3.71942  (21012024)                502871.98
3635075.90        3.68705  (21012024)
        502921.98   3635075.90        3.67112  (21012024)                502971.98
3635075.90        3.66003  (21012024)
        503021.98   3635075.90        3.64082  (21012024)                503071.98
3635075.90        3.63428  (21012024)
        503121.98   3635075.90        3.61357  (21012024)                503171.98
3635075.90        3.56419  (21012024)
        503221.98   3635075.90        3.48984  (21012024)                503271.98
3635075.90        3.39723  (21013118)
        503321.98   3635075.90        3.38648  (21013118)                503371.98
3635075.90        3.37456  (21013118)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***

INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503421.98	3635075.90	3.36178	(21013118)	503471.98	3635075.90	3.34909	(21013118)
503521.98	3635075.90	3.33776	(21013118)	503571.98	3635075.90	3.32840	(21013118)
503621.98	3635075.90	3.32226	(21013118)	503671.98	3635075.90	3.32636	(21013118)
503721.98	3635075.90	3.31399	(21013118)	503771.98	3635075.90	4.41304	(21061321)
503821.98	3635075.90	5.37172	(21121422)	504371.98	3635075.90	3.45464	(20011620)
504421.98	3635075.90	3.44958	(20011620)	504471.98	3635075.90	3.44325	(20011620)
504521.98	3635075.90	3.42888	(20011620)	502721.98	3635125.90	3.70492	(21012024)
502771.98	3635125.90	3.69066	(21012024)	502821.98	3635125.90	3.67410	(21012024)
502871.98	3635125.90	3.64890	(21012024)	502921.98	3635125.90	3.61508	(21012024)
502971.98	3635125.90	3.60024	(21012024)	503021.98	3635125.90	3.59076	(21012024)
503071.98	3635125.90	3.58539	(21012024)	503121.98	3635125.90	3.56285	(21012024)
503171.98	3635125.90	3.51580	(21012024)	503221.98	3635125.90	3.44161	(21012024)
503271.98	3635125.90	3.34747	(21013118)	503321.98	3635125.90	3.33807	(21013118)

503371.98 3635125.90 3.32669 (21013118) 503421.98
3635125.90 3.31206 (21013118)
503471.98 3635125.90 3.30080 (21013118) 503521.98
3635125.90 3.29022 (21013118)
503571.98 3635125.90 3.28786 (21013118) 503621.98
3635125.90 3.27890 (21013118)
503671.98 3635125.90 3.27960 (21013118) 503721.98
3635125.90 4.57441 (21121422)
503771.98 3635125.90 5.09998 (21121422) 503821.98
3635125.90 5.24397 (21121422)
504371.98 3635125.90 3.39735 (20011620) 504421.98
3635125.90 3.39847 (20011620)
504471.98 3635125.90 3.39297 (20011620) 504521.98
3635125.90 3.38593 (20011620)
504571.98 3635125.90 3.37614 (20011620) 502721.98
3635175.90 3.65419 (21012024)
502771.98 3635175.90 3.64660 (21012024) 502821.98
3635175.90 3.63081 (21012024)
502871.98 3635175.90 3.61464 (21012024) 502921.98
3635175.90 3.57630 (21012024)
502971.98 3635175.90 3.56079 (21012024) 503021.98
3635175.90 3.55547 (21012024)
503071.98 3635175.90 3.54137 (21012024) 503121.98
3635175.90 3.51156 (21012024)
503171.98 3635175.90 3.45940 (21012024) 503221.98
3635175.90 3.38116 (21012024)
503271.98 3635175.90 3.29747 (21013118) 503321.98
3635175.90 3.28939 (21013118)
503371.98 3635175.90 3.27819 (21013118) 503421.98
3635175.90 3.26155 (21013118)
503471.98 3635175.90 3.25718 (21013118) 503521.98
3635175.90 3.24505 (21013118)
503571.98 3635175.90 3.24280 (21013118) 503621.98
3635175.90 3.23549 (21013118)
503671.98 3635175.90 3.22351 (21013118) 503721.98
3635175.90 5.30480 (21121422)
503771.98 3635175.90 5.11289 (21121422) 503821.98
3635175.90 4.89790 (20092821)
504371.98 3635175.90 3.33788 (20011620) 504421.98
3635175.90 3.34237 (20011620)
504471.98 3635175.90 3.34104 (20011620) 504521.98
3635175.90 3.33758 (20011620)
504571.98 3635175.90 3.33399 (20011620) 504621.98
3635175.90 3.31908 (20011620)
502721.98 3635225.90 3.60563 (21012024) 502771.98
3635225.90 3.58752 (21012024)
502821.98 3635225.90 3.57116 (21012024) 502871.98
3635225.90 3.55759 (21012024)
502921.98 3635225.90 3.54331 (21012024) 502971.98
3635225.90 3.52648 (21012024)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503221.98	3635225.90	3.30508	(21012024)	503271.98	3635225.90	3.24446	(21013118)
503321.98	3635225.90	3.23431	(21013118)	503371.98	3635225.90	3.22377	(21013118)
503421.98	3635225.90	3.21250	(21013118)	503471.98	3635225.90	3.20319	(21013118)
503521.98	3635225.90	3.20037	(21013118)	503571.98	3635225.90	3.19727	(21013118)
503621.98	3635225.90	3.17782	(21013118)	503671.98	3635225.90	4.83588	(21121422)
504371.98	3635225.90	3.27446	(20011620)	504421.98	3635225.90	3.28266	(20011620)
504471.98	3635225.90	3.28629	(20011620)	504521.98	3635225.90	3.28643	(20011620)
504571.98	3635225.90	3.28553	(20011620)	504621.98	3635225.90	3.28097	(20011620)
502721.98	3635275.90	3.56584	(21012024)	502771.98			

```
3635275.90        3.55723  (21012024)
        502821.98   3635275.90        3.54254  (21012024)                502871.98
3635275.90        3.52200  (21012024)
        502921.98   3635275.90        3.51092  (21012024)                502971.98
3635275.90        3.49286  (21012024)
        503021.98   3635275.90        3.48357  (21012024)                503071.98
3635275.90        3.46520  (21012024)
        503121.98   3635275.90        3.43255  (21012024)                503171.98
3635275.90        3.37455  (21012024)
        503221.98   3635275.90        3.25197  (21012024)                503271.98
3635275.90        3.19946  (21013118)
        503321.98   3635275.90        3.18988  (21013118)                503371.98
3635275.90        3.18166  (21013118)
        503421.98   3635275.90        3.16954  (21013118)                503471.98
3635275.90        3.15902  (21013118)
        503521.98   3635275.90        3.14732  (21013118)                503571.98
3635275.90        3.14878  (21013118)
        503621.98   3635275.90        3.15715  (21013118)                504371.98
3635275.90        3.20980  (20011620)
        504421.98   3635275.90        3.22402  (20011620)                504471.98
3635275.90        3.23155  (20011620)
        504521.98   3635275.90        3.23482  (20011620)                504571.98
3635275.90        3.23526  (20011620)
        504621.98   3635275.90        3.23440  (20011620)                504671.98
3635275.90        3.22897  (20011620)
        502721.98   3635325.90        3.52440  (21012024)                502771.98
3635325.90        3.51350  (21012024)
        502821.98   3635325.90        3.49791  (21012024)                502871.98
3635325.90        3.48152  (21012024)
        502921.98   3635325.90        3.46911  (21012024)                502971.98
3635325.90        3.45149  (21012024)
        503021.98   3635325.90        3.44083  (21012024)                503071.98
3635325.90        3.42009  (21012024)
        503121.98   3635325.90        3.38602  (21012024)                503171.98
3635325.90        3.32482  (21012024)
        503221.98   3635325.90        3.19963  (21012024)                503271.98
3635325.90        3.15424  (21013118)
        503321.98   3635325.90        3.14663  (21013118)                503371.98
3635325.90        3.13905  (21013118)
        503421.98   3635325.90        3.12924  (21013118)                503471.98
3635325.90        3.11891  (21013118)
        503521.98   3635325.90        3.10586  (21013118)                503571.98
3635325.90        3.10157  (21013118)
        503621.98   3635325.90        3.10854  (21013118)                504371.98
3635325.90        3.13848  (20011620)
        504421.98   3635325.90        3.15895  (20011620)                504471.98
3635325.90        3.17247  (20011620)
        504521.98   3635325.90        3.17999  (20011620)                504571.98
3635325.90        3.18348  (20011620)
        504621.98   3635325.90        3.18567  (20011620)                504671.98
```

3635325.90   3.18616 (20011620)
        504721.98   3635325.90   3.18009 (20011620)   502721.98
3635375.90   3.48682 (21012024)
        502771.98   3635375.90   3.48421 (21012024)   502821.98
3635375.90   3.47059 (21012024)
        502871.98   3635375.90   3.46132 (21012024)   502921.98
3635375.90   3.45015 (21012024)
        502971.98   3635375.90   3.41434 (21012024)   503021.98
3635375.90   3.41869 (21012024)
        503071.98   3635375.90   3.40627 (21012024)   503121.98
3635375.90   3.34357 (21012024)
        503171.98   3635375.90   3.27416 (21012024)   503221.98
3635375.90   3.14809 (21012024)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):   L0000760   , L0000761 , L0000762   , L0000763   , L0000764   ,
                L0000765   , L0000766   , L0000767   , L0000768   , L0000769 , L0000770   , L0000771   , L0000772   ,
                L0000773   , L0000774   , L0000775   , L0000776   , L0000777 , L0000778   , L0000779   , L0000780   ,
                L0000781   , L0000782   , L0000783   , L0000784   , L0000785 , L0000786   , L0000787   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        503271.98   3635375.90   3.10989 (21013118)   503321.98
3635375.90   3.10381 (21013118)
        503371.98   3635375.90   3.09642 (21013118)   503421.98
3635375.90   3.08709 (21013118)
        503471.98   3635375.90   3.07681 (21013118)   503521.98
3635375.90   3.06586 (21013118)
        503571.98   3635375.90   3.06005 (21013118)   503621.98
3635375.90   3.05474 (21013118)

503671.98 3635375.90 3.04498 (21013118) 503721.98
3635375.90 5.01593 (21121422)
504371.98 3635375.90 3.06165 (20011620) 504421.98
3635375.90 3.08952 (20011620)
504471.98 3635375.90 3.10921 (20011620) 504521.98
3635375.90 3.12257 (20011620)
504571.98 3635375.90 3.13040 (20011620) 504621.98
3635375.90 3.13603 (20011620)
504671.98 3635375.90 3.13840 (20011620) 504721.98
3635375.90 3.13835 (20011620)
502721.98 3635425.90 3.44594 (21012024) 502771.98
3635425.90 3.42738 (21012024)
502821.98 3635425.90 3.41886 (21012024) 502871.98
3635425.90 3.53313 (21013118)
502921.98 3635425.90 3.63489 (21013118) 502971.98
3635425.90 3.45962 (21013118)
503021.98 3635425.90 3.45681 (21013118) 503071.98
3635425.90 3.35884 (21012024)
503121.98 3635425.90 3.29150 (21012024) 503171.98
3635425.90 3.22238 (21012024)
503221.98 3635425.90 3.11154 (21012024) 503271.98
3635425.90 3.06959 (21013118)
503321.98 3635425.90 3.06414 (21013118) 503371.98
3635425.90 3.05693 (21013118)
503421.98 3635425.90 3.04855 (21013118) 503471.98
3635425.90 3.04042 (21013118)
503521.98 3635425.90 3.03204 (21013118) 503571.98
3635425.90 3.02379 (21013118)
503621.98 3635425.90 3.01630 (21013118) 503671.98
3635425.90 3.00854 (21013118)
503721.98 3635425.90 3.70601 (21121422) 503771.98
3635425.90 4.40614 (21121422)
503821.98 3635425.90 4.76975 (21121422) 504371.98
3635425.90 2.97948 (20011620)
504421.98 3635425.90 3.01566 (20011620) 504471.98
3635425.90 3.04284 (20011620)
504521.98 3635425.90 3.06201 (20011620) 504571.98
3635425.90 3.07519 (20011620)
504621.98 3635425.90 3.08447 (20011620) 504671.98
3635425.90 3.08962 (20011620)
504721.98 3635425.90 3.09218 (20011620) 502721.98
3635475.90 3.39933 (21012024)
502771.98 3635475.90 3.38032 (21012024) 502821.98
3635475.90 3.37399 (21012024)
502871.98 3635475.90 3.41393 (21013118) 502921.98
3635475.90 3.36151 (21012024)
502971.98 3635475.90 3.60093 (21013118) 503021.98
3635475.90 3.59059 (21013118)
503071.98 3635475.90 3.30822 (21012024) 503121.98
3635475.90 3.24145 (21012024)

```
        503171.98   3635475.90        3.17096  (21012024)               503221.98
3635475.90        3.06609  (21012024)
        503271.98   3635475.90        3.02650  (21013118)               503321.98
3635475.90        3.02233  (21013118)
        503371.98   3635475.90        3.01610  (21013118)               503421.98
3635475.90        3.00870  (21013118)
        503471.98   3635475.90        3.00104  (21013118)               503521.98
3635475.90        2.99294  (21013118)
        503571.98   3635475.90        2.98539  (21013118)               503621.98
3635475.90        2.97739  (21013118)
        503671.98   3635475.90        2.98001  (21013118)               503721.98
3635475.90        2.97468  (21013118)
        503771.98   3635475.90        3.69045  (21121422)               503821.98
3635475.90        3.58586  (21121422)
        503871.98   3635475.90        3.13616  (21121422)               503921.98
3635475.90        2.94891  (21013118)
        504371.98   3635475.90        2.89055  (20011620)               504421.98
3635475.90        2.93543  (20011620)
        504471.98   3635475.90        2.97076  (20011620)               504521.98
3635475.90        2.99679  (20011620)
        504571.98   3635475.90        3.01654  (20011620)               504621.98
3635475.90        3.03024  (20011620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1028
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - -
```

```
3632975.90       19.73212  (21090306)
        504721.98   3632975.90       19.49953  (21090306)                504771.98
3632975.90       19.17773  (21090306)
        504821.98   3632975.90       18.76703  (21090306)                504871.98
3632975.90       18.36027  (20041201)
        504921.98   3632975.90       17.99587  (20041201)                504971.98
3632975.90       17.59863  (20041201)
        505021.98   3632975.90       17.17328  (20041201)                505071.98
3632975.90       16.72809  (20041201)
        505121.98   3632975.90       16.27702  (20041201)                505171.98
3632975.90       15.91500  (21013119)
        505221.98   3632975.90       15.91481  (21013119)                502221.98
3633025.90       24.94723  (21011719)
        502271.98   3633025.90       24.91312  (21011719)                502321.98
3633025.90       24.19723  (21011719)
        502371.98   3633025.90       23.60298  (21011719)                502421.98
3633025.90       23.01109  (21011719)
        502471.98   3633025.90       22.30156  (21011719)                502521.98
3633025.90       21.72884  (21011719)
        502571.98   3633025.90       21.16941  (21011719)                502621.98
3633025.90       20.64902  (21011719)
        502671.98   3633025.90       20.63590  (20082303)                502721.98
3633025.90       20.95747  (20082303)
        502771.98   3633025.90       21.21944  (20082303)                502821.98
3633025.90       25.98451  (20082303)
        502871.98   3633025.90       33.53917  (20081401)                502921.98
3633025.90       38.83616  (20081401)
        502971.98   3633025.90       25.06034  (20082024)                503021.98
3633025.90       27.49934  (20082024)
        503071.98   3633025.90       31.83080  (20081401)                503121.98
3633025.90       39.13879  (20081401)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1029
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503171.98	3633025.90	35.84925	(20081401)	503221.98	3633025.90	31.02259	(21012820)
503271.98	3633025.90	33.24341	(21012820)	503321.98	3633025.90	34.16730	(21012820)
503371.98	3633025.90	36.52728	(21012820)	503421.98	3633025.90	36.72253	(21012820)
503471.98	3633025.90	36.40890	(21012820)	503621.98	3633025.90	47.85397	(21121422)
503671.98	3633025.90	49.62931	(21122618)	503721.98	3633025.90	42.55979	(19102623)
503771.98	3633025.90	33.79301	(20082301)	503821.98	3633025.90	29.35424	(20092620)
503871.98	3633025.90	26.53588	(20092620)	503921.98	3633025.90	23.35615	(20041904)
503971.98	3633025.90	22.56114	(20082024)	504021.98	3633025.90	21.43862	(20060920)
504071.98	3633025.90	20.30999	(19030607)	504121.98	3633025.90	20.76367	(19022319)
504171.98	3633025.90	20.84785	(19022319)	504221.98	3633025.90	20.35295	(19022319)
504271.98	3633025.90	19.42978	(21032601)	504321.98	3633025.90	20.05417	(21032601)
504371.98	3633025.90	20.35575	(21032601)	504421.98	3633025.90	20.29397	(21032601)
504471.98	3633025.90	19.85241	(21032601)	504521.98	3633025.90	19.04750	(21032601)
504571.98	3633025.90	17.93867	(21032601)	504621.98	3633025.90	17.48138	(19030304)
504671.98	3633025.90	17.15748	(19030304)	504721.98	3633025.90	16.90852	(21082521)
504771.98	3633025.90	16.68504	(21082521)	504821.98	3633025.90	16.58122	(21090306)
504871.98	3633025.90	16.66133	(21090306)	504921.98	3633025.90	16.68082	(21090306)
504971.98	3633025.90	16.63484	(21090306)	505021.98	3633025.90	16.52175	(21090306)
505071.98	3633025.90	16.35215	(21090306)	505121.98	3633025.90	16.13075	(21090306)
505171.98	3633025.90	15.85430	(21090306)	505221.98	3633025.90	15.53302	(21090306)

```
        502221.98   3633075.90       21.30747  (21011719)                502271.98
3633075.90       21.06190  (21011719)
        502321.98   3633075.90       20.52301  (21011719)                502371.98
3633075.90       20.00279  (21011719)
        502421.98   3633075.90       19.51828  (21011719)                502471.98
3633075.90       18.90952  (21011719)
        502521.98   3633075.90       18.41284  (21011719)                502571.98
3633075.90       17.96052  (21011719)
        502621.98   3633075.90       17.46457  (21011719)                502671.98
3633075.90       16.89776  (21011719)
        502721.98   3633075.90       16.62287  (20082303)                502771.98
3633075.90       17.05162  (20082303)
        502821.98   3633075.90       17.53754  (20082303)                502871.98
3633075.90       21.79974  (20082303)
        502921.98   3633075.90       27.13265  (20082303)                502971.98
3633075.90       29.93486  (20081401)
        503021.98   3633075.90       32.15161  (20081401)                503071.98
3633075.90       33.26351  (20081401)
        503121.98   3633075.90       31.51505  (20081401)                503171.98
3633075.90       28.69785  (20082303)
        503221.98   3633075.90       25.82226  (20082303)                503271.98
3633075.90       27.39368  (20082303)
        503321.98   3633075.90       29.48685  (20081401)                503371.98
3633075.90       31.78641  (21012820)
        503421.98   3633075.90       32.05653  (20081401)                503471.98
3633075.90       31.47883  (20081401)
        503621.98   3633075.90       39.62693  (21121422)                503671.98
3633075.90       34.51864  (20092424)
        503721.98   3633075.90       33.08355  (21122618)                503771.98
3633075.90       24.83377  (20020306)
        503821.98   3633075.90       22.49691  (20082301)                503871.98
3633075.90       22.03975  (20092620)
        503921.98   3633075.90       24.35789  (20092620)                503971.98
3633075.90       20.88461  (20092620)
        504021.98   3633075.90       19.52643  (20100720)                504071.98
3633075.90       19.05167  (20082024)
        504121.98   3633075.90       18.31678  (20060920)                504171.98
3633075.90       17.58233  (20102019)
        504221.98   3633075.90       17.13932  (19022319)                504271.98
3633075.90       17.58100  (19022319)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1030
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
```

```
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        504321.98   3633075.90       17.67425  (19022319)                504371.98
3633075.90       17.41491  (19022319)
        504421.98   3633075.90       16.79904  (19022319)                504471.98
3633075.90       16.86645  (21032601)
        504521.98   3633075.90       17.28206  (21032601)                504571.98
3633075.90       17.49501  (21032601)
        504621.98   3633075.90       17.46664  (21032601)                504671.98
3633075.90       17.18223  (21032601)
        504721.98   3633075.90       16.64552  (21032601)                504771.98
3633075.90       15.88784  (21032601)
        504821.98   3633075.90       15.02589  (19030304)                504871.98
3633075.90       14.85645  (19030304)
        504921.98   3633075.90       14.61863  (19030304)                504971.98
3633075.90       14.35282  (19030304)
        505021.98   3633075.90       14.21342  (21082521)                505071.98
3633075.90       14.05158  (21082521)
        505121.98   3633075.90       14.10760  (21090306)                505171.98
3633075.90       14.21592  (21090306)
        505221.98   3633075.90       14.27345  (21090306)                502221.98
3633125.90       18.42647  (21011719)
        502271.98   3633125.90       18.04081  (21011719)                502321.98
3633125.90       17.60758  (21011719)
        502371.98   3633125.90       17.16819  (21011719)                502421.98
3633125.90       16.74858  (21011719)
        502471.98   3633125.90       16.24985  (21011719)                502521.98
3633125.90       15.78259  (21011719)
        502571.98   3633125.90       15.32693  (21011719)                502621.98
3633125.90       14.95601  (21012617)
        502671.98   3633125.90       14.98020  (21012617)                502721.98
3633125.90       14.94716  (21012617)
        502771.98   3633125.90       15.01051  (21012617)                502821.98
```

```
3633125.90       14.95503  (21012617)
        502871.98   3633125.90       15.17094  (21012617)                502921.98
3633125.90       15.63429  (20082303)
        502971.98   3633125.90       23.22418  (19022007)                503021.98
3633125.90       25.54539  (19022007)
        503071.98   3633125.90       23.61249  (19042006)                503121.98
3633125.90       23.61803  (20082303)
        503171.98   3633125.90       22.42619  (20082303)                503221.98
3633125.90       21.50981  (20082303)
        503271.98   3633125.90       23.65928  (20082303)                503321.98
3633125.90       24.19644  (20082303)
        503371.98   3633125.90       28.78112  (20081401)                503421.98
3633125.90       27.68676  (20081401)
        503471.98   3633125.90       27.41648  (20081401)                503621.98
3633125.90       30.96114  (20092821)
        503671.98   3633125.90       25.81786  (21121422)                503721.98
3633125.90       28.56374  (20092424)
        503771.98   3633125.90       20.57119  (19020919)                503821.98
3633125.90       19.16263  (20110218)
        503871.98   3633125.90       18.92614  (20102020)                503921.98
3633125.90       17.38222  (20090224)
        503971.98   3633125.90       20.02926  (20092620)                504021.98
3633125.90       20.38937  (20092620)
        504071.98   3633125.90       17.19306  (20041904)                504121.98
3633125.90       16.85311  (20100720)
        504171.98   3633125.90       16.50960  (20082024)                504221.98
3633125.90       15.99648  (20072505)
        504271.98   3633125.90       15.56399  (20102019)                504321.98
3633125.90       14.98470  (20011517)
        504371.98   3633125.90       15.02388  (19022319)                504421.98
3633125.90       15.32834  (19022319)
        504471.98   3633125.90       15.42014  (19022319)                504521.98
3633125.90       15.25111  (19022319)
        504571.98   3633125.90       14.83522  (19022319)                504621.98
3633125.90       14.60368  (19020918)
        504671.98   3633125.90       14.97192  (21032601)                504721.98
3633125.90       15.26200  (21032601)
        504771.98   3633125.90       15.41505  (21032601)                504821.98
3633125.90       15.40166  (21032601)
        504871.98   3633125.90       15.21442  (21032601)                504921.98
3633125.90       14.83116  (21032601)
        504971.98   3633125.90       14.29182  (21032601)                505021.98
3633125.90       13.58036  (21032601)
        505071.98   3633125.90       13.12354  (19120822)                505121.98
3633125.90       12.88879  (19030304)
        505171.98   3633125.90       12.70656  (19030304)                505221.98
3633125.90       12.50904  (19030304)
        502221.98   3633175.90       15.96487  (21011719)                502271.98
3633175.90       15.57389  (21011719)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

503421.98 3633175.90 24.07155 (20081401) 503471.98
3633175.90 22.97279 (20081401)
503621.98 3633175.90 22.64336 (20121721) 503671.98
3633175.90 22.01653 (21121422)
503721.98 3633175.90 21.13830 (20092424) 503771.98
3633175.90 18.50773 (20011620)
503821.98 3633175.90 16.92370 (21010717) 503871.98
3633175.90 16.49510 (20100802)
503921.98 3633175.90 17.03016 (20102020) 503971.98
3633175.90 15.35245 (20082301)
504021.98 3633175.90 15.97567 (20092620) 504071.98
3633175.90 17.94571 (20092620)
504121.98 3633175.90 17.28993 (20092620) 504171.98
3633175.90 15.02501 (20041904)
504221.98 3633175.90 14.84391 (20100720) 504271.98
3633175.90 14.69368 (20082024)
504321.98 3633175.90 14.32787 (20082024) 504371.98
3633175.90 13.85392 (20060920)
504421.98 3633175.90 13.50782 (19011917) 504471.98
3633175.90 13.14868 (20011517)
504521.98 3633175.90 13.44767 (19022319) 504571.98
3633175.90 13.65232 (19022319)
504621.98 3633175.90 13.71728 (19022319) 504671.98
3633175.90 13.61030 (19022319)
504721.98 3633175.90 13.32480 (19022319) 504771.98
3633175.90 13.03381 (19020918)
504821.98 3633175.90 13.25801 (21032601) 504871.98
3633175.90 13.54033 (21032601)
504921.98 3633175.90 14.10292 (20081806) 504971.98
3633175.90 13.83329 (21032601)
505021.98 3633175.90 13.81357 (21032601) 505071.98
3633175.90 13.65669 (21032601)
505121.98 3633175.90 13.37984 (21032601) 505171.98
3633175.90 12.97539 (21032601)
505221.98 3633175.90 12.88028 (20081806) 502221.98
3633225.90 13.94877 (21011719)
502271.98 3633225.90 13.62560 (21011719) 502321.98
3633225.90 13.25128 (21011719)
502371.98 3633225.90 12.97494 (21011719) 502421.98
3633225.90 12.62233 (21011719)
502471.98 3633225.90 12.62413 (21012617) 502521.98
3633225.90 12.74203 (21012617)
502571.98 3633225.90 12.79305 (21012617) 502621.98
3633225.90 12.84252 (21012617)
502671.98 3633225.90 12.86734 (21012617) 502721.98
3633225.90 12.92322 (21012617)
502771.98 3633225.90 12.88564 (21012617) 502821.98
3633225.90 12.86760 (21012617)
502871.98 3633225.90 12.81666 (21012617) 502921.98
3633225.90 12.73080 (21012617)

```
        502971.98   3633225.90       12.61200  (21012617)                503021.98
3633225.90       12.61637  (21012617)
        503071.98   3633225.90       12.39097  (21012617)                503121.98
3633225.90       12.12060  (21012617)
        503171.98   3633225.90       11.94145  (21012617)                503221.98
3633225.90       11.91077  (20082303)
        503271.98   3633225.90       14.98646  (21122106)                503321.98
3633225.90       16.90820  (20082303)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1032
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                 L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                 L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                 L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        503371.98   3633225.90       20.83074  (19042006)                503421.98
3633225.90       20.36048  (19042006)
        503471.98   3633225.90       18.58982  (19042006)                503621.98
3633225.90       19.70932  (20121721)
        503671.98   3633225.90       18.14698  (20082024)                503721.98
3633225.90       16.19118  (20082024)
        503771.98   3633225.90       15.82108  (20092424)                503821.98
3633225.90       16.24123  (19030801)
        503871.98   3633225.90       14.96147  (21010717)                503921.98
3633225.90       14.56119  (20100802)
        503971.98   3633225.90       15.27294  (20102020)                504021.98
3633225.90       13.59443  (20082301)
        504071.98   3633225.90       13.51497  (20041804)                504121.98
```

3633225.90 15.04905 (20092620)
504171.98 3633225.90 15.94605 (20092620) 504221.98
3633225.90 14.82745 (20092620)
504271.98 3633225.90 13.36713 (20041904) 504321.98
3633225.90 13.51861 (20082024)
504371.98 3633225.90 13.70875 (20082024) 504421.98
3633225.90 13.09513 (20082024)
504471.98 3633225.90 12.55317 (20060920) 504521.98
3633225.90 12.31980 (20060920)
504571.98 3633225.90 12.06134 (20011517) 504621.98
3633225.90 11.96341 (19022319)
504671.98 3633225.90 12.19029 (19022319) 504721.98
3633225.90 12.33870 (19022319)
504771.98 3633225.90 12.37925 (19022319) 504821.98
3633225.90 12.30003 (19022319)
504871.98 3633225.90 12.10727 (19022319) 504921.98
3633225.90 12.79353 (20081806)
504971.98 3633225.90 12.28170 (20081806) 505021.98
3633225.90 12.16236 (21032601)
505071.98 3633225.90 12.36270 (21032601) 505121.98
3633225.90 12.50463 (21032601)
505171.98 3633225.90 12.57300 (21032601) 505221.98
3633225.90 12.53506 (21032601)
502221.98 3633275.90 12.19039 (21011719) 502271.98
3633275.90 11.87810 (21011719)
502321.98 3633275.90 11.59638 (21011719) 502371.98
3633275.90 11.47612 (20011620)
502421.98 3633275.90 11.50668 (20011620) 502471.98
3633275.90 11.61661 (21012617)
502521.98 3633275.90 11.78107 (21012617) 502571.98
3633275.90 11.87459 (21012617)
502621.98 3633275.90 11.95328 (21012617) 502671.98
3633275.90 11.98607 (21012617)
502721.98 3633275.90 11.99971 (21012617) 502771.98
3633275.90 12.01778 (21012617)
502821.98 3633275.90 12.25419 (21012617) 502871.98
3633275.90 11.97036 (21012617)
502921.98 3633275.90 11.90007 (21012617) 502971.98
3633275.90 11.82101 (21012617)
503021.98 3633275.90 11.74524 (21012617) 503071.98
3633275.90 11.59561 (21012617)
503121.98 3633275.90 11.39700 (21012617) 503171.98
3633275.90 11.24473 (21012617)
503221.98 3633275.90 11.17473 (21012617) 503271.98
3633275.90 14.39702 (20010802)
503321.98 3633275.90 16.02869 (19022007) 503371.98
3633275.90 18.65308 (19022007)
503421.98 3633275.90 17.79941 (20010802) 503471.98
3633275.90 17.22597 (20082024)
503621.98 3633275.90 17.11246 (20082024) 503671.98

3633275.90   16.50029 (20082024)
        503721.98   3633275.90   14.50901 (20082024)   503771.98
3633275.90   12.71677 (19032022)
        503821.98   3633275.90   14.03775 (20011620)   503871.98
3633275.90   14.67679 (19030801)
        503921.98   3633275.90   13.40272 (21010717)   503971.98
3633275.90   12.94605 (20100802)
        504021.98   3633275.90   13.65778 (20102020)   504071.98
3633275.90   12.86590 (20082301)
        504121.98   3633275.90   13.23942 (20082301)   504171.98
3633275.90   12.93622 (20082302)
        504221.98   3633275.90   14.00837 (20092620)   504271.98
3633275.90   14.20761 (20092620)
        504321.98   3633275.90   13.32918 (20082106)   504371.98
3633275.90   13.64482 (20082106)
        504421.98   3633275.90   12.74552 (20082024)   504471.98
3633275.90   12.21393 (20082024)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):   L0000760   , L0000761 , L0000762   , L0000763   , L0000764   ,
                  L0000765   , L0000766   , L0000767   , L0000768   , L0000769 , L0000770   , L0000771   , L0000772   ,
                  L0000773   , L0000774   , L0000775   , L0000776   , L0000777 , L0000778   , L0000779   , L0000780   ,
                  L0000781   , L0000782   , L0000783   , L0000784   , L0000785 , L0000786   , L0000787   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

504721.98 3633275.90 10.90730 (20011517) 504771.98
3633275.90 11.01666 (19022319)
504821.98 3633275.90 11.22292 (19022319) 504871.98
3633275.90 11.47847 (19022319)
504921.98 3633275.90 11.80074 (19022319) 504971.98
3633275.90 11.48569 (19022319)
505021.98 3633275.90 11.16502 (19022319) 505071.98
3633275.90 10.98354 (20081806)
505121.98 3633275.90 10.93564 (20081806) 505171.98
3633275.90 11.05887 (21032601)
505221.98 3633275.90 11.22852 (21032601) 502221.98
3633325.90 10.91517 (21012023)
502271.98 3633325.90 10.68276 (21012023) 502321.98
3633325.90 10.54834 (21121424)
502371.98 3633325.90 10.63235 (20011620) 502421.98
3633325.90 10.70782 (20011620)
502471.98 3633325.90 10.71936 (20011620) 502521.98
3633325.90 10.80891 (21012617)
502571.98 3633325.90 10.99290 (21012617) 502621.98
3633325.90 11.11777 (21012617)
502671.98 3633325.90 11.18685 (21012617) 502721.98
3633325.90 11.22552 (21012617)
502771.98 3633325.90 11.26348 (21012617) 502821.98
3633325.90 11.25218 (21012617)
502871.98 3633325.90 11.20504 (21012617) 502921.98
3633325.90 11.16855 (21012617)
502971.98 3633325.90 11.12383 (21012617) 503021.98
3633325.90 11.06029 (21012617)
503071.98 3633325.90 10.94970 (21012617) 503121.98
3633325.90 10.80700 (21012617)
503171.98 3633325.90 10.66335 (21012617) 503221.98
3633325.90 10.52574 (21012617)
503271.98 3633325.90 14.09565 (20010802) 503321.98
3633325.90 15.95404 (20010802)
503371.98 3633325.90 17.45445 (20010802) 503421.98
3633325.90 17.14588 (19101219)
503471.98 3633325.90 14.21947 (20082024) 503621.98
3633325.90 15.14976 (20082024)
503671.98 3633325.90 14.60324 (20082024) 503721.98
3633325.90 12.61478 (20082024)
503771.98 3633325.90 11.69474 (20082024) 503821.98
3633325.90 11.84855 (20102224)
503871.98 3633325.90 13.33821 (20011620) 503921.98
3633325.90 13.28256 (19030801)
503971.98 3633325.90 13.01229 (19020919) 504021.98
3633325.90 12.02728 (20082024)
504071.98 3633325.90 12.31317 (20102020) 504121.98
3633325.90 13.48482 (20082301)
504171.98 3633325.90 12.54125 (20082301) 504221.98
3633325.90 11.25397 (20082302)

```
        504271.98   3633325.90       12.44550  (20082302)                504321.98
3633325.90       13.93278  (20082302)
        504371.98   3633325.90       14.20480  (21011602)                504421.98
3633325.90       13.03175  (20082106)
        504471.98   3633325.90       11.63155  (20082024)                504521.98
3633325.90       11.30106  (20082024)
        504571.98   3633325.90       11.32660  (20082024)                504621.98
3633325.90       11.44656  (20082024)
        504671.98   3633325.90       11.64325  (20082024)                504721.98
3633325.90       11.00862  (20082024)
        504771.98   3633325.90       10.29561  (19011917)                504821.98
3633325.90       10.14303  (20011517)
        504871.98   3633325.90       10.70563  (20082303)                504921.98
3633325.90       11.28364  (19022319)
        504971.98   3633325.90       11.09086  (19022319)                505021.98
3633325.90       10.95828  (19022319)
        505071.98   3633325.90       10.96628  (19022319)                505121.98
3633325.90       10.51019  (19022319)
        505171.98   3633325.90       10.28217  (19022319)                505221.98
3633325.90       10.15969  (19022319)
        502221.98   3633375.90       10.06240  (21121424)                502271.98
3633375.90        9.94913  (21121424)
        502321.98   3633375.90        9.79379  (21121424)                502371.98
3633375.90        9.83332  (20011620)
        502421.98   3633375.90        9.96561  (20011620)                502471.98
3633375.90       10.03301  (20011620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1034
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502521.98	3633375.90	10.07799	(20011620)	502571.98	3633375.90	10.10852	(21012617)
502621.98	3633375.90	10.30493	(21012617)	502671.98	3633375.90	10.43254	(21012617)
502721.98	3633375.90	10.51162	(21012617)	502771.98	3633375.90	10.55202	(21012617)
502821.98	3633375.90	10.56143	(21012617)	502871.98	3633375.90	10.54611	(21012617)
502921.98	3633375.90	10.52710	(21012617)	502971.98	3633375.90	10.49577	(21012617)
503021.98	3633375.90	10.45225	(21012617)	503071.98	3633375.90	10.37399	(21012617)
503121.98	3633375.90	10.27437	(21012617)	503171.98	3633375.90	10.15850	(21012617)
503221.98	3633375.90	10.05328	(21012617)	503271.98	3633375.90	9.92393	(21012617)
503321.98	3633375.90	9.92466	(21012617)	503371.98	3633375.90	16.18264	(20010802)
503421.98	3633375.90	14.97226	(20082106)	503471.98	3633375.90	14.59440	(20082106)
503621.98	3633375.90	13.88031	(20082024)	503671.98	3633375.90	13.37732	(20082024)
503721.98	3633375.90	12.10165	(20082024)	503771.98	3633375.90	11.59249	(20082024)
503821.98	3633375.90	11.59427	(20082024)	503871.98	3633375.90	11.57075	(20092424)
503921.98	3633375.90	13.05672	(20092424)	503971.98	3633375.90	13.11914	(20082024)
504021.98	3633375.90	12.91317	(19020919)	504071.98	3633375.90	11.92215	(20082024)
504121.98	3633375.90	12.64091	(20020306)	504171.98	3633375.90	11.77571	(20082301)
504221.98	3633375.90	11.98993	(20082301)	504271.98	3633375.90	12.57362	(20082301)
504321.98	3633375.90	14.09445	(20082302)	504371.98	3633375.90	15.06710	(20082302)
504421.98	3633375.90	13.24355	(20082302)	504471.98	3633375.90	11.64490	(20082106)
504521.98	3633375.90	10.94120	(20082106)	504571.98	3633375.90	11.05841	(20082024)
504621.98	3633375.90	11.65016	(20082024)	504671.98	3633375.90	12.45336	(20082024)
504721.98	3633375.90	11.68335	(20082024)	504771.98	3633375.90	10.72814	(20082024)
504821.98	3633375.90	10.75570	(20082024)	504871.98			

3633375.90   11.90917 (20082024)
        504921.98   3633375.90   11.54471 (20082024)   504971.98
3633375.90   10.91414 (20082303)
        505021.98   3633375.90   10.73371 (19022319)   505071.98
3633375.90   10.22513 (19022319)
        505121.98   3633375.90   9.81884 (19022319)   505171.98
3633375.90   9.77620 (19022319)
        505221.98   3633375.90   10.05487 (19022319)   502221.98
3633425.90   9.38693 (21121424)
        502271.98   3633425.90   9.23193 (21121424)   502321.98
3633425.90   9.04777 (21121424)
        502371.98   3633425.90   9.00255 (20011620)   502421.98
3633425.90   9.23075 (20011620)
        502471.98   3633425.90   9.42446 (20011620)   502521.98
3633425.90   9.48483 (20011620)
        502571.98   3633425.90   9.51134 (20011620)   502621.98
3633425.90   9.52827 (20011620)
        502671.98   3633425.90   9.66903 (21012617)   502721.98
3633425.90   9.79428 (21012617)
        502771.98   3633425.90   9.87851 (21012617)   502821.98
3633425.90   9.91878 (21012617)
        502871.98   3633425.90   9.93710 (21012617)   502921.98
3633425.90   9.94860 (21012617)
        502971.98   3633425.90   9.93276 (21012617)   503021.98
3633425.90   9.89644 (21012617)
        503071.98   3633425.90   9.85412 (21012617)   503121.98
3633425.90   9.76855 (21012617)
        503171.98   3633425.90   9.69790 (21012617)   503221.98
3633425.90   9.61224 (21012617)
        503271.98   3633425.90   9.51353 (21012617)   503321.98
3633425.90   9.59456 (21012617)
        503371.98   3633425.90   15.78496 (20082302)   503421.98
3633425.90   14.76500 (20082302)
        503471.98   3633425.90   14.59441 (20082302)   503621.98
3633425.90   14.92538 (21060422)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):   L0000760   , L0000761 , L0000762   , L0000763   , L0000764   ,
                  L0000765   , L0000766   , L0000767   , L0000768   , L0000769 , L0000770   , L0000771   , L0000772   ,
                  L0000773   , L0000774   , L0000775   , L0000776   , L0000777

, L0000778   , L0000779   , L0000780   ,
                L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503671.98   3633425.90   13.17469 (20082106)   503721.98
3633425.90   11.83223 (20082106)
        503771.98   3633425.90   11.25963 (20082024)   503821.98
3633425.90   11.43350 (20082024)
        503871.98   3633425.90   11.60854 (20092424)   503921.98
3633425.90   14.44070 (20092424)
        503971.98   3633425.90   14.49398 (20092424)   504021.98
3633425.90   12.60407 (20012121)
        504071.98   3633425.90   12.67702 (19020919)   504121.98
3633425.90   12.79977 (20082024)
        504171.98   3633425.90   11.78102 (20082024)   504221.98
3633425.90   12.56630 (20082301)
        504271.98   3633425.90   14.10402 (20082301)   504321.98
3633425.90   14.64730 (20082301)
        504371.98   3633425.90   13.89713 (20082302)   504421.98
3633425.90   13.12051 (20082302)
        504471.98   3633425.90   12.00212 (20082302)   504521.98
3633425.90   10.95821 (21011602)
        504571.98   3633425.90   11.43283 (20082106)   504621.98
3633425.90   12.33941 (20082106)
        504671.98   3633425.90   12.63158 (20082024)   504721.98
3633425.90   12.57673 (20082024)
        504771.98   3633425.90   11.89722 (20082024)   504821.98
3633425.90   11.62515 (20082024)
        504871.98   3633425.90   13.10996 (20082024)   504921.98
3633425.90   12.68404 (20082024)
        504971.98   3633425.90   11.88532 (20082024)   505021.98
3633425.90   10.18735 (20082024)
        505071.98   3633425.90   9.03577 (20082303)   505121.98
3633425.90   8.91099 (19022319)
        505171.98   3633425.90   9.06145 (19022319)   505221.98
3633425.90   9.72551 (19022319)
        502221.98   3633475.90   8.79643 (21121424)   502271.98
3633475.90   8.62932 (21121424)
        502321.98   3633475.90   8.54992 (21012024)   502371.98
3633475.90   8.53919 (21012024)

```
        502421.98   3633475.90        8.54413  (21012024)               502471.98
3633475.90        8.81266  (20011620)
        502521.98   3633475.90        8.89021  (20011620)               502571.98
3633475.90        8.94758  (20011620)
        502621.98   3633475.90        8.98794  (20011620)               502671.98
3633475.90        8.98814  (20011620)
        504771.98   3633475.90       13.24468  (20082024)               504821.98
3633475.90       13.41391  (20082024)
        504871.98   3633475.90       13.38878  (20082024)               504921.98
3633475.90       13.28267  (20082024)
        504971.98   3633475.90       12.38765  (20082024)               505021.98
3633475.90       10.64562  (20082024)
        505071.98   3633475.90        9.65108  (20082024)               505121.98
3633475.90        9.06595  (20082024)
        505171.98   3633475.90        8.68677  (20082024)               505221.98
3633475.90        9.20688  (20082303)
        502221.98   3633525.90        8.31677  (21012024)               502271.98
3633525.90        8.25234  (21012024)
        502321.98   3633525.90        8.19583  (21012024)               502371.98
3633525.90        8.22779  (21012024)
        502421.98   3633525.90        8.25688  (21012024)               502471.98
3633525.90        8.29375  (21012024)
        502521.98   3633525.90        8.31855  (20011620)               502571.98
3633525.90        8.37960  (20011620)
        502621.98   3633525.90        8.45380  (20011620)               502671.98
3633525.90        8.48482  (20011620)
        504771.98   3633525.90       12.76304  (20082106)               504821.98
3633525.90       12.60855  (20082024)
        504871.98   3633525.90       12.72680  (20082024)               504921.98
3633525.90       12.84370  (20082024)
        504971.98   3633525.90       12.84981  (20082024)               505021.98
3633525.90       11.96915  (20082024)
        505071.98   3633525.90       10.62688  (20082024)               505121.98
3633525.90        9.67780  (20082024)
        505171.98   3633525.90        9.51910  (20082024)               505221.98
3633525.90        9.81117  (20082024)
        502221.98   3633575.90        8.09983  (21012024)               502271.98
3633575.90        7.91119  (21012024)
        502321.98   3633575.90        7.85559  (21012024)               502371.98
3633575.90        7.89463  (21012024)
        502421.98   3633575.90        7.88560  (21012024)               502471.98
3633575.90        7.80402  (21012024)
        502521.98   3633575.90        7.71352  (20011620)               502571.98
3633575.90        7.87206  (20011620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633575.90	7.97534	(20011620)	502671.98	3633575.90	8.03258	(20011620)
504771.98	3633575.90	12.33634	(20082302)	504821.98	3633575.90	12.02941	(20082106)
504871.98	3633575.90	12.18233	(20082106)	504921.98	3633575.90	12.13021	(20082024)
504971.98	3633575.90	12.42478	(20082024)	505021.98	3633575.90	12.31341	(20082024)
505071.98	3633575.90	11.40627	(20082024)	505121.98	3633575.90	10.27722	(20082024)
505171.98	3633575.90	10.12589	(20082024)	505221.98	3633575.90	10.72226	(20082024)
502221.98	3633625.90	7.83754	(21012024)	502271.98	3633625.90	7.57646	(21012024)
502321.98	3633625.90	7.58106	(21012024)	502371.98	3633625.90	7.57883	(21012024)
502421.98	3633625.90	7.59135	(21012024)	502471.98	3633625.90	7.46988	(21012024)
502521.98	3633625.90	7.45863	(21012024)	502571.98	3633625.90	7.38325	(20011620)
502621.98	3633625.90	7.54052	(20011620)	502671.98	3633625.90	7.62469	(20011620)
504771.98	3633625.90	11.95794	(20082302)	504821.98	3633625.90	12.47990	(20082302)
504871.98	3633625.90	11.89268	(20082302)	504921.98	3633625.90	11.67457	(20082106)
504971.98	3633625.90	11.91425	(20082024)	505021.98			

3633625.90 11.98026 (20082024)
505071.98 3633625.90 11.34910 (20082024) 505121.98
3633625.90 10.63407 (20082024)
505171.98 3633625.90 10.41273 (20082024) 505221.98
3633625.90 11.08403 (20082024)
502221.98 3633675.90 7.44536 (21012024) 502271.98
3633675.90 7.26835 (21012024)
502321.98 3633675.90 7.27264 (21012024) 502371.98
3633675.90 7.23673 (21012024)
502421.98 3633675.90 7.27425 (21012024) 502471.98
3633675.90 7.22471 (21012024)
502521.98 3633675.90 7.19275 (21012024) 502571.98
3633675.90 7.12121 (21012024)
502621.98 3633675.90 7.05729 (20011620) 502671.98
3633675.90 7.19623 (20011620)
504771.98 3633675.90 11.40188 (20082302) 504821.98
3633675.90 11.92946 (20082302)
504871.98 3633675.90 12.16809 (20082302) 504921.98
3633675.90 12.07605 (20082302)
504971.98 3633675.90 11.60000 (20082302) 505021.98
3633675.90 11.45439 (20082024)
505071.98 3633675.90 10.97541 (20082024) 505121.98
3633675.90 10.21450 (20082024)
505171.98 3633675.90 10.19957 (20082024) 505221.98
3633675.90 10.86203 (20082024)
502221.98 3633725.90 7.11691 (21012024) 502271.98
3633725.90 6.98744 (21012024)
502321.98 3633725.90 7.01701 (21012024) 502371.98
3633725.90 7.00879 (21012024)
502421.98 3633725.90 6.99821 (21012024) 502471.98
3633725.90 6.97017 (21012024)
502521.98 3633725.90 6.93225 (21012024) 502571.98
3633725.90 6.87884 (21012024)
502621.98 3633725.90 6.81054 (21012024) 502671.98
3633725.90 6.75617 (20011620)
504771.98 3633725.90 10.81203 (20082302) 504821.98
3633725.90 11.10711 (20082302)
504871.98 3633725.90 11.54081 (20082302) 504921.98
3633725.90 11.76480 (20082302)
504971.98 3633725.90 11.74352 (20082302) 505021.98
3633725.90 11.29810 (20082302)
505071.98 3633725.90 10.19697 (20082106) 505121.98
3633725.90 9.62674 (20082106)
505171.98 3633725.90 9.93668 (20082024) 505221.98
3633725.90 10.43897 (20082024)
502221.98 3633775.90 6.85014 (21012024) 502271.98
3633775.90 6.74135 (21012024)
502321.98 3633775.90 6.82813 (21012024) 502371.98
3633775.90 6.79921 (21012024)
502421.98 3633775.90 6.80214 (21012024) 502471.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                  L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                  L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                  L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3633775.90   6.57534 (21012024)   502671.98
3633775.90   6.49033 (21012024)
        504771.98   3633775.90   10.08811 (20082302)   504821.98
3633775.90   10.34421 (20082302)
        504871.98   3633775.90   10.63371 (20082302)   504921.98
3633775.90   10.82535 (20082302)
        504971.98   3633775.90   11.05138 (20082302)   505021.98
3633775.90   10.89298 (20082302)
        505071.98   3633775.90   10.29398 (20082302)   505121.98
3633775.90   9.42127 (20082302)
        505171.98   3633775.90   9.55299 (20082106)   505221.98
3633775.90   9.95789 (20082024)
        502221.98   3633825.90   6.66918 (21012024)   502271.98
3633825.90   6.55313 (21012024)
        502321.98   3633825.90   6.58593 (21012024)   502371.98
3633825.90   6.58748 (21012024)
        502421.98   3633825.90   6.55978 (21012024)   502471.98
3633825.90   6.50753 (21012024)

```
        502521.98   3633825.90        6.47242  (21012024)               502571.98
3633825.90        6.44060  (21012024)
        502621.98   3633825.90        6.39612  (21012024)               502671.98
3633825.90        6.30908  (21012024)
        504771.98   3633825.90        9.64546  (20092620)               504821.98
3633825.90        9.68325  (20082302)
        504871.98   3633825.90        9.65456  (20082301)               504921.98
3633825.90        9.59151  (20082302)
        504971.98   3633825.90        9.79770  (20082302)               505021.98
3633825.90       10.04543  (20082302)
        505071.98   3633825.90        9.89385  (20082302)               505121.98
3633825.90        9.39765  (20082302)
        505171.98   3633825.90        9.53804  (20082302)               505221.98
3633825.90        9.62059  (20082302)
        502221.98   3633875.90        6.42340  (21012024)               502271.98
3633875.90        6.35089  (21012024)
        502321.98   3633875.90        6.40473  (21012024)               502371.98
3633875.90        6.35293  (21012024)
        502421.98   3633875.90        6.34403  (21012024)               502471.98
3633875.90        6.27718  (21012024)
        502521.98   3633875.90        6.26649  (21012024)               502571.98
3633875.90        6.25190  (21012024)
        502621.98   3633875.90        6.21008  (21012024)               502671.98
3633875.90        6.12726  (21012024)
        504771.98   3633875.90        9.63141  (19102623)               504821.98
3633875.90        9.18592  (20082302)
        504871.98   3633875.90        9.34935  (20082301)               504921.98
3633875.90        9.14830  (20082301)
        504971.98   3633875.90        8.76989  (20082302)               505021.98
3633875.90        8.82372  (20082302)
        505071.98   3633875.90        9.14314  (20082302)               505121.98
3633875.90        9.12088  (20082302)
        505171.98   3633875.90        9.50819  (20082302)               505221.98
3633875.90        9.79166  (20082302)
        502221.98   3633925.90        6.21935  (21012024)               502271.98
3633925.90        6.18598  (21012024)
        502321.98   3633925.90        6.20042  (21012024)               502371.98
3633925.90        6.14121  (21012024)
        502421.98   3633925.90        6.16696  (21012024)               502471.98
3633925.90        6.11236  (21012024)
        502521.98   3633925.90        6.08880  (21012024)               502571.98
3633925.90        6.05946  (21012024)
        502621.98   3633925.90        6.02095  (21012024)               502671.98
3633925.90        5.94668  (21012024)
        504771.98   3633925.90        9.40394  (19102623)               504821.98
3633925.90        9.20822  (19021605)
        504871.98   3633925.90        8.85482  (19021605)               504921.98
3633925.90        8.79928  (20082301)
        504971.98   3633925.90        8.48994  (20082301)               505021.98
3633925.90        8.26909  (20082301)
```

```
        505071.98   3633925.90        8.30210  (20082302)                505121.98
3633925.90        8.62667  (20082302)
        505171.98   3633925.90        9.12129  (20082302)                505221.98
3633925.90        9.50148  (20082302)
        502221.98   3633975.90        6.05022  (21012024)                502271.98
3633975.90        5.97186  (21012024)
        502321.98   3633975.90        5.97483  (21012024)                502371.98
3633975.90        5.99016  (21012024)
        502421.98   3633975.90        5.98552  (21012024)                502471.98
3633975.90        5.95410  (21012024)
        502521.98   3633975.90        5.93486  (21012024)                502571.98
3633975.90        5.88903  (21012024)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1038
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3633975.90        5.85329  (21012024)                502671.98
3633975.90        5.77664  (21012024)
        504771.98   3633975.90        8.76131  (20082302)                504821.98
3633975.90        8.87923  (20102020)
        504871.98   3633975.90        8.90085  (19021605)                504921.98
3633975.90        8.39661  (19021605)
        504971.98   3633975.90        8.13681  (20082301)                505021.98
3633975.90        8.01840  (20082301)
        505071.98   3633975.90        7.91860  (20082301)                505121.98
```

```
3633975.90        8.16709  (20082302)
        505171.98   3633975.90        8.63260  (20082302)                505221.98
3633975.90        8.99648  (20082302)
        502221.98   3634025.90        5.88424  (21012024)                502271.98
3634025.90        5.80244  (21012024)
        502321.98   3634025.90        5.79674  (21012024)                502371.98
3634025.90        5.81012  (21012024)
        502421.98   3634025.90        5.79777  (21012024)                502471.98
3634025.90        5.77533  (21012024)
        502521.98   3634025.90        5.74874  (21012024)                502571.98
3634025.90        5.71872  (21012024)
        502621.98   3634025.90        5.69287  (21012024)                502671.98
3634025.90        5.63641  (21012024)
        504771.98   3634025.90        8.48572  (20082302)                504821.98
3634025.90        8.53234  (20110218)
        504871.98   3634025.90        8.53030  (20020306)                504921.98
3634025.90        8.04425  (19021605)
        504971.98   3634025.90        7.46269  (20082301)                505021.98
3634025.90        7.52924  (20082301)
        505071.98   3634025.90        7.71880  (20082301)                505121.98
3634025.90        8.05962  (20082301)
        505171.98   3634025.90        8.23193  (20082302)                505221.98
3634025.90        8.51024  (20082302)
        502221.98   3634075.90        5.67765  (21012024)                502271.98
3634075.90        5.63805  (21012024)
        502321.98   3634075.90        5.62654  (21012024)                502371.98
3634075.90        5.60995  (21012024)
        502421.98   3634075.90        5.58223  (21012024)                502471.98
3634075.90        5.56555  (21012024)
        502521.98   3634075.90        5.55808  (21012024)                502571.98
3634075.90        5.56649  (21012024)
        502621.98   3634075.90        5.53200  (21012024)                502671.98
3634075.90        5.51068  (21012024)
        504771.98   3634075.90        8.31121  (20082302)                504821.98
3634075.90        8.22193  (20082302)
        504871.98   3634075.90        7.92027  (20020306)                504921.98
3634075.90        7.58778  (20020306)
        504971.98   3634075.90        7.08756  (20082106)                505021.98
3634075.90        7.07083  (20082301)
        505071.98   3634075.90        7.41005  (20082301)                505121.98
3634075.90        7.84634  (20082301)
        505171.98   3634075.90        8.04538  (20082301)                505221.98
3634075.90        8.15081  (20082302)
        502221.98   3634125.90        5.47449  (21012024)                502271.98
3634125.90        5.49189  (21012024)
        502321.98   3634125.90        5.46989  (21012024)                502371.98
3634125.90        5.47304  (21012024)
        502421.98   3634125.90        5.44946  (21012024)                502471.98
3634125.90        5.42272  (21012024)
        502521.98   3634125.90        5.38977  (21012024)                502571.98
```

3634125.90   5.35698 (21012024)
        502621.98   3634125.90   5.37529 (21012024)   502671.98
3634125.90   5.38039 (21012024)
        504771.98   3634125.90   8.00952 (19020919)   504821.98
3634125.90   7.70330 (20082302)
        504871.98   3634125.90   7.50208 (20082302)   504921.98
3634125.90   6.93062 (20082302)
        504971.98   3634125.90   6.87770 (20020306)   505021.98
3634125.90   6.82626 (20082106)
        505071.98   3634125.90   7.10760 (20082301)   505121.98
3634125.90   7.55560 (20082301)
        505171.98   3634125.90   7.80099 (20082301)   505221.98
3634125.90   7.90211 (20082302)
        502221.98   3634175.90   5.26476 (21012024)   502271.98
3634175.90   5.27480 (21012024)
        502321.98   3634175.90   5.25661 (21012024)   502371.98
3634175.90   5.36293 (21012024)
        502421.98   3634175.90   5.34117 (21012024)   502471.98
3634175.90   5.31234 (21012024)
        502521.98   3634175.90   5.26783 (21012024)   502571.98
3634175.90   5.23286 (21012024)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW   ***
                                   INCLUDING SOURCE(S):   L0000760   , L0000761 , L0000762   , L0000763   , L0000764   ,
                  L0000765   , L0000766   , L0000767   , L0000768   , L0000769 , L0000770   , L0000771   , L0000772   ,
                  L0000773   , L0000774   , L0000775   , L0000776   , L0000777 , L0000778   , L0000779   , L0000780   ,
                  L0000781   , L0000782   , L0000783   , L0000784   , L0000785 , L0000786   , L0000787   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        502621.98   3634175.90        5.19457  (21012024)               502671.98
3634175.90        5.17744  (21012024)
        504771.98   3634175.90        7.12324  (19020919)               504821.98
3634175.90        6.92553  (19020919)
        504871.98   3634175.90        6.78780  (20082302)               504921.98
3634175.90        6.78734  (20082302)
        504971.98   3634175.90        6.78815  (20082302)               505021.98
3634175.90        6.92989  (20082302)
        505071.98   3634175.90        6.95424  (20020306)               505121.98
3634175.90        7.44689  (19021605)
        505171.98   3634175.90        7.60172  (20082302)               505221.98
3634175.90        7.76335  (20082302)
        502221.98   3634225.90        5.14095  (21012024)               502271.98
3634225.90        5.12530  (21012024)
        502321.98   3634225.90        5.17396  (21012024)               502371.98
3634225.90        5.23195  (21012024)
        502421.98   3634225.90        5.22725  (21012024)               502471.98
3634225.90        5.20306  (21012024)
        502521.98   3634225.90        5.15498  (21012024)               502571.98
3634225.90        5.12585  (21012024)
        502621.98   3634225.90        5.08200  (21012024)               502671.98
3634225.90        5.04621  (21012024)
        504771.98   3634225.90        6.14375  (20082302)               504821.98
3634225.90        6.11394  (20082302)
        504871.98   3634225.90        6.48280  (20082302)               504921.98
3634225.90        6.58334  (20082302)
        504971.98   3634225.90        6.96609  (20082302)               505021.98
3634225.90        6.95848  (20082302)
        505071.98   3634225.90        6.95346  (20082302)               505121.98
3634225.90        7.29949  (20020306)
        505171.98   3634225.90        7.27620  (19021605)               505221.98
3634225.90        7.56918  (20082302)
        502221.98   3634275.90        5.02816  (21012024)               502271.98
3634275.90        5.01550  (21012024)
        502321.98   3634275.90        5.03855  (21012024)               502371.98
3634275.90        5.10477  (21012024)
        502421.98   3634275.90        5.09581  (21012024)               502471.98
3634275.90        5.07219  (21012024)
        502521.98   3634275.90        5.04688  (21012024)               502571.98
3634275.90        5.01082  (21012024)
        502621.98   3634275.90        4.98387  (21012024)               502671.98
3634275.90        4.94894  (21012024)
        504771.98   3634275.90        5.63632  (20082302)               504821.98
3634275.90        5.87425  (20082302)
        504871.98   3634275.90        6.32845  (19020919)               504921.98
3634275.90        6.68666  (19020919)
        504971.98   3634275.90        7.05190  (20082302)               505021.98
3634275.90        6.91343  (20082302)
        505071.98   3634275.90        6.93098  (20082302)               505121.98
3634275.90        7.19829  (20082302)
```

```
        505171.98   3634275.90        7.06700  (20020306)               505221.98
3634275.90        7.38418  (20082302)
        502221.98   3634325.90        4.93492  (21012024)               502271.98
3634325.90        4.93778  (21012024)
        502321.98   3634325.90        4.92970  (21012024)               502371.98
3634325.90        4.92009  (21012024)
        502421.98   3634325.90        4.90320  (21012024)               502471.98
3634325.90        4.87509  (21012024)
        502521.98   3634325.90        4.84891  (21012024)               502571.98
3634325.90        4.81660  (21012024)
        502621.98   3634325.90        4.77977  (21012024)               502671.98
3634325.90        4.74890  (21012024)
        504771.98   3634325.90        5.62285  (20082301)               504821.98
3634325.90        6.12032  (19020919)
        504871.98   3634325.90        6.58245  (19020919)               504921.98
3634325.90        7.03053  (19020919)
        504971.98   3634325.90        7.17723  (19020919)               505021.98
3634325.90        6.78034  (20082302)
        505071.98   3634325.90        6.82143  (20082302)               505121.98
3634325.90        7.15361  (20082302)
        505171.98   3634325.90        7.05825  (20082302)               505221.98
3634325.90        7.17821  (20082302)
        502221.98   3634375.90        4.86462  (21012024)               502271.98
3634375.90        4.86550  (21012024)
        502321.98   3634375.90        4.83033  (21012024)               502371.98
3634375.90        4.79802  (21012024)
        502421.98   3634375.90        4.81045  (21012024)               502471.98
3634375.90        4.81833  (21012024)
        502521.98   3634375.90        4.83536  (21012024)               502571.98
3634375.90        4.80881  (21012024)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1040
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634375.90	4.73379	(21012024)	502671.98	3634375.90	4.63565	(21012024)
504771.98	3634375.90	5.79738	(20082301)	504821.98	3634375.90	6.29130	(19020919)
504871.98	3634375.90	6.63894	(19020919)	504921.98	3634375.90	6.99722	(19020919)
504971.98	3634375.90	7.11413	(19020919)	505021.98	3634375.90	6.83745	(19020919)
505071.98	3634375.90	6.71426	(20082302)	505121.98	3634375.90	7.05096	(20082302)
505171.98	3634375.90	7.03238	(20082302)	505221.98	3634375.90	7.03601	(20082302)
502221.98	3634425.90	4.81621	(21012024)	502271.98	3634425.90	4.82073	(21012024)
502321.98	3634425.90	4.81057	(21012024)	502371.98	3634425.90	4.79789	(21012024)
502421.98	3634425.90	4.78796	(21012024)	502471.98	3634425.90	4.76152	(21012024)
502521.98	3634425.90	4.74545	(21012024)	502571.98	3634425.90	4.71713	(21012024)
502621.98	3634425.90	4.68644	(21012024)	502671.98	3634425.90	4.64543	(21012024)
504771.98	3634425.90	6.21585	(20092424)	504821.98	3634425.90	6.03527	(20082301)
504871.98	3634425.90	6.51955	(19020919)	504921.98	3634425.90	6.67941	(19020919)
504971.98	3634425.90	6.89491	(19020919)	505021.98	3634425.90	6.97259	(19020919)
505071.98	3634425.90	6.92995	(19020919)	505121.98	3634425.90	6.86740	(20082302)
505171.98	3634425.90	6.90228	(20082302)	505221.98	3634425.90	6.91523	(20082302)
502221.98	3634475.90	4.72159	(21012024)	502271.98	3634475.90	4.72110	(21012024)
502321.98	3634475.90	4.71480	(21012024)	502371.98	3634475.90	4.70572	(21012024)
502421.98	3634475.90	4.69258	(21012024)	502471.98	3634475.90	4.67098	(21012024)
502521.98	3634475.90	4.65746	(21012024)	502571.98	3634475.90	4.63272	(21012024)
502621.98	3634475.90	4.60196	(21012024)	502671.98			

```
3634475.90        4.56746  (21012024)
        504771.98   3634475.90        6.49908  (20092424)                504821.98
3634475.90        6.23321  (20092424)
        504871.98   3634475.90        6.50688  (19030801)                504921.98
3634475.90        7.54264  (21122618)
        504971.98   3634475.90        6.94495  (21122618)                505021.98
3634475.90        6.46543  (19020919)
        505071.98   3634475.90        6.60005  (20092620)                505121.98
3634475.90        6.72134  (20092620)
        505171.98   3634475.90        6.73713  (20092620)                505221.98
3634475.90        6.72326  (20082302)
        502221.98   3634525.90        4.63259  (21012024)                502271.98
3634525.90        4.62604  (21012024)
        502321.98   3634525.90        4.61941  (21012024)                502371.98
3634525.90        4.61264  (21012024)
        502421.98   3634525.90        4.59891  (21012024)                502471.98
3634525.90        4.58406  (21012024)
        502521.98   3634525.90        4.56311  (21012024)                502571.98
3634525.90        4.54395  (21012024)
        502621.98   3634525.90        4.51862  (21012024)                502671.98
3634525.90        4.50354  (21012024)
        504771.98   3634525.90        6.69217  (20092424)                504821.98
3634525.90        6.52541  (20092424)
        504871.98   3634525.90        6.58978  (19030801)                504921.98
3634525.90        7.26233  (21122618)
        504971.98   3634525.90        5.96385  (21121421)                505021.98
3634525.90        6.39653  (21122618)
        505071.98   3634525.90        6.89147  (21122618)                505121.98
3634525.90        6.35794  (20092620)
        505171.98   3634525.90        6.43360  (20092620)                505221.98
3634525.90        6.41883  (20092620)
        502221.98   3634575.90        4.56008  (21012024)                502271.98
3634575.90        4.53716  (21012024)
        502321.98   3634575.90        4.52647  (21012024)                502371.98
3634575.90        4.51820  (21012024)
        502421.98   3634575.90        4.50858  (21012024)                502471.98
3634575.90        4.49736  (21012024)
        502521.98   3634575.90        4.47886  (21012024)                502571.98
3634575.90        4.45906  (21012024)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1041
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
```

```
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
        502621.98   3634575.90        4.43660  (21012024)                502671.98
3634575.90        4.41976  (21012024)
        504771.98   3634575.90        6.72729  (21090701)                504821.98
3634575.90        6.65336  (20011620)
        504871.98   3634575.90        6.75712  (21122618)                504921.98
3634575.90        6.11791  (19102623)
        504971.98   3634575.90        6.02995  (19102623)                505021.98
3634575.90        5.82535  (20082301)
        505071.98   3634575.90        6.97182  (21122618)                505121.98
3634575.90        6.62845  (21122618)
        505171.98   3634575.90        6.44222  (19020919)                505221.98
3634575.90        6.43612  (19020919)
        502221.98   3634625.90        4.47687  (21012024)                502271.98
3634625.90        4.46833  (21012024)
        502321.98   3634625.90        4.43906  (21012024)                502371.98
3634625.90        4.42943  (21012024)
        502421.98   3634625.90        4.41802  (21012024)                502471.98
3634625.90        4.40707  (21012024)
        502521.98   3634625.90        4.40604  (21012024)                502571.98
3634625.90        4.38643  (21012024)
        502621.98   3634625.90        4.36581  (21012024)                502671.98
3634625.90        4.33737  (21012024)
        504771.98   3634625.90        6.11711  (19102623)                504821.98
3634625.90        5.88475  (19102623)
        504871.98   3634625.90        5.63807  (19102623)                504921.98
3634625.90        5.54557  (19102623)
        504971.98   3634625.90        5.99538  (19102623)                505021.98
3634625.90        5.72224  (20082301)
        505071.98   3634625.90        7.13358  (21122618)                505121.98
3634625.90        6.71170  (21122618)
        505171.98   3634625.90        6.30979  (19020919)                505221.98
3634625.90        6.32545  (19020919)
```

```
        502221.98   3634675.90        4.38526  (21012024)               502271.98
3634675.90        4.39287  (21012024)
        502321.98   3634675.90        4.38992  (21012024)               502371.98
3634675.90        4.37681  (21012024)
        502421.98   3634675.90        4.36824  (21012024)               502471.98
3634675.90        4.35616  (21012024)
        502521.98   3634675.90        4.33964  (21012024)               502571.98
3634675.90        4.32441  (21012024)
        502621.98   3634675.90        4.30348  (21012024)               502671.98
3634675.90        4.26908  (21012024)
        504771.98   3634675.90        4.41286  (21012617)               504821.98
3634675.90        4.41631  (21012617)
        504871.98   3634675.90        5.80871  (19102623)               504921.98
3634675.90        5.62532  (19102623)
        504971.98   3634675.90        5.92934  (19102623)               505021.98
3634675.90        5.70421  (19021605)
        505071.98   3634675.90        6.85440  (21122618)               505121.98
3634675.90        6.43766  (21122618)
        505171.98   3634675.90        6.08405  (21010717)               505221.98
3634675.90        6.13844  (19020919)
        502221.98   3634725.90        4.30587  (21012024)               502271.98
3634725.90        4.30839  (21012024)
        502321.98   3634725.90        4.29074  (21012024)               502371.98
3634725.90        4.28296  (21012024)
        502421.98   3634725.90        4.28822  (21012024)               502471.98
3634725.90        4.28055  (21012024)
        502521.98   3634725.90        4.26076  (21012024)               502571.98
3634725.90        4.25061  (21012024)
        502621.98   3634725.90        4.22876  (21012024)               502671.98
3634725.90        4.21006  (21012024)
        504771.98   3634725.90        4.30454  (21012617)               504821.98
3634725.90        4.35385  (21012617)
        504871.98   3634725.90        4.87351  (19102623)               504921.98
3634725.90        5.79012  (19102623)
        504971.98   3634725.90        5.74003  (19102623)               505021.98
3634725.90        6.49110  (21122618)
        505071.98   3634725.90        6.21473  (21122618)               505121.98
3634725.90        5.96100  (19030801)
        505171.98   3634725.90        5.80184  (19020919)               505221.98
3634725.90        5.88415  (19020919)
        502221.98   3634775.90        4.24627  (21012024)               502271.98
3634775.90        4.24952  (21012024)
        502321.98   3634775.90        4.21859  (21012024)               502371.98
3634775.90        4.20492  (21012024)
        502421.98   3634775.90        4.19230  (21012024)               502471.98
3634775.90        4.18474  (21012024)
        502521.98   3634775.90        4.19594  (21012024)               502571.98
3634775.90        4.17632  (21012024)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):   L0000760   , L0000761 , L0000762   , L0000763   , L0000764   ,
                 L0000765   , L0000766   , L0000767   , L0000768   , L0000769 , L0000770   , L0000771   , L0000772   ,
                 L0000773   , L0000774   , L0000775   , L0000776   , L0000777 , L0000778   , L0000779   , L0000780   ,
                 L0000781   , L0000782   , L0000783   , L0000784   , L0000785 , L0000786   , L0000787   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3634825.90        4.37035  (21012617)
        504871.98   3634825.90        5.75194  (19102623)                504921.98
3634825.90        5.65205  (20102020)
        504971.98   3634825.90        5.91776  (20011620)                505021.98
3634825.90        5.82461  (20092424)
        505071.98   3634825.90        5.63459  (20092424)                505121.98
3634825.90        5.57428  (19030801)
        505171.98   3634825.90        5.22113  (19020919)                505221.98
3634825.90        5.21036  (19020919)
        502221.98   3634875.90        4.12924  (21012024)                502271.98
3634875.90        4.10957  (21012024)
        502321.98   3634875.90        4.10124  (21012024)                502371.98
3634875.90        4.09648  (21012024)
        502421.98   3634875.90        4.08740  (21012024)                502471.98
3634875.90        4.07527  (21012024)
        502521.98   3634875.90        4.06132  (21012024)                502571.98
3634875.90        4.04645  (21012024)
        502621.98   3634875.90        4.03016  (21012024)                502671.98
3634875.90        4.01151  (21012024)
        504771.98   3634875.90        4.02175  (21012617)                504821.98
3634875.90        4.05690  (21012617)
        504871.98   3634875.90        5.73906  (19102623)                504921.98
3634875.90        5.71489  (20102020)
        504971.98   3634875.90        5.68239  (20011620)                505021.98
3634875.90        5.72246  (20092424)
        505071.98   3634875.90        5.54649  (20092424)                505121.98
3634875.90        5.38924  (20092424)
        505171.98   3634875.90        4.93683  (20092424)                505221.98
3634875.90        5.01604  (19020919)
        502221.98   3634925.90        4.06219  (21012024)                502271.98
3634925.90        4.04436  (21012024)
        502321.98   3634925.90        4.03901  (21012024)                502371.98
3634925.90        4.03136  (21012024)
        502421.98   3634925.90        4.02370  (21012024)                502471.98
3634925.90        4.00681  (21012024)
        502521.98   3634925.90        3.99724  (21012024)                502571.98
3634925.90        3.98216  (21012024)
        502621.98   3634925.90        3.96174  (21012024)                502671.98
3634925.90        3.94795  (21012024)
        504771.98   3634925.90        3.92829  (21012617)                504821.98
3634925.90        3.97052  (21012617)
        504871.98   3634925.90        5.08951  (19102623)                504921.98
3634925.90        5.45043  (20102020)
        504971.98   3634925.90        5.49367  (20011620)                505021.98
3634925.90        5.58692  (20092424)
        505071.98   3634925.90        5.45585  (20092424)                505121.98
3634925.90        5.41515  (20092424)
        505171.98   3634925.90        5.14418  (20092424)                505221.98
3634925.90        4.88394  (19020919)
        502221.98   3634975.90        3.99772  (21012024)                502271.98
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634975.90	3.90002	(21012024)	502671.98	3634975.90	3.88153	(21012024)
504821.98	3634975.90	3.87421	(21012617)	504871.98	3634975.90	4.24392	(21012617)
504921.98	3634975.90	5.47716	(19102623)	504971.98	3634975.90	5.40216	(20102020)
505021.98	3634975.90	5.42896	(20092424)	505071.98	3634975.90	5.45946	(20092424)
505121.98	3634975.90	5.50533	(20092424)	505171.98	3634975.90	5.37817	(20092424)
505221.98	3634975.90	5.08825	(20092424)	502221.98	3635025.90	3.93560	(21012024)
502271.98	3635025.90	3.92131	(21012024)	502321.98	3635025.90	3.91429	(21012024)

```
        502371.98   3635025.90        3.90562  (21012024)               502421.98
3635025.90        3.90061  (21012024)
        502471.98   3635025.90        3.89041  (21012024)               502521.98
3635025.90        3.88015  (21012024)
        502571.98   3635025.90        3.86359  (21012024)               502621.98
3635025.90        3.84578  (21012024)
        502671.98   3635025.90        3.82243  (21012024)               504871.98
3635025.90        4.09772  (21012617)
        504921.98   3635025.90        5.45043  (19102623)               504971.98
3635025.90        5.32806  (20110218)
        505021.98   3635025.90        5.19849  (20092424)               505071.98
3635025.90        5.35346  (20092424)
        505121.98   3635025.90        5.46963  (20011620)               505171.98
3635025.90        5.54930  (20011620)
        505221.98   3635025.90        5.40547  (20011620)               502221.98
3635075.90        3.87031  (21012024)
        502271.98   3635075.90        3.85964  (21012024)               502321.98
3635075.90        3.86204  (21012024)
        502371.98   3635075.90        3.85356  (21012024)               502421.98
3635075.90        3.85007  (21012024)
        502471.98   3635075.90        3.84241  (21012024)               502521.98
3635075.90        3.83006  (21012024)
        502571.98   3635075.90        3.81231  (21012024)               502621.98
3635075.90        3.78978  (21012024)
        502671.98   3635075.90        3.77030  (21012024)               504921.98
3635075.90        4.35937  (21012617)
        504971.98   3635075.90        5.03926  (21012617)               505021.98
3635075.90        5.19131  (20110218)
        505071.98   3635075.90        5.21009  (20110218)               505121.98
3635075.90        5.52003  (21090701)
        505171.98   3635075.90        5.38593  (20102020)               505221.98
3635075.90        5.47267  (21090701)
        502221.98   3635125.90        3.81456  (21012024)               502271.98
3635125.90        3.80253  (21012024)
        502321.98   3635125.90        3.80563  (21012024)               502371.98
3635125.90        3.80089  (21012024)
        502421.98   3635125.90        3.79604  (21012024)               502471.98
3635125.90        3.79097  (21012024)
        502521.98   3635125.90        3.77767  (21012024)               502571.98
3635125.90        3.76045  (21012024)
        502621.98   3635125.90        3.74188  (21012024)               502671.98
3635125.90        3.71876  (21012024)
        505021.98   3635125.90        4.94363  (19102623)               505071.98
3635125.90        5.02149  (21012617)
        505121.98   3635125.90        5.11569  (19102623)               505171.98
3635125.90        5.22514  (19102623)
        505221.98   3635125.90        5.05390  (20102020)               502221.98
3635175.90        3.76037  (21012024)
        502271.98   3635175.90        3.75058  (21012024)               502321.98
3635175.90        3.75266  (21012024)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502371.98	3635175.90	3.75042	(21012024)	502421.98	3635175.90	3.74639	(21012024)
502471.98	3635175.90	3.74087	(21012024)	502521.98	3635175.90	3.73214	(21012024)
502571.98	3635175.90	3.71499	(21012024)	502621.98	3635175.90	3.69273	(21012024)
502671.98	3635175.90	3.67440	(21012024)	505121.98	3635175.90	3.83159	(21012617)
505171.98	3635175.90	3.87669	(21012617)	505221.98	3635175.90	4.74379	(19102623)
502221.98	3635225.90	3.70594	(21012024)	502271.98	3635225.90	3.70186	(21012024)
502321.98	3635225.90	3.69924	(21012024)	502371.98	3635225.90	3.69662	(21012024)
502421.98	3635225.90	3.69298	(21012024)	502471.98	3635225.90	3.68710	(21012024)
502521.98	3635225.90	3.67716	(21012024)	502571.98	3635225.90	3.66324	(21012024)
502621.98	3635225.90	3.64863	(21012024)	502671.98	3635225.90	3.62810	(21012024)
502221.98	3635275.90	3.65553	(21012024)	502271.98			

3635275.90 3.65037 (21012024)
502321.98 3635275.90 3.65119 (21012024) 502371.98
3635275.90 3.64929 (21012024)
502421.98 3635275.90 3.64503 (21012024) 502471.98
3635275.90 3.63985 (21012024)
502521.98 3635275.90 3.63596 (21012024) 502571.98
3635275.90 3.62004 (21012024)
502621.98 3635275.90 3.60508 (21012024) 502671.98
3635275.90 3.58928 (21012024)
502221.98 3635325.90 3.60457 (21012024) 502271.98
3635325.90 3.60140 (21012024)
502321.98 3635325.90 3.60146 (21012024) 502371.98
3635325.90 3.60077 (21012024)
502421.98 3635325.90 3.59881 (21012024) 502471.98
3635325.90 3.59450 (21012024)
502521.98 3635325.90 3.58738 (21012024) 502571.98
3635325.90 3.57424 (21012024)
502621.98 3635325.90 3.56168 (21012024) 502671.98
3635325.90 3.54816 (21012024)
502221.98 3635375.90 3.55447 (21012024) 502271.98
3635375.90 3.55298 (21012024)
502321.98 3635375.90 3.55296 (21012024) 502371.98
3635375.90 3.58070 (21012024)
502421.98 3635375.90 3.57932 (21012024) 502471.98
3635375.90 3.59300 (21012024)
502521.98 3635375.90 3.53822 (21012024) 502571.98
3635375.90 3.52887 (21012024)
502621.98 3635375.90 3.51786 (21012024) 502671.98
3635375.90 3.50386 (21012024)
502221.98 3635425.90 3.53526 (21012024) 502271.98
3635425.90 3.50533 (21012024)
502321.98 3635425.90 3.50499 (21012024) 502371.98
3635425.90 3.53188 (21012024)
502421.98 3635425.90 3.53005 (21012024) 502471.98
3635425.90 3.54618 (21012024)
502521.98 3635425.90 3.50765 (21012024) 502571.98
3635425.90 3.49026 (21012024)
502621.98 3635425.90 3.47453 (21012024) 502671.98
3635425.90 3.46196 (21012024)
504771.98 3635425.90 3.09138 (20011620) 502221.98
3635475.90 3.48866 (21012024)
502271.98 3635475.90 3.48191 (21012024) 502321.98
3635475.90 3.48717 (21012024)
502371.98 3635475.90 3.51561 (21012024) 502421.98
3635475.90 3.51359 (21012024)
502471.98 3635475.90 3.46700 (21012024) 502521.98
3635475.90 3.47677 (21012024)
502571.98 3635475.90 3.44585 (21012024) 502621.98
3635475.90 3.43021 (21012024)
502671.98 3635475.90 3.41702 (21012024) 504771.98

```
3635475.90        3.07175  (20011620)
        504821.98   3635475.90        3.04998  (20011620)                504871.98
3635475.90        3.07296  (20011620)
        504921.98   3635475.90        3.07142  (20011620)                502221.98
3635525.90        3.65565  (21012024)
        502271.98   3635525.90        3.45969  (21012024)                502321.98
3635525.90        3.47102  (21012024)
        502371.98   3635525.90        3.47157  (21012024)                502421.98
3635525.90        3.47060  (21012024)
        502471.98   3635525.90        3.42301  (21012024)                502521.98
3635525.90        3.43449  (21012024)
        502571.98   3635525.90        3.41223  (21012024)                502621.98
3635525.90        3.37876  (21012024)
        502671.98   3635525.90        3.34910  (21012024)                502721.98
3635525.90        3.33516  (21012024)
        502771.98   3635525.90        3.32933  (21012024)                502821.98
3635525.90        3.32480  (21012024)
        502871.98   3635525.90        3.32408  (21012024)                502921.98
3635525.90        3.46286  (21013118)
        502971.98   3635525.90        3.54879  (21013118)                503021.98
3635525.90        3.45635  (21013118)
        503071.98   3635525.90        3.26145  (21012024)                503121.98
3635525.90        3.19342  (21012024)
        503171.98   3635525.90        3.12008  (21012024)                503221.98
3635525.90        3.02702  (21012024)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1045
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                  INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635525.90	3.03615	(21013118)	503321.98	3635525.90	3.05112	(21013118)
503371.98	3635525.90	3.09966	(21013118)	503421.98	3635525.90	3.05963	(21013118)
503471.98	3635525.90	3.10461	(20092821)	503521.98	3635525.90	3.49195	(19022602)
503571.98	3635525.90	2.97440	(21013118)	503621.98	3635525.90	2.95634	(21013118)
503671.98	3635525.90	2.94259	(21013118)	503721.98	3635525.90	2.93846	(21013118)
503771.98	3635525.90	2.92911	(21013118)	503821.98	3635525.90	2.91069	(21013118)
503871.98	3635525.90	2.92413	(21013118)	503921.98	3635525.90	2.92542	(21013118)
503971.98	3635525.90	2.92696	(21013118)	504021.98	3635525.90	2.93647	(21013118)
504071.98	3635525.90	2.92471	(21013118)	504121.98	3635525.90	2.90150	(21013118)
504171.98	3635525.90	2.85805	(21013118)	504221.98	3635525.90	2.77726	(21013118)
504271.98	3635525.90	2.66994	(21013118)	504321.98	3635525.90	2.73197	(20011620)
504371.98	3635525.90	2.79653	(20011620)	504421.98	3635525.90	2.84990	(20011620)
504471.98	3635525.90	2.89269	(20011620)	504521.98	3635525.90	2.92659	(20011620)
504571.98	3635525.90	2.95340	(20011620)	504621.98	3635525.90	2.97275	(20011620)
504671.98	3635525.90	2.98646	(20011620)	504721.98	3635525.90	3.01903	(20011620)
504771.98	3635525.90	3.02557	(20011620)	504821.98	3635525.90	3.03060	(20011620)
504871.98	3635525.90	3.05416	(20011620)	504921.98	3635525.90	3.00952	(20011620)
504971.98	3635525.90	3.03092	(20011620)	505021.98	3635525.90	3.05171	(20011620)
505071.98	3635525.90	3.04722	(20011620)	505121.98	3635525.90	3.04133	(20011620)
505171.98	3635525.90	3.02715	(20011620)	505221.98	3635525.90	3.03304	(21012617)
502221.98	3635575.90	3.75641	(21012024)	502271.98	3635575.90	3.42279	(21012024)
502321.98	3635575.90	3.42839	(21012024)	502371.98	3635575.90	3.41795	(21012024)
502421.98	3635575.90	3.37353	(21012024)	502471.98	3635575.90	3.36709	(21012024)

```
        502521.98   3635575.90        3.37857  (21012024)                502571.98
3635575.90        3.34977  (21012024)
        502621.98   3635575.90        3.32111  (21012024)                502671.98
3635575.90        3.34806  (20092001)
        502721.98   3635575.90        3.61947  (20092001)                502771.98
3635575.90        3.35550  (20092001)
        502821.98   3635575.90        3.28181  (21012024)                502871.98
3635575.90        3.33174  (21013118)
        502921.98   3635575.90        3.52897  (21013118)                502971.98
3635575.90        3.73720  (21013118)
        503021.98   3635575.90        3.82360  (21013118)                503071.98
3635575.90        3.22005  (21012024)
        503121.98   3635575.90        3.14673  (21012024)                503171.98
3635575.90        3.07019  (21012024)
        503221.98   3635575.90        3.57648  (21013118)                503271.98
3635575.90        4.07977  (20121721)
        503321.98   3635575.90        3.99664  (20121721)                503371.98
3635575.90        4.11480  (20092821)
        503421.98   3635575.90        4.06842  (20092821)                503471.98
3635575.90        4.48146  (20092821)
        503521.98   3635575.90        4.42331  (19022602)                503571.98
3635575.90        3.89911  (19022602)
        503621.98   3635575.90        2.91925  (21013118)                503671.98
3635575.90        2.92471  (21013118)
        503721.98   3635575.90        2.90673  (21013118)                503771.98
3635575.90        2.88701  (21013118)
        503821.98   3635575.90        2.88696  (21013118)                503871.98
3635575.90        2.88162  (21013118)
        503921.98   3635575.90        2.88254  (21013118)                503971.98
3635575.90        2.88566  (21013118)
        504021.98   3635575.90        2.89162  (21013118)                504071.98
3635575.90        2.88541  (21013118)
        504121.98   3635575.90        2.86865  (21013118)                504171.98
3635575.90        2.83202  (21013118)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1046
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
```

L0000781 , L0000782 , L0000783 , L0000784 , L0000785
, L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504221.98	3635575.90	2.76595	(21013118)	504271.98	3635575.90	2.66323	(21013118)
504321.98	3635575.90	2.62228	(20011620)	504371.98	3635575.90	2.69653	(20011620)
504421.98	3635575.90	2.75910	(20011620)	504471.98	3635575.90	2.81037	(20011620)
504521.98	3635575.90	2.85241	(20011620)	504571.98	3635575.90	2.88515	(20011620)
504621.98	3635575.90	2.91140	(20011620)	504671.98	3635575.90	2.93029	(20011620)
504721.98	3635575.90	2.94399	(20011620)	504771.98	3635575.90	2.97559	(20011620)
504821.98	3635575.90	2.98489	(20011620)	504871.98	3635575.90	2.98768	(20011620)
504921.98	3635575.90	2.96601	(20011620)	504971.98	3635575.90	2.99020	(20011620)
505021.98	3635575.90	3.01183	(20011620)	505071.98	3635575.90	3.01023	(20011620)
505121.98	3635575.90	3.23145	(21012617)	505171.98	3635575.90	2.99866	(20011620)
505221.98	3635575.90	3.04117	(21012617)	502221.98	3635625.90	3.98566	(21061222)
502271.98	3635625.90	3.52953	(21012024)	502321.98	3635625.90	3.41848	(21012024)
502371.98	3635625.90	3.35802	(21012024)	502421.98	3635625.90	4.11978	(19122420)
502471.98	3635625.90	4.25937	(19122420)	502521.98	3635625.90	4.19147	(19122420)
502571.98	3635625.90	3.37479	(19122420)	502621.98	3635625.90	3.27781	(21012024)
502671.98	3635625.90	3.45208	(20092001)	502721.98	3635625.90	3.87279	(20092001)
502771.98	3635625.90	3.86088	(20092001)	502821.98	3635625.90	3.96626	(21060422)
502871.98	3635625.90	4.18733	(21060422)	502921.98	3635625.90	4.26461	(21060422)
502971.98	3635625.90	4.28043	(21060422)	503021.98			

```
3635625.90        4.23025  (21060422)
        503071.98   3635625.90        4.25951  (21013118)                503121.98
3635625.90        4.29655  (19012903)
        503171.98   3635625.90        4.54348  (20121721)                503221.98
3635625.90        4.74120  (20121721)
        503271.98   3635625.90        4.76329  (20121721)                503321.98
3635625.90        4.74570  (20121721)
        503371.98   3635625.90        4.54229  (20121721)                503421.98
3635625.90        4.52497  (20092821)
        503471.98   3635625.90        4.64722  (20092821)                503521.98
3635625.90        4.60628  (20092821)
        503571.98   3635625.90        4.43535  (19022602)                503621.98
3635625.90        3.75757  (19022602)
        503671.98   3635625.90        3.50626  (19022602)                503721.98
3635625.90        3.27709  (19022602)
        503771.98   3635625.90        3.05320  (21121422)                503821.98
3635625.90        2.87792  (21121422)
        503871.98   3635625.90        2.84821  (21013118)                503921.98
3635625.90        2.85026  (21013118)
        503971.98   3635625.90        2.85138  (21013118)                504021.98
3635625.90        2.85456  (21013118)
        504071.98   3635625.90        2.84891  (21013118)                504121.98
3635625.90        2.83527  (21013118)
        504171.98   3635625.90        2.80429  (21013118)                504221.98
3635625.90        2.74984  (21013118)
        504271.98   3635625.90        2.66205  (21013118)                504321.98
3635625.90        2.53499  (21013118)
        504371.98   3635625.90        2.59048  (20011620)                504421.98
3635625.90        2.66234  (20011620)
        504471.98   3635625.90        2.72261  (20011620)                504521.98
3635625.90        2.77268  (20011620)
        504571.98   3635625.90        2.81290  (20011620)                504621.98
3635625.90        2.84539  (20011620)
        504671.98   3635625.90        2.87018  (20011620)                504721.98
3635625.90        2.88915  (20011620)
        504771.98   3635625.90        2.92338  (20011620)                504821.98
3635625.90        2.93603  (20011620)
        504871.98   3635625.90        2.94202  (20011620)                504921.98
3635625.90        2.92284  (20011620)
        504971.98   3635625.90        2.94981  (20011620)                505021.98
3635625.90        2.92925  (20011620)
        505071.98   3635625.90        2.93197  (20011620)                505121.98
3635625.90        2.97021  (20011620)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505171.98	3635625.90	2.96328	(20011620)	505221.98	3635625.90	2.95625	(20011620)
502221.98	3635675.90	4.34612	(19122420)	502271.98	3635675.90	3.98999	(19122420)
502321.98	3635675.90	4.14377	(19122420)	502371.98	3635675.90	4.12723	(19122420)
502421.98	3635675.90	4.41525	(19122420)	502471.98	3635675.90	4.43260	(19122420)
502521.98	3635675.90	4.34768	(19122420)	502571.98	3635675.90	3.93083	(19122420)
502621.98	3635675.90	3.47281	(19122420)	502671.98	3635675.90	3.60023	(20092001)
502721.98	3635675.90	4.07508	(20092001)	502771.98	3635675.90	4.47344	(20092001)
502821.98	3635675.90	4.47922	(20092001)	502871.98	3635675.90	4.55492	(21060422)
502921.98	3635675.90	4.46730	(21060422)	502971.98	3635675.90	4.49156	(21060422)
503021.98	3635675.90	4.40154	(21060422)	503071.98	3635675.90	4.40772	(21060422)
503121.98	3635675.90	4.41232	(21013118)	503171.98	3635675.90	4.41728	(21013118)
503221.98	3635675.90	4.47163	(20121721)	503271.98	3635675.90	4.50934	(20121721)
503321.98	3635675.90	4.48611	(20121721)	503371.98	3635675.90	4.54097	(20121721)
503421.98	3635675.90	4.60516	(20121721)	503471.98	3635675.90	4.55895	(20121721)

```
        503521.98   3635675.90        4.52001  (20121721)              503571.98
3635675.90        4.51008  (19022602)
        503621.98   3635675.90        4.25039  (19022602)              503671.98
3635675.90        3.90094  (19022602)
        503721.98   3635675.90        3.98560  (19022602)              503771.98
3635675.90        3.83944  (19022602)
        503821.98   3635675.90        3.33628  (21121422)              503871.98
3635675.90        2.79197  (21013118)
        503921.98   3635675.90        2.96905  (21121422)              503971.98
3635675.90        2.80188  (21013118)
        504021.98   3635675.90        2.81710  (21013118)              504071.98
3635675.90        2.81530  (21013118)
        504121.98   3635675.90        2.80220  (21013118)              504171.98
3635675.90        2.77581  (21013118)
        504221.98   3635675.90        2.72825  (21013118)              504271.98
3635675.90        2.65279  (21013118)
        504321.98   3635675.90        2.54186  (21013118)              504371.98
3635675.90        2.47923  (20011620)
        504421.98   3635675.90        2.55961  (20011620)              504471.98
3635675.90        2.62912  (20011620)
        504521.98   3635675.90        2.68785  (20011620)              504571.98
3635675.90        2.73589  (20011620)
        504621.98   3635675.90        2.77574  (20011620)              504671.98
3635675.90        2.80667  (20011620)
        504721.98   3635675.90        2.83084  (20011620)              504771.98
3635675.90        2.89217  (20011620)
        504821.98   3635675.90        2.88475  (20011620)              504871.98
3635675.90        2.89467  (20011620)
        504921.98   3635675.90        2.87915  (20011620)              504971.98
3635675.90        2.90823  (20011620)
        505021.98   3635675.90        2.90920  (20011620)              505071.98
3635675.90        2.89137  (20011620)
        505121.98   3635675.90        2.93370  (20011620)              505171.98
3635675.90        2.93042  (20011620)
        505221.98   3635675.90        2.92316  (20011620)              502221.98
3635725.90        4.28442  (19122420)
        502271.98   3635725.90        4.25966  (19122420)              502321.98
3635725.90        4.18536  (19122420)
        502371.98   3635725.90        4.12552  (19122420)              502421.98
3635725.90        4.45343  (19122420)
        502471.98   3635725.90        4.46777  (19122420)              502521.98
3635725.90        4.50523  (19122420)
        502571.98   3635725.90        4.01495  (19122420)              502621.98
3635725.90        3.56165  (19122420)
        502671.98   3635725.90        3.84068  (20092001)              502721.98
3635725.90        4.18918  (20092001)
        502771.98   3635725.90        4.48256  (20092001)              502821.98
3635725.90        4.48236  (20092001)
        502871.98   3635725.90        4.48999  (21060422)              502921.98
3635725.90        4.24864  (20092001)
```

```
        502971.98   3635725.90        4.26172  (21013118)                503021.98
3635725.90        4.32985  (21013118)
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1048
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                 INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
        503071.98   3635725.90        4.35600  (21013118)                503121.98
3635725.90        4.36312  (21013118)
        503171.98   3635725.90        4.36441  (21013118)                503221.98
3635725.90        4.37338  (21013118)
        503271.98   3635725.90        4.36097  (21013118)                503321.98
3635725.90        4.35098  (21013118)
        503371.98   3635725.90        4.32077  (21013118)                503421.98
3635725.90        4.43796  (20121721)
        503471.98   3635725.90        4.48295  (20121721)                503521.98
3635725.90        4.47256  (20121721)
        503571.98   3635725.90        4.44246  (20092821)                503621.98
3635725.90        4.42461  (19022602)
        503671.98   3635725.90        4.10832  (19022602)                503721.98
3635725.90        4.27661  (19022602)
        503771.98   3635725.90        4.11536  (19022602)                503821.98
3635725.90        3.55258  (21121422)
        503871.98   3635725.90        2.90225  (21121422)                503921.98
3635725.90        3.08752  (21121422)
        503971.98   3635725.90        2.92164  (21121422)                504021.98
```

```
3635725.90        2.78009  (21013118)
        504071.98   3635725.90        2.78043  (21013118)                504121.98
3635725.90        2.77132  (21013118)
        504171.98   3635725.90        2.74915  (21013118)                504221.98
3635725.90        2.71020  (21013118)
        504271.98   3635725.90        2.64346  (21013118)                504321.98
3635725.90        2.54282  (21013118)
        504371.98   3635725.90        2.41131  (21013118)                504421.98
3635725.90        2.45211  (20011620)
        504471.98   3635725.90        2.53009  (20011620)                504521.98
3635725.90        2.59715  (20011620)
        504571.98   3635725.90        2.65357  (20011620)                504621.98
3635725.90        2.70070  (20011620)
        504671.98   3635725.90        2.73908  (20011620)                504721.98
3635725.90        2.76911  (20011620)
        504771.98   3635725.90        2.79275  (20011620)                504821.98
3635725.90        2.81127  (20011620)
        504871.98   3635725.90        2.82436  (20011620)                504921.98
3635725.90        2.83409  (20011620)
        504971.98   3635725.90        2.86516  (20011620)                505021.98
3635725.90        2.89282  (20011620)
        505071.98   3635725.90        2.87100  (20011620)                505121.98
3635725.90        2.89737  (20011620)
        505171.98   3635725.90        2.89552  (20011620)                505221.98
3635725.90        2.89042  (20011620)
        502221.98   3635775.90        4.16366  (19122420)                502271.98
3635775.90        4.27438  (19122420)
        502321.98   3635775.90        4.28310  (19122420)                502371.98
3635775.90        4.20750  (19122420)
        502421.98   3635775.90        4.44156  (19122420)                502471.98
3635775.90        4.49112  (19122420)
        502521.98   3635775.90        4.50319  (19122420)                502571.98
3635775.90        4.37845  (19122420)
        502621.98   3635775.90        4.18834  (19122420)                502671.98
3635775.90        4.21268  (20092001)
        502721.98   3635775.90        4.21993  (20092001)                502771.98
3635775.90        4.34182  (20092001)
        502821.98   3635775.90        4.43056  (20092001)                502871.98
3635775.90        4.39631  (21060422)
        502921.98   3635775.90        4.22978  (19122420)                502971.98
3635775.90        4.24742  (19122420)
        503021.98   3635775.90        4.33708  (19122420)                503071.98
3635775.90        4.30760  (19122420)
        503121.98   3635775.90        4.29893  (21013118)                503171.98
3635775.90        4.31186  (21013118)
        503221.98   3635775.90        4.20411  (21013118)                503271.98
3635775.90        4.14131  (21013118)
        503321.98   3635775.90        4.20688  (21013118)                503371.98
3635775.90        4.29554  (21013118)
        503421.98   3635775.90        4.26179  (21013118)                503471.98
```

3635775.90 4.20036 (20121721)
  503521.98 3635775.90 4.19441 (21013118) 503571.98
3635775.90 4.36008 (20121721)
  503621.98 3635775.90 4.38973 (20092821) 503671.98
3635775.90 4.40916 (19022602)
  503721.98 3635775.90 4.21625 (19022602) 503771.98
3635775.90 4.24405 (19022602)
  503821.98 3635775.90 3.93331 (19022602) 503871.98
3635775.90 3.94674 (21121422)
  503921.98 3635775.90 4.32981 (21121422) 503971.98
3635775.90 4.02383 (21121422)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504021.98	3635775.90	2.73996	(21013118)	504071.98	3635775.90	2.73340	(21013118)
504121.98	3635775.90	2.73969	(21013118)	504171.98	3635775.90	2.72197	(21013118)
504221.98	3635775.90	2.68903	(21013118)	504271.98	3635775.90	2.63136	(21013118)
504321.98	3635775.90	2.54203	(21013118)	504371.98	3635775.90	2.42239	(21013118)
504421.98	3635775.90	2.33995	(20011620)	504471.98	3635775.90	2.42588	(20011620)

```
        504521.98   3635775.90        2.50107  (20011620)               504571.98
3635775.90        2.56568  (20011620)
        504621.98   3635775.90        2.62059  (20011620)               504671.98
3635775.90        2.66610  (20011620)
        504721.98   3635775.90        2.70309  (20011620)               504771.98
3635775.90        2.73283  (20011620)
        504821.98   3635775.90        2.75604  (20011620)               504871.98
3635775.90        2.77383  (20011620)
        504921.98   3635775.90        2.78719  (20011620)               504971.98
3635775.90        2.82107  (20011620)
        505021.98   3635775.90        2.85155  (20011620)               505071.98
3635775.90        2.83158  (20011620)
        505121.98   3635775.90        2.85711  (20011620)               505171.98
3635775.90        2.85885  (20011620)
        505221.98   3635775.90        2.85774  (20011620)               502221.98
3635825.90        4.02645  (19122420)
        502271.98   3635825.90        4.24107  (19122420)               502321.98
3635825.90        4.29306  (19122420)
        502371.98   3635825.90        4.20908  (19122420)               502421.98
3635825.90        4.42728  (19122420)
        502471.98   3635825.90        4.45897  (19122420)               502521.98
3635825.90        4.47006  (19122420)
        502571.98   3635825.90        4.41241  (19122420)               502621.98
3635825.90        4.27330  (19122420)
        502671.98   3635825.90        4.18832  (20092001)               502721.98
3635825.90        4.33238  (20092001)
        502771.98   3635825.90        4.37473  (20092001)               502821.98
3635825.90        4.37836  (20092001)
        502871.98   3635825.90        4.30843  (20092001)               502921.98
3635825.90        4.27347  (19122420)
        502971.98   3635825.90        4.24035  (19122420)               503021.98
3635825.90        4.18286  (21013118)
        503071.98   3635825.90        4.18619  (21013118)               503121.98
3635825.90        4.21721  (19122420)
        503171.98   3635825.90        4.23691  (21013118)               503221.98
3635825.90        4.06242  (21013118)
        503271.98   3635825.90        4.04076  (21013118)               503321.98
3635825.90        4.11280  (21013118)
        503371.98   3635825.90        4.23982  (21013118)               503421.98
3635825.90        4.25006  (21013118)
        503471.98   3635825.90        4.20941  (21013118)               503521.98
3635825.90        4.18861  (21013118)
        503571.98   3635825.90        4.20088  (21013118)               503621.98
3635825.90        4.07369  (21013118)
        503671.98   3635825.90        4.32429  (20092821)               503721.98
3635825.90        4.38285  (19022602)
        503771.98   3635825.90        4.29673  (19022602)               503821.98
3635825.90        4.23691  (19022602)
        503871.98   3635825.90        4.07398  (19022602)               503921.98
3635825.90        4.28629  (21121422)
```

```
        503971.98   3635825.90        4.37810  (21121422)               504021.98
3635825.90        2.94623  (21121422)
        504071.98   3635825.90        3.72837  (21121422)               504121.98
3635825.90        3.32721  (21121422)
        504171.98   3635825.90        2.68048  (21013118)               504221.98
3635825.90        2.65624  (21013118)
        504271.98   3635825.90        2.60325  (21013118)               504321.98
3635825.90        2.53604  (21013118)
        504371.98   3635825.90        2.43051  (21013118)               504421.98
3635825.90        2.29106  (21013118)
        504471.98   3635825.90        2.31609  (20011620)               504521.98
3635825.90        2.40025  (20011620)
        504571.98   3635825.90        2.47478  (20011620)               504621.98
3635825.90        2.53954  (20011620)
        504671.98   3635825.90        2.58834  (20011620)               504721.98
3635825.90        2.63229  (20011620)
        504771.98   3635825.90        2.66842  (20011620)               504821.98
3635825.90        2.69762  (20011620)
        504871.98   3635825.90        2.72053  (20011620)               504921.98
3635825.90        2.73805  (20011620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1050
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        504971.98   3635825.90        2.77211  (20011620)               505021.98
```

```
3635825.90        2.78406  (20011620)
        505071.98   3635825.90        2.81316  (20011620)                505121.98
3635825.90        2.81709  (20011620)
        505171.98   3635825.90        2.82270  (20011620)                505221.98
3635825.90        2.82396  (20011620)
        502221.98   3635875.90        4.01216  (19072223)                502271.98
3635875.90        4.17785  (19122420)
        502321.98   3635875.90        4.21470  (19122420)                502371.98
3635875.90        4.22062  (19122420)
        502421.98   3635875.90        4.38438  (19122420)                502471.98
3635875.90        4.41501  (19122420)
        502521.98   3635875.90        4.41347  (19122420)                502571.98
3635875.90        4.39563  (19122420)
        502621.98   3635875.90        4.35573  (19122420)                502671.98
3635875.90        4.29105  (20092001)
        502721.98   3635875.90        4.32859  (20092001)                502771.98
3635875.90        4.34302  (20092001)
        502821.98   3635875.90        4.28690  (20092001)                502871.98
3635875.90        4.19163  (20092001)
        502921.98   3635875.90        4.14801  (19122420)                502971.98
3635875.90        4.20797  (19122420)
        503021.98   3635875.90        4.09803  (21013118)                503071.98
3635875.90        4.10650  (21013118)
        503121.98   3635875.90        4.12616  (21013118)                503171.98
3635875.90        4.15889  (21013118)
        503221.98   3635875.90        4.11779  (21013118)                503271.98
3635875.90        4.05708  (21013118)
        503321.98   3635875.90        4.15740  (21013118)                503371.98
3635875.90        4.17648  (21013118)
        503421.98   3635875.90        4.20471  (21013118)                503471.98
3635875.90        4.19883  (21013118)
        503521.98   3635875.90        4.12950  (19122420)                503571.98
3635875.90        4.15137  (21013118)
        503621.98   3635875.90        4.03994  (21013118)                503671.98
3635875.90        4.27625  (20092821)
        503721.98   3635875.90        4.29853  (19022602)                503771.98
3635875.90        4.31881  (19022602)
        503821.98   3635875.90        4.31736  (19022602)                503871.98
3635875.90        4.28100  (21121422)
        503921.98   3635875.90        4.34607  (21121422)                503971.98
3635875.90        4.37055  (21121422)
        504021.98   3635875.90        3.86771  (21121422)                504071.98
3635875.90        4.23444  (21121422)
        504121.98   3635875.90        3.96900  (21121422)                504171.98
3635875.90        3.37485  (21121422)
        504221.98   3635875.90        3.35262  (21121422)                504271.98
3635875.90        3.20879  (21061321)
        504321.98   3635875.90        2.51560  (21013118)                504371.98
3635875.90        2.42387  (21013118)
        504421.98   3635875.90        2.38593  (20011620)                504471.98
```

```
3635875.90        2.20024  (20011620)
        504521.98   3635875.90        2.29260  (20011620)                504571.98
3635875.90        2.37578  (20011620)
        504621.98   3635875.90        2.44762  (20011620)                504671.98
3635875.90        2.51046  (20011620)
        504721.98   3635875.90        2.55686  (20011620)                504771.98
3635875.90        2.59977  (20011620)
        504821.98   3635875.90        2.63511  (20011620)                504871.98
3635875.90        2.66342  (20011620)
        504921.98   3635875.90        2.68585  (20011620)                504971.98
3635875.90        2.72409  (20011620)
        505021.98   3635875.90        2.73742  (20011620)                505071.98
3635875.90        2.74771  (20011620)
        505121.98   3635875.90        2.77667  (20011620)                505171.98
3635875.90        2.78358  (20011620)
        505221.98   3635875.90        2.78885  (20011620)                502221.98
3635925.90        4.01178  (19072223)
        502271.98   3635925.90        4.11394  (19122420)                502321.98
3635925.90        4.21518  (19122420)
        502371.98   3635925.90        4.21694  (19122420)                502421.98
3635925.90        4.33318  (19122420)
        502471.98   3635925.90        4.35712  (19122420)                502521.98
3635925.90        4.32623  (19122420)
        502571.98   3635925.90        4.32964  (19122420)                502621.98
3635925.90        4.30860  (19122420)
        502671.98   3635925.90        4.27073  (19122420)                502721.98
3635925.90        4.23877  (20092001)
        502771.98   3635925.90        4.25706  (20092001)                502821.98
3635925.90        4.17166  (19122420)
```


*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW   ***
INCLUDING SOURCE(S):   L0000760   , L0000761 , L0000762   , L0000763   , L0000764   ,
L0000765   , L0000766   , L0000767   , L0000768   , L0000769 , L0000770   , L0000771   , L0000772   ,
L0000773   , L0000774   , L0000775   , L0000776   , L0000777 , L0000778   , L0000779   , L0000780   ,
L0000781   , L0000782   , L0000783   , L0000784   , L0000785 , L0000786   , L0000787   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502871.98	3635925.90	4.11177	(19122420)	502921.98	3635925.90	4.02364	(19122420)
502971.98	3635925.90	4.05731	(19122420)	503021.98	3635925.90	4.02217	(21013118)
503071.98	3635925.90	4.02854	(21013118)	503121.98	3635925.90	4.05026	(21013118)
503171.98	3635925.90	4.06292	(21013118)	503221.98	3635925.90	4.04210	(21013118)
503271.98	3635925.90	4.05490	(21013118)	503321.98	3635925.90	4.10025	(21013118)
503371.98	3635925.90	4.13162	(21013118)	503421.98	3635925.90	4.14887	(21013118)
503471.98	3635925.90	4.05669	(21013118)	503521.98	3635925.90	4.05936	(19122420)
503571.98	3635925.90	4.07737	(21013118)	503621.98	3635925.90	3.94968	(20121721)
503671.98	3635925.90	4.20481	(20121721)	503721.98	3635925.90	4.17246	(20092821)
503771.98	3635925.90	4.21041	(19022602)	503821.98	3635925.90	4.25012	(19022602)
503871.98	3635925.90	4.24908	(19022602)	503921.98	3635925.90	4.24232	(21121422)
503971.98	3635925.90	4.32204	(21121422)	504021.98	3635925.90	4.23592	(21121422)
504071.98	3635925.90	4.27832	(21121422)	504121.98	3635925.90	4.26013	(21121422)
504171.98	3635925.90	4.17404	(21121422)	504221.98	3635925.90	4.07790	(21121422)
504271.98	3635925.90	3.77315	(21121422)	504321.98	3635925.90	3.24878	(21061321)
504371.98	3635925.90	3.19842	(21061321)	504421.98	3635925.90	3.09450	(21061321)
504471.98	3635925.90	2.70282	(20011620)	504521.98	3635925.90	2.62048	(20011620)
504571.98	3635925.90	2.34434	(20011620)	504621.98	3635925.90	2.35113	(20011620)
504671.98	3635925.90	2.42371	(20011620)	504721.98	3635925.90	2.48218	(20011620)
504771.98	3635925.90	2.52667	(20011620)	504821.98	3635925.90	2.56819	(20011620)
504871.98	3635925.90	2.60248	(20011620)	504921.98	3635925.90	2.63018	(20011620)

```
        504971.98   3635925.90        2.68809  (20011620)               505021.98
3635925.90        2.71146  (20011620)
        505071.98   3635925.90        2.72804  (20011620)               505121.98
3635925.90        2.73590  (20011620)
        505171.98   3635925.90        2.74388  (20011620)               505221.98
3635925.90        2.84195  (20011620)
        502221.98   3635975.90        4.02023  (19072223)               502271.98
3635975.90        3.96062  (19122420)
        502321.98   3635975.90        4.12004  (19122420)               502371.98
3635975.90        4.22462  (19122420)
        502421.98   3635975.90        4.26664  (19122420)               502471.98
3635975.90        4.28387  (19122420)
        502521.98   3635975.90        4.23763  (19122420)               502571.98
3635975.90        4.27921  (19122420)
        502621.98   3635975.90        4.25766  (19122420)               502671.98
3635975.90        4.22884  (19122420)
        502721.98   3635975.90        4.21831  (19122420)               502771.98
3635975.90        4.20518  (19122420)
        502821.98   3635975.90        4.15450  (19122420)               502871.98
3635975.90        4.11246  (19122420)
        502921.98   3635975.90        3.93834  (19122420)               502971.98
3635975.90        3.97798  (19122420)
        503021.98   3635975.90        3.95285  (21013118)               503071.98
3635975.90        3.98592  (21013118)
        503121.98   3635975.90        3.98790  (21013118)               503171.98
3635975.90        3.99730  (21013118)
        503221.98   3635975.90        3.99840  (21013118)               503271.98
3635975.90        4.03441  (21013118)
        503321.98   3635975.90        4.06097  (21013118)               503371.98
3635975.90        4.11125  (21013118)
        503421.98   3635975.90        4.01263  (21013118)               503471.98
3635975.90        3.94861  (19122420)
        503521.98   3635975.90        3.97926  (21013118)               503571.98
3635975.90        4.09471  (21013118)
        503621.98   3635975.90        3.91397  (20121721)               503671.98
3635975.90        4.09031  (20121721)
        503721.98   3635975.90        4.11029  (20121721)               503771.98
3635975.90        4.12401  (20092821)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1052
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
```

```
                L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        503821.98   3635975.90        4.13895  (19022602)               503871.98
3635975.90        4.20171  (19022602)
        503921.98   3635975.90        4.16955  (19022602)               503971.98
3635975.90        4.22246  (21121422)
        504021.98   3635975.90        4.28092  (21121422)               504071.98
3635975.90        4.28325  (21121422)
        504121.98   3635975.90        4.25293  (21121422)               504171.98
3635975.90        4.20133  (21121422)
        504221.98   3635975.90        4.18290  (21121422)               504271.98
3635975.90        4.03173  (21121422)
        504321.98   3635975.90        3.75975  (21121422)               504371.98
3635975.90        3.72427  (21061321)
        504421.98   3635975.90        3.71617  (21061321)               504471.98
3635975.90        3.55050  (21061321)
        504521.98   3635975.90        3.29853  (21061321)               504571.98
3635975.90        3.15294  (21090701)
        504621.98   3635975.90        3.26092  (21090701)               504671.98
3635975.90        2.97820  (20011620)
        504721.98   3635975.90        2.91169  (20011620)               504771.98
3635975.90        2.55023  (20011620)
        504821.98   3635975.90        2.50590  (20011620)               504871.98
3635975.90        2.54824  (20011620)
        504921.98   3635975.90        2.57098  (20011620)               504971.98
3635975.90        2.63015  (20011620)
        505021.98   3635975.90        2.65829  (20011620)               505071.98
3635975.90        2.68011  (20011620)
        505121.98   3635975.90        2.69456  (20011620)               505171.98
3635975.90        2.70605  (20011620)
        505221.98   3635975.90        2.71142  (20011620)               501721.98
3632475.90       19.31537  (21012320)
        501821.98   3632475.90       19.28480  (21012320)               501921.98
3632475.90       19.14877  (21012320)
        502021.98   3632475.90       20.65354  (20081805)               502121.98
```

```
3632475.90       21.94701  (20081805)
        502221.98   3632475.90       22.43877  (20081603)                502321.98
3632475.90       22.78188  (20081603)
        502421.98   3632475.90       22.96404  (20081603)                502521.98
3632475.90       23.04535  (20081603)
        502621.98   3632475.90       23.18758  (20081603)                502721.98
3632475.90       23.47466  (21020221)
        502821.98   3632475.90       23.95140  (21020221)                502921.98
3632475.90       24.27910  (19011606)
        503021.98   3632475.90       25.50746  (21010422)                503121.98
3632475.90       33.00972  (20090623)
        503221.98   3632475.90       28.77105  (21022220)                503321.98
3632475.90       38.37574  (20080102)
        503421.98   3632475.90       38.74103  (20080102)                503721.98
3632475.90       37.03708  (20020703)
        503821.98   3632475.90       31.92108  (21121518)                503921.98
3632475.90       27.41411  (21121518)
        504021.98   3632475.90       23.88816  (21122121)                504121.98
3632475.90       23.78698  (20121803)
        504221.98   3632475.90       23.40327  (20121803)                504321.98
3632475.90       22.97235  (21122201)
        504421.98   3632475.90       22.37496  (21122201)                504521.98
3632475.90       22.83214  (19021906)
        504621.98   3632475.90       21.00997  (19021906)                504721.98
3632475.90       20.20549  (20031603)
        504821.98   3632475.90       19.70312  (20031603)                504921.98
3632475.90       19.02225  (20031603)
        505021.98   3632475.90       18.69841  (20013123)                505121.98
3632475.90       18.25899  (20013123)
        505221.98   3632475.90       17.71402  (20013123)                505321.98
3632475.90       16.97830  (20013123)
        505421.98   3632475.90       16.17022  (20013123)                505521.98
3632475.90       15.50693  (21121920)
        505621.98   3632475.90       15.13402  (21121920)                505721.98
3632475.90       14.54671  (21121920)
        501721.98   3632575.90       26.57265  (21012320)                501821.98
3632575.90       26.73451  (21012320)
        501921.98   3632575.90       28.75701  (20081805)                502021.98
3632575.90       30.57634  (20081603)
        502121.98   3632575.90       31.61702  (20081603)                502221.98
3632575.90       31.97787  (20081603)
        502321.98   3632575.90       32.31760  (20081603)                502421.98
3632575.90       32.51281  (20081603)
        502521.98   3632575.90       32.74631  (19011606)                502621.98
3632575.90       33.17294  (21010422)
        502721.98   3632575.90       34.03177  (21010422)                502821.98
3632575.90       34.73093  (21022220)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502921.98	3632575.90	35.79072	(21022220)	503021.98	3632575.90	37.95334	(21022220)
503121.98	3632575.90	40.47307	(21022220)	503221.98	3632575.90	43.20800	(20122520)
503321.98	3632575.90	48.00125	(20121803)	503421.98	3632575.90	53.42537	(20121803)
503721.98	3632575.90	53.36545	(21122201)	503821.98	3632575.90	42.27700	(19102022)
503921.98	3632575.90	33.70675	(19021906)	504021.98	3632575.90	32.67986	(20031603)
504121.98	3632575.90	31.99361	(20013123)	504221.98	3632575.90	31.13483	(20013123)
504321.98	3632575.90	29.68939	(20013123)	504421.98	3632575.90	27.83566	(20013123)
504521.98	3632575.90	25.59564	(21121920)	504621.98	3632575.90	24.60189	(21121920)
504721.98	3632575.90	23.52768	(21121920)	504821.98	3632575.90	22.73782	(21013019)
504921.98	3632575.90	21.99357	(21013019)	505021.98	3632575.90	21.11069	(21013019)
505121.98	3632575.90	20.17658	(21013019)	505221.98	3632575.90	19.19912	(21013019)
505321.98	3632575.90	18.21479	(21013019)	505421.98	3632575.90	17.24738	(21013019)

505521.98 3632575.90 16.28367 (21013019) 505621.98
3632575.90 15.28419 (21013019)
505721.98 3632575.90 14.48716 (20101201) 501721.98
3632675.90 47.60650 (19083104)
501821.98 3632675.90 48.91749 (19083104) 501921.98
3632675.90 52.48455 (20081603)
502021.98 3632675.90 55.84226 (20081603) 502121.98
3632675.90 57.17517 (20081603)
502221.98 3632675.90 57.37155 (20081603) 502321.98
3632675.90 57.77505 (20081603)
502421.98 3632675.90 58.52918 (21022220) 502521.98
3632675.90 59.67631 (20122520)
502621.98 3632675.90 62.09302 (20122520) 502721.98
3632675.90 64.11946 (20121803)
502821.98 3632675.90 70.86330 (20121803) 502921.98
3632675.90 88.10464 (20082805)
503021.98 3632675.90 99.12603 (20082805) 503721.98
3632675.90 73.27571 (21013019)
503821.98 3632675.90 61.94315 (20092120) 503921.98
3632675.90 47.67174 (20092120)
504021.98 3632675.90 42.92711 (19122101) 504121.98
3632675.90 40.33207 (19122101)
504221.98 3632675.90 37.60701 (19122101) 504321.98
3632675.90 35.04539 (19122101)
504421.98 3632675.90 32.68717 (19122101) 504521.98
3632675.90 30.44550 (19122101)
504621.98 3632675.90 28.49947 (19122101) 504721.98
3632675.90 26.76035 (19122101)
504821.98 3632675.90 25.12011 (19122101) 504921.98
3632675.90 23.67198 (19122101)
505021.98 3632675.90 22.29218 (19122101) 505121.98
3632675.90 21.02532 (19122101)
505221.98 3632675.90 20.09226 (21021007) 505321.98
3632675.90 19.22312 (21021007)
505421.98 3632675.90 18.39160 (21021007) 505521.98
3632675.90 17.51610 (21021007)
505621.98 3632675.90 16.76117 (21021007) 505721.98
3632675.90 16.14165 (21021007)
502421.98 3632775.90 123.50873 (20082303) 502521.98
3632775.90 124.81818 (20082303)
502621.98 3632775.90 107.22720 (20082304) 502721.98
3632775.90 92.76028 (20082304)
502821.98 3632775.90 88.20321 (20082304) 502921.98
3632775.90 143.67580 (20082306)
503021.98 3632775.90 113.98437 (20041201) 503121.98
3632775.90 121.67735 (20082306)
503221.98 3632775.90 110.91442 (20082306) 503621.98
3632775.90 121.66755 (20082306)
503721.98 3632775.90 95.40221 (20082306) 503821.98
3632775.90 64.25005 (20082306)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504521.98	3632775.90	30.36908	(21101921)	504621.98	3632775.90	28.32683	(21101921)
504721.98	3632775.90	26.49680	(21101921)	504821.98	3632775.90	24.88324	(21101921)
504921.98	3632775.90	23.40615	(21101921)	505021.98	3632775.90	22.04626	(21101921)
505121.98	3632775.90	20.82366	(21101921)	505221.98	3632775.90	19.70971	(21101921)
505321.98	3632775.90	18.69780	(21101921)	505421.98	3632775.90	17.65809	(21101921)
505521.98	3632775.90	16.67058	(21101921)	505621.98	3632775.90	15.81787	(21101921)
505721.98	3632775.90	15.12089	(21101921)	501721.98	3632875.90	43.51263	(21011719)
501821.98	3632875.90	45.13108	(21011719)	501921.98			

3632875.90 45.92883 (21011719)
502021.98 3632875.90 45.74734 (21011719) 502121.98
3632875.90 45.40113 (21011719)
502221.98 3632875.90 44.47068 (21011719) 502321.98
3632875.90 44.16906 (21011719)
502421.98 3632875.90 44.56247 (21011719) 502521.98
3632875.90 42.13256 (21011719)
502621.98 3632875.90 40.49860 (20082303) 502721.98
3632875.90 39.69035 (20082303)
502821.98 3632875.90 41.82534 (20082303) 502921.98
3632875.90 61.43537 (20081806)
503021.98 3632875.90 34.05429 (20081806) 503121.98
3632875.90 46.49502 (20081806)
503221.98 3632875.90 42.24519 (20041201) 503321.98
3632875.90 41.82453 (20041201)
503421.98 3632875.90 54.43209 (20041201) 503621.98
3632875.90 80.95026 (20082303)
503721.98 3632875.90 71.48508 (20081401) 503821.98
3632875.90 53.24685 (20081806)
503921.98 3632875.90 40.52471 (20041201) 504021.98
3632875.90 37.87629 (20041201)
504121.98 3632875.90 34.76712 (20041201) 504221.98
3632875.90 31.14865 (20041201)
504321.98 3632875.90 30.23926 (21013119) 504421.98
3632875.90 29.29475 (21013119)
504521.98 3632875.90 28.12506 (21013119) 504621.98
3632875.90 26.78675 (21013119)
504721.98 3632875.90 25.34093 (21013119) 504821.98
3632875.90 23.83009 (21013119)
504921.98 3632875.90 22.32602 (20011720) 505021.98
3632875.90 21.39601 (20011720)
505121.98 3632875.90 20.45438 (20011720) 505221.98
3632875.90 19.52568 (20011720)
505321.98 3632875.90 18.56178 (20011720) 505421.98
3632875.90 17.52260 (20011720)
505521.98 3632875.90 16.61332 (20011720) 505621.98
3632875.90 15.71518 (20011720)
505721.98 3632875.90 14.95563 (19122317) 501721.98
3632975.90 27.61958 (21011719)
501821.98 3632975.90 28.59447 (21011719) 501921.98
3632975.90 29.17303 (21011719)
502021.98 3632975.90 29.67878 (21011719) 502121.98
3632975.90 30.11137 (21011719)
505321.98 3632975.90 15.80155 (21013119) 505421.98
3632975.90 15.61738 (21013119)
505521.98 3632975.90 15.34700 (21013119) 505621.98
3632975.90 15.03816 (21013119)
505721.98 3632975.90 14.67595 (21013119) 501721.98
3633075.90 20.62655 (21011719)
501821.98 3633075.90 21.32526 (21011719) 501921.98

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW   ***
INCLUDING SOURCE(S):   L0000760   , L0000761 , L0000762   , L0000763   , L0000764   ,
L0000765   , L0000766   , L0000767   , L0000768   , L0000769 , L0000770   , L0000771   , L0000772   ,
L0000773   , L0000774   , L0000775   , L0000776   , L0000777 , L0000778   , L0000779   , L0000780   ,
L0000781   , L0000782   , L0000783   , L0000784   , L0000785 , L0000786   , L0000787   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633175.90	12.71288	(20081806)	505621.98	3633175.90	12.73191	(21082522)
505721.98	3633175.90	11.65585	(21082522)	501721.98	3633275.90	14.37133	(21011719)
501821.98	3633275.90	14.36756	(21011719)	501921.98	3633275.90	14.00861	(21011719)

```
        502021.98   3633275.90       13.51549  (21011719)               502121.98
3633275.90       12.84828  (21011719)
        505321.98   3633275.90       13.19119  (20081806)               505421.98
3633275.90       13.00753  (20081806)
        505521.98   3633275.90       14.17543  (20081806)               505621.98
3633275.90       14.87470  (20081806)
        505721.98   3633275.90       13.79437  (20081806)               501721.98
3633375.90       11.76509  (21011719)
        501821.98   3633375.90       11.41338  (21011719)               501921.98
3633375.90       11.12818  (21012023)
        502021.98   3633375.90       10.91696  (21012023)               502121.98
3633375.90       10.52570  (21012023)
        505321.98   3633375.90       10.95809  (19022319)               505421.98
3633375.90       10.39829  (20081806)
        505521.98   3633375.90       11.36737  (20081806)               505621.98
3633375.90       13.04009  (20081806)
        505721.98   3633375.90       13.42563  (20081806)               501721.98
3633475.90        9.97393  (20022207)
        501821.98   3633475.90        9.91558  (21012023)               501921.98
3633475.90        9.75619  (21012023)
        502021.98   3633475.90        9.41255  (21012023)               502121.98
3633475.90        9.00474  (21121424)
        505321.98   3633475.90       10.05787  (19022319)               505421.98
3633475.90        9.50795  (19022319)
        505521.98   3633475.90       10.23050  (19022319)               505621.98
3633475.90       10.94860  (19022319)
        505721.98   3633475.90       11.37460  (19022319)               501721.98
3633575.90        8.91684  (21012023)
        501821.98   3633575.90        8.75113  (21012023)               501921.98
3633575.90        8.44377  (21012023)
        502021.98   3633575.90        8.21339  (21121424)               502121.98
3633575.90        8.35405  (21121424)
        505321.98   3633575.90       10.30059  (20082024)               505421.98
3633575.90        8.68076  (20082024)
        505521.98   3633575.90        8.89571  (19030607)               505621.98
3633575.90       10.08989  (19022319)
        505721.98   3633575.90       10.86484  (19022319)               501721.98
3633675.90        7.93922  (21012023)
        501821.98   3633675.90        7.63736  (21012023)               501921.98
3633675.90        7.54537  (21121424)
        502021.98   3633675.90        7.47260  (21121424)               502121.98
3633675.90        7.58793  (21012024)
        505321.98   3633675.90       10.15013  (20082024)               505421.98
3633675.90        8.93299  (20082024)
        505521.98   3633675.90        9.30928  (20082024)               505621.98
3633675.90        9.41529  (20082024)
        505721.98   3633675.90        9.86203  (19030607)               501721.98
3633775.90        7.01198  (21012023)
        501821.98   3633775.90        6.96534  (21121424)               501921.98
3633775.90        6.89710  (21121424)
```

```
        502021.98   3633775.90        6.87254  (21012024)               502121.98
3633775.90        6.87052  (21012024)
        505321.98   3633775.90        9.44978  (20082024)               505421.98
3633775.90        9.21003  (20082024)
        505521.98   3633775.90        9.24606  (20082024)               505621.98
3633775.90        9.87374  (20082024)
        505721.98   3633775.90       10.06032  (20082024)               501721.98
3633875.90        6.47603  (21121424)
        501821.98   3633875.90        6.45707  (21121424)               501921.98
3633875.90        6.33636  (21012024)
        502021.98   3633875.90        6.43708  (21012024)               502121.98
3633875.90        6.42348  (21012024)
        505321.98   3633875.90        8.61453  (20082106)               505421.98
3633875.90        8.88045  (20082106)
        505521.98   3633875.90        9.12140  (20082024)               505621.98
3633875.90        9.45373  (20082024)
        505721.98   3633875.90        9.99930  (20082024)               501721.98
3633975.90        6.01732  (21121424)
        501821.98   3633975.90        5.94522  (21012024)               501921.98
3633975.90        6.02276  (21012024)
        502021.98   3633975.90        6.03473  (21012024)               502121.98
3633975.90        6.05674  (21012024)
        505321.98   3633975.90        8.57095  (20082302)               505421.98
3633975.90        8.80773  (20082302)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1056
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                   INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
, L0000786    , L0000787    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
```

```
Y-COORD (M)        CONC     (YYMMDDHH)
 - - -
```

```
3634475.90        4.73622  (21012024)
        505321.98   3634475.90        7.01919  (20092620)                505421.98
3634475.90        7.54840  (20092620)
        505521.98   3634475.90        7.07532  (20092620)                505621.98
3634475.90        6.68775  (20082302)
        505721.98   3634475.90        6.12752  (20082302)                501721.98
3634575.90        4.40029  (21021806)
        501821.98   3634575.90        4.42732  (21012024)                501921.98
3634575.90        4.52126  (21012024)
        502021.98   3634575.90        4.55708  (21012024)                502121.98
3634575.90        4.56978  (21012024)
        505321.98   3634575.90        6.29801  (20110218)                505421.98
3634575.90        7.04555  (20092620)
        505521.98   3634575.90        7.15178  (20092620)                505621.98
3634575.90        6.54019  (20082302)
        505721.98   3634575.90        6.01231  (20082302)                501721.98
3634675.90        4.25607  (21021806)
        501821.98   3634675.90        4.28922  (21012024)                501921.98
3634675.90        4.38151  (21012024)
        502021.98   3634675.90        4.41420  (21012024)                502121.98
3634675.90        4.37501  (21012024)
        505321.98   3634675.90        6.14926  (19020919)                505421.98
3634675.90        6.16872  (20092620)
        505521.98   3634675.90        6.24477  (20092620)                505621.98
3634675.90        6.73313  (20092620)
        505721.98   3634675.90        6.24905  (20082302)                501721.98
3634775.90        4.11246  (21021806)
        501821.98   3634775.90        4.14076  (21012024)                501921.98
3634775.90        4.22473  (21012024)
        502021.98   3634775.90        4.26718  (21012024)                502121.98
3634775.90        4.26400  (21012024)
        505321.98   3634775.90        5.94447  (21010717)                505421.98
3634775.90        5.00945  (19030707)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1057
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCKW   ***
                                    INCLUDING SOURCE(S):     L0000760    , L0000761
, L0000762    , L0000763    , L0000764    ,
                  L0000765    , L0000766    , L0000767    , L0000768    , L0000769
, L0000770    , L0000771    , L0000772    ,
                  L0000773    , L0000774    , L0000775    , L0000776    , L0000777
, L0000778    , L0000779    , L0000780    ,
                  L0000781    , L0000782    , L0000783    , L0000784    , L0000785
```

, L0000786   , L0000787   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3634775.90	5.08308	(19030707)	505621.98	3634775.90	5.88128	(20092620)
505721.98	3634775.90	6.30670	(20092620)	501721.98	3634875.90	3.97831	(21021806)
501821.98	3634875.90	4.00372	(21021806)	501921.98	3634875.90	4.10154	(21012024)
502021.98	3634875.90	4.13356	(21012024)	502121.98	3634875.90	4.13072	(21012024)
505321.98	3634875.90	6.10774	(21122618)	505421.98	3634875.90	4.45880	(19030707)
505521.98	3634875.90	4.65575	(19030707)	505621.98	3634875.90	4.83610	(19030707)
505721.98	3634875.90	4.94943	(20092620)	501721.98	3634975.90	3.86955	(21021806)
501821.98	3634975.90	3.88290	(21021806)	501921.98	3634975.90	3.97509	(21012024)
502021.98	3634975.90	4.00184	(21012024)	502121.98	3634975.90	4.00216	(21012024)
505321.98	3634975.90	5.19597	(19021605)	505421.98	3634975.90	3.83094	(21012617)
505521.98	3634975.90	3.72785	(21012617)	505621.98	3634975.90	3.87495	(19030707)
505721.98	3634975.90	4.19987	(19030707)	501721.98	3635075.90	3.76376	(21021806)
501821.98	3635075.90	3.77044	(21021806)	501921.98	3635075.90	3.83682	(21012024)
502021.98	3635075.90	3.86855	(21012024)	502121.98	3635075.90	3.87941	(21012024)
505321.98	3635075.90	5.20227	(19102623)	505421.98	3635075.90	3.79157	(21012617)
505521.98	3635075.90	3.73119	(21012617)	505621.98	3635075.90	3.58171	(21012617)
505721.98	3635075.90	3.45438	(21012617)	501721.98	3635175.90	3.63864	(21021806)
501821.98	3635175.90	3.66328	(21021806)	501921.98	3635175.90	4.38252	(21012024)
502021.98	3635175.90	3.74526	(21021806)	502121.98	3635175.90	3.76406	(21012024)

```
        505321.98   3635175.90        3.72770  (21012617)                505421.98
3635175.90        3.74189  (21012617)
        505521.98   3635175.90        3.70430  (21012617)                505621.98
3635175.90        3.64034  (21012617)
        505721.98   3635175.90        3.52413  (21012617)                501721.98
3635275.90        4.88637  (21081004)
        501821.98   3635275.90        4.33670  (19101219)                501921.98
3635275.90        4.40476  (21012024)
        502021.98   3635275.90        4.39597  (21012024)                502121.98
3635275.90        3.65402  (21012024)
        505621.98   3635275.90        3.59066  (21012617)                505721.98
3635275.90        3.55090  (21012617)
        501721.98   3635375.90        4.71365  (19101219)                501821.98
3635375.90        4.82813  (19101219)
        501921.98   3635375.90        4.57061  (19101219)                502021.98
3635375.90        4.51398  (20071102)
        502121.98   3635375.90        3.73853  (21012024)                505621.98
3635375.90        3.47928  (21012617)
        501721.98   3635475.90        4.53872  (20120224)                501821.98
3635475.90        4.43930  (19101219)
        501921.98   3635475.90        4.58242  (19101219)                502021.98
3635475.90        4.13049  (21012024)
        502121.98   3635475.90        3.98101  (21012024)                505621.98
3635475.90        3.35667  (21012617)
        505721.98   3635475.90        3.35393  (21012617)                501721.98
3635575.90        4.47446  (20120224)
        501821.98   3635575.90        4.27688  (21041324)                501921.98
3635575.90        4.48650  (19101219)
        502021.98   3635575.90        4.50811  (20071102)                502121.98
3635575.90        4.42668  (20071102)
        505321.98   3635575.90        3.04506  (21012617)                505421.98
3635575.90        3.10257  (21012617)
        505521.98   3635575.90        3.16846  (21012617)                505621.98
3635575.90        3.21257  (21012617)
        505721.98   3635575.90        3.24476  (21012617)                501721.98
3635675.90        4.39623  (20120224)
        501821.98   3635675.90        4.19461  (21041324)                501921.98
3635675.90        4.21471  (21041324)
        502021.98   3635675.90        4.30883  (19101219)                502121.98
3635675.90        4.18325  (19101219)
        505321.98   3635675.90        2.90753  (20011620)                505421.98
3635675.90        2.92008  (21012617)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1058
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW ***
INCLUDING SOURCE(S): L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3635675.90	3.00189	(21012617)	505621.98	3635675.90	3.07338	(21012617)
505721.98	3635675.90	3.12004	(21012617)	501721.98	3635775.90	4.23940	(20120224)
501821.98	3635775.90	4.19609	(20120224)	501921.98	3635775.90	4.14119	(21041324)
502021.98	3635775.90	4.15568	(19072223)	502121.98	3635775.90	4.11683	(19072223)
505321.98	3635775.90	2.84027	(20011620)	505421.98	3635775.90	2.92335	(21012617)
505521.98	3635775.90	2.93355	(21012617)	505621.98	3635775.90	2.92770	(21012617)
505721.98	3635775.90	3.01692	(21012617)	501721.98	3635875.90	3.99247	(20120224)
501821.98	3635875.90	4.21149	(20120224)	501921.98	3635875.90	4.07936	(19072223)
502021.98	3635875.90	4.12329	(19072223)	502121.98	3635875.90	4.11073	(19072223)
505321.98	3635875.90	3.04842	(21122618)	505421.98	3635875.90	2.76642	(20011620)
505521.98	3635875.90	2.80175	(21012617)	505621.98	3635875.90	2.85699	(21012617)
505721.98	3635875.90	2.99479	(21012617)	501721.98	3635975.90	3.93039	(21100603)
501821.98	3635975.90	4.10840	(20120224)	501921.98	3635975.90	3.99231	(19072223)
502021.98	3635975.90	4.02317	(19072223)	502121.98	3635975.90	4.03580	(19072223)
505321.98	3635975.90	2.75576	(20011620)	505421.98			

3635975.90 2.71846 (20011620)
505521.98 3635975.90 2.69260 (20011620) 505621.98
3635975.90 2.84202 (21012617)
505721.98 3635975.90 2.70346 (21012617) 501721.98
3636075.90 3.80959 (20120224)
501821.98 3636075.90 3.98088 (20120224) 501921.98
3636075.90 3.95534 (20120224)
502021.98 3636075.90 3.89293 (19072223) 502121.98
3636075.90 3.92645 (19072223)
502221.98 3636075.90 3.94795 (19072223) 502321.98
3636075.90 3.83219 (19072224)
502421.98 3636075.90 4.05213 (19122420) 502521.98
3636075.90 4.00792 (19122420)
502621.98 3636075.90 3.93417 (19122420) 502721.98
3636075.90 3.97266 (19122420)
502821.98 3636075.90 3.95629 (19122420) 502921.98
3636075.90 3.79399 (19122420)
503021.98 3636075.90 3.82772 (21013118) 503121.98
3636075.90 3.80906 (21013118)
503221.98 3636075.90 3.91720 (21013118) 503321.98
3636075.90 4.00594 (21013118)
503421.98 3636075.90 4.02506 (21013118) 503521.98
3636075.90 4.03752 (21013118)
503621.98 3636075.90 3.95555 (21013118) 503721.98
3636075.90 3.78002 (21013118)
503821.98 3636075.90 3.93327 (20121721) 503921.98
3636075.90 3.92476 (20121721)
504021.98 3636075.90 3.85332 (20092821) 504121.98
3636075.90 3.81474 (20092821)
504221.98 3636075.90 3.69468 (20092821) 504321.98
3636075.90 3.77142 (19022602)
504421.98 3636075.90 3.72880 (19032022) 504521.98
3636075.90 3.77456 (19032022)
504621.98 3636075.90 3.71129 (20102224) 504721.98
3636075.90 3.93057 (21090701)
504821.98 3636075.90 3.32977 (20011620) 504921.98
3636075.90 2.74005 (20011620)
505021.98 3636075.90 2.72086 (20011620) 505121.98
3636075.90 2.59729 (20011620)
505221.98 3636075.90 2.62997 (20011620) 505321.98
3636075.90 2.65101 (20011620)
505421.98 3636075.90 2.64983 (20011620) 505521.98
3636075.90 2.65219 (20011620)
505621.98 3636075.90 2.62465 (20011620) 505721.98
3636075.90 2.68048 (21012617)
501721.98 3636175.90 3.77144 (21100603) 501821.98
3636175.90 3.82405 (20120224)
501921.98 3636175.90 3.88235 (20120224) 502021.98
3636175.90 3.76606 (19072223)
502121.98 3636175.90 3.81137 (19072223) 502221.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCKW   ***
                                  INCLUDING SOURCE(S):   L0000760   , L0000761 , L0000762   , L0000763   , L0000764   ,
                 L0000765   , L0000766   , L0000767   , L0000768   , L0000769 , L0000770   , L0000771   , L0000772   ,
                 L0000773   , L0000774   , L0000775   , L0000776   , L0000777 , L0000778   , L0000779   , L0000780   ,
                 L0000781   , L0000782   , L0000783   , L0000784   , L0000785 , L0000786   , L0000787   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        502321.98   3636175.90   3.79125 (19072224)   502421.98   3636175.90   3.87678 (19122420)
        502521.98   3636175.90   3.79778 (19122420)   502621.98   3636175.90   3.75043 (19122420)
        502721.98   3636175.90   3.75842 (19072224)   502821.98   3636175.90   3.67936 (19072224)
        502921.98   3636175.90   3.67897 (19050322)   503021.98   3636175.90   3.70464 (19072224)
        503121.98   3636175.90   3.88494 (19072224)   503221.98   3636175.90   3.74954 (21013118)
        503321.98   3636175.90   3.89448 (21013118)   503421.98   3636175.90   3.92160 (21013118)
        503521.98   3636175.90   3.93878 (21013118)   503621.98   3636175.90   3.94639 (21013118)
        503721.98   3636175.90   3.88763 (21013118)   503821.98   3636175.90   3.79053 (21013118)
        503921.98   3636175.90   3.68056 (21013118)   504021.98   3636175.90   3.66970 (19060920)
        504121.98   3636175.90   3.69279 (19060920)   504221.98   3636175.90   3.70174 (19112903)

```
        504321.98   3636175.90        3.68139  (19112903)               504421.98
3636175.90        3.86830  (21013118)
        504521.98   3636175.90        3.62514  (21013118)               504621.98
3636175.90        3.67650  (19032022)
        504721.98   3636175.90        3.64203  (21121422)               504821.98
3636175.90        3.84263  (20011620)
        504921.98   3636175.90        3.94761  (21090701)               505021.98
3636175.90        3.35512  (20011620)
        505121.98   3636175.90        2.64307  (20011620)               505221.98
3636175.90        2.61458  (20011620)
        505321.98   3636175.90        2.73613  (20011620)               505421.98
3636175.90        2.73336  (20011620)
        505521.98   3636175.90        2.62127  (20011620)               505621.98
3636175.90        2.60821  (20011620)
        505721.98   3636175.90        2.54911  (20011620)               501721.98
3636275.90        3.67952  (21100603)
        501821.98   3636275.90        3.71049  (20120224)               501921.98
3636275.90        3.78176  (20120224)
        502021.98   3636275.90        3.69099  (19072223)               502121.98
3636275.90        3.77825  (19072223)
        502221.98   3636275.90        3.80158  (19072223)               502321.98
3636275.90        3.69935  (19072224)
        502421.98   3636275.90        3.72558  (19072224)               502521.98
3636275.90        3.74237  (19072224)
        502621.98   3636275.90        3.82554  (19072224)               502721.98
3636275.90        3.81104  (19072224)
        502821.98   3636275.90        3.77604  (19072224)               502921.98
3636275.90        3.75366  (19072224)
        503021.98   3636275.90        3.66865  (19072224)               503121.98
3636275.90        3.75811  (19072224)
        503221.98   3636275.90        3.73825  (19072224)               503321.98
3636275.90        3.60752  (21013118)
        503421.98   3636275.90        3.71765  (21013118)               503521.98
3636275.90        3.78191  (21013118)
        503621.98   3636275.90        3.82779  (21013118)               503721.98
3636275.90        3.84202  (21013118)
        503821.98   3636275.90        3.82426  (21013118)               503921.98
3636275.90        3.79467  (21013118)
        504021.98   3636275.90        3.75243  (21013118)               504121.98
3636275.90        3.70644  (21013118)
        504221.98   3636275.90        3.56145  (21013118)               504321.98
3636275.90        3.16917  (21052005)
        504421.98   3636275.90        2.93051  (21051123)               504521.98
3636275.90        2.70400  (19101324)
        504621.98   3636275.90        3.32731  (19111019)               504721.98
3636275.90        3.57389  (19032022)
        504821.98   3636275.90        3.50594  (20102221)               504921.98
3636275.90        3.80016  (20011620)
        505021.98   3636275.90        3.55614  (21090701)               505121.98
3636275.90        2.74133  (20011620)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCKW   ***
                                    INCLUDING SOURCE(S):   L0000760   , L0000761
, L0000762   , L0000763   , L0000764   ,
                 L0000765   , L0000766   , L0000767   , L0000768   , L0000769
, L0000770   , L0000771   , L0000772   ,
                 L0000773   , L0000774   , L0000775   , L0000776   , L0000777
, L0000778   , L0000779   , L0000780   ,
                 L0000781   , L0000782   , L0000783   , L0000784   , L0000785
, L0000786   , L0000787   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502121.98   3636375.90   3.70783 (19072223)   502221.98
3636375.90   3.73176 (19072223)
        502321.98   3636375.90   3.71253 (19072224)   502421.98
3636375.90   3.75113 (19072224)
        502521.98   3636375.90   3.77279 (19072224)   502621.98
3636375.90   3.75913 (19072224)
        502721.98   3636375.90   3.78357 (19072224)   502821.98
3636375.90   3.77881 (19072224)
        502921.98   3636375.90   3.76131 (19072224)   503021.98
3636375.90   3.74926 (19072224)
        503121.98   3636375.90   3.74157 (19072224)   503221.98

```
3636375.90        3.72137  (19072224)
        503321.98   3636375.90        3.68267  (19072224)                503421.98
3636375.90        3.51343  (21013118)
        503521.98   3636375.90        3.57370  (21013118)                503621.98
3636375.90        3.72751  (19122420)
        503721.98   3636375.90        3.68388  (21013118)                503821.98
3636375.90        3.70671  (21013118)
        503921.98   3636375.90        3.63013  (21013118)                504021.98
3636375.90        3.59328  (21013118)
        504121.98   3636375.90        3.44271  (21013118)                504221.98
3636375.90        3.29308  (21051124)
        504321.98   3636375.90        2.84528  (21031320)                504421.98
3636375.90        2.52744  (21051123)
        504521.98   3636375.90        2.44900  (19060406)                504621.98
3636375.90        2.87286  (19111019)
        504721.98   3636375.90        3.28766  (19111019)                504821.98
3636375.90        3.09781  (20050923)
        504921.98   3636375.90        3.29586  (20102221)                505021.98
3636375.90        3.71977  (20011620)
        505121.98   3636375.90        3.17868  (20011620)                505221.98
3636375.90        3.07231  (20011620)
        505321.98   3636375.90        2.98768  (20011620)                505421.98
3636375.90        2.81654  (20011620)
        505521.98   3636375.90        2.72768  (20011620)                505621.98
3636375.90        2.73728  (21122618)
        505721.98   3636375.90        2.84343  (21122618)                501721.98
3636475.90        3.51606  (21100603)
        501821.98   3636475.90        3.44536  (20120224)                501921.98
3636475.90        3.58949  (20120224)
        502021.98   3636475.90        3.51639  (19072223)                502121.98
3636475.90        3.58180  (19072223)
        502221.98   3636475.90        3.64612  (19072223)                502321.98
3636475.90        3.65460  (19072223)
        502421.98   3636475.90        3.70134  (19072224)                502521.98
3636475.90        3.73058  (19072224)
        502621.98   3636475.90        3.72845  (19072224)                502721.98
3636475.90        3.72858  (19072224)
        502821.98   3636475.90        3.70257  (19072224)                502921.98
3636475.90        3.68739  (19072224)
        503021.98   3636475.90        3.66865  (19072224)                503121.98
3636475.90        3.63791  (19072224)
        503221.98   3636475.90        3.60537  (19072224)                503321.98
3636475.90        3.63041  (19072224)
        503421.98   3636475.90        3.57464  (19072224)                503521.98
3636475.90        3.44281  (19072224)
        503621.98   3636475.90        3.41179  (19122420)                503721.98
3636475.90        3.63619  (19122420)
        503821.98   3636475.90        3.46450  (21013118)                503921.98
3636475.90        3.37861  (20010717)
        504021.98   3636475.90        3.22577  (19082724)                504121.98
```

3636475.90   3.25855 (20050822)
        504221.98   3636475.90   3.21417 (21051124)   504321.98
3636475.90   2.72256 (20031720)
        504421.98   3636475.90   2.35726 (21051123)   504521.98
3636475.90   2.25109 (19060406)
        504621.98   3636475.90   2.35640 (19060406)   504721.98
3636475.90   2.55820 (19060406)
        504821.98   3636475.90   2.73188 (19060406)   504921.98
3636475.90   3.12752 (20102221)
        505021.98   3636475.90   3.56070 (20102224)   505121.98
3636475.90   3.44909 (21090701)
        505221.98   3636475.90   3.16901 (21090701)   505321.98
3636475.90   3.08093 (20011620)
        505421.98   3636475.90   2.86746 (20011620)   505521.98
3636475.90   2.76310 (20011620)
        505621.98   3636475.90   2.72043 (21122618)   505721.98
3636475.90   2.79933 (21122618)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000310   , L0000311   , L0000312   ,
                 L0000313   , L0000314   , L0000315   , L0000316   , L0000317 , L0000318   , L0000319   , L0000910   ,
                 L0000911   , L0000912   , L0000913   , L0000914   , L0000915 , L0000916   , L0000917   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        502721.98   3633475.90   72.93131 (19010119)   502771.98 3633475.90   70.98811 (19010119)
        502821.98   3633475.90   76.74427 (21030103)   502871.98 3633475.90   96.22752 (21030103)

```
        502921.98   3633475.90      115.71945  (21030103)              502971.98
3633475.90      133.60050  (21030103)
        503021.98   3633475.90      147.34052  (21030103)              503071.98
3633475.90      163.49327  (20121603)
        503121.98   3633475.90      190.29694  (20121603)              503171.98
3633475.90      205.91984  (20121603)
        503221.98   3633475.90      206.70385  (20121603)              503271.98
3633475.90      195.74427  (20121603)
        503321.98   3633475.90      342.92054  (20092124)              503371.98
3633475.90      307.88049  (20102407)
        503421.98   3633475.90      333.77231  (20111701)              503471.98
3633475.90      323.81954  (19081924)
        503521.98   3633475.90      470.59192  (19081924)              503621.98
3633475.90      429.71468  (19082022)
        503671.98   3633475.90      321.48575  (19091221)              503721.98
3633475.90      306.27179  (21020203)
        503771.98   3633475.90      290.21597  (20082921)              503821.98
3633475.90      330.72430  (20082921)
        503871.98   3633475.90      298.00076  (20081802)              503921.98
3633475.90      289.91272  (19032124)
        503971.98   3633475.90      301.31138  (20080922)              504021.98
3633475.90      276.68115  (21011302)
        504071.98   3633475.90      284.60191  (21022205)              504121.98
3633475.90      299.69195  (20081021)
        504171.98   3633475.90      283.77293  (21013021)              504221.98
3633475.90      286.80271  (21013021)
        504271.98   3633475.90      290.02711  (20073022)              504321.98
3633475.90      292.39754  (20072721)
        504371.98   3633475.90      268.93030  (21011323)              504421.98
3633475.90      263.03467  (21010102)
        504471.98   3633475.90      252.45980  (19022705)              504521.98
3633475.90      255.83471  (21021820)
        504571.98   3633475.90      252.25604  (21011520)              504621.98
3633475.90      242.34795  (21010522)
        504671.98   3633475.90      233.95659  (20122923)              504721.98
3633475.90      220.91640  (20080623)
        502721.98   3633525.90       77.87617  (19010119)              502771.98
3633525.90       77.28523  (19010119)
        502821.98   3633525.90       75.27514  (19010119)              502871.98
3633525.90       83.22250  (21030103)
        502921.98   3633525.90      104.56947  (21030103)              502971.98
3633525.90      125.89599  (21030103)
        503021.98   3633525.90      144.70131  (21030103)              503071.98
3633525.90      158.29942  (21030103)
        503121.98   3633525.90      183.06112  (20121603)              503171.98
3633525.90      208.36826  (20121603)
        503221.98   3633525.90      219.78307  (20121603)              503271.98
3633525.90      214.40489  (20121603)
        503321.98   3633525.90      225.53121  (21063005)              503371.98
3633525.90      332.65140  (20092124)
```

```
        503421.98   3633525.90      369.89662  (20111701)                503471.98
3633525.90      374.71240  (20111701)
        503521.98   3633525.90      462.65650  (19081924)                503621.98
3633525.90      493.79678  (19101521)
        503671.98   3633525.90      405.11751  (21090401)                503721.98
3633525.90      402.61625  (21020203)
        503771.98   3633525.90      356.63577  (20082921)                503821.98
3633525.90      376.74364  (20082921)
        503871.98   3633525.90      345.55654  (20081802)                503921.98
3633525.90      332.49970  (20080922)
        503971.98   3633525.90      337.74114  (20080922)                504021.98
3633525.90      302.30229  (19102905)
        504071.98   3633525.90      309.56147  (20081021)                504121.98
3633525.90      334.86137  (20081021)
        504171.98   3633525.90      330.20012  (21013021)                504221.98
3633525.90      339.75105  (20073022)
        504271.98   3633525.90      322.83816  (20072721)                504321.98
3633525.90      275.00239  (21011323)
        504371.98   3633525.90      272.33531  (21010102)                504421.98
3633525.90      272.50107  (20011902)
        504471.98   3633525.90      267.90065  (19022705)                504521.98
3633525.90      264.35395  (21011520)
        504571.98   3633525.90      254.54705  (21010522)                504621.98
3633525.90      249.58906  (19122301)
        504671.98   3633525.90      234.57490  (20080623)                504721.98
3633525.90      238.14864  (21022502)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1062
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502721.98	3633575.90	88.53382	(21111004)	502771.98	3633575.90	82.95305	(21111004)
502821.98	3633575.90	82.37370	(19010119)	502871.98	3633575.90	80.84621	(19010119)
502921.98	3633575.90	90.58396	(21030103)	502971.98	3633575.90	113.97091	(21030103)
503021.98	3633575.90	137.15558	(21030103)	503071.98	3633575.90	156.85486	(21030103)
503121.98	3633575.90	169.75790	(21030103)	503171.98	3633575.90	204.25934	(20121603)
503221.98	3633575.90	227.28937	(20121603)	503271.98	3633575.90	232.37495	(20121603)
503321.98	3633575.90	219.60395	(20121603)	503371.98	3633575.90	355.30623	(20092124)
503421.98	3633575.90	376.65971	(20082723)	503471.98	3633575.90	392.57021	(19081924)
503521.98	3633575.90	533.41219	(19081924)	503621.98	3633575.90	530.97575	(19101521)
503671.98	3633575.90	490.77411	(21090401)	503721.98	3633575.90	465.76212	(21020203)
503771.98	3633575.90	423.22442	(20082921)	503821.98	3633575.90	464.66217	(20082921)
503871.98	3633575.90	408.28857	(20032501)	503921.98	3633575.90	391.04702	(20022622)
503971.98	3633575.90	374.29295	(20080922)	504021.98	3633575.90	360.01734	(19102905)
504071.98	3633575.90	368.32603	(20081021)	504121.98	3633575.90	364.12937	(20082321)
504171.98	3633575.90	371.49158	(20073022)	504221.98	3633575.90	379.33574	(20073022)
504271.98	3633575.90	328.73586	(20072721)	504321.98	3633575.90	295.15668	(21011323)
504371.98	3633575.90	288.34807	(21010102)	504421.98	3633575.90	284.27590	(19022705)
504471.98	3633575.90	276.82305	(20121007)	504521.98	3633575.90	269.35395	(19121906)
504571.98	3633575.90	266.25629	(19122301)	504621.98	3633575.90	250.83074	(20122923)
504671.98	3633575.90	251.25384	(21022502)	504721.98	3633575.90	238.25263	(19120104)
502721.98	3633625.90	101.17180	(21111004)	502771.98	3633625.90	96.75567	(21111004)
502821.98	3633625.90	91.04012	(21111004)	502871.98	3633625.90	88.10581	(19010119)
502921.98	3633625.90	86.48951	(19010119)	502971.98			

3633625.90   99.07757 (21030103)
        503021.98   3633625.90   124.95045 (21030103)   503071.98
3633625.90   149.73673 (21030103)
        503121.98   3633625.90   170.09252 (21030103)   503171.98
3633625.90   192.59669 (20121603)
        503221.98   3633625.90   227.35484 (20121603)   503271.98
3633625.90   245.76982 (20121603)
        503321.98   3633625.90   242.81465 (20121603)   503371.98
3633625.90   254.54501 (21063005)
        503421.98   3633625.90   336.90827 (20082723)   503471.98
3633625.90   404.42268 (20082723)
        503521.98   3633625.90   526.19497 (19081924)   503621.98
3633625.90   577.17002 (19110606)
        503671.98   3633625.90   527.48102 (21090401)   503721.98
3633625.90   496.48148 (20050102)
        503771.98   3633625.90   453.63944 (20082921)   503821.98
3633625.90   519.27968 (20082921)
        503871.98   3633625.90   439.28301 (20032501)   503921.98
3633625.90   422.37414 (20022622)
        503971.98   3633625.90   407.60557 (20080921)   504021.98
3633625.90   396.04024 (19102905)
        504071.98   3633625.90   407.27104 (20081021)   504121.98
3633625.90   410.62308 (21013021)
        504171.98   3633625.90   424.42792 (20073022)   504221.98
3633625.90   402.24611 (20073020)
        504271.98   3633625.90   339.80673 (20072721)   504321.98
3633625.90   313.32733 (21010102)
        504371.98   3633625.90   298.28279 (19022705)   504421.98
3633625.90   298.10725 (21021820)
        504471.98   3633625.90   290.74423 (21011520)   504521.98
3633625.90   282.47598 (19122301)
        504571.98   3633625.90   273.96190 (20080623)   504621.98
3633625.90   266.87754 (21022502)
        504671.98   3633625.90   253.81739 (19120104)   504721.98
3633625.90   254.12941 (20081805)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                 L0000313   , L0000314   , L0000315   , L0000316   , L0000317

, L0000318   , L0000319   , L0000910   ,
                L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502721.98   3633675.90   112.05206 (21111004)   502771.98
3633675.90   110.22061 (21111004)
        502821.98   3633675.90   105.89310 (21111004)   502871.98
3633675.90   100.18531 (21111004)
        502921.98   3633675.90   94.97063 (19010119)   502971.98
3633675.90   93.64861 (19010119)
        503021.98   3633675.90   109.01310 (21030103)   503071.98
3633675.90   137.36880 (21030103)
        503121.98   3633675.90   164.31010 (21030103)   503171.98
3633675.90   185.63178 (21030103)
        503221.98   3633675.90   218.76439 (20121603)   503271.98
3633675.90   252.10523 (20121603)
        503321.98   3633675.90   263.67638 (20121603)   503371.98
3633675.90   251.30148 (20121603)
        503421.98   3633675.90   238.83688 (21063005)   503471.98
3633675.90   295.11264 (20102407)
        503521.98   3633675.90   432.40450 (19081924)   503571.98
3633675.90   622.38216 (19081924)
        503671.98   3633675.90   583.15017 (21090401)   503721.98
3633675.90   528.80102 (20050102)
        503771.98   3633675.90   534.02709 (20082503)   503821.98
3633675.90   567.41389 (20082921)
        503871.98   3633675.90   464.04157 (20032501)   503921.98
3633675.90   464.19804 (20022622)
        503971.98   3633675.90   436.20808 (21062104)   504021.98
3633675.90   439.88048 (20081021)
        504071.98   3633675.90   446.14032 (20081021)   504121.98
3633675.90   454.82317 (21013021)
        504171.98   3633675.90   455.97096 (20073022)   504221.98
3633675.90   439.28495 (20073020)
        504271.98   3633675.90   391.10518 (20072922)   504321.98
3633675.90   365.06937 (20080120)
        504371.98   3633675.90   321.61373 (21021820)   504421.98
3633675.90   314.33161 (21011520)
        504471.98   3633675.90   301.71328 (21010522)   504521.98
3633675.90   300.87664 (20080623)

```
        504571.98   3633675.90      285.27381  (19102119)                504621.98
3633675.90      271.01366  (20081805)
        504671.98   3633675.90      284.50078  (20081805)                504721.98
3633675.90      281.10198  (20081803)
        502721.98   3633725.90      119.66162  (21111004)                502771.98
3633725.90      121.26357  (21111004)
        502821.98   3633725.90      120.30886  (21111004)                502871.98
3633725.90      117.08689  (21111004)
        502921.98   3633725.90      111.28532  (21111004)                502971.98
3633725.90      103.61144  (21111004)
        503021.98   3633725.90      101.45501  (19010119)                503071.98
3633725.90      120.47384  (21030103)
        503121.98   3633725.90      152.05800  (21030103)                503171.98
3633725.90      181.32840  (21030103)
        503221.98   3633725.90      203.36568  (21030103)                503271.98
3633725.90      248.32973  (20121603)
        503321.98   3633725.90      277.94504  (20121603)                503371.98
3633725.90      280.15339  (20121603)
        503421.98   3633725.90      255.96296  (20121603)                503471.98
3633725.90      266.65691  (20102407)
        503521.98   3633725.90      315.62749  (20111701)                503571.98
3633725.90      553.01948  (19081924)
        503721.98   3633725.90      650.18467  (21090401)                503771.98
3633725.90      607.95468  (20082503)
        503821.98   3633725.90      600.38572  (20082921)                503871.98
3633725.90      491.48883  (19032124)
        503921.98   3633725.90      511.28775  (21013120)                503971.98
3633725.90      483.43297  (19102905)
        504021.98   3633725.90      489.52044  (20081021)                504071.98
3633725.90      475.23216  (21013021)
        504121.98   3633725.90      499.68413  (20073022)                504171.98
3633725.90      485.09237  (20073020)
        504221.98   3633725.90      447.67485  (21011323)                504271.98
3633725.90      460.90534  (20080120)
        504321.98   3633725.90      407.49534  (20080120)                504371.98
3633725.90      342.62075  (21011520)
        504421.98   3633725.90      326.97151  (21010522)                504471.98
3633725.90      330.28880  (20080623)
        504521.98   3633725.90      309.70966  (19102119)                504571.98
3633725.90      305.58810  (20081805)
        504621.98   3633725.90      333.49848  (20081805)                504671.98
3633725.90      324.53985  (20081803)
        504721.98   3633725.90      305.63587  (20111118)                502721.98
3633775.90      122.35389  (21111004)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44

                                PAGE  1064
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502771.98   3633775.90      127.90993  (21111004)               502821.98
3633775.90      131.16216  (21111004)
        502871.98   3633775.90      131.73528  (21111004)               502921.98
3633775.90      129.68751  (21111004)
        502971.98   3633775.90      123.60644  (21111004)               503021.98
3633775.90      115.58479  (21111004)
        503071.98   3633775.90      111.02631  (19010119)               503121.98
3633775.90      134.09661  (21030103)
        503171.98   3633775.90      169.36894  (21030103)               503221.98
3633775.90      201.14577  (21030103)
        503271.98   3633775.90      233.23976  (20121603)               503321.98
3633775.90      281.45740  (20121603)
        503371.98   3633775.90      304.26891  (20121603)               503421.98
3633775.90      293.33635  (20121603)
        503471.98   3633775.90      275.45327  (21063005)               503771.98
3633775.90      702.58631  (20082503)
        503821.98   3633775.90      632.46141  (20082921)               503871.98
3633775.90      560.20032  (20022622)
        503921.98   3633775.90      552.56149  (21013120)               503971.98
3633775.90      526.53001  (19102905)
        504021.98   3633775.90      526.89759  (20081021)               504071.98
3633775.90      567.27748  (21013021)
        504121.98   3633775.90      532.26056  (20073022)               504171.98
3633775.90      519.26894  (20073020)
        504221.98   3633775.90      500.21516  (21010102)               504271.98
3633775.90      503.95834  (20080120)
        504321.98   3633775.90      436.42659  (20081220)               504371.98
```

3633775.90 389.54670 (20082722)
504421.98 3633775.90 383.47734 (20080623) 504471.98
3633775.90 339.23702 (20080623)
504521.98 3633775.90 371.88166 (20081805) 504571.98
3633775.90 398.22673 (20081805)
504621.98 3633775.90 384.36296 (20081803) 504671.98
3633775.90 360.94234 (20111118)
504721.98 3633775.90 331.59278 (20111118) 502721.98
3633825.90 119.39422 (21111004)
502771.98 3633825.90 128.68327 (21111004) 502821.98
3633825.90 136.46076 (21111004)
502871.98 3633825.90 141.91337 (21111004) 502921.98
3633825.90 144.87031 (21111004)
502971.98 3633825.90 143.94713 (21111004) 503021.98
3633825.90 139.06899 (21111004)
503071.98 3633825.90 129.69260 (21111004) 503121.98
3633825.90 122.13014 (19010119)
503171.98 3633825.90 150.38559 (21030103) 503221.98
3633825.90 189.90079 (21030103)
503271.98 3633825.90 224.38754 (21030103) 503771.98
3633825.90 833.90133 (20082503)
503821.98 3633825.90 738.07657 (20080822) 503871.98
3633825.90 632.83719 (20022622)
503921.98 3633825.90 590.24951 (21011302) 503971.98
3633825.90 565.05274 (19102905)
504021.98 3633825.90 603.63155 (20032321) 504071.98
3633825.90 596.69274 (21013021)
504121.98 3633825.90 561.77207 (21120723) 504171.98
3633825.90 581.09160 (21011323)
504221.98 3633825.90 561.78971 (20011902) 504271.98
3633825.90 540.52707 (21021820)
504321.98 3633825.90 496.37396 (21011520) 504371.98
3633825.90 478.73469 (20080623)
504421.98 3633825.90 428.01818 (20080623) 504471.98
3633825.90 441.30381 (20081805)
504521.98 3633825.90 443.11222 (20081805) 504571.98
3633825.90 443.45378 (20081803)
504621.98 3633825.90 409.16421 (20111118) 504671.98
3633825.90 386.09403 (21011418)
504721.98 3633825.90 375.52522 (21011418) 502721.98
3633875.90 110.58088 (21111004)
502771.98 3633875.90 122.89954 (21111004) 502821.98
3633875.90 134.57547 (21111004)
502871.98 3633875.90 144.87746 (21111004) 502921.98
3633875.90 153.75051 (21111004)
502971.98 3633875.90 158.79946 (21111004) 503021.98
3633875.90 159.86492 (21111004)
503071.98 3633875.90 156.50310 (21111004) 503121.98
3633875.90 148.23471 (21111004)
503171.98 3633875.90 135.52163 (19010119) 503221.98

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503871.98   3633875.90   697.36807 (20022622)   503921.98
3633875.90   649.52576 (21011302)
        503971.98   3633875.90   664.19683 (20032321)   504021.98
3633875.90   715.15124 (20032321)
        504071.98   3633875.90   629.36294 (19033021)   504121.98
3633875.90   634.62698 (19033021)
        504171.98   3633875.90   623.34599 (21010102)   504221.98
3633875.90   610.03641 (19022705)
        504271.98   3633875.90   580.86644 (21011520)   504321.98
3633875.90   527.15020 (20080623)
        504371.98   3633875.90   495.48133 (19102119)   504421.98
3633875.90   518.78025 (20081805)
        504471.98   3633875.90   504.75639 (20081803)   504521.98
3633875.90   493.41676 (20081803)
        504571.98   3633875.90   452.67502 (20111118)   504621.98
3633875.90   443.12437 (21011418)
        504671.98   3633875.90   393.15255 (21011418)   504721.98
3633875.90   348.03075 (21011418)

```
        502721.98   3633925.90      132.01596  (21012320)              502771.98
3633925.90      125.75142  (21012320)
        502821.98   3633925.90      125.33551  (21111004)              502871.98
3633925.90      139.81469  (21111004)
        502921.98   3633925.90      153.63109  (21111004)              502971.98
3633925.90      164.99928  (21111004)
        503021.98   3633925.90      173.52732  (21111004)              503071.98
3633925.90      177.82138  (21111004)
        503121.98   3633925.90      176.48860  (21111004)              503171.98
3633925.90      169.25148  (21111004)
        503221.98   3633925.90      154.69846  (21111004)              503271.98
3633925.90      193.25596  (21030103)
        503821.98   3633925.90      848.01628  (21082504)              503871.98
3633925.90      801.20433  (19050105)
        503921.98   3633925.90      705.74439  (21022205)              503971.98
3633925.90      773.23841  (20032321)
        504021.98   3633925.90      761.01293  (20032321)              504071.98
3633925.90      753.42767  (19033021)
        504121.98   3633925.90      683.52646  (21060903)              504171.98
3633925.90      679.02123  (19022705)
        504221.98   3633925.90      670.90910  (21011520)              504271.98
3633925.90      620.58568  (19122301)
        504321.98   3633925.90      604.30847  (20081805)              504371.98
3633925.90      638.19745  (20081805)
        504421.98   3633925.90      608.31457  (20081803)              504471.98
3633925.90      545.34764  (20081803)
        504521.98   3633925.90      499.70457  (21011418)              504571.98
3633925.90      469.46403  (21011418)
        504621.98   3633925.90      412.42859  (21011418)              504671.98
3633925.90      353.95346  (20081722)
        504721.98   3633925.90      319.00146  (21091121)              502721.98
3633975.90      159.84451  (21012320)
        502771.98   3633975.90      156.99828  (21012320)              502821.98
3633975.90      151.55597  (21012320)
        502871.98   3633975.90      145.82017  (21012320)              502921.98
3633975.90      144.13810  (21111004)
        502971.98   3633975.90      160.78708  (21111004)              503021.98
3633975.90      176.36696  (21111004)
        503071.98   3633975.90      189.13925  (21111004)              503121.98
3633975.90      197.46040  (21111004)
        503171.98   3633975.90      199.53104  (21111004)              503221.98
3633975.90      194.29408  (21111004)
        503271.98   3633975.90      181.76157  (21111004)              503821.98
3633975.90      875.55961  (21082504)
        503871.98   3633975.90      809.44255  (21013120)              503921.98
3633975.90      639.94260  (21022105)
        503971.98   3633975.90      772.41085  (20032321)              504021.98
3633975.90      775.90112  (19033021)
        504071.98   3633975.90      792.65330  (19033021)              504121.98
3633975.90      737.66544  (20011902)
```

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502721.98   3634025.90   180.75035 (21012320)   502771.98
3634025.90   183.69774 (21012320)
        502821.98   3634025.90   184.06569 (21012320)   502871.98
3634025.90   182.58674 (21012320)
        502921.98   3634025.90   178.56849 (21012320)   502971.98
3634025.90   171.06711 (21012320)
        503021.98   3634025.90   167.28994 (21111004)   503071.98
3634025.90   187.11131 (21111004)
        503121.98   3634025.90   205.02421 (21111004)   503171.98

3634025.90 218.81907 (21111004)
503221.98 3634025.90 225.95490 (21111004) 503271.98
3634025.90 224.30225 (21111004)
503871.98 3634025.90 726.52390 (21013120) 503921.98
3634025.90 650.55064 (21022105)
503971.98 3634025.90 790.76586 (20032321) 504021.98
3634025.90 748.94224 (21120723)
504071.98 3634025.90 784.70158 (21011323) 504121.98
3634025.90 803.35384 (21021820)
504171.98 3634025.90 802.50845 (21082503) 504221.98
3634025.90 886.73446 (20081805)
504271.98 3634025.90 881.20786 (20081805) 504321.98
3634025.90 789.11855 (20081803)
504371.98 3634025.90 704.42391 (20081603) 504421.98
3634025.90 575.79176 (21011418)
504471.98 3634025.90 490.07098 (21011418) 504521.98
3634025.90 409.97796 (20081722)
504571.98 3634025.90 377.27120 (20080422) 504621.98
3634025.90 344.58066 (20072623)
504671.98 3634025.90 314.18121 (20072623) 504721.98
3634025.90 303.38404 (20081804)
502721.98 3634075.90 188.57107 (21012320) 502771.98
3634075.90 196.32082 (21012320)
502821.98 3634075.90 203.57532 (21012320) 502871.98
3634075.90 209.74144 (21012320)
502921.98 3634075.90 213.24126 (21012320) 502971.98
3634075.90 213.99662 (21012320)
503021.98 3634075.90 212.30576 (21012320) 503071.98
3634075.90 206.37860 (21012320)
503121.98 3634075.90 196.86445 (21111004) 503171.98
3634075.90 220.84808 (21111004)
503221.98 3634075.90 241.40794 (21111004) 503271.98
3634075.90 255.67218 (21111004)
503871.98 3634075.90 744.60258 (21022105) 503921.98
3634075.90 708.24101 (21022105)
503971.98 3634075.90 674.93931 (21022020) 504021.98
3634075.90 822.72833 (21022020)
504071.98 3634075.90 876.60450 (19022705) 504121.98
3634075.90 879.08487 (21011520)
504171.98 3634075.90 1048.89577 (20081805) 504221.98
3634075.90 1023.35268 (20081803)
504271.98 3634075.90 976.22103 (20081603) 504321.98
3634075.90 805.74123 (20081603)
504371.98 3634075.90 603.81382 (21011418) 504421.98
3634075.90 497.67270 (21011418)
504471.98 3634075.90 437.19608 (20080422) 504521.98
3634075.90 396.56380 (20072623)
504571.98 3634075.90 361.52026 (20081804) 504621.98
3634075.90 337.09774 (20081804)
504671.98 3634075.90 322.28240 (20081804) 504721.98

```
3634075.90      309.84082  (20081804)
        502721.98   3634125.90      181.31895  (21012320)                502771.98
3634125.90      193.58598  (21012320)
        502821.98   3634125.90      206.78151  (21012320)                502871.98
3634125.90      220.01446  (21012320)
        502921.98   3634125.90      231.26888  (21012320)                502971.98
3634125.90      241.21222  (21012320)
        503021.98   3634125.90      249.59148  (21012320)                503071.98
3634125.90      254.32342  (21012320)
        503121.98   3634125.90      255.46425  (21012320)                503171.98
3634125.90      251.96927  (21012320)
        503221.98   3634125.90      239.04984  (21012320)                503271.98
3634125.90      264.66445  (21111004)
        503921.98   3634125.90      787.21228  (20050805)                503971.98
3634125.90      810.21539  (21022020)
        504021.98   3634125.90      877.31890  (21120804)                504071.98
3634125.90      908.03934  (21011520)
        504121.98   3634125.90      848.52461  (20081805)                504171.98
3634125.90     1098.34752  (20081803)
        504221.98   3634125.90     1080.40201  (20081603)                504271.98
3634125.90      890.78402  (20081603)
🡅 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1067
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
        504321.98   3634125.90      702.36057  (20080721)              504371.98
3634125.90      580.27328  (21040622)
        504421.98   3634125.90      495.12036  (20072623)              504471.98
3634125.90      451.18113  (20081804)
        504521.98   3634125.90      418.36752  (20081804)              504571.98
3634125.90      365.06994  (20081804)
        504621.98   3634125.90      315.79349  (20081804)              504671.98
3634125.90      295.70174  (20081804)
        504721.98   3634125.90      271.78906  (21121821)              502721.98
3634175.90      159.54421  (21012320)
        502771.98   3634175.90      175.51608  (21012320)              502821.98
3634175.90      192.66693  (21012320)
        502871.98   3634175.90      210.56009  (21012320)              502921.98
3634175.90      227.92766  (21012320)
        502971.98   3634175.90      245.49073  (21012320)              503021.98
3634175.90      263.20940  (21012320)
        503071.98   3634175.90      278.95417  (21012320)              503121.98
3634175.90      293.18733  (21012320)
        503171.98   3634175.90      304.42404  (21012320)              503221.98
3634175.90      310.77124  (21012320)
        503271.98   3634175.90      312.62491  (21012320)              503971.98
3634175.90      958.85260  (21120804)
        504021.98   3634175.90     1065.68276  (21022623)              504071.98
3634175.90      961.37075  (21010724)
        504121.98   3634175.90      855.66542  (19120524)              504171.98
3634175.90      795.77830  (20081805)
        504221.98   3634175.90      866.35699  (20081603)              504271.98
3634175.90      833.99589  (21040622)
        504321.98   3634175.90      769.84101  (21081123)              504371.98
3634175.90      575.63838  (19121305)
        504421.98   3634175.90      475.04415  (20081804)              504471.98
3634175.90      415.28026  (20081804)
        504521.98   3634175.90      362.02284  (20081804)              504571.98
3634175.90      326.83094  (21121821)
        504621.98   3634175.90      304.28028  (20121224)              504671.98
3634175.90      284.23842  (20020703)
        504721.98   3634175.90      259.57092  (20020703)              502721.98
3634225.90      164.79200  (19083104)
        502771.98   3634225.90      171.35068  (19083104)              502821.98
3634225.90      177.96118  (19083104)
        502871.98   3634225.90      184.51957  (21012320)              502921.98
3634225.90      204.94707  (21012320)
        502971.98   3634225.90      226.93883  (21012320)              503021.98
3634225.90      250.39031  (21012320)
        503071.98   3634225.90      273.83460  (21012320)              503121.98
3634225.90      297.59074  (21012320)
        503171.98   3634225.90      321.00533  (21012320)              503221.98
3634225.90      344.34814  (21012320)
        503271.98   3634225.90      367.93132  (21012320)              504071.98
3634225.90     1060.85873  (20121318)
```

```
        504121.98   3634225.90      899.24527  (21021922)                504171.98
3634225.90      771.78082  (20081803)
        504221.98   3634225.90      666.61976  (20081603)                504271.98
3634225.90      812.40276  (20081502)
        504321.98   3634225.90      816.18458  (20081502)                504371.98
3634225.90      519.19027  (20090623)
        504421.98   3634225.90      416.97239  (20121224)                504471.98
3634225.90      382.11734  (20020703)
        504521.98   3634225.90      339.69590  (20020703)                504571.98
3634225.90      322.43396  (21122121)
        504621.98   3634225.90      306.34154  (21122121)                504671.98
3634225.90      285.09896  (20121803)
        504721.98   3634225.90      269.28283  (20121803)                502721.98
3634275.90      170.82537  (19083104)
        502771.98   3634275.90      180.22479  (19083104)                502821.98
3634275.90      190.65520  (19083104)
        502871.98   3634275.90      202.16509  (19083104)                502921.98
3634275.90      212.44866  (19083104)
        502971.98   3634275.90      223.31301  (19083104)                503021.98
3634275.90      235.88948  (19083104)
        503071.98   3634275.90      248.34647  (19083104)                503121.98
3634275.90      273.27708  (21012320)
        503171.98   3634275.90      303.53096  (21012320)                503221.98
3634275.90      334.72827  (21012320)
        503271.98   3634275.90      368.88206  (21012320)                504121.98
3634275.90      935.09366  (21020122)
        504171.98   3634275.90      786.42354  (21010422)                504221.98
3634275.90      956.43473  (20090623)
        504271.98   3634275.90      864.82275  (20080102)                504321.98
3634275.90      794.65472  (20080102)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1068
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504371.98	3634275.90	557.62770	(21122121)	504421.98	3634275.90	435.35867	(20121803)
504471.98	3634275.90	386.04650	(20121803)	504521.98	3634275.90	352.90071	(21122201)
504571.98	3634275.90	321.07125	(19021906)	504621.98	3634275.90	296.56400	(19021906)
504671.98	3634275.90	270.63726	(19021906)	504721.98	3634275.90	253.66209	(20013123)
502721.98	3634325.90	159.35045	(19083104)	502771.98	3634325.90	170.54320	(19083104)
502821.98	3634325.90	182.42359	(19083104)	502871.98	3634325.90	198.68237	(19083104)
502971.98	3634325.90	226.25759	(19083104)	503021.98	3634325.90	242.96318	(19083104)
503071.98	3634325.90	260.96629	(19083104)	503121.98	3634325.90	280.24652	(19083104)
503171.98	3634325.90	301.69762	(19083104)	503221.98	3634325.90	325.76864	(19083104)
503271.98	3634325.90	353.78292	(19083104)	504171.98	3634325.90	748.62899	(20010320)
504221.98	3634325.90	955.03661	(20073024)	504271.98	3634325.90	817.97930	(20073024)
504321.98	3634325.90	767.22558	(20073024)	504371.98	3634325.90	592.35072	(20073024)
504421.98	3634325.90	446.38101	(20013123)	504471.98	3634325.90	376.32947	(20082805)
504521.98	3634325.90	335.06980	(20013123)	504571.98	3634325.90	303.31220	(21013019)
504621.98	3634325.90	281.53825	(21013019)	504671.98	3634325.90	263.06590	(21013019)
504721.98	3634325.90	247.23280	(21013019)	502721.98	3634375.90	146.47807	(21021102)
502771.98	3634375.90	155.09955	(21021102)	502821.98	3634375.90	164.02579	(21021102)
503021.98	3634375.90	222.35884	(19083104)	503071.98	3634375.90	242.73591	(19083104)
503121.98	3634375.90	264.03192	(19083104)	503171.98	3634375.90	287.19830	(19083104)
503221.98	3634375.90	313.27080	(19083104)	503271.98	3634375.90	342.24711	(19083104)
504221.98	3634375.90	1090.71813	(20082306)	504271.98			

3634375.90   988.97238 (20082306)
        504321.98   3634375.90   878.14607 (20082306)   504371.98
3634375.90   719.97458 (20082306)
        504421.98   3634375.90   475.11414 (20082306)   504471.98
3634375.90   369.79819 (21021007)
        504521.98   3634375.90   341.07604 (21021007)   504571.98
3634375.90   313.82969 (21021007)
        504621.98   3634375.90   290.14131 (21021007)   504671.98
3634375.90   270.67864 (21021007)
        504721.98   3634375.90   254.46923 (21021007)   502721.98
3634425.90   183.67347 (21021102)
        502771.98   3634425.90   194.43676 (21021102)   502821.98
3634425.90   206.32521 (21021102)
        504271.98   3634425.90   517.55447 (21011518)   504321.98
3634425.90   622.76421 (20082304)
        504371.98   3634425.90   596.17567 (20082306)   504421.98
3634425.90   447.61860 (20041201)
        504471.98   3634425.90   342.16140 (20011720)   504521.98
3634425.90   318.22793 (20011720)
        504571.98   3634425.90   295.73608 (20011720)   504621.98
3634425.90   275.59924 (20011720)
        504671.98   3634425.90   256.82007 (20011720)   504721.98
3634425.90   239.81171 (20011720)
        502721.98   3634475.90   206.00527 (21021102)   502771.98
3634475.90   218.40605 (21021102)
        502821.98   3634475.90   231.30376 (21021102)   504321.98
3634475.90   429.80478 (21011518)
        504371.98   3634475.90   518.93728 (20082805)   504421.98
3634475.90   474.00021 (20041201)
        504471.98   3634475.90   445.71753 (20041201)   504521.98
3634475.90   389.41930 (20041201)
        504571.98   3634475.90   359.93621 (20041201)   504621.98
3634475.90   336.61544 (20041201)
        504671.98   3634475.90   289.97238 (20041201)   504721.98
3634475.90   251.97087 (20041201)
        502721.98   3634525.90   205.06832 (21021102)   502771.98
3634525.90   214.78348 (21021102)
        504371.98   3634525.90   407.51162 (21020220)   504421.98
3634525.90   416.58026 (20082306)

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002

```
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
        504471.98   3634525.90      602.27991  (20082306)                504521.98
3634525.90      495.53110  (20082306)
        504571.98   3634525.90      419.79724  (20082306)                504621.98
3634525.90      367.02516  (20081806)
        504671.98   3634525.90      316.09111  (20041201)                504721.98
3634525.90      275.11329  (20041201)
        502721.98   3634575.90      182.07774  (21021102)                502771.98
3634575.90      189.12615  (21021102)
        504421.98   3634575.90      378.46212  (21020220)                504471.98
3634575.90      350.13235  (21020220)
        504521.98   3634575.90      374.75119  (20082304)                504571.98
3634575.90      449.07618  (21012820)
        504621.98   3634575.90      378.66035  (21012820)                504671.98
3634575.90      363.10075  (20081806)
        504721.98   3634575.90      332.60550  (20081806)                502721.98
3634625.90      178.15136  (19050903)
        502771.98   3634625.90      193.22663  (19050903)                502821.98
3634625.90      209.92646  (19050903)
        502871.98   3634625.90      226.76880  (19050903)                502921.98
3634625.90      243.91233  (19050903)
        502971.98   3634625.90      261.33044  (19050903)                503021.98
3634625.90      278.43194  (19050903)
        503071.98   3634625.90      294.92484  (19050903)                503121.98
3634625.90      310.43498  (19050903)
        504471.98   3634625.90      346.83951  (21020220)                504521.98
3634625.90      323.97901  (21020220)
        504571.98   3634625.90      313.19278  (21020220)                504621.98
3634625.90      376.74956  (20082303)
        504671.98   3634625.90      345.84967  (21012820)                504721.98
3634625.90      339.19135  (20081806)
        502721.98   3634675.90      192.93069  (19050903)                502771.98
3634675.90      204.57132  (19050903)
```

```
        502821.98   3634675.90      216.30049  (19050903)                502871.98
3634675.90      227.12611  (19050903)
        502921.98   3634675.90      237.08256  (19050903)                502971.98
3634675.90      246.28535  (19050903)
        503021.98   3634675.90      253.87753  (19050903)                503071.98
3634675.90      260.55735  (19050903)
        503121.98   3634675.90      266.73952  (19050903)                503171.98
3634675.90      294.49093  (20021724)
        503221.98   3634675.90      364.96038  (21011719)                503271.98
3634675.90      424.29160  (21011719)
        503321.98   3634675.90      451.47381  (21011719)                503371.98
3634675.90      490.00492  (20022207)
        503421.98   3634675.90      596.82755  (20022207)                503471.98
3634675.90      684.64131  (20022207)
        503521.98   3634675.90      785.58500  (20022207)                504521.98
3634675.90      308.24948  (21020220)
        504571.98   3634675.90      290.84345  (21020220)                504621.98
3634675.90      307.65556  (21020220)
        504671.98   3634675.90      293.68045  (21020220)                504721.98
3634675.90      344.55490  (20082303)
        502721.98   3634725.90      187.30903  (19050903)                502771.98
3634725.90      193.24704  (19050903)
        502821.98   3634725.90      198.23467  (19050903)                502871.98
3634725.90      202.31887  (19050903)
        502921.98   3634725.90      204.76699  (19050903)                502971.98
3634725.90      205.97500  (19050903)
        503021.98   3634725.90      216.77114  (20021724)                503071.98
3634725.90      255.47939  (20021724)
        503121.98   3634725.90      302.83677  (21011719)                503171.98
3634725.90      354.26087  (21011719)
        503221.98   3634725.90      387.51512  (21011719)                503271.98
3634725.90      406.05103  (21011719)
        503321.98   3634725.90      467.34779  (20022207)                503371.98
3634725.90      553.07223  (20022207)
        503421.98   3634725.90      622.05249  (20022207)                503471.98
3634725.90      688.34000  (21012023)
        503521.98   3634725.90      758.04704  (21012023)                503571.98
3634725.90      841.75364  (21121424)
        503621.98   3634725.90      948.89823  (19121706)                504571.98
3634725.90      260.08258  (21020220)
        504621.98   3634725.90      250.65733  (21020220)                504671.98
3634725.90      271.82980  (21020220)
        504721.98   3634725.90      276.39389  (21020220)                502721.98
3634775.90      164.43399  (19050903)
        502771.98   3634775.90      164.68660  (19050903)                502821.98
3634775.90      163.98242  (19050903)
        502871.98   3634775.90      165.35409  (20021724)                502921.98
3634775.90      194.12839  (20021724)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000310   , L0000311   , L0000312   ,
                 L0000313   , L0000314   , L0000315   , L0000316   , L0000317 , L0000318   , L0000319   , L0000910   ,
                 L0000911   , L0000912   , L0000913   , L0000914   , L0000915 , L0000916   , L0000917   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3634825.90 174.94093 (20021724)
502871.98 3634825.90 199.51310 (20021724) 502921.98
3634825.90 225.83976 (21011719)
502971.98 3634825.90 263.81515 (21011719) 503021.98
3634825.90 294.99624 (21011719)
503071.98 3634825.90 317.55736 (21011719) 503121.98
3634825.90 333.70232 (21011719)
503171.98 3634825.90 355.26136 (20022207) 503221.98
3634825.90 416.18776 (20022207)
503271.98 3634825.90 460.69324 (20022207) 503321.98
3634825.90 488.56105 (21012023)
503371.98 3634825.90 528.86341 (21012023) 503421.98
3634825.90 523.45360 (20040823)
503471.98 3634825.90 587.43466 (21121424) 503521.98
3634825.90 650.26525 (21121424)
503571.98 3634825.90 703.82964 (19121706) 503621.98
3634825.90 611.03164 (19121706)
503671.98 3634825.90 717.68270 (20120224) 503721.98
3634825.90 857.43509 (21021806)
503771.98 3634825.90 904.01670 (21012024) 503821.98
3634825.90 720.66677 (21012024)
503871.98 3634825.90 648.70556 (21013118) 503921.98
3634825.90 662.89914 (21013118)
504671.98 3634825.90 188.87801 (20082303) 504721.98
3634825.90 222.67285 (20082303)
502721.98 3634875.90 158.40027 (20021724) 502771.98
3634875.90 178.41066 (20021724)
502821.98 3634875.90 200.01382 (21011719) 502871.98
3634875.90 232.82575 (21011719)
502921.98 3634875.90 261.22259 (21011719) 502971.98
3634875.90 282.68285 (21011719)
503021.98 3634875.90 296.98827 (21011719) 503071.98
3634875.90 304.69873 (21011719)
503121.98 3634875.90 342.22569 (20022207) 503171.98
3634875.90 386.54753 (20022207)
503221.98 3634875.90 413.49194 (20022207) 503271.98
3634875.90 441.30125 (21012023)
503321.98 3634875.90 461.72024 (21012023) 503371.98
3634875.90 459.84147 (20040823)
503421.98 3634875.90 504.27969 (21121424) 503471.98
3634875.90 561.61368 (21121424)
503521.98 3634875.90 597.26184 (19121706) 503571.98
3634875.90 576.21069 (19121706)
503621.98 3634875.90 515.96588 (19020322) 503671.98
3634875.90 668.82495 (20120224)
503721.98 3634875.90 752.24771 (21021806) 503771.98
3634875.90 782.69445 (21012024)
503821.98 3634875.90 646.53990 (21012024) 503871.98
3634875.90 600.92228 (21013118)
503921.98 3634875.90 860.39408 (20121721) 504721.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

503721.98 3634925.90 752.74559 (21021806) 503771.98
3634925.90 837.95022 (21012024)
503821.98 3634925.90 921.57583 (19122420) 503871.98
3634925.90 947.82519 (20092001)
502721.98 3634975.90 209.63731 (21011719) 502771.98
3634975.90 227.59862 (21011719)
502821.98 3634975.90 239.68577 (21011719) 502871.98
3634975.90 244.82296 (21011719)
502921.98 3634975.90 242.11416 (21011719) 502971.98
3634975.90 273.06724 (20022207)
503021.98 3634975.90 305.55304 (20022207) 503071.98
3634975.90 324.95963 (20022207)
503121.98 3634975.90 333.07089 (21012023) 503171.98
3634975.90 357.81850 (21012023)
503221.98 3634975.90 355.50743 (21012023) 503271.98
3634975.90 363.88492 (20040823)
503321.98 3634975.90 391.53748 (20040823) 503371.98
3634975.90 434.98368 (21121424)
503421.98 3634975.90 430.29504 (19121706) 503471.98
3634975.90 475.34163 (19121706)
503521.98 3634975.90 422.75246 (19121706) 503571.98
3634975.90 402.38061 (19020322)
503621.98 3634975.90 472.83376 (20120224) 503671.98
3634975.90 548.14372 (20120224)
503721.98 3634975.90 767.48248 (21081004) 503771.98
3634975.90 904.62852 (20071102)
503821.98 3634975.90 822.74723 (21061222) 503871.98
3634975.90 780.05176 (19122420)
502721.98 3635025.90 217.24273 (21011719) 502771.98
3635025.90 222.09929 (21011719)
502821.98 3635025.90 219.76964 (21011719) 502871.98
3635025.90 230.90431 (20022207)
502921.98 3635025.90 262.06407 (20022207) 502971.98
3635025.90 284.94273 (20022207)
503021.98 3635025.90 294.89872 (20022207) 503071.98
3635025.90 307.33013 (21012023)
503121.98 3635025.90 323.27191 (21012023) 503171.98
3635025.90 314.81826 (21012023)
503221.98 3635025.90 327.57883 (20040823) 503271.98
3635025.90 350.84566 (20040823)
503321.98 3635025.90 386.41897 (21121424) 503371.98
3635025.90 386.07790 (21121424)
503421.98 3635025.90 422.05622 (19121706) 503471.98
3635025.90 405.49473 (19121706)
503521.98 3635025.90 356.36278 (19020322) 503571.98
3635025.90 347.47874 (19020322)
503621.98 3635025.90 457.44497 (20120224) 503671.98
3635025.90 570.72554 (20120224)
503721.98 3635025.90 818.63667 (21081004) 503771.98
3635025.90 809.15863 (20071102)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503421.98	3635075.90	379.76181	(19121706)	503471.98	3635075.90	321.20719	(19121706)
503521.98	3635075.90	326.20555	(19020322)	503571.98	3635075.90	339.82659	(20120224)
503621.98	3635075.90	434.21131	(20120224)	503671.98	3635075.90	503821.98	3635025.90	691.53069	(19072224)	504371.98	3635025.90	258.48074	(21012617)
502721.98	3635075.90	200.96254	(21011719)	502771.98	3635075.90	196.15459	(20022207)
502821.98	3635075.90	225.05013	(20022207)	502871.98	3635075.90	248.91609	(20022207)
502921.98	3635075.90	263.85951	(20022207)	502971.98	3635075.90	266.39592	(20022207)
503021.98	3635075.90	283.42526	(21012023)	503071.98	3635075.90	292.12615	(21012023)
503121.98	3635075.90	279.85799	(21012023)	503171.98	3635075.90	296.85142	(20040823)
503221.98	3635075.90	316.78572	(20040823)	503271.98	3635075.90	345.13914	(21121424)
503321.98	3635075.90	352.11600	(21121424)	503371.98	3635075.90	371.80875	(19121706)

```
3635075.90      535.53905  (21021806)
        503721.98   3635075.90      720.19306  (19101219)              503771.98
3635075.90      747.42723  (20071102)
        503821.98   3635075.90      643.15505  (19072224)              504371.98
3635075.90      246.28471  (20011620)
        504421.98   3635075.90      234.92639  (21012617)              504471.98
3635075.90      236.10686  (21012617)
        504521.98   3635075.90      228.09406  (21012617)              502721.98
3635125.90      194.02428  (20022207)
        502771.98   3635125.90      217.16911  (20022207)              502821.98
3635125.90      234.38604  (20022207)
        502871.98   3635125.90      242.91488  (20022207)              502921.98
3635125.90      242.64609  (21012023)
        502971.98   3635125.90      261.39456  (21012023)              503021.98
3635125.90      264.77430  (21012023)
        503071.98   3635125.90      250.11046  (21012023)              503121.98
3635125.90      270.58849  (20040823)
        503171.98   3635125.90      288.01723  (20040823)              503221.98
3635125.90      309.44523  (21121424)
        503271.98   3635125.90      321.43863  (21121424)              503321.98
3635125.90      325.17534  (19121706)
        503371.98   3635125.90      349.00345  (19121706)              503421.98
3635125.90      317.37115  (19121706)
        503471.98   3635125.90      292.61456  (19020322)              503521.98
3635125.90      288.18349  (19020322)
        503571.98   3635125.90      390.32983  (20120224)              503621.98
3635125.90      474.22666  (20120224)
        503671.98   3635125.90      561.14422  (21021806)              503721.98
3635125.90      694.43559  (19101219)
        503771.98   3635125.90      635.01796  (20071102)              503821.98
3635125.90      580.11926  (19072224)
        504371.98   3635125.90      242.06435  (20011620)              504421.98
3635125.90      225.84397  (20011620)
        504471.98   3635125.90      214.73215  (21012617)              504521.98
3635125.90      217.97109  (21012617)
        504571.98   3635125.90      212.63316  (21012617)              502721.98
3635175.90      208.10382  (20022207)
        502771.98   3635175.90      219.56446  (20022207)              502821.98
3635175.90      222.64849  (20022207)
        502871.98   3635175.90      227.72525  (21012023)              502921.98
3635175.90      241.35352  (21012023)
        502971.98   3635175.90      240.74529  (21012023)              503021.98
3635175.90      224.73019  (21012023)
        503071.98   3635175.90      247.73354  (20040823)              503121.98
3635175.90      263.24213  (20040823)
        503171.98   3635175.90      279.20803  (21121424)              503221.98
3635175.90      293.98713  (21121424)
        503271.98   3635175.90      283.91174  (19121706)              503321.98
3635175.90      316.83049  (19121706)
        503371.98   3635175.90      305.53460  (19121706)              503421.98
```

3635175.90   255.00120 (19020322)
        503471.98   3635175.90   270.69118 (19020322)   503521.98
3635175.90   249.87541 (20120224)
        503571.98   3635175.90   408.27024 (20120224)   503621.98
3635175.90   486.29208 (20120224)
        503671.98   3635175.90   570.64768 (21081004)   503721.98
3635175.90   609.06198 (19101219)
        503771.98   3635175.90   576.71828 (19072223)   503821.98
3635175.90   516.62887 (19072224)
        504371.98   3635175.90   226.65217 (20011620)   504421.98
3635175.90   223.20820 (20011620)
        504471.98   3635175.90   207.93450 (20011620)   504521.98
3635175.90   197.50842 (21012617)
        504571.98   3635175.90   202.62262 (21012617)   504621.98
3635175.90   199.00169 (21012617)
        502721.98   3635225.90   205.17786 (20022207)   502771.98
3635225.90   204.36882 (20022207)
        502821.98   3635225.90   214.32318 (21012023)   502871.98
3635225.90   222.90172 (21012023)
        502921.98   3635225.90   219.33416 (21012023)   502971.98
3635225.90   203.00491 (21012023)
        503021.98   3635225.90   228.06528 (20040823)   503071.98
3635225.90   241.82944 (20040823)
        503121.98   3635225.90   252.98863 (21121424)   503171.98
3635225.90   269.92104 (21121424)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000310   , L0000311   , L0000312   ,
                 L0000313   , L0000314   , L0000315   , L0000316   , L0000317 , L0000318   , L0000319   , L0000910   ,
                 L0000911   , L0000912   , L0000913   , L0000914   , L0000915 , L0000916   , L0000917   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503221.98	3635225.90	258.88074	(21121424)	503271.98	3635225.90	285.77603	(19121706)
503321.98	3635225.90	289.39844	(19121706)	503371.98	3635225.90	253.23008	(19121706)
503421.98	3635225.90	246.10208	(19020322)	503471.98	3635225.90	244.10706	(19020322)
503521.98	3635225.90	258.43794	(20120224)	503571.98	3635225.90	439.61306	(20120224)
503621.98	3635225.90	572.79544	(19031924)	503671.98	3635225.90	589.59993	(21081004)
504371.98	3635225.90	202.69787	(20011620)	504421.98	3635225.90	210.93472	(20011620)
504471.98	3635225.90	206.70901	(20011620)	504521.98	3635225.90	192.67008	(20011620)
504571.98	3635225.90	184.08521	(21012617)	504621.98	3635225.90	187.87075	(21012617)
502721.98	3635275.90	187.20608	(21012023)	502771.98	3635275.90	201.03184	(21012023)
502821.98	3635275.90	206.10688	(21012023)	502871.98	3635275.90	200.61383	(21012023)
502921.98	3635275.90	187.10947	(20040823)	502971.98	3635275.90	210.61444	(20040823)
503021.98	3635275.90	222.65994	(20040823)	503071.98	3635275.90	229.65923	(21121424)
503121.98	3635275.90	247.39394	(21121424)	503171.98	3635275.90	241.97756	(21121424)
503221.98	3635275.90	255.89534	(19121706)	503271.98	3635275.90	269.70383	(19121706)
503321.98	3635275.90	249.49417	(19121706)	503371.98	3635275.90	217.54293	(19020322)
503421.98	3635275.90	230.24426	(19020322)	503471.98	3635275.90	214.57850	(19020322)
503521.98	3635275.90	262.84677	(20120224)	503571.98	3635275.90	370.76626	(20120224)
503621.98	3635275.90	492.25648	(19031924)	504371.98	3635275.90	175.93868	(20011620)
504421.98	3635275.90	226.56291	(20011620)	504471.98	3635275.90	198.67951	(20011620)
504521.98	3635275.90	193.07383	(20011620)	504571.98	3635275.90	179.62224	(20011620)
504621.98	3635275.90	182.99530	(21012617)	504671.98	3635275.90	175.46957	(21012617)
502721.98	3635325.90	189.05520	(21012023)	502771.98	3635325.90	192.62885	(21012023)
502821.98	3635325.90	186.01212	(21012023)	502871.98	3635325.90	175.22151	(20040823)

```
        502921.98   3635325.90      196.20937  (20040823)                502971.98
3635325.90      206.75767  (20040823)
        503021.98   3635325.90      210.94665  (21121424)                503071.98
3635325.90      229.75774  (21121424)
        503121.98   3635325.90      229.17067  (21121424)                503171.98
3635325.90      229.08138  (19121706)
        503221.98   3635325.90      248.85118  (19121706)                503271.98
3635325.90      241.04995  (19121706)
        503321.98   3635325.90      205.61191  (19121706)                503371.98
3635325.90      210.41802  (19020322)
        503421.98   3635325.90      209.83322  (19020322)                503471.98
3635325.90      199.12225  (20120224)
        503521.98   3635325.90      261.88320  (20120224)                503571.98
3635325.90      294.48738  (20120224)
        503621.98   3635325.90      423.44717  (19031924)                504371.98
3635325.90      173.93755  (20011620)
        504421.98   3635325.90      197.21913  (20011620)                504471.98
3635325.90      182.73399  (20011620)
        504521.98   3635325.90      185.26249  (20011620)                504571.98
3635325.90      179.69871  (20011620)
        504621.98   3635325.90      170.69136  (20011620)                504671.98
3635325.90      184.86400  (21012617)
        504721.98   3635325.90      164.40150  (21012617)                502721.98
3635375.90      206.75485  (21012023)
        502771.98   3635375.90      243.35389  (20122721)                502821.98
3635375.90      263.08417  (20122721)
        502871.98   3635375.90      270.95610  (20070801)                502921.98
3635375.90      263.93114  (20040823)
        502971.98   3635375.90      214.17726  (20040823)                503021.98
3635375.90      309.45823  (21121424)
        503071.98   3635375.90      335.26401  (19091321)                503121.98
3635375.90      239.33606  (21121424)
        503171.98   3635375.90      245.82976  (19121706)                503221.98
3635375.90      229.68575  (19121706)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1074
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                               INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                 L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
```

L0000911 , L0000912 , L0000913 , L0000914 , L0000915
, L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635375.90	206.06578	(19121706)	503321.98	3635375.90	188.34628	(19020322)
503371.98	3635375.90	198.23768	(19020322)	503421.98	3635375.90	187.42256	(19020322)
503471.98	3635375.90	206.15223	(20120224)	503521.98	3635375.90	256.98910	(20120224)
503571.98	3635375.90	274.81024	(20120224)	503621.98	3635375.90	339.49027	(21021806)
503671.98	3635375.90	451.43682	(21081004)	503721.98	3635375.90	481.94327	(19101219)
504371.98	3635375.90	159.58964	(21121422)	504421.98	3635375.90	154.81657	(20011620)
504471.98	3635375.90	160.90900	(20011620)	504521.98	3635375.90	171.96272	(20011620)
504571.98	3635375.90	173.78093	(20011620)	504621.98	3635375.90	181.94163	(20011620)
504671.98	3635375.90	183.43788	(21122618)	504721.98	3635375.90	171.54721	(21012617)
502721.98	3635425.90	212.05302	(21012023)	502771.98	3635425.90	252.34735	(20070801)
502821.98	3635425.90	269.18239	(20070801)	502871.98	3635425.90	275.53272	(20070802)
502921.98	3635425.90	307.49696	(20070802)	502971.98	3635425.90	306.54370	(21121424)
503021.98	3635425.90	326.50164	(19091321)	503071.98	3635425.90	337.35564	(19091321)
503121.98	3635425.90	242.76043	(19121706)	503171.98	3635425.90	252.58140	(19121706)
503221.98	3635425.90	204.83707	(19121706)	503271.98	3635425.90	200.39691	(19121706)
503321.98	3635425.90	211.96879	(19020322)	503371.98	3635425.90	190.05095	(19020322)
503421.98	3635425.90	165.96885	(19020322)	503471.98	3635425.90	226.37916	(20120224)
503521.98	3635425.90	300.21797	(20120224)	503571.98	3635425.90	308.43707	(20120224)
503621.98	3635425.90	327.84388	(21021806)	503671.98			

3635425.90   419.26189 (21081004)
        503721.98   3635425.90   455.52824 (19101219)   503771.98
3635425.90   455.45955 (20071102)
        503821.98   3635425.90   386.45450 (20071102)   504371.98
3635425.90   186.32668 (21121422)
        504421.98   3635425.90   152.85276 (21121422)   504471.98
3635425.90   171.02239 (20011620)
        504521.98   3635425.90   154.88722 (20011620)   504571.98
3635425.90   163.99690 (20011620)
        504621.98   3635425.90   190.12586 (20011620)   504671.98
3635425.90   190.61255 (21122618)
        504721.98   3635425.90   175.47594 (21122618)   502721.98
3635475.90   232.16150 (20122721)
        502771.98   3635475.90   253.48930 (20070801)   502821.98
3635475.90   257.21851 (20070802)
        502871.98   3635475.90   291.04263 (20070802)   502921.98
3635475.90   286.09651 (20070802)
        502971.98   3635475.90   311.02623 (19091321)   503021.98
3635475.90   331.37304 (19091321)
        503071.98   3635475.90   332.44382 (20042421)   503121.98
3635475.90   241.48971 (19121706)
        503171.98   3635475.90   233.27124 (19121706)   503221.98
3635475.90   206.84232 (19121706)
        503271.98   3635475.90   194.07762 (19020322)   503321.98
3635475.90   205.98791 (19020322)
        503371.98   3635475.90   193.23036 (19020322)   503421.98
3635475.90   179.59549 (20120224)
        503471.98   3635475.90   248.79193 (20120224)   503521.98
3635475.90   292.99975 (20120224)
        503571.98   3635475.90   300.94016 (20120224)   503621.98
3635475.90   330.76929 (21021806)
        503671.98   3635475.90   350.05895 (21081004)   503721.98
3635475.90   377.93034 (19101219)
        503771.98   3635475.90   424.63264 (20071102)   503821.98
3635475.90   367.76769 (20071102)
        503871.98   3635475.90   375.65357 (19013104)   503921.98
3635475.90   457.69479 (19122420)
        504371.98   3635475.90   100.42093 (21013118)   504421.98
3635475.90   92.94067 (20040223)
        504471.98   3635475.90   134.29947 (20011620)   504521.98
3635475.90   133.66914 (20011620)
        504571.98   3635475.90   173.59466 (20011620)   504621.98
3635475.90   186.67035 (20011620)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504671.98	3635475.90	182.99025	(21122618)	504721.98	3635475.90	247.80204	(21122618)
502221.98	3632975.90	47.28236	(19010119)	502271.98	3632975.90	45.59952	(19010119)
502321.98	3632975.90	43.66362	(19010119)	502371.98	3632975.90	52.00039	(21030103)
502421.98	3632975.90	61.70913	(21030103)	502471.98	3632975.90	71.80920	(21030103)
502521.98	3632975.90	81.50206	(21030103)	502571.98	3632975.90	90.36291	(21030103)
502621.98	3632975.90	97.56415	(21030103)	502671.98	3632975.90	102.36984	(21030103)
502721.98	3632975.90	105.00293	(20121603)	502771.98	3632975.90	120.31675	(20121603)
502821.98	3632975.90	176.96229	(20121603)	502871.98	3632975.90	196.47523	(20121603)
502921.98	3632975.90	190.04861	(20092124)	502971.98	3632975.90	177.95109	(20090205)
503021.98	3632975.90	203.96159	(20090205)	503071.98	3632975.90	241.31282	(20090205)
503121.98	3632975.90	235.94723	(20090205)	503171.98	3632975.90	221.98739	(20102407)
503221.98	3632975.90	237.00933	(20111701)	503271.98	3632975.90	244.66282	(20111701)
503321.98	3632975.90	266.14957	(19081924)	503371.98	3632975.90	300.66865	(19081924)
503421.98	3632975.90	291.69586	(19081924)	503471.98	3632975.90	340.87008	(19110606)

503621.98 3632975.90 270.25019 (20050102) 503671.98
3632975.90 252.77355 (20050102)
503721.98 3632975.90 236.54399 (21020203) 503771.98
3632975.90 206.37356 (20082921)
503821.98 3632975.90 211.95001 (20082921) 503871.98
3632975.90 189.41043 (20082921)
503921.98 3632975.90 161.25746 (20032501) 503971.98
3632975.90 181.58094 (20080820)
504021.98 3632975.90 195.09401 (20022622) 504071.98
3632975.90 193.90050 (21013120)
504121.98 3632975.90 189.88747 (21011302) 504171.98
3632975.90 183.40582 (19102905)
504221.98 3632975.90 188.76568 (21022205) 504271.98
3632975.90 192.07908 (20022403)
504321.98 3632975.90 187.45120 (21011620) 504371.98
3632975.90 183.81627 (20052501)
504421.98 3632975.90 187.03030 (21013021) 504471.98
3632975.90 180.94883 (20042404)
504521.98 3632975.90 179.09880 (21120723) 504571.98
3632975.90 177.74237 (20101423)
504621.98 3632975.90 169.87231 (20112022) 504671.98
3632975.90 178.14473 (21011323)
504721.98 3632975.90 175.49770 (21010102) 504771.98
3632975.90 173.76011 (20011902)
504821.98 3632975.90 169.36232 (19022705) 504871.98
3632975.90 169.69753 (21021820)
504921.98 3632975.90 165.14897 (20121007) 504971.98
3632975.90 165.34950 (21011520)
505021.98 3632975.90 157.75740 (21010522) 505071.98
3632975.90 155.64170 (19122301)
505121.98 3632975.90 153.19886 (20122923) 505171.98
3632975.90 145.28752 (20122923)
505221.98 3632975.90 145.25481 (20100121) 502221.98
3633025.90 49.04743 (19010119)
502271.98 3633025.90 48.28871 (19010119) 502321.98
3633025.90 46.48439 (19010119)
502371.98 3633025.90 44.56384 (19010119) 502421.98
3633025.90 54.00311 (21030103)
502471.98 3633025.90 64.28981 (21030103) 502521.98
3633025.90 74.99236 (21030103)
502571.98 3633025.90 85.33806 (21030103) 502621.98
3633025.90 94.57410 (21030103)
502671.98 3633025.90 101.61566 (21030103) 502721.98
3633025.90 105.88435 (21030103)
502771.98 3633025.90 113.39751 (20121603) 502821.98
3633025.90 189.13991 (21031822)
502871.98 3633025.90 197.15617 (20121603) 502921.98
3633025.90 199.26838 (20121603)
502971.98 3633025.90 179.65022 (20092123) 503021.98
3633025.90 213.81862 (20090205)

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000310   , L0000311   , L0000312   ,
L0000313   , L0000314   , L0000315   , L0000316   , L0000317 , L0000318   , L0000319   , L0000910   ,
L0000911   , L0000912   , L0000913   , L0000914   , L0000915 , L0000916   , L0000917   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503171.98	3633025.90	216.87485	(20102407)	503221.98	3633025.90	234.42219	(20082723)
503271.98	3633025.90	247.74904	(20111701)	503321.98	3633025.90	264.44311	(19081924)
503371.98	3633025.90	305.44665	(19081924)	503421.98	3633025.90	301.17324	(19081924)
503471.98	3633025.90	344.66431	(19110606)	503621.98	3633025.90	277.15390	(19091221)
503671.98	3633025.90	259.12907	(20050102)	503721.98	3633025.90	249.98678	(21020203)
503771.98	3633025.90	198.73841	(19031202)	503821.98	3633025.90	207.72930	(20082921)
503871.98	3633025.90	192.40764	(20082921)	503921.98	3633025.90	166.42201	(20080820)
503971.98	3633025.90	190.65280	(19032124)	504021.98	3633025.90	201.91808	(20022622)
504071.98	3633025.90	201.49426	(21013120)	504121.98	3633025.90	192.02700	(21011302)
504171.98	3633025.90	193.88338	(19102905)	504221.98			

3633025.90 193.18889 (21022205)
504271.98 3633025.90 198.34440 (20022403) 504321.98
3633025.90 196.78055 (21011620)
504371.98 3633025.90 195.98077 (21013021) 504421.98
3633025.90 184.51975 (20042404)
504471.98 3633025.90 190.79779 (21120723) 504521.98
3633025.90 183.76968 (20101423)
504571.98 3633025.90 181.80128 (20112022) 504621.98
3633025.90 184.81271 (21011323)
504671.98 3633025.90 177.88336 (20031721) 504721.98
3633025.90 179.47364 (20011902)
504771.98 3633025.90 170.78817 (19022705) 504821.98
3633025.90 175.16258 (19022705)
504871.98 3633025.90 171.25486 (20121007) 504921.98
3633025.90 172.80258 (21011520)
504971.98 3633025.90 164.20896 (19121906) 505021.98
3633025.90 162.01731 (21010522)
505071.98 3633025.90 158.53328 (20122923) 505121.98
3633025.90 152.21604 (20122923)
505171.98 3633025.90 150.62728 (20100121) 505221.98
3633025.90 154.11811 (21022502)
502221.98 3633075.90 51.38978 (19010119) 502271.98
3633075.90 50.99089 (19010119)
502321.98 3633075.90 49.70309 (19010119) 502371.98
3633075.90 47.99814 (19010119)
502421.98 3633075.90 46.32433 (21030103) 502471.98
3633075.90 56.41745 (21030103)
502521.98 3633075.90 67.50324 (21030103) 502571.98
3633075.90 78.94662 (21030103)
502621.98 3633075.90 89.81735 (21030103) 502671.98
3633075.90 99.10012 (21030103)
502721.98 3633075.90 106.00558 (21030103) 502771.98
3633075.90 109.79125 (21030103)
502821.98 3633075.90 165.62789 (21031822) 502871.98
3633075.90 197.65851 (21031822)
502921.98 3633075.90 205.34983 (20121603) 502971.98
3633075.90 196.01972 (20121603)
503021.98 3633075.90 224.29001 (20092124) 503071.98
3633075.90 246.65799 (20092124)
503121.98 3633075.90 251.91052 (20092124) 503171.98
3633075.90 219.53424 (20092124)
503221.98 3633075.90 231.22842 (20082723) 503271.98
3633075.90 247.87761 (20111701)
503321.98 3633075.90 256.98493 (20111701) 503371.98
3633075.90 304.76272 (19081924)
503421.98 3633075.90 314.04676 (19081924) 503471.98
3633075.90 345.58343 (19110606)
503621.98 3633075.90 284.36185 (19091221) 503671.98
3633075.90 257.47574 (20101121)
503721.98 3633075.90 245.43209 (21020203) 503771.98

3633075.90   197.19198 (19031202)
        503821.98   3633075.90   209.72779 (20082921)   503871.98
3633075.90   196.04947 (20082921)
        503921.98   3633075.90   177.80728 (20080820)   503971.98
3633075.90   200.77229 (19032124)
        504021.98   3633075.90   207.27118 (20022622)   504071.98
3633075.90   206.97016 (21013120)
        504121.98   3633075.90   191.72450 (21011302)   504171.98
3633075.90   201.41554 (19102905)
        504221.98   3633075.90   201.62158 (19121107)   504271.98
3633075.90   199.40221 (20022403)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000310   , L0000311   , L0000312   ,
                 L0000313   , L0000314   , L0000315   , L0000316   , L0000317 , L0000318   , L0000319   , L0000910   ,
                 L0000911   , L0000912   , L0000913   , L0000914   , L0000915 , L0000916   , L0000917   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        504321.98   3633075.90   200.25117 (21011620)   504371.98
3633075.90   202.71368 (21013021)
        504421.98   3633075.90   193.97342 (20042404)   504471.98
3633075.90   192.74886 (21120723)
        504521.98   3633075.90   189.96578 (20101423)   504571.98
3633075.90   184.81264 (21011323)
        504621.98   3633075.90   188.97956 (21011323)   504671.98
3633075.90   188.48371 (21010102)
        504721.98   3633075.90   183.47746 (20011902)   504771.98
3633075.90   183.81472 (19022705)

```
        504821.98   3633075.90      180.69514  (21021820)              504871.98
3633075.90      179.22989  (21011520)
        504921.98   3633075.90      171.69669  (19121906)              504971.98
3633075.90      170.03677  (21010522)
        505021.98   3633075.90      164.79575  (19122301)              505071.98
3633075.90      159.54043  (20122923)
        505121.98   3633075.90      156.28360  (20100121)              505171.98
3633075.90      159.92441  (21022502)
        505221.98   3633075.90      152.71140  (19120104)              502221.98
3633125.90       53.58172  (19010119)
        502271.98   3633125.90       53.47393  (19010119)              502321.98
3633125.90       52.72451  (19010119)
        502371.98   3633125.90       51.43965  (19010119)              502421.98
3633125.90       49.73420  (19010119)
        502471.98   3633125.90       48.49798  (21030103)              502521.98
3633125.90       59.46367  (21030103)
        502571.98   3633125.90       71.34467  (21030103)              502621.98
3633125.90       83.41145  (21030103)
        502671.98   3633125.90       94.82029  (21030103)              502721.98
3633125.90      104.27515  (21030103)
        502771.98   3633125.90      110.78334  (21030103)              502821.98
3633125.90      115.30576  (20121603)
        502871.98   3633125.90      180.61110  (21031822)              502921.98
3633125.90      198.51400  (20121603)
        502971.98   3633125.90      210.52277  (20121603)              503021.98
3633125.90      236.16455  (20092124)
        503071.98   3633125.90      275.22501  (20092124)              503121.98
3633125.90      275.34673  (20092124)
        503171.98   3633125.90      235.76426  (20092124)              503221.98
3633125.90      226.21896  (20082723)
        503271.98   3633125.90      247.11177  (20082723)              503321.98
3633125.90      258.18452  (20111701)
        503371.98   3633125.90      305.17366  (19081924)              503421.98
3633125.90      322.60075  (19081924)
        503471.98   3633125.90      343.01998  (19110606)              503621.98
3633125.90      288.19145  (19091221)
        503671.98   3633125.90      253.31448  (20101121)              503721.98
3633125.90      241.50720  (21020203)
        503771.98   3633125.90      194.01833  (20032924)              503821.98
3633125.90      214.44132  (20082921)
        503871.98   3633125.90      201.48989  (20082921)              503921.98
3633125.90      189.53254  (20080820)
        503971.98   3633125.90      210.18590  (19032124)              504021.98
3633125.90      210.82309  (20022622)
        504071.98   3633125.90      212.35339  (21011302)              504121.98
3633125.90      198.34368  (19102905)
        504171.98   3633125.90      208.63818  (21022205)              504221.98
3633125.90      212.27903  (20022403)
        504271.98   3633125.90      208.97424  (21011620)              504321.98
3633125.90      208.02690  (21013021)
```

```
        504371.98   3633125.90      202.51025  (21013021)               504421.98
3633125.90      204.41756  (21120723)
        504471.98   3633125.90      197.20251  (20101423)               504521.98
3633125.90      194.67983  (20112022)
        504571.98   3633125.90      199.06446  (21011323)               504621.98
3633125.90      194.02466  (21010102)
        504671.98   3633125.90      193.81282  (20011902)               504721.98
3633125.90      189.68920  (19022705)
        504771.98   3633125.90      189.59879  (21021820)               504821.98
3633125.90      184.34936  (21011520)
        504871.98   3633125.90      179.59467  (21011520)               504921.98
3633125.90      177.96153  (21010522)
        504971.98   3633125.90      172.96189  (19122301)               505021.98
3633125.90      167.36925  (20122923)
        505071.98   3633125.90      162.32715  (20100121)               505121.98
3633125.90      166.09972  (21022502)
        505171.98   3633125.90      158.66269  (19120104)               505221.98
3633125.90      152.42675  (19112707)
        502221.98   3633175.90       54.93644  (19010119)               502271.98
3633175.90       55.38619  (19010119)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1078
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        502321.98   3633175.90       55.29987  (19010119)               502371.98
```

3633175.90 54.88622 (19010119)
502421.98 3633175.90 53.76880 (19010119) 502471.98
3633175.90 51.85405 (19010119)
502521.98 3633175.90 51.20398 (21030103) 502571.98
3633175.90 63.07873 (21030103)
502621.98 3633175.90 75.85389 (21030103) 502671.98
3633175.90 88.60146 (21030103)
502721.98 3633175.90 100.02366 (21030103) 502771.98
3633175.90 133.55881 (21030103)
502821.98 3633175.90 176.18151 (21030103) 502871.98
3633175.90 147.11339 (20121603)
502921.98 3633175.90 188.01237 (20121603) 502971.98
3633175.90 203.27771 (20121603)
503021.98 3633175.90 215.83313 (20092124) 503071.98
3633175.90 256.60728 (20092124)
503121.98 3633175.90 279.34919 (20092124) 503171.98
3633175.90 243.44185 (20092124)
503221.98 3633175.90 224.73797 (20082723) 503271.98
3633175.90 259.18779 (20082723)
503321.98 3633175.90 267.40282 (20111701) 503371.98
3633175.90 294.90093 (19081924)
503421.98 3633175.90 329.01820 (19081924) 503471.98
3633175.90 349.78364 (19081924)
503621.98 3633175.90 263.98708 (19091221) 503671.98
3633175.90 256.58394 (20101121)
503721.98 3633175.90 237.18771 (21020203) 503771.98
3633175.90 203.64308 (20032924)
503821.98 3633175.90 222.35846 (20110207) 503871.98
3633175.90 207.00492 (20082921)
503921.98 3633175.90 201.56686 (20080820) 503971.98
3633175.90 218.59878 (19032124)
504021.98 3633175.90 219.59846 (21013120) 504071.98
3633175.90 219.56352 (21011302)
504121.98 3633175.90 213.62329 (19102905) 504171.98
3633175.90 215.64460 (21022205)
504221.98 3633175.90 219.51136 (20022403) 504271.98
3633175.90 217.71884 (21011620)
504321.98 3633175.90 219.15814 (21013021) 504371.98
3633175.90 208.28888 (20042404)
504421.98 3633175.90 208.18642 (21120723) 504471.98
3633175.90 203.95240 (20101423)
504521.98 3633175.90 201.92821 (21011323) 504571.98
3633175.90 200.19810 (21011323)
504621.98 3633175.90 200.91212 (21010102) 504671.98
3633175.90 192.40373 (19022705)
504721.98 3633175.90 196.31413 (21021820) 504771.98
3633175.90 192.02463 (20121007)
504821.98 3633175.90 190.68691 (21011520) 504871.98
3633175.90 185.48883 (21010522)
504921.98 3633175.90 181.26433 (19122301) 504971.98

```
3633175.90      175.62136  (20122923)
        505021.98   3633175.90      168.91017  (20100121)                505071.98
3633175.90      172.75975  (21022502)
        505121.98   3633175.90      165.00075  (19120104)                505171.98
3633175.90      158.57862  (19112707)
        505221.98   3633175.90      161.19945  (20021702)                502221.98
3633225.90       60.48268  (21111004)
        502271.98   3633225.90       57.69347  (21111004)                502321.98
3633225.90       57.60564  (19010119)
        502371.98   3633225.90       57.97475  (19010119)                502421.98
3633225.90       57.44404  (19010119)
        502471.98   3633225.90       55.97433  (19010119)                502521.98
3633225.90       54.24283  (19010119)
        502571.98   3633225.90       54.24723  (21030103)                502621.98
3633225.90       67.10552  (21030103)
        502671.98   3633225.90       80.74933  (21030103)                502721.98
3633225.90       94.05946  (21030103)
        502771.98   3633225.90      107.13357  (21030103)                502821.98
3633225.90      143.28810  (21030103)
        502871.98   3633225.90      168.84231  (21030103)                502921.98
3633225.90      171.53275  (20121603)
        502971.98   3633225.90      184.38093  (20121603)                503021.98
3633225.90      209.03655  (20121603)
        503071.98   3633225.90      219.32102  (20092124)                503121.98
3633225.90      241.02031  (20092124)
        503171.98   3633225.90      255.22233  (20092124)                503221.98
3633225.90      242.16577  (20092124)
        503271.98   3633225.90      260.00906  (20082723)                503321.98
3633225.90      277.32992  (20111701)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1079
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503371.98	3633225.90	298.82517	(20111701)	503421.98	3633225.90	330.11880	(19081924)
503471.98	3633225.90	369.54495	(19081924)	503621.98	3633225.90	269.04490	(19091221)
503671.98	3633225.90	255.51473	(20101121)	503721.98	3633225.90	243.18448	(21020203)
503771.98	3633225.90	212.75573	(20032924)	503821.98	3633225.90	232.55451	(20110207)
503871.98	3633225.90	213.35132	(20082921)	503921.98	3633225.90	213.81616	(20080820)
503971.98	3633225.90	232.23115	(20022622)	504021.98	3633225.90	232.77052	(21013120)
504071.98	3633225.90	223.52024	(21011302)	504121.98	3633225.90	225.55830	(19102905)
504171.98	3633225.90	224.84452	(19121107)	504221.98	3633225.90	220.31109	(20022403)
504271.98	3633225.90	219.77615	(21013021)	504321.98	3633225.90	222.74944	(21013021)
504371.98	3633225.90	219.71032	(21120723)	504421.98	3633225.90	212.54904	(20101423)
504471.98	3633225.90	209.29431	(20112022)	504521.98	3633225.90	214.52570	(21011323)
504571.98	3633225.90	211.29125	(21010102)	504621.98	3633225.90	206.76374	(20011902)
504671.98	3633225.90	206.20484	(19022705)	504721.98	3633225.90	200.15702	(21021820)
504771.98	3633225.90	201.11587	(21011520)	504821.98	3633225.90	192.73905	(21010522)
504871.98	3633225.90	189.53207	(19122301)	504921.98	3633225.90	184.28927	(20122923)
504971.98	3633225.90	176.00457	(20100121)	505021.98	3633225.90	180.03255	(21022502)
505071.98	3633225.90	171.88015	(19120104)	505121.98	3633225.90	165.57868	(20021702)
505171.98	3633225.90	166.96441	(20021702)	505221.98	3633225.90	162.46838	(20020804)
502221.98	3633275.90	66.70314	(21111004)	502271.98	3633275.90	64.57255	(21111004)
502321.98	3633275.90	61.87511	(21111004)	502371.98	3633275.90	60.27031	(19010119)
502421.98	3633275.90	60.48825	(19010119)	502471.98	3633275.90	60.01600	(19010119)

```
        502521.98   3633275.90       58.85066  (19010119)                502571.98
3633275.90       57.00393  (19010119)
        502621.98   3633275.90       57.77229  (21030103)                502671.98
3633275.90       71.58424  (21030103)
        502721.98   3633275.90       86.10846  (21030103)                502771.98
3633275.90      101.25158  (21030103)
        502821.98   3633275.90      218.56681  (20122620)                502871.98
3633275.90      177.36322  (21030103)
        502921.98   3633275.90      148.60345  (20121603)                502971.98
3633275.90      171.97579  (20121603)
        503021.98   3633275.90      208.41306  (20121603)                503071.98
3633275.90      186.24647  (20121603)
        503121.98   3633275.90      175.47806  (20121603)                503171.98
3633275.90      180.22404  (21063005)
        503221.98   3633275.90      255.60062  (20092124)                503271.98
3633275.90      262.11905  (20082723)
        503321.98   3633275.90      286.14113  (20082723)                503371.98
3633275.90      310.37214  (20111701)
        503421.98   3633275.90      322.24794  (19081924)                503471.98
3633275.90      321.57161  (21020924)
        503621.98   3633275.90      259.72793  (19082022)                503671.98
3633275.90      252.33555  (20050102)
        503721.98   3633275.90      252.32652  (21020203)                503771.98
3633275.90      222.59662  (20032924)
        503821.98   3633275.90      243.18813  (20110207)                503871.98
3633275.90      219.56041  (20082921)
        503921.98   3633275.90      226.12333  (20080820)                503971.98
3633275.90      244.92411  (20022622)
        504021.98   3633275.90      243.51436  (21013120)                504071.98
3633275.90      224.00290  (21011302)
        504121.98   3633275.90      233.10856  (19102905)                504171.98
3633275.90      237.38637  (20022403)
        504221.98   3633275.90      234.56294  (21011620)                504271.98
3633275.90      236.30607  (21013021)
        504321.98   3633275.90      223.93502  (20042404)                504371.98
3633275.90      225.70874  (21120723)
        504421.98   3633275.90      219.96509  (20101423)                504471.98
3633275.90      220.94566  (21011323)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1080
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
```

```
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        504521.98   3633275.90      215.54711  (21010102)               504571.98
3633275.90      218.24591  (20011902)
        504621.98   3633275.90      214.51128  (19022705)               504671.98
3633275.90      212.95431  (21021820)
        504721.98   3633275.90      210.44728  (21011520)               504771.98
3633275.90      199.76991  (19121906)
        504821.98   3633275.90      197.87404  (19122301)               504871.98
3633275.90      193.23966  (20122923)
        504921.98   3633275.90      183.22163  (20100121)               504971.98
3633275.90      187.87881  (21022502)
        505021.98   3633275.90      179.29444  (19120104)               505071.98
3633275.90      173.95277  (20021702)
        505121.98   3633275.90      172.99690  (20021702)               505171.98
3633275.90      167.65516  (20020804)
        505221.98   3633275.90      162.60207  (21012402)               502221.98
3633325.90       72.20340  (21111004)
        502271.98   3633325.90       71.07903  (21111004)               502321.98
3633325.90       69.15839  (21111004)
        502371.98   3633325.90       66.42491  (21111004)               502421.98
3633325.90       62.99057  (21111004)
        502471.98   3633325.90       63.14817  (19010119)               502521.98
3633325.90       62.95226  (19010119)
        502571.98   3633325.90       61.87476  (19010119)               502621.98
3633325.90       60.10767  (19010119)
        502671.98   3633325.90       61.66935  (21030103)               502721.98
3633325.90       76.54198  (21030103)
        502771.98   3633325.90      109.35216  (21030103)               502821.98
3633325.90      139.88414  (21030103)
        502871.98   3633325.90      120.33311  (21030103)               502921.98
3633325.90      130.37693  (21030103)
        502971.98   3633325.90      151.32714  (20121603)               503021.98
3633325.90      185.29292  (20121603)
        503071.98   3633325.90      183.54577  (20121603)               503121.98
```

```
3633325.90      180.09260  (20121603)
        503171.98   3633325.90      173.83875  (20121603)                503221.98
3633325.90      185.10390  (21063005)
        503271.98   3633325.90      282.73272  (20092124)                503321.98
3633325.90      291.88839  (20082723)
        503371.98   3633325.90      321.84100  (20111701)                503421.98
3633325.90      282.02035  (20111701)
        503471.98   3633325.90      264.87198  (21020924)                503621.98
3633325.90      258.84257  (19082022)
        503671.98   3633325.90      257.45846  (20050102)                503721.98
3633325.90      263.39936  (21020203)
        503771.98   3633325.90      232.58370  (20032924)                503821.98
3633325.90      254.70995  (20110207)
        503871.98   3633325.90      226.24715  (20082921)                503921.98
3633325.90      237.93150  (20080820)
        503971.98   3633325.90      255.65619  (20022622)                504021.98
3633325.90      250.80478  (21013120)
        504071.98   3633325.90      236.24301  (19102905)                504121.98
3633325.90      243.83412  (21022205)
        504171.98   3633325.90      245.67534  (20022403)                504221.98
3633325.90      241.87726  (21011620)
        504271.98   3633325.90      244.52803  (21013021)                504321.98
3633325.90      236.93583  (21120723)
        504371.98   3633325.90      229.63095  (20101423)                504421.98
3633325.90      225.77314  (20112022)
        504471.98   3633325.90      231.21235  (21011323)                504521.98
3633325.90      228.51709  (21010102)
        504571.98   3633325.90      218.93224  (19022705)                504621.98
3633325.90      223.19896  (21021820)
        504671.98   3633325.90      218.32390  (21011520)                504721.98
3633325.90      210.55250  (19121906)
        504771.98   3633325.90      206.19091  (19122301)                504821.98
3633325.90      202.51357  (20122923)
        504871.98   3633325.90      191.20458  (20100121)                504921.98
3633325.90      195.95024  (21022502)
        504971.98   3633325.90      187.06644  (19120104)                505021.98
3633325.90      182.74993  (20021702)
        505071.98   3633325.90      179.18046  (20020804)                505121.98
3633325.90      172.80388  (20020804)
        505171.98   3633325.90      170.34141  (21012402)                505221.98
3633325.90      164.76924  (20121620)
        502221.98   3633375.90       76.50629  (21111004)                502271.98
3633375.90       76.58895  (21111004)
        502321.98   3633375.90       75.74243  (21111004)                502371.98
3633375.90       73.95230  (21111004)
        502421.98   3633375.90       71.31375  (21111004)                502471.98
3633375.90       67.84830  (21111004)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502521.98	3633375.90	66.32524	(19010119)	502571.98	3633375.90	66.27353	(19010119)
502621.98	3633375.90	65.28216	(19010119)	502671.98	3633375.90	63.41989	(19010119)
502721.98	3633375.90	66.00282	(21030103)	502771.98	3633375.90	82.17892	(21030103)
502821.98	3633375.90	99.03968	(21030103)	502871.98	3633375.90	115.07993	(21030103)
502921.98	3633375.90	128.31612	(21030103)	502971.98	3633375.90	137.13597	(21030103)
503021.98	3633375.90	157.53037	(20121603)	503071.98	3633375.90	176.72001	(20121603)
503121.98	3633375.90	187.14932	(20121603)	503171.98	3633375.90	186.49472	(20121603)
503221.98	3633375.90	176.12856	(20121603)	503271.98	3633375.90	191.87357	(21063005)
503321.98	3633375.90	269.84793	(20082723)	503371.98	3633375.90	327.01739	(20111701)
503421.98	3633375.90	247.42493	(19080102)	503471.98	3633375.90	280.35148	(21110603)
503621.98	3633375.90	288.27509	(19082022)	503671.98	3633375.90	265.89802	(20050102)
503721.98	3633375.90	275.54559	(21020203)	503771.98	3633375.90	243.76843	(20032924)

503821.98 3633375.90 271.99663 (20082921) 503871.98
3633375.90 236.61857 (20082921)
503921.98 3633375.90 252.08560 (19032124) 503971.98
3633375.90 265.49540 (20022622)
504021.98 3633375.90 261.72902 (21011302) 504071.98
3633375.90 255.53407 (19102905)
504121.98 3633375.90 255.14528 (19121107) 504171.98
3633375.90 250.71642 (21011620)
504221.98 3633375.90 254.87592 (21013021) 504271.98
3633375.90 244.97575 (21013021)
504321.98 3633375.90 246.31833 (21120723) 504371.98
3633375.90 238.65244 (20073020)
504421.98 3633375.90 242.13225 (21011323) 504471.98
3633375.90 238.40033 (21010102)
504521.98 3633375.90 235.50091 (20011902) 504571.98
3633375.90 233.48369 (19022705)
504621.98 3633375.90 227.68340 (20121007) 504671.98
3633375.90 223.42101 (21011520)
504721.98 3633375.90 217.90329 (21010522) 504771.98
3633375.90 212.32484 (20122923)
504821.98 3633375.90 199.82018 (20100121) 504871.98
3633375.90 204.81633 (21022502)
504921.98 3633375.90 195.28036 (19120104) 504971.98
3633375.90 191.53635 (20021702)
505021.98 3633375.90 187.46327 (20020804) 505071.98
3633375.90 180.52615 (21010922)
505121.98 3633375.90 177.69040 (21012402) 505171.98
3633375.90 171.58955 (20121620)
505221.98 3633375.90 169.05938 (20022406) 502221.98
3633425.90 78.84016 (21111004)
502271.98 3633425.90 80.30794 (21111004) 502321.98
3633425.90 80.82073 (21111004)
502371.98 3633425.90 80.40603 (21111004) 502421.98
3633425.90 79.00362 (21111004)
502471.98 3633425.90 76.86210 (21111004) 502521.98
3633425.90 73.41412 (21111004)
502571.98 3633425.90 69.81614 (19010119) 502621.98
3633425.90 69.98492 (19010119)
502671.98 3633425.90 69.00381 (19010119) 502721.98
3633425.90 67.04722 (19010119)
502771.98 3633425.90 71.11060 (21030103) 502821.98
3633425.90 88.84230 (21030103)
502871.98 3633425.90 107.05117 (21030103) 502921.98
3633425.90 123.81371 (21030103)
502971.98 3633425.90 137.29277 (21030103) 503021.98
3633425.90 145.95729 (20121603)
503071.98 3633425.90 172.69288 (20121603) 503121.98
3633425.90 191.23052 (20121603)
503171.98 3633425.90 197.57538 (20121603) 503221.98
3633425.90 191.97175 (20121603)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 ,
L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 ,
L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503671.98	3633425.90	281.43673	(19091221)	503721.98	3633425.90	288.69652	(21020203)
503771.98	3633425.90	255.56120	(20032924)	503821.98	3633425.90	292.21780	(20082921)
503871.98	3633425.90	257.41930	(20081802)	503921.98	3633425.90	270.42807	(19032124)
503971.98	3633425.90	275.31410	(21013120)	504021.98	3633425.90	271.22541	(21011302)
504071.98	3633425.90	270.80660	(19102905)	504121.98	3633425.90	271.63641	(20022403)
504171.98	3633425.90	266.79144	(21011620)	504221.98	3633425.90	271.47962	(21013021)
504271.98	3633425.90	260.35918	(20073022)	504321.98	3633425.90	263.81103	(20073020)
504371.98	3633425.90	245.82525	(20112022)	504421.98			

```
3633425.90      249.67304  (21011323)
        504471.98   3633425.90      248.54376  (20011902)              504521.98
3633425.90      245.09588  (19022705)
        504571.98   3633425.90      240.52850  (21021820)              504621.98
3633425.90      238.46125  (21011520)
        504671.98   3633425.90      230.07722  (21010522)              504721.98
3633425.90      222.68394  (20122923)
        504771.98   3633425.90      208.69138  (20100121)              504821.98
3633425.90      214.82871  (21022502)
        504871.98   3633425.90      204.65004  (19120104)              504921.98
3633425.90      201.29031  (20021702)
        504971.98   3633425.90      196.19128  (20020804)              505021.98
3633425.90      188.26018  (21010922)
        505071.98   3633425.90      184.34867  (21012402)              505121.98
3633425.90      177.67760  (20022406)
        505171.98   3633425.90      174.05940  (20022406)              505221.98
3633425.90      166.15722  (19010903)
        502221.98   3633475.90       79.08332  (21111004)              502271.98
3633475.90       82.06351  (21111004)
        502321.98   3633475.90       84.23620  (21111004)              502371.98
3633475.90       85.48484  (21111004)
        502421.98   3633475.90       85.71002  (21111004)              502471.98
3633475.90       85.11714  (21111004)
        502521.98   3633475.90       82.65330  (21111004)              502571.98
3633475.90       79.29571  (21111004)
        502621.98   3633475.90       75.03266  (21111004)              502671.98
3633475.90       73.78217  (19010119)
        504771.98   3633475.90      225.84236  (21022502)              504821.98
3633475.90      215.32341  (19120104)
        504871.98   3633475.90      212.11110  (20021702)              504921.98
3633475.90      205.81425  (20020804)
        504971.98   3633475.90      195.77187  (21010922)              505021.98
3633475.90      190.24585  (20121620)
        505071.98   3633475.90      187.19904  (20022406)              505121.98
3633475.90      178.87226  (19010903)
        505171.98   3633475.90      174.01737  (21121121)              505221.98
3633475.90      170.02979  (21120121)
        502221.98   3633525.90       77.11564  (21111004)              502271.98
3633525.90       81.56195  (21111004)
        502321.98   3633525.90       85.35153  (21111004)              502371.98
3633525.90       88.53567  (21111004)
        502421.98   3633525.90       90.72338  (21111004)              502471.98
3633525.90       91.80087  (21111004)
        502521.98   3633525.90       90.96999  (21111004)              502571.98
3633525.90       88.78194  (21111004)
        502621.98   3633525.90       85.65337  (21111004)              502671.98
3633525.90       81.32461  (21111004)
        504771.98   3633525.90      226.26273  (19120104)              504821.98
3633525.90      222.87733  (20021702)
        504871.98   3633525.90      214.82797  (20020804)              504921.98
```

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000310   , L0000311   , L0000312   ,
L0000313   , L0000314   , L0000315   , L0000316   , L0000317 , L0000318   , L0000319   , L0000910   ,
L0000911   , L0000912   , L0000913   , L0000914   , L0000915 , L0000916   , L0000917   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633575.90	95.84353	(21111004)	502671.98	3633575.90	92.83314	(21111004)
504771.98	3633575.90	234.36719	(20021702)	504821.98	3633575.90	224.60293	(20081805)
504871.98	3633575.90	229.57413	(20081803)	504921.98	3633575.90	225.07889	(20111118)

```
        504971.98   3633575.90      226.49454  (20111118)              505021.98
3633575.90      213.56901  (21011418)
        505071.98   3633575.90      199.47126  (21011418)              505121.98
3633575.90      181.60531  (21021801)
        505171.98   3633575.90      176.33006  (21011022)              505221.98
3633575.90      170.52590  (20021024)
        502221.98   3633625.90       66.67630  (21111004)              502271.98
3633625.90       72.72481  (21111004)
        502321.98   3633625.90       79.39043  (21111004)              502371.98
3633625.90       85.78110  (21111004)
        502421.98   3633625.90       91.76445  (21111004)              502471.98
3633625.90       96.54653  (21111004)
        502521.98   3633625.90      100.75288  (21111004)              502571.98
3633625.90      103.39687  (21111004)
        502621.98   3633625.90      104.50696  (21111004)              502671.98
3633625.90      103.75474  (21111004)
        504771.98   3633625.90      238.09247  (20081803)              504821.98
3633625.90      251.89620  (20081803)
        504871.98   3633625.90      245.54675  (20111118)              504921.98
3633625.90      234.11390  (20111118)
        504971.98   3633625.90      240.64182  (21011418)              505021.98
3633625.90      236.53126  (21011418)
        505071.98   3633625.90      201.99399  (21011418)              505121.98
3633625.90      181.42217  (20021024)
        505171.98   3633625.90      179.59065  (21122302)              505221.98
3633625.90      174.18707  (21122302)
        502221.98   3633675.90       74.93208  (21012320)              502271.98
3633675.90       69.94530  (21012320)
        502321.98   3633675.90       72.38464  (21111004)              502371.98
3633675.90       79.74521  (21111004)
        502421.98   3633675.90       87.30124  (21111004)              502471.98
3633675.90       94.22354  (21111004)
        502521.98   3633675.90      100.59735  (21111004)              502571.98
3633675.90      105.83883  (21111004)
        502621.98   3633675.90      109.70575  (21111004)              502671.98
3633675.90      111.84801  (21111004)
        504771.98   3633675.90      262.82389  (20081803)              504821.98
3633675.90      269.16823  (20111118)
        504871.98   3633675.90      258.08442  (21011418)              504921.98
3633675.90      265.49784  (21011418)
        504971.98   3633675.90      254.34685  (21011418)              505021.98
3633675.90      226.54121  (21011418)
        505071.98   3633675.90      191.51024  (21122302)              505121.98
3633675.90      186.59365  (21122302)
        505171.98   3633675.90      179.70276  (21011724)              505221.98
3633675.90      176.22370  (21010408)
        502221.98   3633725.90       90.15157  (21012320)              502271.98
3633725.90       85.96743  (21012320)
        502321.98   3633725.90       82.25777  (21012320)              502371.98
3633725.90       77.78928  (21012320)
```

```
        502421.98   3633725.90       79.84228  (21111004)               502471.98
3633725.90       88.22444  (21111004)
        502521.98   3633725.90       96.42225  (21111004)               502571.98
3633725.90      104.07071  (21111004)
        502621.98   3633725.90      110.78771  (21111004)               502671.98
3633725.90      116.07867  (21111004)
        504771.98   3633725.90      303.58316  (20111118)               504821.98
3633725.90      289.52655  (21011418)
        504871.98   3633725.90      288.91661  (21011418)               504921.98
3633725.90      265.13313  (21011418)
        504971.98   3633725.90      229.13010  (21011418)               505021.98
3633725.90      205.99787  (20081722)
        505071.98   3633725.90      193.51786  (21011724)               505121.98
3633725.90      187.81982  (21010408)
        505171.98   3633725.90      181.75338  (21011720)               505221.98
3633725.90      175.04278  (21011221)
        502221.98   3633775.90      104.55788  (21012320)               502271.98
3633775.90      101.78387  (21012320)
        502321.98   3633775.90       99.87608  (21012320)               502371.98
3633775.90       96.25382  (21012320)
        502421.98   3633775.90       92.18114  (21012320)               502471.98
3633775.90       86.90695  (21012320)
        502521.98   3633775.90       88.52154  (21111004)               502571.98
3633775.90       97.97960  (21111004)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1084
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                   L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                   L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
```

```
Y-COORD (M)        CONC     (YYMMDDHH)
 - - -
```

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                L0000911   , L0000912   , L0000913   , L0000914   , L0000915

, L0000916   , L0000917   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3633975.90	160.63403	(21012320)	502671.98	3633975.90	161.11008	(21012320)
504771.98	3633975.90	283.63012	(20072623)	504821.98	3633975.90	265.29257	(20090223)
504871.98	3633975.90	261.16033	(20081804)	504921.98	3633975.90	243.65455	(20081804)
504971.98	3633975.90	216.73639	(19121305)	505021.98	3633975.90	206.55077	(19121305)
505071.98	3633975.90	195.55688	(20082223)	505121.98	3633975.90	191.68533	(20082223)
505171.98	3633975.90	186.27337	(20082223)	505221.98	3633975.90	178.92529	(20082223)
502221.98	3634025.90	105.22587	(21012320)	502271.98	3634025.90	112.62160	(21012320)
502321.98	3634025.90	121.16181	(21012320)	502371.98	3634025.90	130.16580	(21012320)
502421.98	3634025.90	138.91243	(21012320)	502471.98	3634025.90	147.45981	(21012320)
502521.98	3634025.90	155.70976	(21012320)	502571.98	3634025.90	163.45411	(21012320)
502621.98	3634025.90	170.56815	(21012320)	502671.98	3634025.90	176.22181	(21012320)
504771.98	3634025.90	296.97641	(20081804)	504821.98	3634025.90	293.06290	(20081804)
504871.98	3634025.90	265.11346	(20081804)	504921.98	3634025.90	232.22972	(20081804)
504971.98	3634025.90	208.95643	(19011923)	505021.98	3634025.90	199.22176	(19012803)
505071.98	3634025.90	190.41821	(19012803)	505121.98	3634025.90	186.06038	(21121821)
505171.98	3634025.90	180.40946	(21121821)	505221.98	3634025.90	176.35638	(20121224)
502221.98	3634075.90	94.87582	(19083104)	502271.98	3634075.90	96.69392	(21012320)
502321.98	3634075.90	105.63921	(21012320)	502371.98	3634075.90	115.07577	(21012320)
502421.98	3634075.90	124.86483	(21012320)	502471.98	3634075.90	135.26226	(21012320)

```
        502521.98   3634075.90      146.16239  (21012320)                502571.98
3634075.90      157.52561  (21012320)
        502621.98   3634075.90      168.20553  (21012320)                502671.98
3634075.90      178.87854  (21012320)
        504771.98   3634075.90      293.46629  (20081804)                504821.98
3634075.90      269.19678  (20081804)
        504871.98   3634075.90      229.26822  (19012803)                504921.98
3634075.90      218.08877  (21121821)
        504971.98   3634075.90      206.89646  (20121224)                505021.98
3634075.90      198.91168  (20121224)
        505071.98   3634075.90      189.94914  (20020703)                505121.98
3634075.90      184.60266  (20020703)
        505171.98   3634075.90      179.55692  (20020703)                505221.98
3634075.90      173.35705  (20020703)
        502221.98   3634125.90      104.91458  (19083104)                502271.98
3634125.90      107.44271  (19083104)
        502321.98   3634125.90      109.40951  (19083104)                502371.98
3634125.90      111.56566  (19083104)
        502421.98   3634125.90      113.25150  (19083104)                502471.98
3634125.90      116.54667  (21012320)
        502521.98   3634125.90      127.95388  (21012320)                502571.98
3634125.90      140.09882  (21012320)
        502621.98   3634125.90      153.79207  (21012320)                502671.98
3634125.90      167.81380  (21012320)
        504771.98   3634125.90      254.24357  (20121224)                504821.98
3634125.90      241.39389  (20121224)
        504871.98   3634125.90      227.96522  (20020703)                504921.98
3634125.90      213.89677  (20020703)
        504971.98   3634125.90      199.77676  (20020703)                505021.98
3634125.90      187.04929  (20032124)
        505071.98   3634125.90      184.17288  (21122121)                505121.98
3634125.90      183.41847  (21122121)
        505171.98   3634125.90      181.70025  (21122121)                505221.98
3634125.90      178.76861  (21122121)
        502221.98   3634175.90      109.20817  (19083104)                502271.98
3634175.90      113.05443  (19083104)
        502321.98   3634175.90      116.61488  (19083104)                502371.98
3634175.90      121.94751  (19083104)
        502421.98   3634175.90      125.59129  (19083104)                502471.98
3634175.90      129.14834  (19083104)
        502521.98   3634175.90      132.45650  (19083104)                502571.98
3634175.90      135.84371  (19083104)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1086
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634175.90	139.07220	(19083104)	502671.98	3634175.90	144.25879	(21012320)
504771.98	3634175.90	236.75081	(20032124)	504821.98	3634175.90	233.38292	(21122121)
504871.98	3634175.90	226.94930	(21122121)	504921.98	3634175.90	217.23222	(21122121)
504971.98	3634175.90	207.91408	(20121803)	505021.98	3634175.90	200.73040	(20121803)
505071.98	3634175.90	192.27047	(20121803)	505121.98	3634175.90	185.64995	(20121803)
505171.98	3634175.90	180.96145	(21122201)	505221.98	3634175.90	183.10702	(20080321)
502221.98	3634225.90	107.91425	(19083104)	502271.98	3634225.90	112.47681	(19083104)
502321.98	3634225.90	118.13313	(19083104)	502371.98	3634225.90	124.26112	(19083104)
502421.98	3634225.90	129.77693	(19083104)	502471.98	3634225.90	135.25559	(19083104)
502521.98	3634225.90	140.60388	(19083104)	502571.98	3634225.90	146.48488	(19083104)
502621.98	3634225.90	152.33673	(19083104)	502671.98	3634225.90	158.51736	(19083104)
504771.98	3634225.90	251.93449	(20121803)	504821.98	3634225.90	236.32867	(21122201)
504871.98	3634225.90	224.63610	(21122201)	504921.98	3634225.90	211.80469	(21122201)
504971.98	3634225.90	202.92790	(19021906)	505021.98	3634225.90	194.23138	(19021906)
505071.98	3634225.90	185.72095	(19021906)	505121.98			

```
3634225.90      179.82183  (19021906)
        505171.98   3634225.90      172.84059  (19021906)                505221.98
3634225.90      182.34576  (20080321)
        502221.98   3634275.90      100.36332  (19083104)                502271.98
3634275.90      105.42137  (19083104)
        502321.98   3634275.90      111.28831  (19083104)                502371.98
3634275.90      118.18793  (19083104)
        502421.98   3634275.90      124.51074  (19083104)                502471.98
3634275.90      131.07006  (19083104)
        502521.98   3634275.90      138.08178  (19083104)                502571.98
3634275.90      145.42996  (19083104)
        502621.98   3634275.90      153.46495  (19083104)                502671.98
3634275.90      161.93732  (19083104)
        504771.98   3634275.90      243.92339  (20013123)                504821.98
3634275.90      233.58114  (20013123)
        504871.98   3634275.90      223.28181  (20013123)                504921.98
3634275.90      212.87967  (20013123)
        504971.98   3634275.90      204.54018  (20013123)                505021.98
3634275.90      193.98701  (20013123)
        505071.98   3634275.90      185.37570  (20013123)                505121.98
3634275.90      180.06209  (20013123)
        505171.98   3634275.90      171.71195  (20013123)                505221.98
3634275.90      176.94600  (19031020)
        502221.98   3634325.90       88.00288  (19083104)                502271.98
3634325.90       93.09250  (19083104)
        502321.98   3634325.90       98.46694  (19083104)                502371.98
3634325.90      104.26534  (19083104)
        502421.98   3634325.90      110.46054  (19083104)                502471.98
3634325.90      117.03743  (19083104)
        502521.98   3634325.90      124.22262  (19083104)                502571.98
3634325.90      131.95527  (19083104)
        502621.98   3634325.90      140.31215  (19083104)                502671.98
3634325.90      149.55085  (19083104)
        504771.98   3634325.90      232.98608  (21013019)                504821.98
3634325.90      220.34858  (21013019)
        504871.98   3634325.90      208.28171  (21013019)                504921.98
3634325.90      200.88100  (20092120)
        504971.98   3634325.90      198.97293  (20092120)                505021.98
3634325.90      186.12281  (20092120)
        505071.98   3634325.90      180.30185  (20092120)                505121.98
3634325.90      184.81688  (20092120)
        505171.98   3634325.90      175.75689  (20092120)                505221.98
3634325.90      176.49041  (20092120)
        502221.98   3634375.90       96.72253  (21021102)                502271.98
3634375.90      100.43607  (21021102)
        502321.98   3634375.90      103.87246  (21021102)                502371.98
3634375.90      107.64664  (21021102)
        502421.98   3634375.90      112.50384  (21021102)                502471.98
3634375.90      117.71923  (21021102)
        502521.98   3634375.90      123.57555  (21021102)                502571.98
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000310   , L0000311   , L0000312   ,
                 L0000313   , L0000314   , L0000315   , L0000316   , L0000317 , L0000318   , L0000319   , L0000910   ,
                 L0000911   , L0000912   , L0000913   , L0000914   , L0000915 , L0000916   , L0000917   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        502621.98   3634425.90      167.62510  (21021102)              502671.98
3634425.90      176.41646  (21021102)
        504771.98   3634425.90      225.76702  (20011720)              504821.98
3634425.90      220.29162  (20082306)
        504871.98   3634425.90      241.50773  (20082306)              504921.98
3634425.90      252.31320  (20082306)
        504971.98   3634425.90      230.14689  (20082306)              505021.98
3634425.90      219.91839  (20082306)
        505071.98   3634425.90      221.91395  (20082306)              505121.98
3634425.90      219.92367  (20082306)
        505171.98   3634425.90      208.50236  (20082306)              505221.98
3634425.90      198.63026  (20082306)
        502221.98   3634475.90      131.64027  (21021102)              502271.98
3634475.90      137.01879  (21021102)
        502321.98   3634475.90      142.68102  (21021102)              502371.98
3634475.90      148.74096  (21021102)
        502421.98   3634475.90      155.22238  (21021102)              502471.98
3634475.90      162.07701  (21021102)
        502521.98   3634475.90      169.78447  (21021102)              502571.98
3634475.90      177.93654  (21021102)
        502621.98   3634475.90      186.73657  (21021102)              502671.98
3634475.90      196.32328  (21021102)
        504771.98   3634475.90      230.06726  (20041201)              504821.98
3634475.90      222.48363  (20041201)
        504871.98   3634475.90      235.69805  (20041201)              504921.98
3634475.90      263.36032  (20041201)
        504971.98   3634475.90      243.10555  (20041201)              505021.98
3634475.90      234.32741  (20082306)
        505071.98   3634475.90      230.89439  (20082306)              505121.98
3634475.90      221.31204  (20082306)
        505171.98   3634475.90      209.53806  (20082306)              505221.98
3634475.90      199.12015  (20082306)
        502221.98   3634525.90      136.32434  (21021102)              502271.98
3634525.90      141.32935  (21021102)
        502321.98   3634525.90      146.69138  (21021102)              502371.98
3634525.90      152.44606  (21021102)
        502421.98   3634525.90      158.46449  (21021102)              502471.98
3634525.90      164.93795  (21021102)
        502521.98   3634525.90      171.78822  (21021102)              502571.98
3634525.90      179.26490  (21021102)
        502621.98   3634525.90      187.21569  (21021102)              502671.98
3634525.90      196.11285  (21021102)
        504771.98   3634525.90      245.79507  (20041201)              504821.98
3634525.90      237.85640  (20041201)
        504871.98   3634525.90      259.73577  (20041201)              504921.98
3634525.90      297.71774  (20041201)
        504971.98   3634525.90      297.54612  (20041201)              505021.98
3634525.90      283.66407  (20041201)
        505071.98   3634525.90      270.14272  (20041201)              505121.98
3634525.90      251.85889  (20041201)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        502621.98   3634575.90   169.40402 (21021102)   502671.98
3634575.90   175.75676 (21021102)
        504771.98   3634575.90   299.82621 (20081806)   504821.98
3634575.90   278.77571 (20081806)
        504871.98   3634575.90   289.52713 (20041201)   504921.98
3634575.90   306.66395 (20041201)
        504971.98   3634575.90   299.23574 (20041201)   505021.98
3634575.90   285.32480 (20041201)
        505071.98   3634575.90   272.57998 (20041201)   505121.98
3634575.90   259.32086 (20041201)
        505171.98   3634575.90   230.73252 (20041201)   505221.98

3634575.90 216.74380 (20041201)
502221.98 3634625.90 115.99842 (21021102) 502271.98
3634625.90 118.58314 (21021102)
502321.98 3634625.90 120.85159 (21021102) 502371.98
3634625.90 123.62431 (21021102)
502421.98 3634625.90 126.47587 (21021102) 502471.98
3634625.90 129.45925 (21021102)
502521.98 3634625.90 132.75249 (21021102) 502571.98
3634625.90 139.24323 (19050903)
502621.98 3634625.90 151.21165 (19050903) 502671.98
3634625.90 164.13583 (19050903)
504771.98 3634625.90 332.35152 (20081806) 504821.98
3634625.90 316.86125 (20081806)
504871.98 3634625.90 305.41702 (20081806) 504921.98
3634625.90 295.95852 (20081806)
504971.98 3634625.90 287.27180 (20081806) 505021.98
3634625.90 270.87985 (20081806)
505071.98 3634625.90 253.51873 (20041201) 505121.98
3634625.90 242.39027 (20041201)
505171.98 3634625.90 210.79366 (20041201) 505221.98
3634625.90 197.42892 (20041201)
502221.98 3634675.90 100.31247 (19101801) 502271.98
3634675.90 105.76829 (19050903)
502321.98 3634675.90 113.56999 (19050903) 502371.98
3634675.90 121.54997 (19050903)
502421.98 3634675.90 130.25071 (19050903) 502471.98
3634675.90 139.49180 (19050903)
502521.98 3634675.90 149.25617 (19050903) 502571.98
3634675.90 159.68325 (19050903)
502621.98 3634675.90 170.53485 (19050903) 502671.98
3634675.90 181.49609 (19050903)
504771.98 3634675.90 319.66866 (21012820) 504821.98
3634675.90 309.85026 (21012820)
504871.98 3634675.90 302.00900 (20081806) 504921.98
3634675.90 295.12030 (20081806)
504971.98 3634675.90 289.95473 (20081806) 505021.98
3634675.90 278.48131 (20081806)
505071.98 3634675.90 256.50788 (20081806) 505121.98
3634675.90 244.04956 (20081806)
505171.98 3634675.90 218.11739 (20081806) 505221.98
3634675.90 198.54859 (20081806)
502221.98 3634725.90 113.51668 (19050903) 502271.98
3634725.90 120.52962 (19050903)
502321.98 3634725.90 127.31307 (19050903) 502371.98
3634725.90 134.66788 (19050903)
502421.98 3634725.90 142.66715 (19050903) 502471.98
3634725.90 150.51481 (19050903)
502521.98 3634725.90 158.15366 (19050903) 502571.98
3634725.90 166.09558 (19050903)
502621.98 3634725.90 173.59837 (19050903) 502671.98

        502621.98   3634775.90   160.56862 (19050903)   502671.98
3634775.90   163.05401 (19050903)

504771.98 3634775.90 281.00452 (20082303) 504821.98 3634775.90 308.02236 (20081401)
504871.98 3634775.90 325.49543 (20081401) 504921.98 3634775.90 271.30707 (19022319)
504971.98 3634775.90 249.70117 (19022319) 505021.98 3634775.90 218.41234 (19022319)
505071.98 3634775.90 213.51052 (20081806) 505121.98 3634775.90 208.85259 (20081806)
505171.98 3634775.90 186.95728 (20081806) 505221.98 3634775.90 177.72739 (20081806)
502221.98 3634825.90 122.93499 (19050903) 502271.98 3634825.90 126.51300 (19050903)
502321.98 3634825.90 129.44743 (19050903) 502371.98 3634825.90 132.07728 (19050903)
502421.98 3634825.90 133.92290 (19050903) 502471.98 3634825.90 135.09068 (19050903)
502521.98 3634825.90 136.67478 (19050903) 502571.98 3634825.90 136.85430 (19050903)
502621.98 3634825.90 136.01959 (19050903) 502671.98 3634825.90 134.20129 (19050903)
504771.98 3634825.90 276.21849 (20082303) 504821.98 3634825.90 328.15129 (20081401)
504871.98 3634825.90 282.34813 (20081401) 504921.98 3634825.90 257.74495 (19030607)
504971.98 3634825.90 229.44178 (20082024) 505021.98 3634825.90 191.74392 (20082024)
505071.98 3634825.90 181.88460 (20082303) 505121.98 3634825.90 179.12183 (19022319)
505171.98 3634825.90 163.33654 (19022319) 505221.98 3634825.90 155.51595 (19022319)
502221.98 3634875.90 115.40329 (19050903) 502271.98 3634875.90 116.11630 (19050903)
502321.98 3634875.90 116.59099 (19050903) 502371.98 3634875.90 116.60423 (19050903)
502421.98 3634875.90 115.90414 (19050903) 502471.98 3634875.90 114.48848 (19050903)
502521.98 3634875.90 112.34834 (19050903) 502571.98 3634875.90 111.61004 (19022707)
502621.98 3634875.90 121.65282 (20021724) 502671.98 3634875.90 139.51782 (20021724)
504771.98 3634875.90 219.80727 (20082303) 504821.98 3634875.90 259.42773 (20082303)
504871.98 3634875.90 261.98028 (19042006) 504921.98 3634875.90 263.33566 (20082024)
504971.98 3634875.90 236.88859 (20082024) 505021.98 3634875.90 199.64885 (20082024)
505071.98 3634875.90 176.51169 (20082024) 505121.98 3634875.90 171.61504 (20082024)
505171.98 3634875.90 155.54331 (20082024) 505221.98 3634875.90 151.65460 (20082303)

```
        502221.98   3634925.90      100.93059  (19050903)                502271.98
3634925.90       99.65162  (19050903)
        502321.98   3634925.90       98.00968  (19050903)                502371.98
3634925.90       95.77431  (19050903)
        502421.98   3634925.90       96.54421  (19022707)                502471.98
3634925.90      102.22650  (19022707)
        502521.98   3634925.90      113.98468  (20021724)                502571.98
3634925.90      128.96716  (20021724)
        502621.98   3634925.90      144.69176  (20021724)                502671.98
3634925.90      160.98657  (20021724)
        504771.98   3634925.90      133.49729  (21071520)                504821.98
3634925.90      222.74121  (19022007)
        504871.98   3634925.90      281.95251  (20010802)                504921.98
3634925.90      265.27923  (20082106)
        504971.98   3634925.90      240.84188  (20082024)                505021.98
3634925.90      204.15631  (20082024)
        505071.98   3634925.90      180.94259  (20082024)                505121.98
3634925.90      178.16079  (20082024)
        505171.98   3634925.90      168.58497  (20082024)                505221.98
3634925.90      162.27006  (20082024)
        502221.98   3634975.90       82.78297  (19050903)                502271.98
3634975.90       84.99677  (19022707)
        502321.98   3634975.90       89.64169  (19022707)                502371.98
3634975.90       94.97769  (20021724)
        502421.98   3634975.90      107.09947  (20021724)                502471.98
3634975.90      119.73326  (20021724)
        502521.98   3634975.90      132.99880  (20021724)                502571.98
3634975.90      146.18118  (20021724)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1090
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502621.98	3634975.90	162.06494	(21011719)	502671.98	3634975.90	187.12857	(21011719)
504821.98	3634975.90	231.15806	(20092620)	504871.98	3634975.90	280.06461	(20010802)
504921.98	3634975.90	281.21539	(20082106)	504971.98	3634975.90	250.34098	(20082106)
505021.98	3634975.90	208.32128	(20082106)	505071.98	3634975.90	186.42704	(20082024)
505121.98	3634975.90	194.06966	(20082024)	505171.98	3634975.90	188.94567	(20082024)
505221.98	3634975.90	180.27907	(20082024)	502221.98	3635025.90	83.58277	(19022707)
502271.98	3635025.90	90.44268	(20021724)	502321.98	3635025.90	100.89755	(20021724)
502371.98	3635025.90	111.73716	(20021724)	502421.98	3635025.90	122.95346	(20021724)
502471.98	3635025.90	133.97861	(20021724)	502521.98	3635025.90	147.77795	(21011719)
502571.98	3635025.90	169.78829	(21011719)	502621.98	3635025.90	189.82671	(21011719)
502671.98	3635025.90	206.11726	(21011719)	504871.98	3635025.90	258.11281	(20092620)
504921.98	3635025.90	299.84386	(20092620)	504971.98	3635025.90	268.54805	(20082106)
505021.98	3635025.90	232.33925	(20082106)	505071.98	3635025.90	211.72675	(20082106)
505121.98	3635025.90	208.66314	(20082106)	505171.98	3635025.90	198.23105	(20082024)
505221.98	3635025.90	192.30950	(20082024)	502221.98	3635075.90	95.23074	(20021724)
502271.98	3635075.90	104.59352	(20021724)	502321.98	3635075.90	114.19273	(20021724)
502371.98	3635075.90	123.50942	(20021724)	502421.98	3635075.90	135.54521	(21011719)
502471.98	3635075.90	155.02477	(21011719)	502521.98	3635075.90	172.89902	(21011719)
502571.98	3635075.90	187.67113	(21011719)	502621.98	3635075.90	197.92096	(21011719)
502671.98	3635075.90	202.61155	(21011719)	504921.98	3635075.90	289.48391	(19030707)
504971.98	3635075.90	294.38231	(20092620)	505021.98	3635075.90	250.61699	(20082302)
505071.98	3635075.90	241.66471	(20082106)	505121.98			

```
3635075.90      238.55888  (20082106)
        505171.98   3635075.90      230.70919  (20082106)                505221.98
3635075.90      213.03690  (20082106)
        502221.98   3635125.90      106.29837  (20021724)                502271.98
3635125.90      114.25123  (20021724)
        502321.98   3635125.90      124.97107  (21011719)                502371.98
3635125.90      142.28217  (21011719)
        502421.98   3635125.90      158.27396  (21011719)                502471.98
3635125.90      171.64965  (21011719)
        502521.98   3635125.90      181.15741  (21011719)                502571.98
3635125.90      185.77181  (21011719)
        502621.98   3635125.90      184.78776  (21011719)                502671.98
3635125.90      177.79001  (21011719)
        505021.98   3635125.90      291.67371  (20092620)                505071.98
3635125.90      271.37899  (20082302)
        505121.98   3635125.90      257.38449  (20092620)                505171.98
3635125.90      232.96676  (20092620)
        505221.98   3635125.90      231.27814  (20082106)                502221.98
3635175.90      115.76371  (21011719)
        502271.98   3635175.90      131.17975  (21011719)                502321.98
3635175.90      145.56056  (21011719)
        502371.98   3635175.90      157.68499  (21011719)                502421.98
3635175.90      166.49667  (21011719)
        502471.98   3635175.90      171.05757  (21011719)                502521.98
3635175.90      170.68890  (21011719)
        502571.98   3635175.90      165.05275  (21011719)                502621.98
3635175.90      168.00642  (20022207)
        502671.98   3635175.90      189.94354  (20022207)                505121.98
3635175.90      214.26698  (19030707)
        505171.98   3635175.90      212.77448  (20092620)                505221.98
3635175.90      228.29618  (20092620)
        502221.98   3635225.90      134.42611  (21011719)                502271.98
3635225.90      145.44838  (21011719)
        502321.98   3635225.90      153.62143  (21011719)                502371.98
3635225.90      158.10499  (21011719)
        502421.98   3635225.90      158.26883  (21011719)                502471.98
3635225.90      153.78643  (21011719)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1091
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
```

```
, L0000310    , L0000311    , L0000312    ,
                L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        502521.98   3635225.90      145.92950  (20022207)                502571.98
3635225.90      166.22919  (20022207)
        502621.98   3635225.90      184.14822  (20022207)                502671.98
3635225.90      197.84339  (20022207)
        502221.98   3635275.90      177.43679  (21011719)                502271.98
3635275.90      146.63244  (21011719)
        502321.98   3635275.90      149.74967  (21011719)                502371.98
3635275.90      153.76791  (21011719)
        502421.98   3635275.90      140.14437  (21011719)                502471.98
3635275.90      145.94938  (20022207)
        502521.98   3635275.90      172.91639  (19013101)                502571.98
3635275.90      177.48882  (20022207)
        502621.98   3635275.90      186.90373  (20022207)                502671.98
3635275.90      190.34788  (20022207)
        502221.98   3635325.90      228.33096  (21011719)                502271.98
3635325.90      137.51543  (21011719)
        502321.98   3635325.90      187.33767  (21011719)                502371.98
3635325.90      175.74523  (21011719)
        502421.98   3635325.90      182.11173  (19013101)                502471.98
3635325.90      198.87766  (19013101)
        502521.98   3635325.90      196.18790  (20022207)                502571.98
3635325.90      195.62677  (20022207)
        502621.98   3635325.90      193.02647  (20022207)                502671.98
3635325.90      187.77426  (21012023)
        502221.98   3635375.90      199.78813  (21011719)                502271.98
3635375.90      165.78166  (21011719)
        502321.98   3635375.90      154.12046  (19013101)                502371.98
3635375.90      198.39978  (21052423)
        502421.98   3635375.90      208.32192  (19013101)                502471.98
3635375.90      215.50806  (19013101)
        502521.98   3635375.90      201.78655  (20022207)                502571.98
3635375.90      190.73319  (20022207)
        502621.98   3635375.90      194.19673  (20122320)                502671.98
3635375.90      207.02051  (21012023)
```

```
        502221.98   3635425.90      196.20655  (21052423)                502271.98
3635425.90      146.12615  (19013101)
        502321.98   3635425.90      181.91997  (19013101)                502371.98
3635425.90      195.57826  (19013101)
        502421.98   3635425.90      202.48063  (20022207)                502471.98
3635425.90      220.40799  (19012005)
        502521.98   3635425.90      220.85959  (20122320)                502571.98
3635425.90      225.03501  (21012023)
        502621.98   3635425.90      232.78653  (21012023)                502671.98
3635425.90      224.17893  (21012023)
        504771.98   3635425.90      140.11049  (21012617)                502221.98
3635475.90      190.78403  (21052423)
        502271.98   3635475.90      184.36661  (19013101)                502321.98
3635475.90      189.19183  (19013101)
        502371.98   3635475.90      197.06498  (19012005)                502421.98
3635475.90      210.47289  (19012005)
        502471.98   3635475.90      232.00539  (19083024)                502521.98
3635475.90      221.90854  (21012023)
        502571.98   3635475.90      224.99367  (21012023)                502621.98
3635475.90      216.88756  (21012023)
        502671.98   3635475.90      214.70535  (20122721)                504771.98
3635475.90      248.70005  (21122618)
        504821.98   3635475.90      223.23811  (21122618)                504871.98
3635475.90      205.82412  (21122618)
        504921.98   3635475.90      176.51346  (21012617)                502221.98
3635525.90      205.34404  (21031323)
        502271.98   3635525.90      184.62144  (19012005)                502321.98
3635525.90      197.41133  (19012005)
        502371.98   3635525.90      197.84244  (20122320)                502421.98
3635525.90      204.46785  (20122320)
        502471.98   3635525.90      220.48378  (21012023)                502521.98
3635525.90      218.83590  (21012023)
        502571.98   3635525.90      209.95164  (21012023)                502621.98
3635525.90      211.72234  (20122721)
        502671.98   3635525.90      233.20310  (20070801)                502721.98
3635525.90      246.58723  (20070801)
        502771.98   3635525.90      246.56600  (20070802)                502821.98
3635525.90      278.33824  (20070802)
        502871.98   3635525.90      279.73117  (20070802)                502921.98
3635525.90      288.18750  (19091321)
        502971.98   3635525.90      315.83699  (19091321)                503021.98
3635525.90      327.92811  (20042421)
        503071.98   3635525.90      324.18401  (20042421)                503121.98
3635525.90      228.11391  (19121706)
        503171.98   3635525.90      203.08333  (19121706)                503221.98
3635525.90      296.72032  (20110924)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 ,
L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 ,
L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
503271.98	3635525.90	330.28117	(20091222)	503321.98	3635525.90	332.27570	(19111601)
503371.98	3635525.90	352.26845	(20033120)	503421.98	3635525.90	365.08427	(19071201)
503471.98	3635525.90	409.40894	(20101023)	503521.98	3635525.90	398.20282	(19031924)
503571.98	3635525.90	384.35202	(19031924)	503621.98	3635525.90	332.56525	(21021806)
503671.98	3635525.90	320.78890	(19101219)	503721.98	3635525.90	343.85734	(19101219)
503771.98	3635525.90	363.12497	(20071102)	503821.98	3635525.90	325.71884	(20071102)
503871.98	3635525.90	312.99777	(19013104)	503921.98	3635525.90	409.13665	(19122420)
503971.98	3635525.90	385.71938	(19122420)	504021.98	3635525.90	332.06126	(20092001)
504071.98	3635525.90	206.74222	(21013118)	504121.98	3635525.90	203.05420	(21013118)
504171.98	3635525.90	233.82762	(21013118)	504221.98	3635525.90	198.94680	(21013118)
504271.98	3635525.90	173.71184	(21013118)	504321.98	3635525.90	140.73507	(21013118)
504371.98	3635525.90	108.46082	(21013118)	504421.98	3635525.90	81.26184	(21013118)
504471.98	3635525.90	91.65284	(20040223)	504521.98			

3635525.90 110.73798 (20011620)
504571.98 3635525.90 152.82756 (20011620) 504621.98
3635525.90 175.36543 (20011620)
504671.98 3635525.90 180.01857 (20011620) 504721.98
3635525.90 221.64981 (21122618)
504771.98 3635525.90 240.35750 (21122618) 504821.98
3635525.90 243.58058 (21122618)
504871.98 3635525.90 229.04682 (21122618) 504921.98
3635525.90 191.91859 (21122618)
504971.98 3635525.90 170.92117 (21122618) 505021.98
3635525.90 186.21864 (19102623)
505071.98 3635525.90 200.48766 (19102623) 505121.98
3635525.90 200.97236 (19102623)
505171.98 3635525.90 190.47694 (19102623) 505221.98
3635525.90 171.90026 (19102623)
502221.98 3635575.90 215.01134 (19012005) 502271.98
3635575.90 201.47901 (19012005)
502321.98 3635575.90 192.74746 (20122320) 502371.98
3635575.90 199.35722 (21012023)
502421.98 3635575.90 212.71493 (21012023) 502471.98
3635575.90 211.81014 (21012023)
502521.98 3635575.90 197.43904 (21012023) 502571.98
3635575.90 201.81111 (20122721)
502621.98 3635575.90 220.24572 (20070801) 502671.98
3635575.90 236.07720 (20070801)
502721.98 3635575.90 237.51557 (20070802) 502771.98
3635575.90 266.80161 (20070802)
502821.98 3635575.90 273.72567 (20070802) 502871.98
3635575.90 276.60635 (20111121)
502921.98 3635575.90 306.31019 (19091321) 502971.98
3635575.90 313.47246 (19071423)
503021.98 3635575.90 347.90696 (20042421) 503071.98
3635575.90 305.02102 (20042421)
503121.98 3635575.90 205.46512 (19121706) 503171.98
3635575.90 169.73247 (19121706)
503221.98 3635575.90 342.79061 (19073101) 503271.98
3635575.90 364.81428 (20091222)
503321.98 3635575.90 338.45606 (19111601) 503371.98
3635575.90 377.61442 (20033120)
503421.98 3635575.90 394.68809 (20101023) 503471.98
3635575.90 376.89259 (20101023)
503521.98 3635575.90 385.63377 (19031924) 503571.98
3635575.90 392.40431 (20090823)
503621.98 3635575.90 354.99711 (21081004) 503671.98
3635575.90 343.94402 (19101219)
503721.98 3635575.90 344.73576 (19101219) 503771.98
3635575.90 347.57507 (20071102)
503821.98 3635575.90 300.79481 (20071102) 503871.98
3635575.90 305.51575 (21061222)
503921.98 3635575.90 384.70106 (19122420) 503971.98

3635575.90   378.41861 (19122420)
        504021.98   3635575.90   176.33997 (20092001)   504071.98
3635575.90   172.91762 (21013118)
        504121.98   3635575.90   217.96725 (21013118)   504171.98
3635575.90   236.91269 (21013118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                 L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                 L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        504221.98   3635575.90   205.46356 (21013118)   504271.98
3635575.90   175.72405 (21013118)
        504321.98   3635575.90   147.22951 (21013118)   504371.98
3635575.90   116.05040 (21013118)
        504421.98   3635575.90   88.42225 (21013118)   504471.98
3635575.90   77.80685 (20040223)
        504521.98   3635575.90   90.89592 (20011620)   504571.98
3635575.90   109.24521 (20011620)
        504621.98   3635575.90   156.84528 (20011620)   504671.98
3635575.90   169.85404 (20011620)
        504721.98   3635575.90   185.12060 (20011620)   504771.98
3635575.90   210.29280 (21122618)
        504821.98   3635575.90   234.16513 (21122618)   504871.98
3635575.90   230.09363 (21122618)
        504921.98   3635575.90   165.14278 (21122618)   504971.98
3635575.90   191.02296 (21122618)

```
        505021.98   3635575.90      172.73501  (20091421)              505071.98
3635575.90      171.19178  (19102623)
        505121.98   3635575.90      201.45666  (19102623)              505171.98
3635575.90      187.96878  (19102623)
        505221.98   3635575.90      198.39448  (19102623)              502221.98
3635625.90      207.65407  (20122320)
        502271.98   3635625.90      210.98915  (19083024)              502321.98
3635625.90      208.48445  (20071201)
        502371.98   3635625.90      203.55377  (21012023)              502421.98
3635625.90      210.28518  (21012023)
        502471.98   3635625.90      204.07113  (21072005)              502521.98
3635625.90      213.97498  (20122721)
        502571.98   3635625.90      216.89074  (20070801)              502621.98
3635625.90      216.48406  (20070801)
        502671.98   3635625.90      223.08740  (20070802)              502721.98
3635625.90      257.99658  (20070802)
        502771.98   3635625.90      267.56223  (20070802)              502821.98
3635625.90      270.18602  (21121424)
        502871.98   3635625.90      296.46389  (19091321)              502921.98
3635625.90      302.55435  (19071423)
        502971.98   3635625.90      330.08359  (20042421)              503021.98
3635625.90      325.42977  (20042421)
        503071.98   3635625.90      289.30625  (20110924)              503121.98
3635625.90      330.33961  (20110924)
        503171.98   3635625.90      323.54856  (19073101)              503221.98
3635625.90      328.53498  (20091222)
        503271.98   3635625.90      325.56415  (19111601)              503321.98
3635625.90      327.28330  (20033120)
        503371.98   3635625.90      350.23404  (20033120)              503421.98
3635625.90      377.15664  (20101023)
        503471.98   3635625.90      360.12910  (20120224)              503521.98
3635625.90      351.27813  (20120224)
        503571.98   3635625.90      360.68586  (20090823)              503621.98
3635625.90      373.27457  (21081004)
        503671.98   3635625.90      365.65589  (19101219)              503721.98
3635625.90      356.03968  (19101219)
        503771.98   3635625.90      358.87408  (20071102)              503821.98
3635625.90      310.17287  (20071102)
        503871.98   3635625.90      276.42306  (21061222)              503921.98
3635625.90      355.28983  (19122420)
        503971.98   3635625.90      361.59015  (19122420)              504021.98
3635625.90      177.26866  (20092001)
        504071.98   3635625.90      156.10581  (21013118)              504121.98
3635625.90      201.51677  (21013118)
        504171.98   3635625.90      224.55468  (21013118)              504221.98
3635625.90      221.09360  (21013118)
        504271.98   3635625.90      193.05435  (21013118)              504321.98
3635625.90      152.06173  (21013118)
        504371.98   3635625.90      123.15688  (21013118)              504421.98
3635625.90       95.30734  (21013118)
```

```
        504471.98   3635625.90       72.13277  (21013118)               504521.98
3635625.90       78.24946  (20040223)
        504571.98   3635625.90       90.56568  (20011620)               504621.98
3635625.90      110.29023  (20011620)
        504671.98   3635625.90      143.11194  (20011620)               504721.98
3635625.90      162.66059  (20011620)
        504771.98   3635625.90      207.98984  (21090701)               504821.98
3635625.90      205.79986  (21122618)
        504871.98   3635625.90      218.67245  (21122618)               504921.98
3635625.90      158.75574  (21122618)
        504971.98   3635625.90      206.84038  (21122618)               505021.98
3635625.90      142.31488  (21012617)
        505071.98   3635625.90      144.33074  (21012617)               505121.98
3635625.90      158.35505  (21012617)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1094
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        505171.98   3635625.90      169.92282  (19102623)               505221.98
3635625.90      173.88461  (19102623)
        502221.98   3635675.90      208.91139  (20122320)               502271.98
3635675.90      208.17474  (21012023)
        502321.98   3635675.90      210.37079  (21012023)               502371.98
3635675.90      200.87773  (21012023)
        502421.98   3635675.90      194.08995  (20122721)               502471.98
```

3635675.90 209.59213 (20122721)
502521.98 3635675.90 217.59185 (20070801) 502571.98
3635675.90 219.12162 (20070801)
502621.98 3635675.90 212.04324 (20070802) 502671.98
3635675.90 242.79329 (20070802)
502721.98 3635675.90 255.75923 (20070802) 502771.98
3635675.90 264.63914 (21121424)
502821.98 3635675.90 271.22971 (19091321) 502871.98
3635675.90 276.21353 (19071423)
502921.98 3635675.90 279.08588 (20042421) 502971.98
3635675.90 299.11298 (19121706)
503021.98 3635675.90 296.80701 (19121706) 503071.98
3635675.90 256.60163 (20110924)
503121.98 3635675.90 257.89863 (20110924) 503171.98
3635675.90 276.51631 (21021621)
503221.98 3635675.90 274.86091 (20091222) 503271.98
3635675.90 266.32514 (19111601)
503321.98 3635675.90 279.34239 (19050823) 503371.98
3635675.90 299.83902 (19071201)
503421.98 3635675.90 326.81800 (20101023) 503471.98
3635675.90 352.49441 (20120224)
503521.98 3635675.90 326.89233 (19072124) 503571.98
3635675.90 323.74420 (20090823)
503621.98 3635675.90 355.03082 (21081004) 503671.98
3635675.90 356.21194 (19101219)
503721.98 3635675.90 342.66118 (19101219) 503771.98
3635675.90 351.02259 (20071102)
503821.98 3635675.90 307.57953 (20071102) 503871.98
3635675.90 283.53295 (21061222)
503921.98 3635675.90 346.83219 (19122420) 503971.98
3635675.90 359.23737 (19122420)
504021.98 3635675.90 262.49529 (19122420) 504071.98
3635675.90 165.66874 (20092001)
504121.98 3635675.90 181.80401 (21013118) 504171.98
3635675.90 210.00912 (21013118)
504221.98 3635675.90 214.58363 (21013118) 504271.98
3635675.90 196.33011 (21013118)
504321.98 3635675.90 162.51682 (21013118) 504371.98
3635675.90 129.68842 (21013118)
504421.98 3635675.90 102.85234 (21013118) 504471.98
3635675.90 127.06407 (21121422)
504521.98 3635675.90 148.23409 (21121422) 504571.98
3635675.90 78.00355 (20040223)
504621.98 3635675.90 112.74275 (20011620) 504671.98
3635675.90 129.10610 (20011620)
504721.98 3635675.90 145.31708 (20011620) 504771.98
3635675.90 219.55043 (21090701)
504821.98 3635675.90 202.11192 (21090701) 504871.98
3635675.90 193.91369 (21122618)
504921.98 3635675.90 165.35001 (21122618) 504971.98

3635675.90   211.72642 (21122618)
        505021.98   3635675.90   194.13923 (21122618)   505071.98
3635675.90   140.06372 (21122618)
        505121.98   3635675.90   162.63787 (20091421)   505171.98
3635675.90   151.95737 (21012617)
        505221.98   3635675.90   157.16904 (19102623)   502221.98
3635725.90   214.54233 (21012023)
        502271.98   3635725.90   207.09580 (21012023)   502321.98
3635725.90   193.87870 (21012023)
        502371.98   3635725.90   185.90737 (20122721)   502421.98
3635725.90   204.62030 (20122721)
        502471.98   3635725.90   207.46930 (20070801)   502521.98
3635725.90   208.40298 (20070801)
        502571.98   3635725.90   202.84378 (20070802)   502621.98
3635725.90   230.52604 (20070802)
        502671.98   3635725.90   243.77513 (20070802)   502721.98
3635725.90   246.19879 (21121424)
        502771.98   3635725.90   254.76615 (21121424)   502821.98
3635725.90   260.55604 (19091321)
        502871.98   3635725.90   268.85362 (20042421)   502921.98
3635725.90   285.06474 (19121706)
        502971.98   3635725.90   293.40695 (19121706)   503021.98
3635725.90   257.70200 (19121706)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000310   , L0000311   , L0000312   ,
                 L0000313   , L0000314   , L0000315   , L0000316   , L0000317 , L0000318   , L0000319   , L0000910   ,
                 L0000911   , L0000912   , L0000913   , L0000914   , L0000915 , L0000916   , L0000917   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

```
 - - -
```

```
        502421.98   3635775.90      200.99851  (20122721)                502471.98
3635775.90      197.88074  (20070801)
        502521.98   3635775.90      196.44150  (19031105)                502571.98
3635775.90      218.95279  (20070802)
        502621.98   3635775.90      231.38624  (20070802)                502671.98
3635775.90      237.27175  (21121424)
        502721.98   3635775.90      240.56479  (21121424)                502771.98
3635775.90      258.31871  (19091321)
        502821.98   3635775.90      253.04555  (19071423)                502871.98
3635775.90      268.08789  (20042421)
        502921.98   3635775.90      283.93831  (19121706)                502971.98
3635775.90      264.26192  (19121706)
        503021.98   3635775.90      241.98633  (21100523)                503071.98
3635775.90      243.98581  (21100523)
        503121.98   3635775.90      264.01405  (21021621)                503171.98
3635775.90      256.77686  (21021621)
        503221.98   3635775.90      259.64522  (19050823)                503271.98
3635775.90      283.65208  (19050823)
        503321.98   3635775.90      283.61104  (21100603)                503371.98
3635775.90      285.72990  (21100603)
        503421.98   3635775.90      315.09781  (20120224)                503471.98
3635775.90      320.32084  (20120224)
        503521.98   3635775.90      300.04026  (19072124)                503571.98
3635775.90      295.26380  (21021806)
        503621.98   3635775.90      275.96044  (21081004)                503671.98
3635775.90      314.31299  (19101219)
        503721.98   3635775.90      304.80853  (19101219)                503771.98
3635775.90      316.52413  (20071102)
        503821.98   3635775.90      287.40778  (20071102)                503871.98
3635775.90      271.06240  (21061222)
        503921.98   3635775.90      303.51828  (19122420)                503971.98
3635775.90      352.03863  (19122420)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1096
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                 L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                 L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504021.98	3635775.90	291.55163	(19122420)	504071.98	3635775.90	299.00383	(20092001)
504121.98	3635775.90	266.24156	(20092001)	504171.98	3635775.90	261.78506	(21060422)
504221.98	3635775.90	246.01974	(21013118)	504271.98	3635775.90	245.47399	(21013118)
504321.98	3635775.90	246.58038	(20121721)	504371.98	3635775.90	178.11656	(20121721)
504421.98	3635775.90	128.96996	(19022602)	504471.98	3635775.90	192.12016	(19022602)
504521.98	3635775.90	212.88129	(19022602)	504571.98	3635775.90	141.48831	(21121422)
504621.98	3635775.90	187.70751	(21121422)	504671.98	3635775.90	130.57950	(21121422)
504721.98	3635775.90	112.22664	(20011620)	504771.98	3635775.90	129.54233	(20011620)
504821.98	3635775.90	140.12570	(20011620)	504871.98	3635775.90	144.11775	(20011620)
504921.98	3635775.90	146.69299	(20011620)	504971.98	3635775.90	184.73209	(21122618)
505021.98	3635775.90	201.12340	(21122618)	505071.98	3635775.90	190.22519	(21122618)
505121.98	3635775.90	186.85584	(21122618)	505171.98	3635775.90	170.35196	(21122618)
505221.98	3635775.90	150.33209	(20091421)	502221.98	3635825.90	182.17784	(21012023)
502271.98	3635825.90	188.92127	(20122721)	502321.98	3635825.90	196.52349	(20122721)
502371.98	3635825.90	191.14194	(20122721)	502421.98	3635825.90	188.83888	(19031105)
502471.98	3635825.90	189.23188	(19031105)	502521.98	3635825.90	203.88118	(20070802)
502571.98	3635825.90	218.48102	(20070802)	502621.98	3635825.90	226.22578	(21121424)
502671.98	3635825.90	234.76555	(21121424)	502721.98	3635825.90	241.64470	(19091321)
502771.98	3635825.90	245.66562	(19071423)	502821.98	3635825.90	259.89491	(20042421)
502871.98	3635825.90	264.68648	(19121706)	502921.98			

3635825.90   264.98230 (19121706)
        502971.98   3635825.90   223.24736 (19121706)   503021.98
3635825.90   240.81455 (21100523)
        503071.98   3635825.90   244.81934 (21021621)   503121.98
3635825.90   256.18967 (21021621)
        503171.98   3635825.90   251.58955 (21112718)   503221.98
3635825.90   262.51704 (19050823)
        503271.98   3635825.90   268.43476 (19050823)   503321.98
3635825.90   279.32069 (21100603)
        503371.98   3635825.90   267.83337 (21100603)   503421.98
3635825.90   309.59418 (20120224)
        503471.98   3635825.90   298.05209 (20120224)   503521.98
3635825.90   272.90802 (19072124)
        503571.98   3635825.90   280.99403 (19051001)   503621.98
3635825.90   263.25380 (19051001)
        503671.98   3635825.90   273.36575 (19101219)   503721.98
3635825.90   293.95479 (21041324)
        503771.98   3635825.90   299.82417 (20071102)   503821.98
3635825.90   272.13626 (20071102)
        503871.98   3635825.90   251.52286 (21061222)   503921.98
3635825.90   279.76343 (19122420)
        503971.98   3635825.90   331.60363 (19122420)   504021.98
3635825.90   305.03410 (19122420)
        504071.98   3635825.90   293.08414 (20092001)   504121.98
3635825.90   302.12873 (20092001)
        504171.98   3635825.90   283.42324 (21060422)   504221.98
3635825.90   260.63696 (21060422)
        504271.98   3635825.90   253.99253 (21013118)   504321.98
3635825.90   257.60008 (20121721)
        504371.98   3635825.90   247.73803 (20121721)   504421.98
3635825.90   218.43103 (20092821)
        504471.98   3635825.90   206.59480 (20092821)   504521.98
3635825.90   222.76546 (19022602)
        504571.98   3635825.90   202.06342 (19022602)   504621.98
3635825.90   205.91793 (21121422)
        504671.98   3635825.90   166.61682 (21121422)   504721.98
3635825.90   92.00941 (20011620)
        504771.98   3635825.90   111.15167 (20011620)   504821.98
3635825.90   135.52674 (20011620)
        504871.98   3635825.90   166.52130 (21090701)   504921.98
3635825.90   160.23667 (21090701)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

```
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        504971.98   3635825.90      172.18383  (21090701)                505021.98
3635825.90      176.00677  (21122618)
        505071.98   3635825.90      190.52237  (21122618)                505121.98
3635825.90      188.46729  (21122618)
        505171.98   3635825.90      182.26547  (21122618)                505221.98
3635825.90      166.13752  (21122618)
        502221.98   3635875.90      196.46115  (20122721)                502271.98
3635875.90      195.03238  (20122721)
        502321.98   3635875.90      189.30061  (20122721)                502371.98
3635875.90      180.19086  (19031105)
        502421.98   3635875.90      183.53881  (19031105)                502471.98
3635875.90      192.78260  (20070802)
        502521.98   3635875.90      202.10400  (20070802)                502571.98
3635875.90      218.44741  (21121424)
        502621.98   3635875.90      231.36120  (21121424)                502671.98
3635875.90      221.85222  (21121424)
        502721.98   3635875.90      227.29486  (19071423)                502771.98
3635875.90      243.75851  (20042421)
        502821.98   3635875.90      248.11719  (19121706)                502871.98
3635875.90      256.87548  (19121706)
        502921.98   3635875.90      231.05555  (19121706)                502971.98
3635875.90      223.52170  (21100523)
        503021.98   3635875.90      228.30509  (21100523)                503071.98
3635875.90      245.16803  (21021621)
        503121.98   3635875.90      239.75193  (21112718)                503171.98
3635875.90      239.94004  (21112718)
        503221.98   3635875.90      263.64886  (19050823)                503271.98
3635875.90      252.26069  (21100603)
        503321.98   3635875.90      271.27450  (21100603)                503371.98
3635875.90      262.14316  (20120224)
```

503421.98 3635875.90 299.78657 (20120224) 503471.98 3635875.90 284.37597 (19072124)
503521.98 3635875.90 246.81990 (20052321) 503571.98 3635875.90 272.20166 (19051001)
503621.98 3635875.90 249.00355 (19080922) 503671.98 3635875.90 263.48153 (19101219)
503721.98 3635875.90 284.45268 (21041324) 503771.98 3635875.90 279.87912 (20071102)
503821.98 3635875.90 254.18657 (20071102) 503871.98 3635875.90 220.85471 (21061222)
503921.98 3635875.90 254.55744 (19013104) 503971.98 3635875.90 312.39338 (19122420)
504021.98 3635875.90 309.89876 (19122420) 504071.98 3635875.90 265.84521 (20092001)
504121.98 3635875.90 291.28595 (20092001) 504171.98 3635875.90 279.05415 (21060422)
504221.98 3635875.90 276.23483 (21060422) 504271.98 3635875.90 257.58194 (21013118)
504321.98 3635875.90 255.49695 (19012903) 504371.98 3635875.90 270.49583 (20121721)
504421.98 3635875.90 255.47982 (20121721) 504471.98 3635875.90 226.95991 (20092821)
504521.98 3635875.90 209.39292 (19022602) 504571.98 3635875.90 213.70728 (19022602)
504621.98 3635875.90 199.72006 (21121422) 504671.98 3635875.90 199.98361 (21121422)
504721.98 3635875.90 97.74456 (21121422) 504771.98 3635875.90 93.41123 (20011620)
504821.98 3635875.90 118.75431 (21061321) 504871.98 3635875.90 141.60524 (21090701)
504921.98 3635875.90 160.97697 (21090701) 504971.98 3635875.90 177.46398 (21090701)
505021.98 3635875.90 165.07411 (21090701) 505071.98 3635875.90 166.71445 (21122618)
505121.98 3635875.90 181.65866 (21122618) 505171.98 3635875.90 183.70581 (21122618)
505221.98 3635875.90 177.60054 (21122618) 502221.98 3635925.90 203.23484 (20122721)
502271.98 3635925.90 189.61527 (20122721) 502321.98 3635925.90 179.63720 (19031105)
502371.98 3635925.90 175.37051 (19031105) 502421.98 3635925.90 181.17338 (20070802)
502471.98 3635925.90 193.43760 (20070802) 502521.98 3635925.90 211.94296 (21121424)
502571.98 3635925.90 224.60582 (21121424) 502621.98 3635925.90 219.34926 (21121424)
502671.98 3635925.90 205.95637 (19071423) 502721.98 3635925.90 218.92627 (20042421)
502771.98 3635925.90 238.61470 (20042421) 502821.98 3635925.90 248.82692 (19121706)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 ,
L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 ,
L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502871.98	3635925.90	235.34852	(19121706)	502921.98	3635925.90	211.39593	(21100523)
502971.98	3635925.90	220.36211	(21100523)	503021.98	3635925.90	228.39007	(21021621)
503071.98	3635925.90	236.46801	(21021621)	503121.98	3635925.90	235.46314	(21112718)
503171.98	3635925.90	241.84515	(19050823)	503221.98	3635925.90	254.78710	(19050823)
503271.98	3635925.90	254.96923	(21100603)	503321.98	3635925.90	258.34979	(21100603)
503371.98	3635925.90	268.25316	(20120224)	503421.98	3635925.90	285.72966	(20120224)
503471.98	3635925.90	264.99495	(19072124)	503521.98	3635925.90	236.34031	(19051001)
503571.98	3635925.90	262.21537	(19051001)	503621.98	3635925.90	235.39941	(19080922)
503671.98	3635925.90	255.19651	(21041324)	503721.98	3635925.90	278.05314	(21041324)
503771.98	3635925.90	266.01783	(21012024)	503821.98	3635925.90	244.54488	(19072223)
503871.98	3635925.90	211.52561	(21061222)	503921.98			

3635925.90 241.39804 (19072224)
503971.98 3635925.90 292.78727 (19122420) 504021.98
3635925.90 300.65005 (19122420)
504071.98 3635925.90 257.57497 (21062624) 504121.98
3635925.90 273.14456 (20092001)
504171.98 3635925.90 257.21590 (20092001) 504221.98
3635925.90 255.45192 (21060422)
504271.98 3635925.90 250.51128 (21013118) 504321.98
3635925.90 246.68054 (21013118)
504371.98 3635925.90 254.10897 (20121721) 504421.98
3635925.90 264.87726 (20121721)
504471.98 3635925.90 251.55744 (20092821) 504521.98
3635925.90 226.48998 (20092821)
504571.98 3635925.90 218.91847 (19022602) 504621.98
3635925.90 197.73217 (19022602)
504671.98 3635925.90 199.26885 (21121422) 504721.98
3635925.90 191.16095 (21121422)
504771.98 3635925.90 163.79905 (21121422) 504821.98
3635925.90 95.21847 (20011620)
504871.98 3635925.90 116.08622 (20011620) 504921.98
3635925.90 136.15916 (21090701)
504971.98 3635925.90 171.15486 (21090701) 505021.98
3635925.90 177.77750 (21090701)
505071.98 3635925.90 169.36488 (21090701) 505121.98
3635925.90 167.27879 (21122618)
505171.98 3635925.90 176.99818 (21122618) 505221.98
3635925.90 190.17398 (21122618)
502221.98 3635975.90 196.61769 (20122721) 502271.98
3635975.90 181.79989 (19031105)
502321.98 3635975.90 178.34641 (19031105) 502371.98
3635975.90 170.68757 (20070802)
502421.98 3635975.90 179.88059 (20070802) 502471.98
3635975.90 200.27261 (21121424)
502521.98 3635975.90 217.84504 (21121424) 502571.98
3635975.90 212.68376 (21121424)
502621.98 3635975.90 196.68853 (19091321) 502671.98
3635975.90 205.57376 (19112801)
502721.98 3635975.90 217.27780 (19121706) 502771.98
3635975.90 238.42354 (19121706)
502821.98 3635975.90 236.22951 (19121706) 502871.98
3635975.90 203.49177 (19121706)
502921.98 3635975.90 211.43626 (21100523) 502971.98
3635975.90 209.55415 (20070104)
503021.98 3635975.90 228.76307 (21021621) 503071.98
3635975.90 222.34063 (21112718)
503121.98 3635975.90 224.64328 (21112718) 503171.98
3635975.90 242.89072 (19050823)
503221.98 3635975.90 240.90916 (19050823) 503271.98
3635975.90 251.83860 (21100603)
503321.98 3635975.90 241.92900 (21100603) 503371.98

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                 L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                 L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        503821.98   3635975.90   239.32321 (19072223)   503871.98
3635975.90   200.89007 (19071923)
        503921.98   3635975.90   232.37169 (19072224)   503971.98
3635975.90   275.85340 (19122420)
        504021.98   3635975.90   284.98546 (19122420)   504071.98
3635975.90   244.74390 (19122420)
        504121.98   3635975.90   241.10935 (20092001)   504171.98
3635975.90   233.45771 (20092001)
        504221.98   3635975.90   228.19230 (21060422)   504271.98
3635975.90   239.65417 (21013118)
        504321.98   3635975.90   251.97134 (21013118)   504371.98
3635975.90   234.09335 (21013118)

504421.98 3635975.90 235.78988 (20121721) 504471.98 3635975.90 238.22667 (20121721)
504521.98 3635975.90 233.40085 (20092821) 504571.98 3635975.90 212.51474 (19022602)
504621.98 3635975.90 229.50212 (19022602) 504671.98 3635975.90 215.95111 (19022602)
504721.98 3635975.90 218.88418 (21121422) 504771.98 3635975.90 199.01326 (21121422)
504821.98 3635975.90 162.27373 (21121422) 504871.98 3635975.90 133.56744 (21061321)
504921.98 3635975.90 122.76671 (21090701) 504971.98 3635975.90 154.90888 (21090701)
505021.98 3635975.90 171.06503 (21090701) 505071.98 3635975.90 173.33659 (21090701)
505121.98 3635975.90 161.09793 (21090701) 505171.98 3635975.90 165.91462 (21122618)
505221.98 3635975.90 171.90934 (21122618) 501721.98 3632475.90 39.32708 (19010119)
501821.98 3632475.90 38.10074 (21030103) 501921.98 3632475.90 48.58202 (21030103)
502021.98 3632475.90 60.74912 (21030103) 502121.98 3632475.90 72.93243 (21030103)
502221.98 3632475.90 82.70744 (21030103) 502321.98 3632475.90 87.42665 (21030103)
502421.98 3632475.90 98.37061 (20121603) 502521.98 3632475.90 111.65638 (20121603)
502621.98 3632475.90 114.64520 (20121603) 502721.98 3632475.90 109.81554 (21063005)
502821.98 3632475.90 116.34213 (21063005) 502921.98 3632475.90 139.41313 (20102407)
503021.98 3632475.90 162.38809 (20111701) 503121.98 3632475.90 177.20682 (20111701)
503221.98 3632475.90 215.57523 (19081924) 503321.98 3632475.90 208.84107 (19110606)
503421.98 3632475.90 241.82990 (19101521) 503721.98 3632475.90 213.20549 (21020203)
503821.98 3632475.90 202.76797 (20082921) 503921.98 3632475.90 178.19607 (20082921)
504021.98 3632475.90 143.20614 (20081802) 504121.98 3632475.90 146.42158 (20022622)
504221.98 3632475.90 142.59265 (21011302) 504321.98 3632475.90 138.71187 (19102905)
504421.98 3632475.90 140.77076 (20022403) 504521.98 3632475.90 144.98537 (21011620)
504621.98 3632475.90 139.19262 (21013021) 504721.98 3632475.90 136.34227 (21120723)
504821.98 3632475.90 131.33995 (20101423) 504921.98 3632475.90 129.15188 (21011323)
505021.98 3632475.90 127.76748 (21010102) 505121.98 3632475.90 123.17997 (20011902)

```
        505221.98   3632475.90      122.99897  (21021820)                505321.98
3632475.90      119.73640  (21011520)
        505421.98   3632475.90      114.42953  (19121906)                505521.98
3632475.90      113.14171  (19122301)
        505621.98   3632475.90      106.46715  (20122923)                505721.98
3632475.90      103.86687  (20100121)
        501721.98   3632575.90       47.69403  (19010119)                501821.98
3632575.90       46.62745  (19010119)
        501921.98   3632575.90       46.73040  (21030103)                502021.98
3632575.90       58.66269  (21030103)
        502121.98   3632575.90       72.03560  (21030103)                502221.98
3632575.90       84.53155  (21030103)
        502321.98   3632575.90       94.54957  (21030103)                502421.98
3632575.90       97.58834  (21030103)
        502521.98   3632575.90      113.46454  (20121603)                502621.98
3632575.90      124.43295  (20121603)
        502721.98   3632575.90      123.48484  (20121603)                502821.98
3632575.90      123.82257  (21063005)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502921.98   3632575.90      133.62827  (21063005)                503021.98
3632575.90      167.67864  (20102407)
        503121.98   3632575.90      187.79469  (20111701)                503221.98
```

3632575.90 227.44313 (19081924)
503321.98 3632575.90 226.60766 (19081924) 503421.98
3632575.90 272.91832 (19110606)
503721.98 3632575.90 209.63051 (21020203) 503821.98
3632575.90 202.20393 (20082921)
503921.98 3632575.90 143.39238 (20082921) 504021.98
3632575.90 141.66350 (20082519)
504121.98 3632575.90 148.87048 (20022622) 504221.98
3632575.90 147.80156 (21011302)
504321.98 3632575.90 146.80519 (21022205) 504421.98
3632575.90 152.30598 (20022403)
504521.98 3632575.90 143.63654 (20052501) 504621.98
3632575.90 139.50834 (20042404)
504721.98 3632575.90 137.48213 (20112701) 504821.98
3632575.90 135.81265 (20112022)
504921.98 3632575.90 134.78410 (21011323) 505021.98
3632575.90 134.86544 (20011902)
505121.98 3632575.90 132.22322 (19022705) 505221.98
3632575.90 127.42789 (20121007)
505321.98 3632575.90 122.69179 (19121906) 505421.98
3632575.90 119.99032 (19122301)
505521.98 3632575.90 114.70503 (20122923) 505621.98
3632575.90 110.78214 (20100121)
505721.98 3632575.90 108.27979 (21022502) 501721.98
3632675.90 60.16245 (19010119)
501821.98 3632675.90 60.80537 (19010119) 501921.98
3632675.90 60.27909 (19010119)
502021.98 3632675.90 65.66018 (21030103) 502121.98
3632675.90 78.98451 (21030103)
502221.98 3632675.90 91.86520 (21030103) 502321.98
3632675.90 105.03603 (21030103)
502421.98 3632675.90 116.99478 (21030103) 502521.98
3632675.90 116.59147 (20121603)
502621.98 3632675.90 136.32974 (20121603) 502721.98
3632675.90 145.06336 (20121603)
502821.98 3632675.90 198.00168 (20092124) 502921.98
3632675.90 224.79715 (20092124)
503021.98 3632675.90 206.30505 (20082723) 503721.98
3632675.90 215.10574 (21020203)
503821.98 3632675.90 216.79773 (20082921) 503921.98
3632675.90 173.02056 (20082921)
504021.98 3632675.90 151.69730 (19032124) 504121.98
3632675.90 158.63932 (21013120)
504221.98 3632675.90 146.85678 (21011302) 504321.98
3632675.90 156.80763 (21022205)
504421.98 3632675.90 153.39623 (21011620) 504521.98
3632675.90 157.09895 (21013021)
504621.98 3632675.90 152.30660 (21120723) 504721.98
3632675.90 147.80180 (20101423)
504821.98 3632675.90 147.60591 (21011323) 504921.98

```
3632675.90      144.66947  (21010102)
        505021.98   3632675.90      137.69774  (19022705)                505121.98
3632675.90      136.09346  (21021820)
        505221.98   3632675.90      132.70709  (21011520)                505321.98
3632675.90      126.88843  (21010522)
        505421.98   3632675.90      123.49684  (20122923)                505521.98
3632675.90      118.13038  (20100121)
        505621.98   3632675.90      115.03332  (19120104)                505721.98
3632675.90      110.52457  (20021702)
        502421.98   3632775.90      131.65549  (20082303)                502521.98
3632775.90      182.64108  (21031822)
        502621.98   3632775.90      182.47866  (21031822)                502721.98
3632775.90      124.82789  (20121603)
        502821.98   3632775.90      207.92710  (20092124)                502921.98
3632775.90      236.55531  (20090205)
        503021.98   3632775.90      226.38000  (20090205)                503121.98
3632775.90      225.79307  (20111701)
        503221.98   3632775.90      233.11966  (20111701)                503621.98
3632775.90      254.55752  (20050102)
        503721.98   3632775.90      229.57017  (21020203)                503821.98
3632775.90      215.45041  (20082921)
        503921.98   3632775.90      183.67347  (20082921)                504021.98
3632775.90      166.34920  (19032124)
        504121.98   3632775.90      171.27912  (21013120)                504221.98
3632775.90      159.64709  (19102905)
        504321.98   3632775.90      166.44904  (19121107)                504421.98
3632775.90      168.05305  (21011620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1101
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                 L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                 L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
504521.98	3632775.90	157.96328	(21013021)	504621.98	3632775.90	155.73517	(21120723)
504721.98	3632775.90	151.67353	(20112022)	504821.98	3632775.90	150.94906	(20031721)
504921.98	3632775.90	148.37788	(20011902)	505021.98	3632775.90	148.37719	(21021820)
505121.98	3632775.90	145.08555	(21011520)	505221.98	3632775.90	137.83005	(21010522)
505321.98	3632775.90	132.84150	(20122923)	505421.98	3632775.90	126.43875	(20100121)
505521.98	3632775.90	122.98950	(19120104)	505621.98	3632775.90	119.02366	(20021702)
505721.98	3632775.90	117.75059	(20020804)	501721.98	3632875.90	48.68227	(21011719)
501821.98	3632875.90	50.58550	(21011719)	501921.98	3632875.90	51.69079	(21011719)
502021.98	3632875.90	51.84001	(21011719)	502121.98	3632875.90	51.85501	(21011719)
502221.98	3632875.90	51.30806	(21011719)	502321.98	3632875.90	58.98072	(21030103)
502421.98	3632875.90	76.99408	(21030103)	502521.98	3632875.90	92.21966	(21030103)
502621.98	3632875.90	100.00304	(21030103)	502721.98	3632875.90	117.15193	(20121603)
502821.98	3632875.90	169.78326	(20121603)	502921.98	3632875.90	207.44386	(20090205)
503021.98	3632875.90	165.97910	(20090205)	503121.98	3632875.90	189.38250	(20090723)
503221.98	3632875.90	236.67830	(20111701)	503321.98	3632875.90	275.74483	(19081924)
503421.98	3632875.90	280.91278	(19110606)	503621.98	3632875.90	264.84394	(20050102)
503721.98	3632875.90	236.95754	(21020203)	503821.98	3632875.90	220.07649	(20082921)
503921.98	3632875.90	168.25355	(20081802)	504021.98	3632875.90	177.41948	(20022622)
504121.98	3632875.90	179.08142	(21013120)	504221.98	3632875.90	176.39493	(19102905)
504321.98	3632875.90	180.60085	(20022403)	504421.98	3632875.90	175.00530	(21013021)
504521.98	3632875.90	170.27901	(21120723)	504621.98	3632875.90	166.73579	(20101423)
504721.98	3632875.90	167.58717	(21011323)	504821.98	3632875.90	162.28370	(20011902)

```
        504921.98   3632875.90      158.61777  (19022705)                505021.98
3632875.90      154.85894  (21011520)
        505121.98   3632875.90      148.33926  (21010522)                505221.98
3632875.90      142.79357  (20122923)
        505321.98   3632875.90      135.33019  (20100121)                505421.98
3632875.90      131.86931  (19120104)
        505521.98   3632875.90      128.74626  (20021702)                505621.98
3632875.90      124.87033  (20020804)
        505721.98   3632875.90      119.27441  (21012402)                501721.98
3632975.90       53.11657  (21111004)
        501821.98   3632975.90       51.16988  (21111004)                501921.98
3632975.90       49.21214  (19010119)
        502021.98   3632975.90       50.52582  (19010119)                502121.98
3632975.90       49.95403  (19010119)
        505321.98   3632975.90      141.72536  (19120104)                505421.98
3632975.90      138.93838  (20021702)
        505521.98   3632975.90      131.84606  (20020804)                505621.98
3632975.90      127.49354  (21012402)
        505721.98   3632975.90      121.66920  (20022406)                501721.98
3633075.90       57.19969  (21111004)
        501821.98   3633075.90       57.69414  (21111004)                501921.98
3633075.90       56.29248  (21111004)
        502021.98   3633075.90       52.86453  (21111004)                502121.98
3633075.90       52.45589  (19010119)
        505321.98   3633075.90      149.86728  (20021702)                505421.98
3633075.90      139.51145  (21010922)
        505521.98   3633075.90      134.28935  (21012402)                505621.98
3633075.90      130.85602  (20022406)
        505721.98   3633075.90      121.12122  (21121121)                501721.98
3633175.90       57.48972  (21111004)
        501821.98   3633175.90       61.11507  (21111004)                501921.98
3633175.90       62.81409  (21111004)
        502021.98   3633175.90       62.29827  (21111004)                502121.98
3633175.90       59.12854  (21111004)
        505321.98   3633175.90      150.73318  (21010922)                505421.98
3633175.90      144.19620  (20121620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
```

L0000313 , L0000314 , L0000315 , L0000316 , L0000317
, L0000318 , L0000319 , L0000910 ,
L0000911 , L0000912 , L0000913 , L0000914 , L0000915
, L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633175.90	136.82588	(20022406)	505621.98	3633175.90	135.26045	(21011418)
505721.98	3633175.90	124.76975	(21011418)	501721.98	3633275.90	53.12484	(21111004)
501821.98	3633275.90	59.73833	(21111004)	501921.98	3633275.90	65.01618	(21111004)
502021.98	3633275.90	68.38932	(21111004)	502121.98	3633275.90	68.95462	(21111004)
505321.98	3633275.90	154.76373	(20022406)	505421.98	3633275.90	146.06872	(19010903)
505521.98	3633275.90	143.61928	(21011418)	505621.98	3633275.90	139.21025	(21011418)
505721.98	3633275.90	126.23822	(20021024)	501721.98	3633375.90	44.61008	(21111004)
501821.98	3633375.90	52.94726	(21111004)	501921.98	3633375.90	61.11625	(21111004)
502021.98	3633375.90	68.38844	(21111004)	502121.98	3633375.90	73.82244	(21111004)
505321.98	3633375.90	157.04836	(21121121)	505421.98	3633375.90	148.12982	(21021801)
505521.98	3633375.90	141.02546	(21011022)	505621.98	3633375.90	137.84847	(21122302)
505721.98	3633375.90	130.90113	(21011724)	501721.98	3633475.90	57.00941	(21012320)
501821.98	3633475.90	51.70665	(21012320)	501921.98	3633475.90	51.78970	(21111004)
502021.98	3633475.90	61.71156	(21111004)	502121.98	3633475.90	71.06855	(21111004)
505321.98	3633475.90	158.71476	(21011022)	505421.98	3633475.90	151.71515	(21122302)
505521.98	3633475.90	144.71215	(21011724)	505621.98	3633475.90	139.72445	(21010408)
505721.98	3633475.90	132.87067	(21011720)	501721.98	3633575.90	75.69522	(21012320)
501821.98	3633575.90	72.61045	(21012320)	501921.98			

```
3633575.90       67.81585  (21012320)
        502021.98   3633575.90       61.55815  (21012320)                502121.98
3633575.90       61.10446  (21111004)
        505321.98   3633575.90      162.62089  (21122302)                505421.98
3633575.90      155.96836  (21010408)
        505521.98   3633575.90      145.73341  (21011720)                505621.98
3633575.90      140.52816  (20121406)
        505721.98   3633575.90      133.24428  (20021305)                501721.98
3633675.90       88.48080  (21012320)
        501821.98   3633675.90       89.79127  (21012320)                501921.98
3633675.90       89.39848  (21012320)
        502021.98   3633675.90       86.81010  (21012320)                502121.98
3633675.90       82.44010  (21012320)
        505321.98   3633675.90      163.38072  (21011221)                505421.98
3633675.90      156.21044  (20121406)
        505521.98   3633675.90      145.13193  (20021723)                505621.98
3633675.90      140.52352  (19011606)
        505721.98   3633675.90      148.45850  (20081804)                501721.98
3633775.90       89.16914  (21012320)
        501821.98   3633775.90       95.82323  (21012320)                501921.98
3633775.90      101.30933  (21012320)
        502021.98   3633775.90      105.00254  (21012320)                502121.98
3633775.90      106.17111  (21012320)
        505321.98   3633775.90      165.17458  (20021723)                505421.98
3633775.90      156.88825  (19011606)
        505521.98   3633775.90      147.27121  (19121305)                505621.98
3633775.90      144.80258  (19121305)
        505721.98   3633775.90      147.98674  (20082223)                501721.98
3633875.90       76.28724  (21012320)
        501821.98   3633875.90       86.59714  (21012320)                501921.98
3633875.90       96.16699  (21012320)
        502021.98   3633875.90      106.69246  (21012320)                502121.98
3633875.90      115.49614  (21012320)
        505321.98   3633875.90      168.98534  (19121305)                505421.98
3633875.90      157.08936  (20082223)
        505521.98   3633875.90      146.13275  (19011923)                505621.98
3633875.90      138.63837  (19012803)
        505721.98   3633875.90      139.11681  (20092021)                501721.98
3633975.90       69.59102  (19083104)
        501821.98   3633975.90       70.13459  (19083104)                501921.98
3633975.90       76.55800  (21012320)
        502021.98   3633975.90       89.06518  (21012320)                502121.98
3633975.90      102.88404  (21012320)
        505321.98   3633975.90      162.52066  (21121821)                505421.98
3633975.90      153.73712  (20121224)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       13:54:44
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
505521.98	3633975.90	145.27498	(20121224)	505621.98	3633975.90	139.68772	(20020703)
505721.98	3633975.90	135.94611	(20020703)	501721.98	3634075.90	80.33499	(19083104)
501821.98	3634075.90	84.02260	(19083104)	501921.98	3634075.90	87.44268	(19083104)
502021.98	3634075.90	90.44893	(19083104)	502121.98	3634075.90	92.91509	(19083104)
505321.98	3634075.90	152.80416	(21122121)	505421.98	3634075.90	151.97748	(21122121)
505521.98	3634075.90	151.35137	(21122121)	505621.98	3634075.90	148.31915	(21122121)
505721.98	3634075.90	138.90742	(20121803)	501721.98	3634175.90	77.66882	(19083104)
501821.98	3634175.90	83.87289	(19083104)	501921.98	3634175.90	90.19681	(19083104)
502021.98	3634175.90	96.02119	(19083104)	502121.98	3634175.90	103.08893	(19083104)
505321.98	3634175.90	170.78138	(20080321)	505421.98	3634175.90	171.58737	(20080321)
505521.98	3634175.90	169.05679	(20080321)	505621.98	3634175.90	148.41543	(20080321)
505721.98	3634175.90	130.53079	(19021906)	501721.98	3634275.90	63.12075	(19083104)
501821.98	3634275.90	69.03950	(19083104)	501921.98	3634275.90	75.63049	(19083104)

```
        502021.98   3634275.90       82.88569  (19083104)              502121.98
3634275.90       91.11437  (19083104)
        505321.98   3634275.90      188.34822  (19031020)              505421.98
3634275.90      181.87834  (19031020)
        505521.98   3634275.90      152.10044  (19031020)              505621.98
3634275.90      138.14202  (19031020)
        505721.98   3634275.90      123.81940  (20092120)              501721.98
3634375.90       70.73846  (21021102)
        501821.98   3634375.90       75.18181  (21021102)              501921.98
3634375.90       79.39394  (21021102)
        502021.98   3634375.90       84.32756  (21021102)              502121.98
3634375.90       90.34593  (21021102)
        505321.98   3634375.90      202.64379  (20092120)              505421.98
3634375.90      190.45694  (20092120)
        505521.98   3634375.90      146.20975  (20082306)              505621.98
3634375.90      133.64294  (21021007)
        505721.98   3634375.90      127.37935  (21021007)              501721.98
3634475.90       93.50717  (21021102)
        501821.98   3634475.90       99.82358  (21021102)              501921.98
3634475.90      106.58462  (21021102)
        502021.98   3634475.90      114.39214  (21021102)              502121.98
3634475.90      122.29277  (21021102)
        505321.98   3634475.90      194.98553  (20082306)              505421.98
3634475.90      207.52234  (20082306)
        505521.98   3634475.90      174.66351  (20082306)              505621.98
3634475.90      147.00097  (20082306)
        505721.98   3634475.90      122.12904  (20082306)              501721.98
3634575.90       98.39560  (21021102)
        501821.98   3634575.90      103.76317  (21021102)              501921.98
3634575.90      109.61468  (21021102)
        502021.98   3634575.90      116.20475  (21021102)              502121.98
3634575.90      123.36595  (21021102)
        505321.98   3634575.90      207.01161  (20041201)              505421.98
3634575.90      230.80156  (20041201)
        505521.98   3634575.90      212.75810  (20041201)              505621.98
3634575.90      169.24536  (20041201)
        505721.98   3634575.90      133.00480  (20041201)              501721.98
3634675.90       82.41396  (21021102)
        501821.98   3634675.90       85.22090  (21021102)              501921.98
3634675.90       87.80481  (21021102)
        502021.98   3634675.90       90.55084  (21021102)              502121.98
3634675.90       93.36587  (19101801)
        505321.98   3634675.90      192.52247  (20081806)              505421.98
3634675.90      213.82343  (20041201)
        505521.98   3634675.90      211.00389  (20041201)              505621.98
3634675.90      199.55664  (20041201)
        505721.98   3634675.90      167.80112  (20041201)              501721.98
3634775.90       73.14655  (19050903)
        501821.98   3634775.90       81.95491  (19050903)              501921.98
3634775.90       90.94061  (19050903)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000310   , L0000311   , L0000312   ,
                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317
, L0000318   , L0000319   , L0000910   ,
                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915
, L0000916   , L0000917   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        505521.98   3634775.90   204.93657 (20081806)   505621.98
3634775.90   199.63171 (20081806)
        505721.98   3634775.90   184.94722 (20081806)   501721.98
3634875.90   87.71240 (19050903)
        501821.98   3634875.90   94.76676 (19050903)   501921.98
3634875.90   101.27624 (19050903)
        502021.98   3634875.90   107.09231 (19050903)   502121.98
3634875.90   111.92371 (19050903)
        505321.98   3634875.90   197.99359 (19022319)   505421.98
3634875.90   210.70615 (20081401)
        505521.98   3634875.90   195.22483 (21012820)   505621.98
3634875.90   185.28681 (21032601)
        505721.98   3634875.90   183.75170 (21032601)   501721.98
3634975.90   86.47804 (19050903)
        501821.98   3634975.90   88.63894 (19050903)   501921.98
3634975.90   89.22552 (19050903)
        502021.98   3634975.90   88.61737 (19050903)   502121.98

```
3634975.90       86.65926  (19050903)
        505321.98   3634975.90      201.40491  (19030607)                505421.98
3634975.90      214.75821  (20081401)
        505521.98   3634975.90      215.20188  (20081401)                505621.98
3634975.90      203.55782  (20081401)
        505721.98   3634975.90      188.66481  (20081401)                501721.98
3635075.90      104.42149  (21121021)
        501821.98   3635075.90       76.58909  (21121021)                501921.98
3635075.90      189.29779  (19110921)
        502021.98   3635075.90      187.81281  (19110921)                502121.98
3635075.90       77.77422  (19022707)
        505321.98   3635075.90      189.76835  (20121617)                505421.98
3635075.90      181.37271  (19022007)
        505521.98   3635075.90      184.80305  (19042006)                505621.98
3635075.90      178.30255  (19042006)
        505721.98   3635075.90      182.07032  (20081401)                501721.98
3635175.90      171.31319  (19110921)
        501821.98   3635175.90      167.40023  (19100422)                501921.98
3635175.90      212.69446  (21112918)
        502021.98   3635175.90      199.72905  (19120120)                502121.98
3635175.90      123.46975  (19120120)
        505321.98   3635175.90      180.47894  (20010802)                505421.98
3635175.90      178.03159  (20010802)
        505521.98   3635175.90      166.76030  (19022007)                505621.98
3635175.90      155.47493  (19022007)
        505721.98   3635175.90      150.03055  (19042006)                501721.98
3635275.90      187.25444  (19120120)
        501821.98   3635275.90      197.98662  (21040701)                501921.98
3635275.90      218.43643  (20021924)
        502021.98   3635275.90      231.90270  (19012720)                502121.98
3635275.90      212.97546  (21011719)
        505621.98   3635275.90      153.07683  (20010802)                505721.98
3635275.90      145.16093  (19022007)
        501721.98   3635375.90      176.70096  (20021924)                501821.98
3635375.90      201.79523  (19012720)
        501921.98   3635375.90      202.55541  (19012720)                502021.98
3635375.90      205.46845  (21011719)
        502121.98   3635375.90      219.50390  (21011719)                505621.98
3635375.90      111.81453  (20092620)
        501721.98   3635475.90      150.92313  (21011719)                501821.98
3635475.90      176.29410  (21011719)
        501921.98   3635475.90      191.95331  (19111006)                502021.98
3635475.90      199.00627  (19111006)
        502121.98   3635475.90      214.24362  (21052423)                505621.98
3635475.90       79.90190  (21071520)
        505721.98   3635475.90       69.24743  (21071520)                501721.98
3635575.90      162.83146  (21011719)
        501821.98   3635575.90      156.51604  (21011719)                501921.98
3635575.90      176.09931  (21052423)
        502021.98   3635575.90      195.56074  (21052423)                502121.98
```

3635575.90   203.48427 (19013101)
        505321.98   3635575.90   169.59536 (19102623)   505421.98
3635575.90   97.24193 (21012617)
        505521.98   3635575.90   86.58342 (21071520)   505621.98
3635575.90   80.24253 (21071520)
        505721.98   3635575.90   72.35302 (21071520)   501721.98
3635675.90   152.08460 (19120317)
        501821.98   3635675.90   150.65595 (19013101)   501921.98
3635675.90   183.58096 (19013101)
        502021.98   3635675.90   194.55582 (19013101)   502121.98
3635675.90   201.75212 (20122320)
        505321.98   3635675.90   170.88290 (19102623)   505421.98
3635675.90   104.86755 (21012617)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000310   , L0000311   , L0000312   ,
                                  L0000313   , L0000314   , L0000315   , L0000316   , L0000317 , L0000318   , L0000319   , L0000910   ,
                                  L0000911   , L0000912   , L0000913   , L0000914   , L0000915 , L0000916   , L0000917   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        505321.98   3635775.90      142.82012  (19102623)              505421.98
3635775.90      166.75517  (19102623)
        505521.98   3635775.90      159.00477  (19102623)              505621.98
3635775.90      124.36788  (19102623)
        505721.98   3635775.90      104.25032  (19010822)              501721.98
3635875.90      159.91374  (19013101)
        501821.98   3635875.90      164.57348  (20122320)              501921.98
3635875.90      187.42858  (20122320)
        502021.98   3635875.90      195.01181  (21012023)              502121.98
3635875.90      189.83651  (21012023)
        505321.98   3635875.90      162.69271  (20091421)              505421.98
3635875.90      130.84018  (21012617)
        505521.98   3635875.90      149.23272  (19102623)              505621.98
3635875.90      149.43078  (19102623)
        505721.98   3635875.90      137.30380  (19102623)              501721.98
3635975.90      149.92161  (20122320)
        501821.98   3635975.90      168.98383  (20122320)              501921.98
3635975.90      183.86632  (21012023)
        502021.98   3635975.90      168.55055  (21012023)              502121.98
3635975.90      191.60935  (20122721)
        505321.98   3635975.90      171.21942  (21122618)              505421.98
3635975.90      133.54473  (20091421)
        505521.98   3635975.90      122.33727  (21012617)              505621.98
3635975.90      136.43244  (19102623)
        505721.98   3635975.90      137.36327  (19102623)              501721.98
3636075.90      144.23117  (21012023)
        501821.98   3636075.90      163.64900  (21012023)              501921.98
3636075.90      146.01991  (21012023)
        502021.98   3636075.90      180.80046  (20122721)              502121.98
3636075.90      183.11356  (20122721)
        502221.98   3636075.90      174.70920  (19031105)              502321.98
3636075.90      157.65412  (21121424)
        502421.98   3636075.90      202.48296  (21121424)              502521.98
3636075.90      191.84934  (21121424)
        502621.98   3636075.90      202.58664  (19112801)              502721.98
3636075.90      227.80589  (19121706)
        502821.98   3636075.90      177.85103  (20040204)              502921.98
3636075.90      195.77803  (21021621)
        503021.98   3636075.90      208.48322  (21021621)              503121.98
3636075.90      222.15351  (19050823)
        503221.98   3636075.90      231.19016  (21100603)              503321.98
3636075.90      237.76000  (20120224)
        503421.98   3636075.90      248.48356  (19072124)              503521.98
3636075.90      234.69124  (21021806)
        503621.98   3636075.90      213.69961  (19080922)              503721.98
3636075.90      256.51732  (21041324)
        503821.98   3636075.90      232.91034  (19072223)              503921.98
3636075.90      241.83028  (19072224)
        504021.98   3636075.90      241.72918  (19122420)              504121.98
3636075.90      199.56262  (19050321)
```

```
        504221.98   3636075.90      208.49324  (19050322)                504321.98
3636075.90      238.25090  (21013118)
        504421.98   3636075.90      211.56655  (21013118)                504521.98
3636075.90      179.71074  (21080821)
        504621.98   3636075.90      174.28009  (20102221)                504721.98
3636075.90      186.43456  (19022602)
        504821.98   3636075.90      206.84011  (21121422)                504921.98
3636075.90      150.77166  (21061321)
        505021.98   3636075.90      141.27948  (21090701)                505121.98
3636075.90      162.45279  (21090701)
        505221.98   3636075.90      146.00745  (21081602)                505321.98
3636075.90      165.35620  (21122618)
        505421.98   3636075.90      146.30613  (21122618)                505521.98
3636075.90      129.10703  (20091421)
        505621.98   3636075.90      116.63889  (21012617)                505721.98
3636075.90      119.62103  (19102623)
        501721.98   3636175.90      138.37375  (21012023)                501821.98
3636175.90      129.08891  (20031920)
        501921.98   3636175.90      168.99035  (20122721)                502021.98
3636175.90      167.71235  (20122721)
        502121.98   3636175.90      160.79742  (19031105)                502221.98
3636175.90      156.78521  (20112322)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1106
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                  L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                  L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        502321.98   3636175.90      191.53790  (21121424)                502421.98
3636175.90      186.64291  (21121424)
        502521.98   3636175.90      184.88649  (19112801)                502621.98
3636175.90      210.23360  (19121706)
        502721.98   3636175.90      192.37840  (19121706)                502821.98
3636175.90      184.20399  (21100523)
        502921.98   3636175.90      201.50504  (21021621)                503021.98
3636175.90      198.12833  (21112718)
        503121.98   3636175.90      205.99089  (19050823)                503221.98
3636175.90      220.03047  (21100603)
        503321.98   3636175.90      238.42242  (20120224)                503421.98
3636175.90      232.23943  (19072124)
        503521.98   3636175.90      220.72278  (19051001)                503621.98
3636175.90      204.64854  (19051020)
        503721.98   3636175.90      239.42783  (21041324)                503821.98
3636175.90      222.28169  (19072223)
        503921.98   3636175.90      227.34005  (19072224)                504021.98
3636175.90      235.98356  (19072224)
        504121.98   3636175.90      199.13550  (19070422)                504221.98
3636175.90      204.03189  (19050322)
        504321.98   3636175.90      194.27536  (19073022)                504421.98
3636175.90      182.49436  (21013118)
        504521.98   3636175.90      149.89374  (19111019)                504621.98
3636175.90      156.45732  (20102221)
        504721.98   3636175.90      158.59329  (19060920)                504821.98
3636175.90      155.22244  (19112903)
        504921.98   3636175.90      164.34764  (21121422)                505021.98
3636175.90      153.55864  (21061321)
        505121.98   3636175.90      138.63470  (21090701)                505221.98
3636175.90      155.18301  (21090701)
        505321.98   3636175.90      148.26888  (21081602)                505421.98
3636175.90      162.72490  (21122618)
        505521.98   3636175.90      148.53406  (21122618)                505621.98
3636175.90      125.59587  (20091421)
        505721.98   3636175.90      110.48979  (21012617)                501721.98
3636275.90      119.35356  (20122721)
        501821.98   3636275.90      152.65107  (20122721)                501921.98
3636275.90      152.74635  (20122721)
        502021.98   3636275.90      149.37592  (19031105)                502121.98
3636275.90      148.46572  (20112322)
        502221.98   3636275.90      176.37243  (21121424)                502321.98
3636275.90      183.23524  (21121424)
        502421.98   3636275.90      167.20461  (19112801)                502521.98
3636275.90      186.62785  (19121706)
        502621.98   3636275.90      197.00783  (19121706)                502721.98
3636275.90      169.80564  (21100523)
        502821.98   3636275.90      176.20241  (21021621)                502921.98
3636275.90      184.12349  (21021621)
        503021.98   3636275.90      191.14426  (19050823)                503121.98
```

```
3636275.90      189.05257  (19050823)
        503221.98   3636275.90      194.07838  (21100603)                503321.98
3636275.90      210.97026  (20120224)
        503421.98   3636275.90      204.68139  (19072124)                503521.98
3636275.90      209.22386  (19051001)
        503621.98   3636275.90      198.99342  (19051020)                503721.98
3636275.90      219.97256  (21041324)
        503821.98   3636275.90      208.27988  (19072223)                503921.98
3636275.90      208.37183  (19072224)
        504021.98   3636275.90      228.95768  (19072224)                504121.98
3636275.90      185.33466  (19082323)
        504221.98   3636275.90      182.21856  (19082724)                504321.98
3636275.90      138.89184  (20031720)
        504421.98   3636275.90      147.23059  (21013118)                504521.98
3636275.90      117.62071  (19071722)
        504621.98   3636275.90      121.67173  (20050923)                504721.98
3636275.90      145.77601  (19060406)
        504821.98   3636275.90      130.22188  (19110518)                504921.98
3636275.90      150.29275  (19112903)
        505021.98   3636275.90      158.54392  (21121422)                505121.98
3636275.90      135.67691  (21061321)
        505221.98   3636275.90      137.99813  (21090701)                505321.98
3636275.90      155.34884  (21090701)
        505421.98   3636275.90      145.97603  (21081602)                505521.98
3636275.90      151.94347  (21122618)
        505621.98   3636275.90      145.85045  (21122618)                505721.98
3636275.90      124.90450  (20091421)
        501721.98   3636375.90      138.54142  (20122721)                501821.98
3636375.90      136.47235  (20122721)
        501921.98   3636375.90      137.59860  (19031105)                502021.98
3636375.90      139.76790  (20112322)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        13:54:44

                                PAGE  1107
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000310    , L0000311    , L0000312    ,
                 L0000313    , L0000314    , L0000315    , L0000316    , L0000317
, L0000318    , L0000319    , L0000910    ,
                 L0000911    , L0000912    , L0000913    , L0000914    , L0000915
, L0000916    , L0000917    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
502121.98	3636375.90	158.59517	(21121424)	502221.98	3636375.90	176.16507	(21121424)
502321.98	3636375.90	152.13548	(19112801)	502421.98	3636375.90	174.16125	(19112801)
502521.98	3636375.90	191.88524	(19121706)	502621.98	3636375.90	154.14478	(20040204)
502721.98	3636375.90	165.15226	(21100523)	502821.98	3636375.90	179.01758	(21021621)
502921.98	3636375.90	175.33354	(21112718)	503021.98	3636375.90	188.48717	(19050823)
503121.98	3636375.90	186.77286	(21100603)	503221.98	3636375.90	169.62065	(19080122)
503321.98	3636375.90	173.96126	(20120224)	503421.98	3636375.90	182.62749	(20052321)
503521.98	3636375.90	193.27700	(19051001)	503621.98	3636375.90	188.81023	(19051020)
503721.98	3636375.90	201.56789	(19072223)	503821.98	3636375.90	194.10640	(19072223)
503921.98	3636375.90	191.03456	(21050323)	504021.98	3636375.90	216.67841	(19072224)
504121.98	3636375.90	166.01871	(19082323)	504221.98	3636375.90	150.79613	(19082724)
504321.98	3636375.90	124.82648	(21071621)	504421.98	3636375.90	134.35133	(21013118)
504521.98	3636375.90	121.02443	(21013118)	504621.98	3636375.90	109.92019	(19111019)
504721.98	3636375.90	117.24121	(20102221)	504821.98	3636375.90	114.30306	(19060406)
504921.98	3636375.90	105.82351	(19081721)	505021.98	3636375.90	141.16526	(21050522)
505121.98	3636375.90	136.68393	(21121422)	505221.98	3636375.90	133.60613	(21061321)
505321.98	3636375.90	140.21818	(21090701)	505421.98	3636375.90	147.39842	(21090701)
505521.98	3636375.90	137.22409	(21081602)	505621.98	3636375.90	147.21556	(21122618)
505721.98	3636375.90	141.86109	(21122618)	501721.98	3636475.90	116.76493	(20122721)
501821.98	3636475.90	122.28150	(21101802)	501921.98	3636475.90	130.01650	(20112322)

```
        502021.98   3636475.90      138.80644  (19122519)                502121.98
3636475.90      162.58426  (21121424)
        502221.98   3636475.90      141.08643  (21021521)                502321.98
3636475.90      165.77315  (19112801)
        502421.98   3636475.90      179.42569  (19121706)                502521.98
3636475.90      162.90270  (19121706)
        502621.98   3636475.90      154.27138  (21100523)                502721.98
3636475.90      159.36619  (21021621)
        502821.98   3636475.90      160.60446  (21021621)                502921.98
3636475.90      158.64063  (19050823)
        503021.98   3636475.90      169.43129  (19050823)                503121.98
3636475.90      170.95110  (21100603)
        503221.98   3636475.90      147.71216  (20120224)                503321.98
3636475.90      160.41290  (19072124)
        503421.98   3636475.90      163.53757  (20071122)                503521.98
3636475.90      174.26578  (19051001)
        503621.98   3636475.90      176.04038  (19051020)                503721.98
3636475.90      187.24771  (19072223)
        503821.98   3636475.90      173.31354  (19082801)                503921.98
3636475.90      173.03118  (21050323)
        504021.98   3636475.90      169.04870  (19072224)                504121.98
3636475.90      138.81972  (19081023)
        504221.98   3636475.90      137.45388  (19082724)                504321.98
3636475.90      120.13549  (19050322)
        504421.98   3636475.90      114.22274  (21052004)                504521.98
3636475.90      128.40819  (21013118)
        504621.98   3636475.90      105.68717  (19071722)                504721.98
3636475.90       99.72551  (19070220)
        504821.98   3636475.90       97.09367  (20102221)                504921.98
3636475.90      105.24802  (19060406)
        505021.98   3636475.90      133.13250  (19112903)                505121.98
3636475.90      149.20113  (21121422)
        505221.98   3636475.90      124.59039  (21061321)                505321.98
3636475.90      122.74319  (21061321)
        505421.98   3636475.90      135.30509  (21090701)                505521.98
3636475.90      138.21692  (21090701)
        505621.98   3636475.90      129.98475  (21081602)                505721.98
3636475.90      139.69045  (21122618)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                          *** THE SUMMARY OF MAXIMUM PERIOD ( 26304
HRS) RESULTS ***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ENTER	1ST HIGHEST VALUE IS	50.49096 AT	(504071.98, 3634225.90, 111.70, 363.34, 0.00)	DC	
	2ND HIGHEST VALUE IS	47.70036 AT	(503971.98, 3634175.90, 111.56, 363.34, 0.00)	DC	
	3RD HIGHEST VALUE IS	41.67066 AT	(504021.98, 3634175.90, 111.49, 363.34, 0.00)	DC	
	4TH HIGHEST VALUE IS	40.79056 AT	(504121.98, 3634275.90, 111.85, 363.34, 0.00)	DC	
	5TH HIGHEST VALUE IS	35.31146 AT	(504121.98, 3634225.90, 112.70, 363.34, 0.00)	DC	
	6TH HIGHEST VALUE IS	34.09293 AT	(504071.98, 3634175.90, 112.41, 363.34, 0.00)	DC	
	7TH HIGHEST VALUE IS	28.36739 AT	(503971.98, 3634125.90, 111.45, 363.34, 0.00)	DC	
	8TH HIGHEST VALUE IS	27.98274 AT	(503921.98, 3634125.90, 110.91, 363.34, 0.00)	DC	
	9TH HIGHEST VALUE IS	27.55591 AT	(504171.98, 3634275.90, 112.23, 363.34, 0.00)	DC	
	10TH HIGHEST VALUE IS	27.20624 AT	(504121.98, 3634175.90, 113.96, 363.34, 0.00)	DC	
FIRE	1ST HIGHEST VALUE IS	3.26685 AT	(503821.98, 3634775.90, 107.48, 336.50, 0.00)	DC	
	2ND HIGHEST VALUE IS	3.15065 AT	(503771.98, 3634775.90, 109.72, 334.85, 0.00)	DC	
	3RD HIGHEST VALUE IS	2.91259 AT	(503821.98, 3634825.90, 111.37, 334.15, 0.00)	DC	
	4TH HIGHEST VALUE IS	2.88553 AT	(503871.98, 3634825.90, 111.54, 334.44, 0.00)	DC	
	5TH HIGHEST VALUE IS	2.84831 AT	(503921.98, 3634825.90, 111.42, 336.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	2.83744 AT	(503721.98, 3634775.90, 110.62, 333.64, 0.00)	DC	
	7TH HIGHEST VALUE IS	2.79513 AT	(503771.98, 3634825.90, 111.29, 318.87, 0.00)	DC	
	8TH HIGHEST VALUE IS	2.59421 AT	(504121.98, 3634275.90, 111.85, 363.34, 0.00)	DC	
	9TH HIGHEST VALUE IS	2.57446 AT	(503821.98, 3634875.90, 113.03, 318.87, 0.00)	DC	
	10TH HIGHEST VALUE IS	2.56016 AT	(503721.98, 3634825.90, 111.48,		

```
  318.87,    0.00)  DC

FORKN     1ST HIGHEST VALUE IS      21.71637 AT (  503821.98,  3634775.90,   107.48,
  336.50,    0.00)  DC
          2ND HIGHEST VALUE IS      21.68930 AT (  503771.98,  3634775.90,   109.72,
  334.85,    0.00)  DC
          3RD HIGHEST VALUE IS      20.37151 AT (  503721.98,  3634775.90,   110.62,
  333.64,    0.00)  DC
          4TH HIGHEST VALUE IS      20.35997 AT (  503621.98,  3634725.90,   107.45,
  334.15,    0.00)  DC
          5TH HIGHEST VALUE IS      18.19086 AT (  503671.98,  3634775.90,   110.91,
  318.87,    0.00)  DC
          6TH HIGHEST VALUE IS      16.19277 AT (  503571.98,  3634725.90,   109.18,
  318.87,    0.00)  DC
          7TH HIGHEST VALUE IS      15.67183 AT (  503621.98,  3634775.90,   110.38,
  318.87,    0.00)  DC
          8TH HIGHEST VALUE IS      15.53908 AT (  503821.98,  3634825.90,   111.37,
  334.15,    0.00)  DC
          9TH HIGHEST VALUE IS      15.52711 AT (  503771.98,  3634825.90,   111.29,
  318.87,    0.00)  DC
         10TH HIGHEST VALUE IS      14.96702 AT (  503521.98,  3634675.90,   107.59,
  318.87,    0.00)  DC

FORKS     1ST HIGHEST VALUE IS      18.90209 AT (  503971.98,  3634175.90,   111.56,
  363.34,    0.00)  DC
          2ND HIGHEST VALUE IS      17.39673 AT (  504071.98,  3634225.90,   111.70,
  363.34,    0.00)  DC
          3RD HIGHEST VALUE IS      16.65121 AT (  504021.98,  3634175.90,   111.49,
  363.34,    0.00)  DC
          4TH HIGHEST VALUE IS      15.66416 AT (  503921.98,  3634125.90,   110.91,
  363.34,    0.00)  DC
          5TH HIGHEST VALUE IS      15.18130 AT (  504121.98,  3634275.90,   111.85,
  363.34,    0.00)  DC
          6TH HIGHEST VALUE IS      14.44570 AT (  504071.98,  3634175.90,   112.41,
  363.34,    0.00)  DC
          7TH HIGHEST VALUE IS      14.29047 AT (  503971.98,  3634125.90,   111.45,
  363.34,    0.00)  DC
          8TH HIGHEST VALUE IS      14.11576 AT (  504121.98,  3634225.90,   112.70,
  363.34,    0.00)  DC
          9TH HIGHEST VALUE IS      12.95395 AT (  504021.98,  3634125.90,   112.35,
  363.34,    0.00)  DC
         10TH HIGHEST VALUE IS      12.67316 AT (  503871.98,  3634075.90,   111.90,
  363.34,    0.00)  DC
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data
```

*** THE SUMMARY OF MAXIMUM PERIOD (26304 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
IDLEN	1ST HIGHEST VALUE IS	19.71555 AT	(503821.98, 3634775.90, 107.48, 336.50, 0.00)	DC	
	2ND HIGHEST VALUE IS	19.62176 AT	(503771.98, 3634775.90, 109.72, 334.85, 0.00)	DC	
	3RD HIGHEST VALUE IS	18.64718 AT	(503621.98, 3634725.90, 107.45, 334.15, 0.00)	DC	
	4TH HIGHEST VALUE IS	18.47786 AT	(503721.98, 3634775.90, 110.62, 333.64, 0.00)	DC	
	5TH HIGHEST VALUE IS	16.63119 AT	(503671.98, 3634775.90, 110.91, 318.87, 0.00)	DC	
	6TH HIGHEST VALUE IS	15.09415 AT	(503571.98, 3634725.90, 109.18, 318.87, 0.00)	DC	
	7TH HIGHEST VALUE IS	14.48487 AT	(503621.98, 3634775.90, 110.38, 318.87, 0.00)	DC	
	8TH HIGHEST VALUE IS	14.35536 AT	(503821.98, 3634825.90, 111.37, 334.15, 0.00)	DC	
	9TH HIGHEST VALUE IS	14.30585 AT	(503771.98, 3634825.90, 111.29, 318.87, 0.00)	DC	
	10TH HIGHEST VALUE IS	14.16807 AT	(503521.98, 3634675.90, 107.59, 318.87, 0.00)	DC	
IDLES	1ST HIGHEST VALUE IS	17.57477 AT	(503971.98, 3634175.90, 111.56, 363.34, 0.00)	DC	
	2ND HIGHEST VALUE IS	16.65458 AT	(504071.98, 3634225.90, 111.70, 363.34, 0.00)	DC	
	3RD HIGHEST VALUE IS	15.62360 AT	(504021.98, 3634175.90, 111.49, 363.34, 0.00)	DC	
	4TH HIGHEST VALUE IS	15.01338 AT	(504121.98, 3634275.90, 111.85, 363.34, 0.00)	DC	
	5TH HIGHEST VALUE IS	14.60784 AT	(503921.98, 3634125.90, 110.91, 363.34, 0.00)	DC	
	6TH HIGHEST VALUE IS	13.71304 AT	(504121.98, 3634225.90, 112.70, 363.34, 0.00)	DC	
	7TH HIGHEST VALUE IS	13.70500 AT	(504071.98, 3634175.90, 112.41, 363.34, 0.00)	DC	

```
          8TH HIGHEST VALUE IS      13.41408 AT (  503971.98,  3634125.90,   111.45,
  363.34,    0.00)  DC
          9TH HIGHEST VALUE IS      12.22454 AT (  504021.98,  3634125.90,   112.35,
  363.34,    0.00)  DC
         10TH HIGHEST VALUE IS      12.01898 AT (  504171.98,  3634325.90,   113.36,
  363.34,    0.00)  DC

ONSITE    1ST HIGHEST VALUE IS      15.03931 AT (  503621.98,  3634725.90,   107.45,
  334.15,    0.00)  DC
          2ND HIGHEST VALUE IS      14.83007 AT (  503821.98,  3634775.90,   107.48,
  336.50,    0.00)  DC
          3RD HIGHEST VALUE IS      14.72205 AT (  503771.98,  3634775.90,   109.72,
  334.85,    0.00)  DC
          4TH HIGHEST VALUE IS      14.03949 AT (  503721.98,  3634775.90,   110.62,
  333.64,    0.00)  DC
          5TH HIGHEST VALUE IS      13.31791 AT (  503971.98,  3634175.90,   111.56,
  363.34,    0.00)  DC
          6TH HIGHEST VALUE IS      13.17276 AT (  504071.98,  3634225.90,   111.70,
  363.34,    0.00)  DC
          7TH HIGHEST VALUE IS      13.16621 AT (  504121.98,  3634275.90,   111.85,
  363.34,    0.00)  DC
          8TH HIGHEST VALUE IS      12.97706 AT (  503671.98,  3634775.90,   110.91,
  318.87,    0.00)  DC
          9TH HIGHEST VALUE IS      12.83786 AT (  503521.98,  3634675.90,   107.59,
  318.87,    0.00)  DC
         10TH HIGHEST VALUE IS      12.78782 AT (  503571.98,  3634725.90,   109.18,
  318.87,    0.00)  DC

TRUCKN    1ST HIGHEST VALUE IS      24.21533 AT (  505621.98,  3635375.90,   113.92,
  198.05,    0.00)  DC
          2ND HIGHEST VALUE IS      23.75866 AT (  505621.98,  3635275.90,   115.01,
  199.90,    0.00)  DC
          3RD HIGHEST VALUE IS      21.98655 AT (  504571.98,  3634725.90,   111.39,
  360.79,    0.00)  DC
          4TH HIGHEST VALUE IS      21.69842 AT (  504521.98,  3634675.90,   111.38,
  362.15,    0.00)  DC
          5TH HIGHEST VALUE IS      21.52397 AT (  504621.98,  3634775.90,   111.87,
  338.66,    0.00)  DC
          6TH HIGHEST VALUE IS      21.25728 AT (  504471.98,  3634625.90,   111.61,
  363.34,    0.00)  DC
          7TH HIGHEST VALUE IS      20.59828 AT (  504421.98,  3634575.90,   111.07,
  363.34,    0.00)  DC
          8TH HIGHEST VALUE IS      20.42846 AT (  504671.98,  3634825.90,   112.25,
  338.66,    0.00)  DC
          9TH HIGHEST VALUE IS      19.99594 AT (  504371.98,  3634525.90,   112.48,
  363.34,    0.00)  DC
         10TH HIGHEST VALUE IS      19.37018 AT (  504321.98,  3634475.90,   112.11,
  363.34,    0.00)  DC
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***       02/10/25
```

*** THE SUMMARY OF MAXIMUM PERIOD (26304 HRS) RESULTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
TRUCKS	1ST HIGHEST VALUE IS	59.92356 AT	(503621.98, 3633625.90, 122.97, 363.34, 0.00)	DC	
	2ND HIGHEST VALUE IS	46.41257 AT	(503621.98, 3633575.90, 126.28, 363.34, 0.00)	DC	
	3RD HIGHEST VALUE IS	45.46896 AT	(503571.98, 3633675.90, 121.17, 363.34, 0.00)	DC	
	4TH HIGHEST VALUE IS	40.56717 AT	(503621.98, 3633525.90, 126.84, 363.34, 0.00)	DC	
	5TH HIGHEST VALUE IS	40.14771 AT	(503521.98, 3633475.90, 131.92, 363.34, 0.00)	DC	
	6TH HIGHEST VALUE IS	36.74926 AT	(503521.98, 3633525.90, 127.49, 363.34, 0.00)	DC	
	7TH HIGHEST VALUE IS	35.34123 AT	(503871.98, 3634075.90, 111.90, 363.34, 0.00)	DC	
	8TH HIGHEST VALUE IS	33.65608 AT	(503671.98, 3633675.90, 125.01, 363.34, 0.00)	DC	
	9TH HIGHEST VALUE IS	31.95028 AT	(503571.98, 3633725.90, 114.82, 363.34, 0.00)	DC	
	10TH HIGHEST VALUE IS	31.69771 AT	(503921.98, 3634125.90, 110.91, 363.34, 0.00)	DC	
TRUCKW	1ST HIGHEST VALUE IS	44.11044 AT	(502421.98, 3632775.90, 113.38, 115.97, 0.00)	DC	
	2ND HIGHEST VALUE IS	41.45236 AT	(502521.98, 3632775.90, 115.06, 169.29, 0.00)	DC	
	3RD HIGHEST VALUE IS	36.29895 AT	(502621.98, 3632775.90, 114.48, 318.87, 0.00)	DC	
	4TH HIGHEST VALUE IS	29.50261 AT	(502721.98, 3632775.90, 111.49, 328.14, 0.00)	DC	
	5TH HIGHEST VALUE IS	27.76522 AT	(502921.98, 3632775.90, 125.74,		

```
  329.93,    0.00)  DC
         6TH HIGHEST VALUE IS      27.05486 AT (  503021.98,  3632675.90,   118.72,
  363.34,    0.00)  DC
         7TH HIGHEST VALUE IS      26.95227 AT (  502821.98,  3632775.90,   115.96,
  329.93,    0.00)  DC
         8TH HIGHEST VALUE IS      26.69039 AT (  502921.98,  3632675.90,   117.00,
  337.51,    0.00)  DC
         9TH HIGHEST VALUE IS      24.88778 AT (  503121.98,  3632775.90,   128.76,
  362.15,    0.00)  DC
        10TH HIGHEST VALUE IS      24.42307 AT (  502821.98,  3632675.90,   114.58,
  329.93,    0.00)  DC

ALL       1ST HIGHEST VALUE IS     150.51398 AT (  503971.98,  3634175.90,   111.56,
  363.34,    0.00)  DC
         2ND HIGHEST VALUE IS     140.82913 AT (  504071.98,  3634225.90,   111.70,
  363.34,    0.00)  DC
         3RD HIGHEST VALUE IS     129.19279 AT (  504121.98,  3634275.90,   111.85,
  363.34,    0.00)  DC
         4TH HIGHEST VALUE IS     127.23953 AT (  504021.98,  3634175.90,   111.49,
  363.34,    0.00)  DC
         5TH HIGHEST VALUE IS     122.84781 AT (  503921.98,  3634125.90,   110.91,
  363.34,    0.00)  DC
         6TH HIGHEST VALUE IS     111.16878 AT (  504121.98,  3634225.90,   112.70,
  363.34,    0.00)  DC
         7TH HIGHEST VALUE IS     109.35755 AT (  504171.98,  3634325.90,   113.36,
  363.34,    0.00)  DC
         8TH HIGHEST VALUE IS     108.08572 AT (  504071.98,  3634175.90,   112.41,
  363.34,    0.00)  DC
         9TH HIGHEST VALUE IS     107.53109 AT (  503971.98,  3634125.90,   111.45,
  363.34,    0.00)  DC
        10TH HIGHEST VALUE IS     104.46575 AT (  503871.98,  3634075.90,   111.90,
  363.34,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\SanteeOp\SanteeOp.i ***        02/10/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        13:54:44

                                PAGE  1111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                                  *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***
```

** CONC OF PM_10 IN MICROGRAMS/M**3
**

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ENTER	HIGH 1ST HIGH VALUE IS	573.40514	ON 21022105: AT (503971.98, 3634175.90, 111.56, 363.34, 0.00)	DC	
FIRE	HIGH 1ST HIGH VALUE IS	95.90344	ON 19072124: AT (503771.98, 3634775.90, 109.72, 334.85, 0.00)	DC	
FORKN	HIGH 1ST HIGH VALUE IS	315.00908	ON 21012024: AT (503771.98, 3634775.90, 109.72, 334.85, 0.00)	DC	
FORKS	HIGH 1ST HIGH VALUE IS	335.31145	ON 20082306: AT (504221.98, 3634375.90, 115.64, 363.34, 0.00)	DC	
IDLEN	HIGH 1ST HIGH VALUE IS	276.45268	ON 20121721: AT (503921.98, 3634875.90, 114.86, 318.87, 0.00)	DC	
IDLES	HIGH 1ST HIGH VALUE IS	302.30107	ON 20081603: AT (504171.98, 3634125.90, 115.88, 363.34, 0.00)	DC	
ONSITE	HIGH 1ST HIGH VALUE IS	128.77988	ON 20082306: AT (504221.98, 3634375.90, 115.64, 363.34, 0.00)	DC	
TRUCKN	HIGH 1ST HIGH VALUE IS	89.40659	ON 19102623: AT (504921.98, 3635075.90, 119.51, 336.00, 0.00)	DC	
TRUCKS	HIGH 1ST HIGH VALUE IS	245.07670	ON 20092124: AT (503521.98, 3633475.90, 131.92, 363.34, 0.00)	DC	
TRUCKW	HIGH 1ST HIGH VALUE IS	143.67580	ON 20082306: AT (502921.98, 3632775.90, 125.74, 329.93, 0.00)	DC	
ALL	HIGH 1ST HIGH VALUE IS	1098.34752	ON 20081803: AT (504171.98, 3634125.90, 115.88, 363.34, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   5244 Informational Message(s)

A Total of   26304 Hours Were Processed

A Total of   4177 Calm Hours Identified

A Total of   1067 Missing Hours Identified (4.06 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
 MX W403   1449   PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

   ****
   *** AERMOD Finishes Successfully ***
   ****

HARP2 - HRACalc (dated 22118) 2/11/2025 12:34:04 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 1.28
Total Exposure Duration: 28.72

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0.72
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 2.384186E-07

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\Users\dlarocca\Desktop\HARP2 Files\SanteeOpEMFAC T4i Final wTuckN\hra\OpT4iForkCancerCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\dlarocca\Desktop\HARP2 Files\SanteeOpEMFAC T4i Final wTuckN\hra\OpT4iForkCancerCancerRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 2/11/2025 12:34:04 PM - Cancer Risk - Input File: C:\Users\dlarocca\Desktop\HARP2 Files\SanteeOpEMFAC T4i Final wTuckN\hra\OpT4iForkCancerHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RIS	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_	EGG_RISK
1	ALL		502722	3633476	3.29E-07	28.72YrCa	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		502772	3633476	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		502822	3633476	3.55E-07	28.72YrCa	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		502872	3633476	3.69E-07	28.72YrCa	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		502922	3633476	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		502972	3633476	4.00E-07	28.72YrCa	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		503022	3633476	4.18E-07	28.72YrCa	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		503072	3633476	4.37E-07	28.72YrCa	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		503122	3633476	4.58E-07	28.72YrCa	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		503172	3633476	4.80E-07	28.72YrCa	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		503222	3633476	5.08E-07	28.72YrCa	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		503272	3633476	5.38E-07	28.72YrCa	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		503322	3633476	5.12E-07	28.72YrCa	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		503372	3633476	4.72E-07	28.72YrCa	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		503422	3633476	5.38E-07	28.72YrCa	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		503472	3633476	6.65E-07	28.72YrCa	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		503522	3633476	1.06E-06	28.72YrCa	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		503622	3633476	8.79E-07	28.72YrCa	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		503672	3633476	5.64E-07	28.72YrCa	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		503722	3633476	4.44E-07	28.72YrCa	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		503772	3633476	4.10E-07	28.72YrCa	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		503822	3633476	3.63E-07	28.72YrCa	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		503872	3633476	3.44E-07	28.72YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		503922	3633476	3.56E-07	28.72YrCa	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		503972	3633476	3.45E-07	28.72YrCa	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		504022	3633476	3.19E-07	28.72YrCa	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		504072	3633476	3.15E-07	28.72YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		504122	3633476	3.21E-07	28.72YrCa	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		504172	3633476	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		504222	3633476	3.04E-07	28.72YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		504272	3633476	3.10E-07	28.72YrCa	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		504322	3633476	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		504372	3633476	2.75E-07	28.72YrCa	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		504422	3633476	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		504472	3633476	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		504522	3633476	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		504572	3633476	2.38E-07	28.72YrCa	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		504622	3633476	2.43E-07	28.72YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		504672	3633476	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		504722	3633476	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		502722	3633526	3.33E-07	28.72YrCa	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		502772	3633526	3.46E-07	28.72YrCa	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		502822	3633526	3.60E-07	28.72YrCa	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

44	ALL	502872	3633526	3.76E-07	28.72YrCa	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL	502922	3633526	3.93E-07	28.72YrCa	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL	502972	3633526	4.10E-07	28.72YrCa	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	503022	3633526	4.29E-07	28.72YrCa	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	503072	3633526	4.50E-07	28.72YrCa	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	503122	3633526	4.72E-07	28.72YrCa	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	503172	3633526	4.96E-07	28.72YrCa	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	503222	3633526	5.25E-07	28.72YrCa	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	503272	3633526	5.58E-07	28.72YrCa	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	503322	3633526	5.79E-07	28.72YrCa	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	503372	3633526	5.46E-07	28.72YrCa	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	503422	3633526	6.00E-07	28.72YrCa	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	503472	3633526	7.19E-07	28.72YrCa	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	503522	3633526	1.03E-06	28.72YrCa	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	503622	3633526	1.12E-06	28.72YrCa	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	503672	3633526	7.53E-07	28.72YrCa	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	503722	3633526	6.26E-07	28.72YrCa	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	503772	3633526	5.01E-07	28.72YrCa	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	503822	3633526	4.19E-07	28.72YrCa	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	503872	3633526	4.12E-07	28.72YrCa	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	503922	3633526	4.24E-07	28.72YrCa	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	503972	3633526	3.96E-07	28.72YrCa	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	504022	3633526	3.61E-07	28.72YrCa	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	504072	3633526	3.59E-07	28.72YrCa	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	504122	3633526	3.69E-07	28.72YrCa	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	504172	3633526	3.63E-07	28.72YrCa	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	504222	3633526	3.60E-07	28.72YrCa	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	504272	3633526	3.44E-07	28.72YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	504322	3633526	2.97E-07	28.72YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	504372	3633526	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	504422	3633526	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	504472	3633526	2.55E-07	28.72YrCa	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	504522	3633526	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	504572	3633526	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	504622	3633526	2.73E-07	28.72YrCa	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	504672	3633526	2.71E-07	28.72YrCa	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	504722	3633526	2.68E-07	28.72YrCa	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	502722	3633576	3.38E-07	28.72YrCa	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	502772	3633576	3.52E-07	28.72YrCa	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	502822	3633576	3.67E-07	28.72YrCa	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	502872	3633576	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	502922	3633576	4.02E-07	28.72YrCa	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	502972	3633576	4.21E-07	28.72YrCa	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	503022	3633576	4.42E-07	28.72YrCa	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	503072	3633576	4.64E-07	28.72YrCa	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

89	ALL	503122	3633576	4.88E-07	28.72YrCa	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	503172	3633576	5.14E-07	28.72YrCa	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	503222	3633576	5.45E-07	28.72YrCa	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	503272	3633576	5.79E-07	28.72YrCa	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	503322	3633576	6.12E-07	28.72YrCa	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	503372	3633576	6.08E-07	28.72YrCa	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	503422	3633576	6.58E-07	28.72YrCa	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	503472	3633576	7.46E-07	28.72YrCa	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	503522	3633576	9.71E-07	28.72YrCa	9.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	503622	3633576	1.26E-06	28.72YrCa	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	503672	3633576	8.75E-07	28.72YrCa	8.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	503722	3633576	7.33E-07	28.72YrCa	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	503772	3633576	6.00E-07	28.72YrCa	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	503822	3633576	5.17E-07	28.72YrCa	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	503872	3633576	5.16E-07	28.72YrCa	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	503922	3633576	4.97E-07	28.72YrCa	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	503972	3633576	4.55E-07	28.72YrCa	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	504022	3633576	4.37E-07	28.72YrCa	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	504072	3633576	4.17E-07	28.72YrCa	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	504122	3633576	4.20E-07	28.72YrCa	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	504172	3633576	4.16E-07	28.72YrCa	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	504222	3633576	4.15E-07	28.72YrCa	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	504272	3633576	3.62E-07	28.72YrCa	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	504322	3633576	3.14E-07	28.72YrCa	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	504372	3633576	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	504422	3633576	2.80E-07	28.72YrCa	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	504472	3633576	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	504522	3633576	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	504572	3633576	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	504622	3633576	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	504672	3633576	2.90E-07	28.72YrCa	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	504722	3633576	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	502722	3633626	3.44E-07	28.72YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	502772	3633626	3.59E-07	28.72YrCa	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	502822	3633626	3.75E-07	28.72YrCa	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	502872	3633626	3.93E-07	28.72YrCa	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	502922	3633626	4.12E-07	28.72YrCa	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	502972	3633626	4.33E-07	28.72YrCa	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	503022	3633626	4.56E-07	28.72YrCa	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	503072	3633626	4.79E-07	28.72YrCa	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	503122	3633626	5.05E-07	28.72YrCa	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	503172	3633626	5.34E-07	28.72YrCa	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	503222	3633626	5.66E-07	28.72YrCa	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	503272	3633626	6.03E-07	28.72YrCa	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	503322	3633626	6.45E-07	28.72YrCa	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

134	ALL	503372	3633626	6.75E-07	28.72YrCa	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	503422	3633626	6.94E-07	28.72YrCa	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	503472	3633626	7.72E-07	28.72YrCa	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	503522	3633626	9.50E-07	28.72YrCa	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	503622	3633626	1.57E-06	28.72YrCa	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	503672	3633626	9.63E-07	28.72YrCa	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	503722	3633626	8.10E-07	28.72YrCa	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	503772	3633626	6.49E-07	28.72YrCa	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	503822	3633626	5.93E-07	28.72YrCa	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	503872	3633626	5.78E-07	28.72YrCa	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	503922	3633626	5.42E-07	28.72YrCa	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	503972	3633626	5.20E-07	28.72YrCa	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	504022	3633626	4.89E-07	28.72YrCa	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	504072	3633626	4.66E-07	28.72YrCa	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	504122	3633626	4.76E-07	28.72YrCa	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	504172	3633626	4.71E-07	28.72YrCa	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	504222	3633626	4.54E-07	28.72YrCa	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	504272	3633626	4.07E-07	28.72YrCa	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	504322	3633626	3.66E-07	28.72YrCa	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	504372	3633626	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	504422	3633626	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	504472	3633626	3.09E-07	28.72YrCa	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	504522	3633626	3.30E-07	28.72YrCa	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	504572	3633626	3.32E-07	28.72YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	504622	3633626	3.23E-07	28.72YrCa	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	504672	3633626	3.23E-07	28.72YrCa	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	504722	3633626	3.11E-07	28.72YrCa	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	502722	3633676	3.50E-07	28.72YrCa	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	502772	3633676	3.66E-07	28.72YrCa	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	502822	3633676	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	502872	3633676	4.03E-07	28.72YrCa	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	502922	3633676	4.24E-07	28.72YrCa	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	502972	3633676	4.46E-07	28.72YrCa	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	503022	3633676	4.71E-07	28.72YrCa	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	503072	3633676	4.96E-07	28.72YrCa	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	503122	3633676	5.25E-07	28.72YrCa	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	503172	3633676	5.56E-07	28.72YrCa	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	503222	3633676	5.91E-07	28.72YrCa	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	503272	3633676	6.30E-07	28.72YrCa	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	503322	3633676	6.74E-07	28.72YrCa	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	503372	3633676	7.25E-07	28.72YrCa	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	503422	3633676	7.90E-07	28.72YrCa	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	503472	3633676	8.55E-07	28.72YrCa	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	503522	3633676	9.66E-07	28.72YrCa	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	503572	3633676	1.34E-06	28.72YrCa	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

179	ALL	503672	3633676	1.10E-06	28.72YrCa	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	503722	3633676	8.87E-07	28.72YrCa	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	503772	3633676	7.70E-07	28.72YrCa	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	503822	3633676	6.89E-07	28.72YrCa	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	503872	3633676	6.36E-07	28.72YrCa	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	503922	3633676	6.09E-07	28.72YrCa	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	503972	3633676	5.77E-07	28.72YrCa	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	504022	3633676	5.48E-07	28.72YrCa	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	504072	3633676	5.36E-07	28.72YrCa	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	504122	3633676	5.36E-07	28.72YrCa	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	504172	3633676	5.31E-07	28.72YrCa	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	504222	3633676	5.16E-07	28.72YrCa	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	504272	3633676	4.73E-07	28.72YrCa	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	504322	3633676	4.18E-07	28.72YrCa	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	504372	3633676	3.74E-07	28.72YrCa	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	504422	3633676	3.56E-07	28.72YrCa	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	504472	3633676	3.65E-07	28.72YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	504522	3633676	3.74E-07	28.72YrCa	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	504572	3633676	3.65E-07	28.72YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	504622	3633676	3.58E-07	28.72YrCa	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	504672	3633676	3.49E-07	28.72YrCa	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	504722	3633676	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	502722	3633726	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	502772	3633726	3.75E-07	28.72YrCa	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	502822	3633726	3.93E-07	28.72YrCa	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	502872	3633726	4.14E-07	28.72YrCa	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	502922	3633726	4.37E-07	28.72YrCa	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	502972	3633726	4.61E-07	28.72YrCa	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	503022	3633726	4.86E-07	28.72YrCa	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	503072	3633726	5.15E-07	28.72YrCa	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	503122	3633726	5.46E-07	28.72YrCa	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	503172	3633726	5.80E-07	28.72YrCa	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	503222	3633726	6.18E-07	28.72YrCa	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	503272	3633726	6.59E-07	28.72YrCa	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	503322	3633726	7.06E-07	28.72YrCa	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	503372	3633726	7.59E-07	28.72YrCa	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	503422	3633726	8.23E-07	28.72YrCa	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	503472	3633726	9.11E-07	28.72YrCa	9.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	503522	3633726	1.02E-06	28.72YrCa	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	503572	3633726	1.23E-06	28.72YrCa	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	503722	3633726	1.06E-06	28.72YrCa	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	503772	3633726	8.70E-07	28.72YrCa	8.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	503822	3633726	7.90E-07	28.72YrCa	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	503872	3633726	7.21E-07	28.72YrCa	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	503922	3633726	6.83E-07	28.72YrCa	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

224	ALL	503972	3633726	6.36E-07	28.72YrCa	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	504022	3633726	6.11E-07	28.72YrCa	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	504072	3633726	6.00E-07	28.72YrCa	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	504122	3633726	6.12E-07	28.72YrCa	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	504172	3633726	5.96E-07	28.72YrCa	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	504222	3633726	5.73E-07	28.72YrCa	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	504272	3633726	5.63E-07	28.72YrCa	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	504322	3633726	4.87E-07	28.72YrCa	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	504372	3633726	4.37E-07	28.72YrCa	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	504422	3633726	4.20E-07	28.72YrCa	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	504472	3633726	4.24E-07	28.72YrCa	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	504522	3633726	4.17E-07	28.72YrCa	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	504572	3633726	4.04E-07	28.72YrCa	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	504622	3633726	4.09E-07	28.72YrCa	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	504672	3633726	3.93E-07	28.72YrCa	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	504722	3633726	3.73E-07	28.72YrCa	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	502722	3633776	3.64E-07	28.72YrCa	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	502772	3633776	3.83E-07	28.72YrCa	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	502822	3633776	4.03E-07	28.72YrCa	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	502872	3633776	4.25E-07	28.72YrCa	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	502922	3633776	4.50E-07	28.72YrCa	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	502972	3633776	4.77E-07	28.72YrCa	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	503022	3633776	5.05E-07	28.72YrCa	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	503072	3633776	5.36E-07	28.72YrCa	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	503122	3633776	5.70E-07	28.72YrCa	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	503172	3633776	6.07E-07	28.72YrCa	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	503222	3633776	6.48E-07	28.72YrCa	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	503272	3633776	6.93E-07	28.72YrCa	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	503322	3633776	7.44E-07	28.72YrCa	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	503372	3633776	8.00E-07	28.72YrCa	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	503422	3633776	8.66E-07	28.72YrCa	8.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	503472	3633776	9.48E-07	28.72YrCa	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	503772	3633776	9.97E-07	28.72YrCa	9.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	503822	3633776	8.93E-07	28.72YrCa	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	503872	3633776	8.32E-07	28.72YrCa	8.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	503922	3633776	7.59E-07	28.72YrCa	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	503972	3633776	7.09E-07	28.72YrCa	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	504022	3633776	6.88E-07	28.72YrCa	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	504072	3633776	7.27E-07	28.72YrCa	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	504122	3633776	7.05E-07	28.72YrCa	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	504172	3633776	6.89E-07	28.72YrCa	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	504222	3633776	6.62E-07	28.72YrCa	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	504272	3633776	6.29E-07	28.72YrCa	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	504322	3633776	5.62E-07	28.72YrCa	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	504372	3633776	5.22E-07	28.72YrCa	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

269	ALL	504422	3633776	5.03E-07	28.72YrCa	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	504472	3633776	4.76E-07	28.72YrCa	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	504522	3633776	4.87E-07	28.72YrCa	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	504572	3633776	4.97E-07	28.72YrCa	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	504622	3633776	4.73E-07	28.72YrCa	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	504672	3633776	4.44E-07	28.72YrCa	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	504722	3633776	4.17E-07	28.72YrCa	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	502722	3633826	3.72E-07	28.72YrCa	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	502772	3633826	3.92E-07	28.72YrCa	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	502822	3633826	4.14E-07	28.72YrCa	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	502872	3633826	4.38E-07	28.72YrCa	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	502922	3633826	4.64E-07	28.72YrCa	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	502972	3633826	4.93E-07	28.72YrCa	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	503022	3633826	5.24E-07	28.72YrCa	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	503072	3633826	5.58E-07	28.72YrCa	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	503122	3633826	5.95E-07	28.72YrCa	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	503172	3633826	6.36E-07	28.72YrCa	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	503222	3633826	6.82E-07	28.72YrCa	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	503272	3633826	7.32E-07	28.72YrCa	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	503772	3633826	1.21E-06	28.72YrCa	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	503822	3633826	1.08E-06	28.72YrCa	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	503872	3633826	9.61E-07	28.72YrCa	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	503922	3633826	8.56E-07	28.72YrCa	8.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	503972	3633826	8.14E-07	28.72YrCa	8.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	504022	3633826	8.60E-07	28.72YrCa	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	504072	3633826	8.27E-07	28.72YrCa	8.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	504122	3633826	8.08E-07	28.72YrCa	8.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	504172	3633826	8.02E-07	28.72YrCa	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	504222	3633826	7.69E-07	28.72YrCa	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	504272	3633826	7.39E-07	28.72YrCa	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	504322	3633826	7.05E-07	28.72YrCa	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	504372	3633826	6.61E-07	28.72YrCa	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	504422	3633826	6.12E-07	28.72YrCa	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	504472	3633826	5.84E-07	28.72YrCa	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	504522	3633826	5.72E-07	28.72YrCa	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	504572	3633826	5.69E-07	28.72YrCa	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	504622	3633826	5.29E-07	28.72YrCa	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	504672	3633826	4.92E-07	28.72YrCa	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	504722	3633826	4.70E-07	28.72YrCa	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	502722	3633876	3.80E-07	28.72YrCa	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	502772	3633876	4.01E-07	28.72YrCa	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	502822	3633876	4.25E-07	28.72YrCa	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	502872	3633876	4.50E-07	28.72YrCa	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	502922	3633876	4.79E-07	28.72YrCa	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	502972	3633876	5.10E-07	28.72YrCa	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

314	ALL	503022	3633876	5.44E-07	28.72YrCa	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	503072	3633876	5.82E-07	28.72YrCa	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	503122	3633876	6.22E-07	28.72YrCa	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	503172	3633876	6.68E-07	28.72YrCa	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	503222	3633876	7.18E-07	28.72YrCa	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	503272	3633876	7.74E-07	28.72YrCa	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	503822	3633876	1.25E-06	28.72YrCa	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	503872	3633876	1.09E-06	28.72YrCa	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	503922	3633876	1.02E-06	28.72YrCa	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	503972	3633876	1.06E-06	28.72YrCa	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	504022	3633876	1.01E-06	28.72YrCa	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	504072	3633876	9.50E-07	28.72YrCa	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	504122	3633876	9.46E-07	28.72YrCa	9.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	504172	3633876	9.11E-07	28.72YrCa	9.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	504222	3633876	8.81E-07	28.72YrCa	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	504272	3633876	8.45E-07	28.72YrCa	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	504322	3633876	7.91E-07	28.72YrCa	7.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	504372	3633876	7.50E-07	28.72YrCa	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	504422	3633876	7.02E-07	28.72YrCa	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	504472	3633876	6.75E-07	28.72YrCa	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	504522	3633876	6.69E-07	28.72YrCa	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	504572	3633876	6.41E-07	28.72YrCa	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	504622	3633876	5.98E-07	28.72YrCa	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	504672	3633876	5.26E-07	28.72YrCa	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	504722	3633876	5.03E-07	28.72YrCa	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	502722	3633926	3.88E-07	28.72YrCa	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	502772	3633926	4.11E-07	28.72YrCa	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	502822	3633926	4.36E-07	28.72YrCa	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	502872	3633926	4.63E-07	28.72YrCa	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	502922	3633926	4.94E-07	28.72YrCa	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	502972	3633926	5.28E-07	28.72YrCa	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	503022	3633926	5.65E-07	28.72YrCa	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	503072	3633926	6.06E-07	28.72YrCa	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	503122	3633926	6.52E-07	28.72YrCa	6.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	503172	3633926	7.02E-07	28.72YrCa	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	503222	3633926	7.58E-07	28.72YrCa	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	503272	3633926	8.21E-07	28.72YrCa	8.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	ALL	503822	3633926	1.52E-06	28.72YrCa	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	503872	3633926	1.35E-06	28.72YrCa	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	503922	3633926	1.29E-06	28.72YrCa	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	503972	3633926	1.29E-06	28.72YrCa	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	504022	3633926	1.19E-06	28.72YrCa	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	504072	3633926	1.15E-06	28.72YrCa	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	504122	3633926	1.09E-06	28.72YrCa	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	504172	3633926	1.07E-06	28.72YrCa	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

359	ALL	504222	3633926	1.04E-06	28.72YrCa	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	504272	3633926	9.86E-07	28.72YrCa	9.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	504322	3633926	9.45E-07	28.72YrCa	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	504372	3633926	8.82E-07	28.72YrCa	8.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	504422	3633926	8.42E-07	28.72YrCa	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	504472	3633926	7.92E-07	28.72YrCa	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	504522	3633926	7.39E-07	28.72YrCa	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	504572	3633926	6.67E-07	28.72YrCa	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	504622	3633926	6.10E-07	28.72YrCa	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	504672	3633926	5.64E-07	28.72YrCa	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	504722	3633926	5.22E-07	28.72YrCa	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	502722	3633976	3.96E-07	28.72YrCa	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	502772	3633976	4.20E-07	28.72YrCa	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	502822	3633976	4.46E-07	28.72YrCa	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	502872	3633976	4.76E-07	28.72YrCa	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	502922	3633976	5.10E-07	28.72YrCa	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	502972	3633976	5.45E-07	28.72YrCa	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	503022	3633976	5.86E-07	28.72YrCa	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	503072	3633976	6.31E-07	28.72YrCa	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	503122	3633976	6.82E-07	28.72YrCa	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	503172	3633976	7.39E-07	28.72YrCa	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	503222	3633976	8.02E-07	28.72YrCa	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	503272	3633976	8.73E-07	28.72YrCa	8.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	503822	3633976	1.90E-06	28.72YrCa	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	503872	3633976	1.70E-06	28.72YrCa	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	503922	3633976	1.73E-06	28.72YrCa	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	503972	3633976	1.56E-06	28.72YrCa	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	504022	3633976	1.44E-06	28.72YrCa	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	504072	3633976	1.35E-06	28.72YrCa	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	504122	3633976	1.31E-06	28.72YrCa	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	504172	3633976	1.26E-06	28.72YrCa	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	504222	3633976	1.19E-06	28.72YrCa	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	504272	3633976	1.13E-06	28.72YrCa	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	504322	3633976	1.08E-06	28.72YrCa	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	504372	3633976	9.98E-07	28.72YrCa	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	504422	3633976	9.38E-07	28.72YrCa	9.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	504472	3633976	8.37E-07	28.72YrCa	8.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	504522	3633976	7.37E-07	28.72YrCa	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	504572	3633976	6.77E-07	28.72YrCa	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	504622	3633976	6.20E-07	28.72YrCa	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	504672	3633976	5.63E-07	28.72YrCa	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	504722	3633976	5.05E-07	28.72YrCa	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	502722	3634026	4.04E-07	28.72YrCa	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	502772	3634026	4.30E-07	28.72YrCa	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	502822	3634026	4.58E-07	28.72YrCa	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

404	ALL	502872	3634026	4.89E-07	28.72YrCa	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	502922	3634026	5.24E-07	28.72YrCa	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	502972	3634026	5.63E-07	28.72YrCa	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	503022	3634026	6.08E-07	28.72YrCa	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	503072	3634026	6.57E-07	28.72YrCa	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	503122	3634026	7.13E-07	28.72YrCa	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	503172	3634026	7.77E-07	28.72YrCa	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	503222	3634026	8.48E-07	28.72YrCa	8.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	503272	3634026	9.30E-07	28.72YrCa	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	503872	3634026	2.25E-06	28.72YrCa	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	503922	3634026	2.11E-06	28.72YrCa	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	503972	3634026	1.85E-06	28.72YrCa	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	504022	3634026	1.74E-06	28.72YrCa	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	504072	3634026	1.63E-06	28.72YrCa	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	504122	3634026	1.55E-06	28.72YrCa	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	504172	3634026	1.46E-06	28.72YrCa	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	504222	3634026	1.38E-06	28.72YrCa	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	504272	3634026	1.29E-06	28.72YrCa	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	504322	3634026	1.21E-06	28.72YrCa	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	504372	3634026	1.10E-06	28.72YrCa	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	504422	3634026	9.48E-07	28.72YrCa	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	504472	3634026	8.41E-07	28.72YrCa	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	504522	3634026	7.64E-07	28.72YrCa	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	504572	3634026	6.87E-07	28.72YrCa	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	504622	3634026	6.05E-07	28.72YrCa	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	504672	3634026	5.43E-07	28.72YrCa	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	504722	3634026	4.92E-07	28.72YrCa	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	502722	3634076	4.12E-07	28.72YrCa	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	502772	3634076	4.38E-07	28.72YrCa	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	502822	3634076	4.68E-07	28.72YrCa	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	502872	3634076	5.02E-07	28.72YrCa	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	502922	3634076	5.39E-07	28.72YrCa	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	502972	3634076	5.81E-07	28.72YrCa	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	503022	3634076	6.30E-07	28.72YrCa	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	503072	3634076	6.84E-07	28.72YrCa	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	ALL	503122	3634076	7.46E-07	28.72YrCa	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	503172	3634076	8.16E-07	28.72YrCa	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	503222	3634076	8.97E-07	28.72YrCa	8.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	503272	3634076	9.90E-07	28.72YrCa	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	503872	3634076	2.93E-06	28.72YrCa	2.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	503922	3634076	2.61E-06	28.72YrCa	2.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	503972	3634076	2.36E-06	28.72YrCa	2.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	504022	3634076	2.09E-06	28.72YrCa	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	504072	3634076	1.95E-06	28.72YrCa	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	504122	3634076	1.84E-06	28.72YrCa	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

449	ALL	504172	3634076	1.72E-06	28.72YrCa	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	504222	3634076	1.61E-06	28.72YrCa	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	504272	3634076	1.49E-06	28.72YrCa	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	504322	3634076	1.34E-06	28.72YrCa	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	504372	3634076	1.15E-06	28.72YrCa	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	504422	3634076	9.97E-07	28.72YrCa	9.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	504472	3634076	8.66E-07	28.72YrCa	8.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	504522	3634076	7.50E-07	28.72YrCa	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	504572	3634076	6.56E-07	28.72YrCa	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	504622	3634076	5.68E-07	28.72YrCa	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	504672	3634076	5.18E-07	28.72YrCa	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	504722	3634076	4.81E-07	28.72YrCa	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	502722	3634126	4.20E-07	28.72YrCa	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	502772	3634126	4.47E-07	28.72YrCa	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	502822	3634126	4.78E-07	28.72YrCa	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	502872	3634126	5.14E-07	28.72YrCa	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	502922	3634126	5.54E-07	28.72YrCa	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	502972	3634126	5.99E-07	28.72YrCa	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	503022	3634126	6.51E-07	28.72YrCa	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	503072	3634126	7.10E-07	28.72YrCa	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	503122	3634126	7.78E-07	28.72YrCa	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	503172	3634126	8.57E-07	28.72YrCa	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	503222	3634126	9.47E-07	28.72YrCa	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	503272	3634126	1.05E-06	28.72YrCa	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	503922	3634126	3.36E-06	28.72YrCa	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	503972	3634126	2.94E-06	28.72YrCa	2.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	504022	3634126	2.62E-06	28.72YrCa	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	504072	3634126	2.37E-06	28.72YrCa	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	504122	3634126	2.18E-06	28.72YrCa	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	504172	3634126	2.02E-06	28.72YrCa	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	504222	3634126	1.85E-06	28.72YrCa	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	504272	3634126	1.67E-06	28.72YrCa	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	504322	3634126	1.46E-06	28.72YrCa	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	504372	3634126	1.25E-06	28.72YrCa	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	504422	3634126	1.04E-06	28.72YrCa	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	504472	3634126	8.43E-07	28.72YrCa	8.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	504522	3634126	7.35E-07	28.72YrCa	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	504572	3634126	6.33E-07	28.72YrCa	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	504622	3634126	5.53E-07	28.72YrCa	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	504672	3634126	5.08E-07	28.72YrCa	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	504722	3634126	4.61E-07	28.72YrCa	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	502722	3634176	4.25E-07	28.72YrCa	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	502772	3634176	4.55E-07	28.72YrCa	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	502822	3634176	4.88E-07	28.72YrCa	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	502872	3634176	5.26E-07	28.72YrCa	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

494	ALL	502922	3634176	5.67E-07	28.72YrCa	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	502972	3634176	6.16E-07	28.72YrCa	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	503022	3634176	6.71E-07	28.72YrCa	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	503072	3634176	7.35E-07	28.72YrCa	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	503122	3634176	8.09E-07	28.72YrCa	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	503172	3634176	8.95E-07	28.72YrCa	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	503222	3634176	9.95E-07	28.72YrCa	9.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	503272	3634176	1.12E-06	28.72YrCa	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	503972	3634176	3.80E-06	28.72YrCa	3.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	504022	3634176	3.27E-06	28.72YrCa	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	504072	3634176	2.86E-06	28.72YrCa	2.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	504122	3634176	2.52E-06	28.72YrCa	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	504172	3634176	2.24E-06	28.72YrCa	2.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	504222	3634176	2.07E-06	28.72YrCa	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	504272	3634176	1.84E-06	28.72YrCa	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	504322	3634176	1.62E-06	28.72YrCa	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	504372	3634176	1.22E-06	28.72YrCa	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	504422	3634176	9.16E-07	28.72YrCa	9.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	504472	3634176	8.06E-07	28.72YrCa	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	504522	3634176	7.06E-07	28.72YrCa	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	504572	3634176	5.89E-07	28.72YrCa	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	504622	3634176	5.11E-07	28.72YrCa	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	504672	3634176	4.62E-07	28.72YrCa	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	504722	3634176	4.12E-07	28.72YrCa	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	502722	3634226	4.31E-07	28.72YrCa	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	502772	3634226	4.62E-07	28.72YrCa	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	502822	3634226	4.97E-07	28.72YrCa	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	502872	3634226	5.37E-07	28.72YrCa	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	502922	3634226	5.81E-07	28.72YrCa	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	502972	3634226	6.31E-07	28.72YrCa	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	503022	3634226	6.91E-07	28.72YrCa	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	503072	3634226	7.59E-07	28.72YrCa	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	503122	3634226	8.39E-07	28.72YrCa	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	ALL	503172	3634226	9.33E-07	28.72YrCa	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	503222	3634226	1.05E-06	28.72YrCa	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	503272	3634226	1.18E-06	28.72YrCa	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	504072	3634226	3.43E-06	28.72YrCa	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	504122	3634226	2.90E-06	28.72YrCa	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	504172	3634226	2.52E-06	28.72YrCa	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	504222	3634226	2.18E-06	28.72YrCa	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	504272	3634226	1.95E-06	28.72YrCa	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	504322	3634226	1.68E-06	28.72YrCa	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	504372	3634226	1.18E-06	28.72YrCa	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	504422	3634226	8.80E-07	28.72YrCa	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	504472	3634226	7.73E-07	28.72YrCa	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

539	ALL	504522	3634226	6.75E-07	28.72YrCa	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	504572	3634226	5.74E-07	28.72YrCa	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	504622	3634226	4.95E-07	28.72YrCa	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	504672	3634226	4.36E-07	28.72YrCa	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	504722	3634226	3.89E-07	28.72YrCa	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	502722	3634276	4.37E-07	28.72YrCa	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	502772	3634276	4.69E-07	28.72YrCa	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	502822	3634276	5.05E-07	28.72YrCa	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	502872	3634276	5.48E-07	28.72YrCa	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	502922	3634276	5.93E-07	28.72YrCa	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	502972	3634276	6.46E-07	28.72YrCa	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	503022	3634276	7.09E-07	28.72YrCa	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	503072	3634276	7.82E-07	28.72YrCa	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	503122	3634276	8.67E-07	28.72YrCa	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	503172	3634276	9.70E-07	28.72YrCa	9.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	503222	3634276	1.09E-06	28.72YrCa	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	503272	3634276	1.25E-06	28.72YrCa	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	504122	3634276	3.25E-06	28.72YrCa	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	504172	3634276	2.69E-06	28.72YrCa	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	504222	3634276	2.35E-06	28.72YrCa	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	504272	3634276	2.00E-06	28.72YrCa	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	504322	3634276	1.67E-06	28.72YrCa	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	504372	3634276	1.25E-06	28.72YrCa	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	504422	3634276	9.32E-07	28.72YrCa	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	504472	3634276	7.68E-07	28.72YrCa	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	504522	3634276	6.50E-07	28.72YrCa	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	504572	3634276	5.51E-07	28.72YrCa	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	504622	3634276	4.78E-07	28.72YrCa	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	504672	3634276	4.18E-07	28.72YrCa	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	504722	3634276	3.75E-07	28.72YrCa	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	502722	3634326	4.39E-07	28.72YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	502772	3634326	4.72E-07	28.72YrCa	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL	502822	3634326	5.09E-07	28.72YrCa	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	502872	3634326	5.57E-07	28.72YrCa	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	502972	3634326	6.59E-07	28.72YrCa	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	503022	3634326	7.25E-07	28.72YrCa	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	503072	3634326	8.02E-07	28.72YrCa	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	503122	3634326	8.93E-07	28.72YrCa	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	503172	3634326	1.00E-06	28.72YrCa	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	503222	3634326	1.14E-06	28.72YrCa	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	503272	3634326	1.30E-06	28.72YrCa	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	504172	3634326	2.91E-06	28.72YrCa	2.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	504222	3634326	2.37E-06	28.72YrCa	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	504272	3634326	2.01E-06	28.72YrCa	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	504322	3634326	1.69E-06	28.72YrCa	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

584	ALL	504372	3634326	1.35E-06	28.72YrCa	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	504422	3634326	9.76E-07	28.72YrCa	9.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	504472	3634326	7.80E-07	28.72YrCa	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	504522	3634326	6.37E-07	28.72YrCa	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	504572	3634326	5.28E-07	28.72YrCa	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	504622	3634326	4.50E-07	28.72YrCa	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	504672	3634326	3.94E-07	28.72YrCa	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	504722	3634326	3.58E-07	28.72YrCa	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	502722	3634376	4.41E-07	28.72YrCa	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	502772	3634376	4.75E-07	28.72YrCa	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	502822	3634376	5.13E-07	28.72YrCa	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	503022	3634376	7.36E-07	28.72YrCa	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	503072	3634376	8.18E-07	28.72YrCa	8.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	503122	3634376	9.14E-07	28.72YrCa	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	503172	3634376	1.03E-06	28.72YrCa	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	503222	3634376	1.17E-06	28.72YrCa	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	503272	3634376	1.35E-06	28.72YrCa	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	504222	3634376	2.45E-06	28.72YrCa	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	504272	3634376	2.03E-06	28.72YrCa	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	504322	3634376	1.72E-06	28.72YrCa	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	504372	3634376	1.30E-06	28.72YrCa	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	504422	3634376	8.80E-07	28.72YrCa	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	504472	3634376	6.95E-07	28.72YrCa	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	504522	3634376	5.81E-07	28.72YrCa	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	504572	3634376	4.99E-07	28.72YrCa	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	504622	3634376	4.39E-07	28.72YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	504672	3634376	3.93E-07	28.72YrCa	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	504722	3634376	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	502722	3634426	4.45E-07	28.72YrCa	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	502772	3634426	4.79E-07	28.72YrCa	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	502822	3634426	5.17E-07	28.72YrCa	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	ALL	504272	3634426	2.00E-06	28.72YrCa	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	504322	3634426	1.71E-06	28.72YrCa	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	504372	3634426	1.34E-06	28.72YrCa	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	504422	3634426	9.31E-07	28.72YrCa	9.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	504472	3634426	7.13E-07	28.72YrCa	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	504522	3634426	5.95E-07	28.72YrCa	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	504572	3634426	5.28E-07	28.72YrCa	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	504622	3634426	4.75E-07	28.72YrCa	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	504672	3634426	4.23E-07	28.72YrCa	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	504722	3634426	3.77E-07	28.72YrCa	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	502722	3634476	4.49E-07	28.72YrCa	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	502772	3634476	4.85E-07	28.72YrCa	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	502822	3634476	5.24E-07	28.72YrCa	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	504322	3634476	1.67E-06	28.72YrCa	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

629	ALL	504372	3634476	1.43E-06	28.72YrCa	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	504422	3634476	1.17E-06	28.72YrCa	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	504472	3634476	8.60E-07	28.72YrCa	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	504522	3634476	7.02E-07	28.72YrCa	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	504572	3634476	6.17E-07	28.72YrCa	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	504622	3634476	5.52E-07	28.72YrCa	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	504672	3634476	4.71E-07	28.72YrCa	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	504722	3634476	4.05E-07	28.72YrCa	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	502722	3634526	4.51E-07	28.72YrCa	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	502772	3634526	4.85E-07	28.72YrCa	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	504372	3634526	1.41E-06	28.72YrCa	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	504422	3634526	1.22E-06	28.72YrCa	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	504472	3634526	1.07E-06	28.72YrCa	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	504522	3634526	9.17E-07	28.72YrCa	9.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	504572	3634526	7.91E-07	28.72YrCa	7.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	504622	3634526	6.70E-07	28.72YrCa	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	504672	3634526	5.39E-07	28.72YrCa	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	504722	3634526	4.52E-07	28.72YrCa	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	502722	3634576	4.49E-07	28.72YrCa	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	502772	3634576	4.83E-07	28.72YrCa	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	504422	3634576	1.21E-06	28.72YrCa	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	504472	3634576	1.06E-06	28.72YrCa	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	504522	3634576	9.45E-07	28.72YrCa	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	504572	3634576	8.52E-07	28.72YrCa	8.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	504622	3634576	7.45E-07	28.72YrCa	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	504672	3634576	6.27E-07	28.72YrCa	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	504722	3634576	5.28E-07	28.72YrCa	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	502722	3634626	4.45E-07	28.72YrCa	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	502772	3634626	4.78E-07	28.72YrCa	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	502822	3634626	5.17E-07	28.72YrCa	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	ALL	502872	3634626	5.61E-07	28.72YrCa	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	502922	3634626	6.10E-07	28.72YrCa	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	502972	3634626	6.68E-07	28.72YrCa	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	503022	3634626	7.35E-07	28.72YrCa	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	503072	3634626	8.13E-07	28.72YrCa	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	503122	3634626	9.06E-07	28.72YrCa	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	504472	3634626	1.05E-06	28.72YrCa	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	504522	3634626	9.24E-07	28.72YrCa	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	504572	3634626	8.33E-07	28.72YrCa	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	504622	3634626	7.60E-07	28.72YrCa	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	504672	3634626	6.94E-07	28.72YrCa	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	504722	3634626	6.14E-07	28.72YrCa	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	502722	3634676	4.39E-07	28.72YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	502772	3634676	4.72E-07	28.72YrCa	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	502822	3634676	5.09E-07	28.72YrCa	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

674	ALL	502872	3634676	5.51E-07	28.72YrCa	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	502922	3634676	5.99E-07	28.72YrCa	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	502972	3634676	6.54E-07	28.72YrCa	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	503022	3634676	7.16E-07	28.72YrCa	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	503072	3634676	7.90E-07	28.72YrCa	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	503122	3634676	8.77E-07	28.72YrCa	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	503172	3634676	9.80E-07	28.72YrCa	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	503222	3634676	1.10E-06	28.72YrCa	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	503272	3634676	1.25E-06	28.72YrCa	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	503322	3634676	1.44E-06	28.72YrCa	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	503372	3634676	1.67E-06	28.72YrCa	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	503422	3634676	1.97E-06	28.72YrCa	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	503472	3634676	2.36E-06	28.72YrCa	2.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	503522	3634676	2.88E-06	28.72YrCa	2.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	504522	3634676	9.17E-07	28.72YrCa	9.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	504572	3634676	8.16E-07	28.72YrCa	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	504622	3634676	7.41E-07	28.72YrCa	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	504672	3634676	6.75E-07	28.72YrCa	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	504722	3634676	6.23E-07	28.72YrCa	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	502722	3634726	4.32E-07	28.72YrCa	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	502772	3634726	4.63E-07	28.72YrCa	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	502822	3634726	4.99E-07	28.72YrCa	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	502872	3634726	5.39E-07	28.72YrCa	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	502922	3634726	5.84E-07	28.72YrCa	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	502972	3634726	6.35E-07	28.72YrCa	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	503022	3634726	6.94E-07	28.72YrCa	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	503072	3634726	7.62E-07	28.72YrCa	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	503122	3634726	8.41E-07	28.72YrCa	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	503172	3634726	9.35E-07	28.72YrCa	9.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	ALL	503222	3634726	1.05E-06	28.72YrCa	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	503272	3634726	1.18E-06	28.72YrCa	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	503322	3634726	1.34E-06	28.72YrCa	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	503372	3634726	1.54E-06	28.72YrCa	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	503422	3634726	1.79E-06	28.72YrCa	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	503472	3634726	2.09E-06	28.72YrCa	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	503522	3634726	2.48E-06	28.72YrCa	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	503572	3634726	2.98E-06	28.72YrCa	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	503622	3634726	3.56E-06	28.72YrCa	3.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	504572	3634726	8.11E-07	28.72YrCa	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	504622	3634726	7.24E-07	28.72YrCa	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	504672	3634726	6.61E-07	28.72YrCa	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	504722	3634726	6.07E-07	28.72YrCa	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	502722	3634776	4.23E-07	28.72YrCa	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	502772	3634776	4.53E-07	28.72YrCa	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	502822	3634776	4.86E-07	28.72YrCa	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

719	ALL	502872	3634776	5.24E-07	28.72YrCa	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	502922	3634776	5.66E-07	28.72YrCa	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	502972	3634776	6.13E-07	28.72YrCa	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	503022	3634776	6.68E-07	28.72YrCa	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	503072	3634776	7.30E-07	28.72YrCa	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	503122	3634776	8.02E-07	28.72YrCa	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	503172	3634776	8.87E-07	28.72YrCa	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	503222	3634776	9.85E-07	28.72YrCa	9.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	503272	3634776	1.10E-06	28.72YrCa	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	503322	3634776	1.24E-06	28.72YrCa	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	503372	3634776	1.41E-06	28.72YrCa	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	503422	3634776	1.61E-06	28.72YrCa	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	503472	3634776	1.85E-06	28.72YrCa	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	503522	3634776	2.13E-06	28.72YrCa	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	503572	3634776	2.47E-06	28.72YrCa	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	503622	3634776	2.83E-06	28.72YrCa	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	503672	3634776	3.19E-06	28.72YrCa	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	503722	3634776	3.50E-06	28.72YrCa	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	503772	3634776	3.69E-06	28.72YrCa	3.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	503822	3634776	3.70E-06	28.72YrCa	3.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	504622	3634776	7.21E-07	28.72YrCa	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	504672	3634776	6.47E-07	28.72YrCa	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	504722	3634776	5.96E-07	28.72YrCa	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	502722	3634826	4.13E-07	28.72YrCa	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	502772	3634826	4.41E-07	28.72YrCa	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	502822	3634826	4.72E-07	28.72YrCa	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	502872	3634826	5.07E-07	28.72YrCa	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	502922	3634826	5.46E-07	28.72YrCa	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	ALL	502972	3634826	5.90E-07	28.72YrCa	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	503022	3634826	6.40E-07	28.72YrCa	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	503072	3634826	6.96E-07	28.72YrCa	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	503122	3634826	7.62E-07	28.72YrCa	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	503172	3634826	8.36E-07	28.72YrCa	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	503222	3634826	9.23E-07	28.72YrCa	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	503272	3634826	1.02E-06	28.72YrCa	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	503322	3634826	1.14E-06	28.72YrCa	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	503372	3634826	1.28E-06	28.72YrCa	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	503422	3634826	1.44E-06	28.72YrCa	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	503472	3634826	1.63E-06	28.72YrCa	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	503522	3634826	1.83E-06	28.72YrCa	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	503572	3634826	2.06E-06	28.72YrCa	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	503622	3634826	2.29E-06	28.72YrCa	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	503672	3634826	2.51E-06	28.72YrCa	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	503722	3634826	2.68E-06	28.72YrCa	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	503772	3634826	2.78E-06	28.72YrCa	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

764	ALL	503822	3634826	2.79E-06	28.72YrCa	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	503872	3634826	2.71E-06	28.72YrCa	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	503922	3634826	2.57E-06	28.72YrCa	2.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	504672	3634826	6.44E-07	28.72YrCa	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	504722	3634826	5.83E-07	28.72YrCa	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	502722	3634876	4.01E-07	28.72YrCa	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	502772	3634876	4.27E-07	28.72YrCa	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	502822	3634876	4.57E-07	28.72YrCa	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	502872	3634876	4.89E-07	28.72YrCa	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	502922	3634876	5.25E-07	28.72YrCa	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	502972	3634876	5.65E-07	28.72YrCa	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	503022	3634876	6.11E-07	28.72YrCa	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	503072	3634876	6.63E-07	28.72YrCa	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	503122	3634876	7.21E-07	28.72YrCa	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	503172	3634876	7.87E-07	28.72YrCa	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	503222	3634876	8.64E-07	28.72YrCa	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	503272	3634876	9.52E-07	28.72YrCa	9.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	503322	3634876	1.05E-06	28.72YrCa	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	503372	3634876	1.17E-06	28.72YrCa	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	503422	3634876	1.29E-06	28.72YrCa	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	503472	3634876	1.43E-06	28.72YrCa	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	503522	3634876	1.58E-06	28.72YrCa	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	503572	3634876	1.74E-06	28.72YrCa	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	503622	3634876	1.89E-06	28.72YrCa	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	503672	3634876	2.03E-06	28.72YrCa	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	503722	3634876	2.13E-06	28.72YrCa	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	503772	3634876	2.19E-06	28.72YrCa	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	ALL	503822	3634876	2.20E-06	28.72YrCa	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	503872	3634876	2.18E-06	28.72YrCa	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	503922	3634876	2.16E-06	28.72YrCa	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	504722	3634876	5.78E-07	28.72YrCa	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	502722	3634926	3.89E-07	28.72YrCa	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	502772	3634926	4.14E-07	28.72YrCa	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	502822	3634926	4.41E-07	28.72YrCa	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	502872	3634926	4.70E-07	28.72YrCa	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	502922	3634926	5.04E-07	28.72YrCa	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	502972	3634926	5.41E-07	28.72YrCa	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	503022	3634926	5.83E-07	28.72YrCa	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	503072	3634926	6.29E-07	28.72YrCa	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	503122	3634926	6.82E-07	28.72YrCa	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	503172	3634926	7.41E-07	28.72YrCa	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	503222	3634926	8.07E-07	28.72YrCa	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	503272	3634926	8.82E-07	28.72YrCa	8.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	503322	3634926	9.66E-07	28.72YrCa	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	503372	3634926	1.06E-06	28.72YrCa	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

809	ALL	503422	3634926	1.16E-06	28.72YrCa	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	503472	3634926	1.27E-06	28.72YrCa	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	503522	3634926	1.38E-06	28.72YrCa	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	503572	3634926	1.49E-06	28.72YrCa	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	503622	3634926	1.59E-06	28.72YrCa	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	503672	3634926	1.68E-06	28.72YrCa	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	503722	3634926	1.73E-06	28.72YrCa	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	503772	3634926	1.78E-06	28.72YrCa	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	503822	3634926	1.82E-06	28.72YrCa	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	503872	3634926	1.86E-06	28.72YrCa	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	502722	3634976	3.77E-07	28.72YrCa	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	502772	3634976	3.99E-07	28.72YrCa	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	502822	3634976	4.25E-07	28.72YrCa	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	502872	3634976	4.52E-07	28.72YrCa	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	502922	3634976	4.83E-07	28.72YrCa	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	502972	3634976	5.17E-07	28.72YrCa	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	503022	3634976	5.55E-07	28.72YrCa	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	503072	3634976	5.97E-07	28.72YrCa	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	503122	3634976	6.44E-07	28.72YrCa	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	503172	3634976	6.95E-07	28.72YrCa	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	503222	3634976	7.53E-07	28.72YrCa	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	503272	3634976	8.18E-07	28.72YrCa	8.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	503322	3634976	8.88E-07	28.72YrCa	8.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	503372	3634976	9.63E-07	28.72YrCa	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	503422	3634976	1.04E-06	28.72YrCa	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	503472	3634976	1.12E-06	28.72YrCa	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
835	ALL	503522	3634976	1.21E-06	28.72YrCa	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	503572	3634976	1.29E-06	28.72YrCa	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	503622	3634976	1.36E-06	28.72YrCa	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	503672	3634976	1.43E-06	28.72YrCa	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	503722	3634976	1.45E-06	28.72YrCa	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	503772	3634976	1.51E-06	28.72YrCa	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	503822	3634976	1.55E-06	28.72YrCa	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	503872	3634976	1.51E-06	28.72YrCa	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	502722	3635026	3.64E-07	28.72YrCa	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	502772	3635026	3.86E-07	28.72YrCa	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	502822	3635026	4.09E-07	28.72YrCa	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	502872	3635026	4.35E-07	28.72YrCa	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	502922	3635026	4.63E-07	28.72YrCa	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	502972	3635026	4.94E-07	28.72YrCa	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	503022	3635026	5.28E-07	28.72YrCa	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	503072	3635026	5.66E-07	28.72YrCa	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	503122	3635026	6.07E-07	28.72YrCa	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	503172	3635026	6.53E-07	28.72YrCa	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	503222	3635026	7.03E-07	28.72YrCa	7.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

854	ALL	503272	3635026	7.57E-07	28.72YrCa	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	503322	3635026	8.15E-07	28.72YrCa	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	503372	3635026	8.76E-07	28.72YrCa	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	503422	3635026	9.39E-07	28.72YrCa	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	503472	3635026	1.00E-06	28.72YrCa	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	503522	3635026	1.07E-06	28.72YrCa	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	503572	3635026	1.13E-06	28.72YrCa	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	503622	3635026	1.18E-06	28.72YrCa	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	503672	3635026	1.22E-06	28.72YrCa	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	503722	3635026	1.26E-06	28.72YrCa	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	503772	3635026	1.29E-06	28.72YrCa	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	503822	3635026	1.32E-06	28.72YrCa	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	504372	3635026	7.57E-07	28.72YrCa	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	502722	3635076	3.52E-07	28.72YrCa	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	502772	3635076	3.72E-07	28.72YrCa	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	502822	3635076	3.94E-07	28.72YrCa	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	502872	3635076	4.17E-07	28.72YrCa	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	502922	3635076	4.43E-07	28.72YrCa	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	502972	3635076	4.71E-07	28.72YrCa	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	503022	3635076	5.02E-07	28.72YrCa	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	503072	3635076	5.36E-07	28.72YrCa	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	503122	3635076	5.73E-07	28.72YrCa	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	503172	3635076	6.13E-07	28.72YrCa	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	503222	3635076	6.56E-07	28.72YrCa	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	503272	3635076	7.01E-07	28.72YrCa	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
879	ALL	503322	3635076	7.49E-07	28.72YrCa	7.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	503372	3635076	7.99E-07	28.72YrCa	7.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	503422	3635076	8.49E-07	28.72YrCa	8.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	503472	3635076	8.99E-07	28.72YrCa	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	503522	3635076	9.48E-07	28.72YrCa	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	503572	3635076	9.93E-07	28.72YrCa	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	503622	3635076	1.03E-06	28.72YrCa	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	503672	3635076	1.06E-06	28.72YrCa	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	503722	3635076	1.09E-06	28.72YrCa	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	503772	3635076	1.13E-06	28.72YrCa	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	503822	3635076	1.12E-06	28.72YrCa	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	504372	3635076	7.02E-07	28.72YrCa	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	504422	3635076	6.60E-07	28.72YrCa	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	504472	3635076	6.21E-07	28.72YrCa	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	504522	3635076	5.88E-07	28.72YrCa	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	502722	3635126	3.40E-07	28.72YrCa	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	502772	3635126	3.59E-07	28.72YrCa	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	502822	3635126	3.78E-07	28.72YrCa	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	502872	3635126	4.00E-07	28.72YrCa	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	502922	3635126	4.24E-07	28.72YrCa	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

899	ALL	502972	3635126	4.50E-07	28.72YrCa	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	503022	3635126	4.78E-07	28.72YrCa	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	503072	3635126	5.08E-07	28.72YrCa	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	503122	3635126	5.40E-07	28.72YrCa	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	503172	3635126	5.75E-07	28.72YrCa	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	503222	3635126	6.11E-07	28.72YrCa	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	503272	3635126	6.49E-07	28.72YrCa	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	503322	3635126	6.89E-07	28.72YrCa	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	503372	3635126	7.29E-07	28.72YrCa	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	503422	3635126	7.71E-07	28.72YrCa	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	503472	3635126	8.10E-07	28.72YrCa	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	503522	3635126	8.48E-07	28.72YrCa	8.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	503572	3635126	8.74E-07	28.72YrCa	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	503622	3635126	9.08E-07	28.72YrCa	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	503672	3635126	9.31E-07	28.72YrCa	9.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	503722	3635126	9.72E-07	28.72YrCa	9.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	503772	3635126	9.95E-07	28.72YrCa	9.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	503822	3635126	9.89E-07	28.72YrCa	9.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	504372	3635126	6.53E-07	28.72YrCa	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	504422	3635126	6.16E-07	28.72YrCa	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	504472	3635126	5.82E-07	28.72YrCa	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	504522	3635126	5.52E-07	28.72YrCa	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	504572	3635126	5.25E-07	28.72YrCa	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	502722	3635176	3.29E-07	28.72YrCa	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL	502772	3635176	3.45E-07	28.72YrCa	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	502822	3635176	3.64E-07	28.72YrCa	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	502872	3635176	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	502922	3635176	4.06E-07	28.72YrCa	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	502972	3635176	4.29E-07	28.72YrCa	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	503022	3635176	4.54E-07	28.72YrCa	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	503072	3635176	4.80E-07	28.72YrCa	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	503122	3635176	5.09E-07	28.72YrCa	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	503172	3635176	5.39E-07	28.72YrCa	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	503222	3635176	5.70E-07	28.72YrCa	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	503272	3635176	6.02E-07	28.72YrCa	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	503322	3635176	6.35E-07	28.72YrCa	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	503372	3635176	6.68E-07	28.72YrCa	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	503422	3635176	7.02E-07	28.72YrCa	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	503472	3635176	7.33E-07	28.72YrCa	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	503522	3635176	7.63E-07	28.72YrCa	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	503572	3635176	7.83E-07	28.72YrCa	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	503622	3635176	8.08E-07	28.72YrCa	8.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	503672	3635176	8.34E-07	28.72YrCa	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	503722	3635176	8.70E-07	28.72YrCa	8.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	503772	3635176	8.71E-07	28.72YrCa	8.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

944	ALL	503822	3635176	8.30E-07	28.72YrCa	8.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	504372	3635176	6.07E-07	28.72YrCa	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	504422	3635176	5.76E-07	28.72YrCa	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	504472	3635176	5.47E-07	28.72YrCa	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	504522	3635176	5.20E-07	28.72YrCa	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	504572	3635176	4.95E-07	28.72YrCa	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	504622	3635176	4.74E-07	28.72YrCa	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	502722	3635226	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	502772	3635226	3.33E-07	28.72YrCa	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	502822	3635226	3.50E-07	28.72YrCa	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	502872	3635226	3.68E-07	28.72YrCa	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	502922	3635226	3.88E-07	28.72YrCa	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	502972	3635226	4.09E-07	28.72YrCa	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	503022	3635226	4.31E-07	28.72YrCa	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	503072	3635226	4.55E-07	28.72YrCa	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	503122	3635226	4.80E-07	28.72YrCa	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	503172	3635226	5.06E-07	28.72YrCa	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	503222	3635226	5.32E-07	28.72YrCa	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	503272	3635226	5.60E-07	28.72YrCa	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	503322	3635226	5.88E-07	28.72YrCa	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	503372	3635226	6.15E-07	28.72YrCa	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	503422	3635226	6.42E-07	28.72YrCa	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	503472	3635226	6.68E-07	28.72YrCa	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL	503522	3635226	6.91E-07	28.72YrCa	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	503572	3635226	7.05E-07	28.72YrCa	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	503622	3635226	7.31E-07	28.72YrCa	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	503672	3635226	7.60E-07	28.72YrCa	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	504372	3635226	5.65E-07	28.72YrCa	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	504422	3635226	5.39E-07	28.72YrCa	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	504472	3635226	5.14E-07	28.72YrCa	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	504522	3635226	4.90E-07	28.72YrCa	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	504572	3635226	4.67E-07	28.72YrCa	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	504622	3635226	4.47E-07	28.72YrCa	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	502722	3635276	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	502772	3635276	3.20E-07	28.72YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	502822	3635276	3.36E-07	28.72YrCa	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	502872	3635276	3.53E-07	28.72YrCa	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	502922	3635276	3.70E-07	28.72YrCa	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	502972	3635276	3.89E-07	28.72YrCa	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	503022	3635276	4.09E-07	28.72YrCa	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	503072	3635276	4.29E-07	28.72YrCa	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	503122	3635276	4.51E-07	28.72YrCa	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	503172	3635276	4.73E-07	28.72YrCa	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	503222	3635276	4.97E-07	28.72YrCa	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	503272	3635276	5.21E-07	28.72YrCa	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

989	ALL	503322	3635276	5.44E-07	28.72YrCa	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	503372	3635276	5.67E-07	28.72YrCa	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	503422	3635276	5.89E-07	28.72YrCa	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	503472	3635276	6.10E-07	28.72YrCa	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	503522	3635276	6.31E-07	28.72YrCa	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	503572	3635276	6.43E-07	28.72YrCa	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	503622	3635276	6.60E-07	28.72YrCa	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	504372	3635276	5.26E-07	28.72YrCa	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	504422	3635276	5.08E-07	28.72YrCa	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	504472	3635276	4.83E-07	28.72YrCa	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	504522	3635276	4.62E-07	28.72YrCa	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	504572	3635276	4.42E-07	28.72YrCa	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	504622	3635276	4.24E-07	28.72YrCa	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	504672	3635276	4.07E-07	28.72YrCa	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	502722	3635326	2.95E-07	28.72YrCa	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	502772	3635326	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	502822	3635326	3.23E-07	28.72YrCa	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	502872	3635326	3.38E-07	28.72YrCa	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	502922	3635326	3.54E-07	28.72YrCa	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	502972	3635326	3.71E-07	28.72YrCa	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	503022	3635326	3.88E-07	28.72YrCa	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	503072	3635326	4.06E-07	28.72YrCa	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1011	ALL	503122	3635326	4.25E-07	28.72YrCa	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	503172	3635326	4.45E-07	28.72YrCa	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	503222	3635326	4.65E-07	28.72YrCa	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	503272	3635326	4.85E-07	28.72YrCa	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	503322	3635326	5.05E-07	28.72YrCa	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	503372	3635326	5.24E-07	28.72YrCa	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	503422	3635326	5.42E-07	28.72YrCa	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	503472	3635326	5.60E-07	28.72YrCa	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	503522	3635326	5.77E-07	28.72YrCa	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	503572	3635326	5.91E-07	28.72YrCa	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	503622	3635326	6.00E-07	28.72YrCa	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	504372	3635326	4.98E-07	28.72YrCa	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	504422	3635326	4.76E-07	28.72YrCa	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	504472	3635326	4.54E-07	28.72YrCa	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	504522	3635326	4.36E-07	28.72YrCa	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	504572	3635326	4.19E-07	28.72YrCa	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	504622	3635326	4.03E-07	28.72YrCa	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	504672	3635326	3.87E-07	28.72YrCa	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029	ALL	504722	3635326	3.72E-07	28.72YrCa	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	502722	3635376	2.83E-07	28.72YrCa	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	502772	3635376	2.90E-07	28.72YrCa	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	502822	3635376	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033	ALL	502872	3635376	3.15E-07	28.72YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1034	ALL	502922	3635376	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	502972	3635376	3.51E-07	28.72YrCa	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	503022	3635376	3.63E-07	28.72YrCa	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	503072	3635376	3.77E-07	28.72YrCa	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	503122	3635376	3.99E-07	28.72YrCa	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	503172	3635376	4.17E-07	28.72YrCa	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	503222	3635376	4.36E-07	28.72YrCa	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	503272	3635376	4.53E-07	28.72YrCa	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	503322	3635376	4.69E-07	28.72YrCa	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	503372	3635376	4.85E-07	28.72YrCa	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	503422	3635376	5.01E-07	28.72YrCa	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	503472	3635376	5.16E-07	28.72YrCa	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	503522	3635376	5.30E-07	28.72YrCa	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	503572	3635376	5.42E-07	28.72YrCa	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	503622	3635376	5.50E-07	28.72YrCa	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049	ALL	503672	3635376	5.63E-07	28.72YrCa	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	503722	3635376	5.87E-07	28.72YrCa	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	504372	3635376	4.66E-07	28.72YrCa	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	504422	3635376	4.46E-07	28.72YrCa	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	504472	3635376	4.28E-07	28.72YrCa	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	504522	3635376	4.12E-07	28.72YrCa	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1055	ALL	504572	3635376	3.97E-07	28.72YrCa	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	504622	3635376	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	504672	3635376	3.69E-07	28.72YrCa	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	504722	3635376	3.55E-07	28.72YrCa	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	502722	3635426	2.70E-07	28.72YrCa	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	502772	3635426	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	502822	3635426	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	502872	3635426	3.01E-07	28.72YrCa	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	502922	3635426	3.14E-07	28.72YrCa	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	502972	3635426	3.29E-07	28.72YrCa	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	503022	3635426	3.43E-07	28.72YrCa	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	503072	3635426	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	503122	3635426	3.77E-07	28.72YrCa	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	503172	3635426	3.92E-07	28.72YrCa	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	503222	3635426	4.08E-07	28.72YrCa	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	503272	3635426	4.19E-07	28.72YrCa	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	503322	3635426	4.33E-07	28.72YrCa	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	503372	3635426	4.50E-07	28.72YrCa	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	503422	3635426	4.64E-07	28.72YrCa	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	503472	3635426	4.74E-07	28.72YrCa	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	503522	3635426	4.85E-07	28.72YrCa	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	503572	3635426	4.96E-07	28.72YrCa	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	503622	3635426	5.06E-07	28.72YrCa	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	503672	3635426	5.17E-07	28.72YrCa	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1079	ALL	503722	3635426	5.29E-07	28.72YrCa	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	503772	3635426	5.40E-07	28.72YrCa	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	503822	3635426	5.50E-07	28.72YrCa	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	504372	3635426	4.39E-07	28.72YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	504422	3635426	4.24E-07	28.72YrCa	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	504472	3635426	4.09E-07	28.72YrCa	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	504522	3635426	3.89E-07	28.72YrCa	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	504572	3635426	3.76E-07	28.72YrCa	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	504622	3635426	3.66E-07	28.72YrCa	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	504672	3635426	3.53E-07	28.72YrCa	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	504722	3635426	3.40E-07	28.72YrCa	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	502722	3635476	2.58E-07	28.72YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	502772	3635476	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	502822	3635476	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	502872	3635476	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	502922	3635476	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	502972	3635476	3.14E-07	28.72YrCa	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	503022	3635476	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	503072	3635476	3.40E-07	28.72YrCa	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	503122	3635476	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1099	ALL	503172	3635476	3.70E-07	28.72YrCa	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	503222	3635476	3.81E-07	28.72YrCa	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	503272	3635476	3.93E-07	28.72YrCa	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	503322	3635476	4.05E-07	28.72YrCa	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	503372	3635476	4.16E-07	28.72YrCa	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	503422	3635476	4.28E-07	28.72YrCa	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	503472	3635476	4.39E-07	28.72YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	503522	3635476	4.50E-07	28.72YrCa	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	503572	3635476	4.58E-07	28.72YrCa	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	503622	3635476	4.66E-07	28.72YrCa	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	503672	3635476	4.73E-07	28.72YrCa	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	503722	3635476	4.80E-07	28.72YrCa	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	503772	3635476	4.93E-07	28.72YrCa	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	503822	3635476	4.97E-07	28.72YrCa	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	503872	3635476	5.01E-07	28.72YrCa	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	503922	3635476	5.08E-07	28.72YrCa	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	504372	3635476	4.05E-07	28.72YrCa	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	504422	3635476	3.93E-07	28.72YrCa	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	504472	3635476	3.86E-07	28.72YrCa	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	504522	3635476	3.69E-07	28.72YrCa	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	504572	3635476	3.60E-07	28.72YrCa	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	504622	3635476	3.49E-07	28.72YrCa	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121	ALL	504672	3635476	3.37E-07	28.72YrCa	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	504722	3635476	3.30E-07	28.72YrCa	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	502222	3632976	3.46E-07	28.72YrCa	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1124	ALL	502272	3632976	3.51E-07	28.72YrCa	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	502322	3632976	3.55E-07	28.72YrCa	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	502372	3632976	3.60E-07	28.72YrCa	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127	ALL	502422	3632976	3.64E-07	28.72YrCa	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128	ALL	502472	3632976	3.68E-07	28.72YrCa	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	502522	3632976	3.71E-07	28.72YrCa	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	502572	3632976	3.74E-07	28.72YrCa	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	502622	3632976	3.78E-07	28.72YrCa	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	502672	3632976	3.82E-07	28.72YrCa	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	502722	3632976	3.87E-07	28.72YrCa	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	502772	3632976	3.92E-07	28.72YrCa	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	502822	3632976	3.74E-07	28.72YrCa	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	502872	3632976	3.62E-07	28.72YrCa	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	502922	3632976	3.65E-07	28.72YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	502972	3632976	2.66E-07	28.72YrCa	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	503022	3632976	2.68E-07	28.72YrCa	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	503072	3632976	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	503122	3632976	3.79E-07	28.72YrCa	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	503172	3632976	3.98E-07	28.72YrCa	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1143	ALL	503222	3632976	4.13E-07	28.72YrCa	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	503272	3632976	4.30E-07	28.72YrCa	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	503322	3632976	4.54E-07	28.72YrCa	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	503372	3632976	4.89E-07	28.72YrCa	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	503422	3632976	5.47E-07	28.72YrCa	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	503472	3632976	6.67E-07	28.72YrCa	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149	ALL	503622	3632976	7.63E-07	28.72YrCa	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	503672	3632976	5.14E-07	28.72YrCa	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	503722	3632976	3.89E-07	28.72YrCa	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	503772	3632976	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	503822	3632976	2.30E-07	28.72YrCa	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	503872	3632976	1.95E-07	28.72YrCa	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	503922	3632976	1.80E-07	28.72YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	503972	3632976	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	504022	3632976	1.63E-07	28.72YrCa	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	504072	3632976	1.58E-07	28.72YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	504122	3632976	1.52E-07	28.72YrCa	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	504172	3632976	1.48E-07	28.72YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	504222	3632976	1.45E-07	28.72YrCa	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	504272	3632976	1.42E-07	28.72YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	504322	3632976	1.39E-07	28.72YrCa	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	504372	3632976	1.35E-07	28.72YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	504422	3632976	1.32E-07	28.72YrCa	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	504472	3632976	1.29E-07	28.72YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	504522	3632976	1.28E-07	28.72YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	504572	3632976	1.26E-07	28.72YrCa	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1169	ALL	504622	3632976	1.25E-07	28.72YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	504672	3632976	1.23E-07	28.72YrCa	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	504722	3632976	1.23E-07	28.72YrCa	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	504772	3632976	1.22E-07	28.72YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	504822	3632976	1.21E-07	28.72YrCa	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	504872	3632976	1.20E-07	28.72YrCa	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	504922	3632976	1.19E-07	28.72YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	504972	3632976	1.18E-07	28.72YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	505022	3632976	1.17E-07	28.72YrCa	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	505072	3632976	1.16E-07	28.72YrCa	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	505122	3632976	1.16E-07	28.72YrCa	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	505172	3632976	1.17E-07	28.72YrCa	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	505222	3632976	1.17E-07	28.72YrCa	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	502222	3633026	3.10E-07	28.72YrCa	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	502272	3633026	3.18E-07	28.72YrCa	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	502322	3633026	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	502372	3633026	3.28E-07	28.72YrCa	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	502422	3633026	3.33E-07	28.72YrCa	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1187	ALL	502472	3633026	3.37E-07	28.72YrCa	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	502522	3633026	3.42E-07	28.72YrCa	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	502572	3633026	3.47E-07	28.72YrCa	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	502622	3633026	3.52E-07	28.72YrCa	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	502672	3633026	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	502722	3633026	3.62E-07	28.72YrCa	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	502772	3633026	3.67E-07	28.72YrCa	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	502822	3633026	3.48E-07	28.72YrCa	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	502872	3633026	3.43E-07	28.72YrCa	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	502922	3633026	3.40E-07	28.72YrCa	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	502972	3633026	2.55E-07	28.72YrCa	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	503022	3633026	2.81E-07	28.72YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	503072	3633026	3.44E-07	28.72YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	503122	3633026	3.69E-07	28.72YrCa	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	503172	3633026	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	503222	3633026	4.02E-07	28.72YrCa	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	503272	3633026	4.17E-07	28.72YrCa	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	503322	3633026	4.41E-07	28.72YrCa	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	503372	3633026	4.74E-07	28.72YrCa	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	503422	3633026	5.34E-07	28.72YrCa	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	503472	3633026	6.59E-07	28.72YrCa	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	503622	3633026	7.78E-07	28.72YrCa	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	503672	3633026	5.36E-07	28.72YrCa	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	503722	3633026	4.21E-07	28.72YrCa	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	503772	3633026	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	503822	3633026	2.27E-07	28.72YrCa	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	503872	3633026	1.98E-07	28.72YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1214	ALL	503922	3633026	1.84E-07	28.72YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	503972	3633026	1.75E-07	28.72YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	504022	3633026	1.68E-07	28.72YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	504072	3633026	1.62E-07	28.72YrCa	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	504122	3633026	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	504172	3633026	1.53E-07	28.72YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	504222	3633026	1.50E-07	28.72YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	504272	3633026	1.47E-07	28.72YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	504322	3633026	1.44E-07	28.72YrCa	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	504372	3633026	1.40E-07	28.72YrCa	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	504422	3633026	1.37E-07	28.72YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	504472	3633026	1.35E-07	28.72YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	504522	3633026	1.33E-07	28.72YrCa	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	504572	3633026	1.31E-07	28.72YrCa	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	504622	3633026	1.30E-07	28.72YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	504672	3633026	1.29E-07	28.72YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	504722	3633026	1.28E-07	28.72YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1231	ALL	504772	3633026	1.27E-07	28.72YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	504822	3633026	1.27E-07	28.72YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	504872	3633026	1.26E-07	28.72YrCa	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	504922	3633026	1.26E-07	28.72YrCa	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	504972	3633026	1.24E-07	28.72YrCa	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	505022	3633026	1.23E-07	28.72YrCa	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	505072	3633026	1.22E-07	28.72YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	505122	3633026	1.22E-07	28.72YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	505172	3633026	1.23E-07	28.72YrCa	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	505222	3633026	1.24E-07	28.72YrCa	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	502222	3633076	2.88E-07	28.72YrCa	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	502272	3633076	2.95E-07	28.72YrCa	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	502322	3633076	3.01E-07	28.72YrCa	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	502372	3633076	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	502422	3633076	3.12E-07	28.72YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	502472	3633076	3.16E-07	28.72YrCa	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	502522	3633076	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	502572	3633076	3.28E-07	28.72YrCa	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	502622	3633076	3.33E-07	28.72YrCa	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	502672	3633076	3.39E-07	28.72YrCa	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	502722	3633076	3.45E-07	28.72YrCa	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	502772	3633076	3.51E-07	28.72YrCa	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	502822	3633076	3.39E-07	28.72YrCa	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	502872	3633076	3.35E-07	28.72YrCa	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	502922	3633076	3.32E-07	28.72YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	502972	3633076	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	503022	3633076	3.34E-07	28.72YrCa	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	503072	3633076	3.45E-07	28.72YrCa	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1259	ALL	503122	3633076	3.62E-07	28.72YrCa	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	503172	3633076	3.78E-07	28.72YrCa	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	503222	3633076	4.00E-07	28.72YrCa	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	503272	3633076	4.13E-07	28.72YrCa	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	503322	3633076	4.35E-07	28.72YrCa	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	503372	3633076	4.68E-07	28.72YrCa	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	503422	3633076	5.28E-07	28.72YrCa	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	503472	3633076	6.56E-07	28.72YrCa	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	503622	3633076	7.85E-07	28.72YrCa	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	503672	3633076	5.27E-07	28.72YrCa	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	503722	3633076	4.09E-07	28.72YrCa	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	503772	3633076	2.84E-07	28.72YrCa	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	503822	3633076	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	503872	3633076	2.01E-07	28.72YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	503922	3633076	1.90E-07	28.72YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	503972	3633076	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1275	ALL	504022	3633076	1.74E-07	28.72YrCa	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	504072	3633076	1.68E-07	28.72YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	504122	3633076	1.64E-07	28.72YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	504172	3633076	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	504222	3633076	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	504272	3633076	1.53E-07	28.72YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	504322	3633076	1.51E-07	28.72YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	504372	3633076	1.46E-07	28.72YrCa	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	504422	3633076	1.43E-07	28.72YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284	ALL	504472	3633076	1.41E-07	28.72YrCa	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	504522	3633076	1.38E-07	28.72YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	504572	3633076	1.37E-07	28.72YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	504622	3633076	1.35E-07	28.72YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	504672	3633076	1.34E-07	28.72YrCa	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	504722	3633076	1.34E-07	28.72YrCa	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	504772	3633076	1.34E-07	28.72YrCa	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	504822	3633076	1.33E-07	28.72YrCa	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	504872	3633076	1.33E-07	28.72YrCa	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293	ALL	504922	3633076	1.33E-07	28.72YrCa	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	504972	3633076	1.31E-07	28.72YrCa	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	505022	3633076	1.30E-07	28.72YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	505072	3633076	1.29E-07	28.72YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	505122	3633076	1.28E-07	28.72YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	505172	3633076	1.29E-07	28.72YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299	ALL	505222	3633076	1.30E-07	28.72YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1300	ALL	502222	3633126	2.73E-07	28.72YrCa	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1301	ALL	502272	3633126	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1302	ALL	502322	3633126	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1303	ALL	502372	3633126	2.91E-07	28.72YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1304	ALL	502422	3633126	2.97E-07	28.72YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1305	ALL	502472	3633126	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1306	ALL	502522	3633126	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1307	ALL	502572	3633126	3.14E-07	28.72YrCa	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1308	ALL	502622	3633126	3.21E-07	28.72YrCa	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1309	ALL	502672	3633126	3.27E-07	28.72YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1310	ALL	502722	3633126	3.34E-07	28.72YrCa	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1311	ALL	502772	3633126	3.42E-07	28.72YrCa	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1312	ALL	502822	3633126	3.49E-07	28.72YrCa	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1313	ALL	502872	3633126	3.33E-07	28.72YrCa	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1314	ALL	502922	3633126	3.35E-07	28.72YrCa	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1315	ALL	502972	3633126	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1316	ALL	503022	3633126	3.34E-07	28.72YrCa	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1317	ALL	503072	3633126	3.47E-07	28.72YrCa	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1318	ALL	503122	3633126	3.62E-07	28.72YrCa	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1319	ALL	503172	3633126	3.81E-07	28.72YrCa	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1320	ALL	503222	3633126	3.99E-07	28.72YrCa	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1321	ALL	503272	3633126	4.15E-07	28.72YrCa	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1322	ALL	503322	3633126	4.39E-07	28.72YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1323	ALL	503372	3633126	4.69E-07	28.72YrCa	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1324	ALL	503422	3633126	5.28E-07	28.72YrCa	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1325	ALL	503472	3633126	6.57E-07	28.72YrCa	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1326	ALL	503622	3633126	7.75E-07	28.72YrCa	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1327	ALL	503672	3633126	4.94E-07	28.72YrCa	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1328	ALL	503722	3633126	3.87E-07	28.72YrCa	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1329	ALL	503772	3633126	2.75E-07	28.72YrCa	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1330	ALL	503822	3633126	2.31E-07	28.72YrCa	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1331	ALL	503872	3633126	2.08E-07	28.72YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1332	ALL	503922	3633126	1.97E-07	28.72YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1333	ALL	503972	3633126	1.89E-07	28.72YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1334	ALL	504022	3633126	1.80E-07	28.72YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1335	ALL	504072	3633126	1.75E-07	28.72YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1336	ALL	504122	3633126	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1337	ALL	504172	3633126	1.68E-07	28.72YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1338	ALL	504222	3633126	1.64E-07	28.72YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1339	ALL	504272	3633126	1.61E-07	28.72YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1340	ALL	504322	3633126	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1341	ALL	504372	3633126	1.54E-07	28.72YrCa	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1342	ALL	504422	3633126	1.51E-07	28.72YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1343	ALL	504472	3633126	1.47E-07	28.72YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1344	ALL	504522	3633126	1.45E-07	28.72YrCa	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1345	ALL	504572	3633126	1.43E-07	28.72YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1346	ALL	504622	3633126	1.42E-07	28.72YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1347	ALL	504672	3633126	1.42E-07	28.72YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1348	ALL	504722	3633126	1.41E-07	28.72YrCa	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1349	ALL	504772	3633126	1.41E-07	28.72YrCa	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1350	ALL	504822	3633126	1.41E-07	28.72YrCa	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1351	ALL	504872	3633126	1.41E-07	28.72YrCa	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1352	ALL	504922	3633126	1.42E-07	28.72YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1353	ALL	504972	3633126	1.40E-07	28.72YrCa	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1354	ALL	505022	3633126	1.37E-07	28.72YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1355	ALL	505072	3633126	1.35E-07	28.72YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1356	ALL	505122	3633126	1.35E-07	28.72YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1357	ALL	505172	3633126	1.36E-07	28.72YrCa	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1358	ALL	505222	3633126	1.37E-07	28.72YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1359	ALL	502222	3633176	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1360	ALL	502272	3633176	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1361	ALL	502322	3633176	2.73E-07	28.72YrCa	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1362	ALL	502372	3633176	2.80E-07	28.72YrCa	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1363	ALL	502422	3633176	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1364	ALL	502472	3633176	2.93E-07	28.72YrCa	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1365	ALL	502522	3633176	2.99E-07	28.72YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1366	ALL	502572	3633176	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1367	ALL	502622	3633176	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1368	ALL	502672	3633176	3.20E-07	28.72YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1369	ALL	502722	3633176	3.28E-07	28.72YrCa	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1370	ALL	502772	3633176	3.28E-07	28.72YrCa	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1371	ALL	502822	3633176	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1372	ALL	502872	3633176	3.43E-07	28.72YrCa	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1373	ALL	502922	3633176	3.37E-07	28.72YrCa	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1374	ALL	502972	3633176	3.44E-07	28.72YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1375	ALL	503022	3633176	3.47E-07	28.72YrCa	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1376	ALL	503072	3633176	3.60E-07	28.72YrCa	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1377	ALL	503122	3633176	3.69E-07	28.72YrCa	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1378	ALL	503172	3633176	3.89E-07	28.72YrCa	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1379	ALL	503222	3633176	3.99E-07	28.72YrCa	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1380	ALL	503272	3633176	4.15E-07	28.72YrCa	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1381	ALL	503322	3633176	4.42E-07	28.72YrCa	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1382	ALL	503372	3633176	4.72E-07	28.72YrCa	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1383	ALL	503422	3633176	5.32E-07	28.72YrCa	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1384	ALL	503472	3633176	6.64E-07	28.72YrCa	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1385	ALL	503622	3633176	6.56E-07	28.72YrCa	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1386	ALL	503672	3633176	4.85E-07	28.72YrCa	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1387	ALL	503722	3633176	3.50E-07	28.72YrCa	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1388	ALL	503772	3633176	2.71E-07	28.72YrCa	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1389	ALL	503822	3633176	2.34E-07	28.72YrCa	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1390	ALL	503872	3633176	2.14E-07	28.72YrCa	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1391	ALL	503922	3633176	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1392	ALL	503972	3633176	1.97E-07	28.72YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1393	ALL	504022	3633176	1.88E-07	28.72YrCa	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1394	ALL	504072	3633176	1.83E-07	28.72YrCa	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1395	ALL	504122	3633176	1.80E-07	28.72YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1396	ALL	504172	3633176	1.78E-07	28.72YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1397	ALL	504222	3633176	1.73E-07	28.72YrCa	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1398	ALL	504272	3633176	1.69E-07	28.72YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1399	ALL	504322	3633176	1.65E-07	28.72YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1400	ALL	504372	3633176	1.64E-07	28.72YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1401	ALL	504422	3633176	1.59E-07	28.72YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1402	ALL	504472	3633176	1.55E-07	28.72YrCa	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1403	ALL	504522	3633176	1.52E-07	28.72YrCa	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1404	ALL	504572	3633176	1.51E-07	28.72YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1405	ALL	504622	3633176	1.50E-07	28.72YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1406	ALL	504672	3633176	1.50E-07	28.72YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1407	ALL	504722	3633176	1.50E-07	28.72YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1408	ALL	504772	3633176	1.49E-07	28.72YrCa	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1409	ALL	504822	3633176	1.48E-07	28.72YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1410	ALL	504872	3633176	1.49E-07	28.72YrCa	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1411	ALL	504922	3633176	1.51E-07	28.72YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1412	ALL	504972	3633176	1.48E-07	28.72YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1413	ALL	505022	3633176	1.45E-07	28.72YrCa	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1414	ALL	505072	3633176	1.43E-07	28.72YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1415	ALL	505122	3633176	1.42E-07	28.72YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1416	ALL	505172	3633176	1.42E-07	28.72YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1417	ALL	505222	3633176	1.43E-07	28.72YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1418	ALL	502222	3633226	2.52E-07	28.72YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1419	ALL	502272	3633226	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1420	ALL	502322	3633226	2.65E-07	28.72YrCa	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1421	ALL	502372	3633226	2.72E-07	28.72YrCa	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1422	ALL	502422	3633226	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1423	ALL	502472	3633226	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1424	ALL	502522	3633226	2.93E-07	28.72YrCa	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1425	ALL	502572	3633226	3.00E-07	28.72YrCa	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1426	ALL	502622	3633226	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1427	ALL	502672	3633226	3.16E-07	28.72YrCa	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1428	ALL	502722	3633226	3.24E-07	28.72YrCa	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1429	ALL	502772	3633226	3.32E-07	28.72YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1430	ALL	502822	3633226	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1431	ALL	502872	3633226	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1432	ALL	502922	3633226	3.44E-07	28.72YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1433	ALL	502972	3633226	3.59E-07	28.72YrCa	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1434	ALL	503022	3633226	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1435	ALL	503072	3633226	3.69E-07	28.72YrCa	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1436	ALL	503122	3633226	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1437	ALL	503172	3633226	3.95E-07	28.72YrCa	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1438	ALL	503222	3633226	4.06E-07	28.72YrCa	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1439	ALL	503272	3633226	4.23E-07	28.72YrCa	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1440	ALL	503322	3633226	4.44E-07	28.72YrCa	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1441	ALL	503372	3633226	4.74E-07	28.72YrCa	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1442	ALL	503422	3633226	5.40E-07	28.72YrCa	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1443	ALL	503472	3633226	6.79E-07	28.72YrCa	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1444	ALL	503622	3633226	6.58E-07	28.72YrCa	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1445	ALL	503672	3633226	4.61E-07	28.72YrCa	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1446	ALL	503722	3633226	3.39E-07	28.72YrCa	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1447	ALL	503772	3633226	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1448	ALL	503822	3633226	2.40E-07	28.72YrCa	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1449	ALL	503872	3633226	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1450	ALL	503922	3633226	2.13E-07	28.72YrCa	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1451	ALL	503972	3633226	2.06E-07	28.72YrCa	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1452	ALL	504022	3633226	1.99E-07	28.72YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1453	ALL	504072	3633226	1.95E-07	28.72YrCa	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1454	ALL	504122	3633226	1.92E-07	28.72YrCa	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1455	ALL	504172	3633226	1.89E-07	28.72YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1456	ALL	504222	3633226	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1457	ALL	504272	3633226	1.78E-07	28.72YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1458	ALL	504322	3633226	1.76E-07	28.72YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1459	ALL	504372	3633226	1.74E-07	28.72YrCa	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1460	ALL	504422	3633226	1.69E-07	28.72YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1461	ALL	504472	3633226	1.64E-07	28.72YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1462	ALL	504522	3633226	1.61E-07	28.72YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1463	ALL	504572	3633226	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1464	ALL	504622	3633226	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1465	ALL	504672	3633226	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1466	ALL	504722	3633226	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1467	ALL	504772	3633226	1.59E-07	28.72YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1468	ALL	504822	3633226	1.59E-07	28.72YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1469	ALL	504872	3633226	1.59E-07	28.72YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1470	ALL	504922	3633226	1.61E-07	28.72YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1471	ALL	504972	3633226	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1472	ALL	505022	3633226	1.54E-07	28.72YrCa	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1473	ALL	505072	3633226	1.52E-07	28.72YrCa	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1474	ALL	505122	3633226	1.50E-07	28.72YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1475	ALL	505172	3633226	1.49E-07	28.72YrCa	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1476	ALL	505222	3633226	1.49E-07	28.72YrCa	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1477	ALL	502222	3633276	2.46E-07	28.72YrCa	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1478	ALL	502272	3633276	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1479	ALL	502322	3633276	2.60E-07	28.72YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1480	ALL	502372	3633276	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1481	ALL	502422	3633276	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1482	ALL	502472	3633276	2.81E-07	28.72YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1483	ALL	502522	3633276	2.88E-07	28.72YrCa	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1484	ALL	502572	3633276	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1485	ALL	502622	3633276	3.05E-07	28.72YrCa	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1486	ALL	502672	3633276	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1487	ALL	502722	3633276	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1488	ALL	502772	3633276	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1489	ALL	502822	3633276	3.07E-07	28.72YrCa	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1490	ALL	502872	3633276	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1491	ALL	502922	3633276	3.52E-07	28.72YrCa	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1492	ALL	502972	3633276	3.64E-07	28.72YrCa	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1493	ALL	503022	3633276	3.63E-07	28.72YrCa	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1494	ALL	503072	3633276	3.88E-07	28.72YrCa	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1495	ALL	503122	3633276	4.05E-07	28.72YrCa	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1496	ALL	503172	3633276	4.21E-07	28.72YrCa	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1497	ALL	503222	3633276	4.20E-07	28.72YrCa	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1498	ALL	503272	3633276	4.25E-07	28.72YrCa	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1499	ALL	503322	3633276	4.51E-07	28.72YrCa	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1500	ALL	503372	3633276	4.83E-07	28.72YrCa	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1501	ALL	503422	3633276	5.49E-07	28.72YrCa	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1502	ALL	503472	3633276	5.06E-07	28.72YrCa	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1503	ALL	503622	3633276	5.72E-07	28.72YrCa	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1504	ALL	503672	3633276	4.31E-07	28.72YrCa	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1505	ALL	503722	3633276	3.32E-07	28.72YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1506	ALL	503772	3633276	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1507	ALL	503822	3633276	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1508	ALL	503872	3633276	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1509	ALL	503922	3633276	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1510	ALL	503972	3633276	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1511	ALL	504022	3633276	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1512	ALL	504072	3633276	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1513	ALL	504122	3633276	2.08E-07	28.72YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1514	ALL	504172	3633276	2.00E-07	28.72YrCa	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1515	ALL	504222	3633276	1.92E-07	28.72YrCa	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1516	ALL	504272	3633276	1.88E-07	28.72YrCa	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1517	ALL	504322	3633276	1.89E-07	28.72YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1518	ALL	504372	3633276	1.89E-07	28.72YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1519	ALL	504422	3633276	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1520	ALL	504472	3633276	1.76E-07	28.72YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1521	ALL	504522	3633276	1.72E-07	28.72YrCa	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1522	ALL	504572	3633276	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1523	ALL	504622	3633276	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1524	ALL	504672	3633276	1.72E-07	28.72YrCa	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1525	ALL	504722	3633276	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1526	ALL	504772	3633276	1.68E-07	28.72YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1527	ALL	504822	3633276	1.68E-07	28.72YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1528	ALL	504872	3633276	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1529	ALL	504922	3633276	1.73E-07	28.72YrCa	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1530	ALL	504972	3633276	1.69E-07	28.72YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1531	ALL	505022	3633276	1.65E-07	28.72YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1532	ALL	505072	3633276	1.63E-07	28.72YrCa	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1533	ALL	505122	3633276	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1534	ALL	505172	3633276	1.56E-07	28.72YrCa	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1535	ALL	505222	3633276	1.55E-07	28.72YrCa	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1536	ALL	502222	3633326	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1537	ALL	502272	3633326	2.48E-07	28.72YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1538	ALL	502322	3633326	2.56E-07	28.72YrCa	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1539	ALL	502372	3633326	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1540	ALL	502422	3633326	2.70E-07	28.72YrCa	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1541	ALL	502472	3633326	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1542	ALL	502522	3633326	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1543	ALL	502572	3633326	2.94E-07	28.72YrCa	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1544	ALL	502622	3633326	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1545	ALL	502672	3633326	3.12E-07	28.72YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1546	ALL	502722	3633326	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1547	ALL	502772	3633326	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1548	ALL	502822	3633326	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1549	ALL	502872	3633326	3.54E-07	28.72YrCa	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1550	ALL	502922	3633326	3.65E-07	28.72YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1551	ALL	502972	3633326	3.74E-07	28.72YrCa	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1552	ALL	503022	3633326	3.81E-07	28.72YrCa	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1553	ALL	503072	3633326	4.03E-07	28.72YrCa	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1554	ALL	503122	3633326	4.24E-07	28.72YrCa	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1555	ALL	503172	3633326	4.43E-07	28.72YrCa	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1556	ALL	503222	3633326	4.52E-07	28.72YrCa	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1557	ALL	503272	3633326	4.31E-07	28.72YrCa	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1558	ALL	503322	3633326	4.58E-07	28.72YrCa	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1559	ALL	503372	3633326	4.89E-07	28.72YrCa	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1560	ALL	503422	3633326	5.27E-07	28.72YrCa	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1561	ALL	503472	3633326	4.17E-07	28.72YrCa	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1562	ALL	503622	3633326	5.27E-07	28.72YrCa	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1563	ALL	503672	3633326	4.11E-07	28.72YrCa	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1564	ALL	503722	3633326	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1565	ALL	503772	3633326	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1566	ALL	503822	3633326	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1567	ALL	503872	3633326	2.44E-07	28.72YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1568	ALL	503922	3633326	2.43E-07	28.72YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1569	ALL	503972	3633326	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1570	ALL	504022	3633326	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1571	ALL	504072	3633326	2.27E-07	28.72YrCa	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1572	ALL	504122	3633326	2.28E-07	28.72YrCa	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1573	ALL	504172	3633326	2.14E-07	28.72YrCa	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1574	ALL	504222	3633326	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1575	ALL	504272	3633326	2.03E-07	28.72YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1576	ALL	504322	3633326	2.07E-07	28.72YrCa	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1577	ALL	504372	3633326	2.08E-07	28.72YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1578	ALL	504422	3633326	1.97E-07	28.72YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1579	ALL	504472	3633326	1.89E-07	28.72YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1580	ALL	504522	3633326	1.85E-07	28.72YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1581	ALL	504572	3633326	1.84E-07	28.72YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1582	ALL	504622	3633326	1.85E-07	28.72YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1583	ALL	504672	3633326	1.87E-07	28.72YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1584	ALL	504722	3633326	1.84E-07	28.72YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1585	ALL	504772	3633326	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1586	ALL	504822	3633326	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1587	ALL	504872	3633326	1.84E-07	28.72YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1588	ALL	504922	3633326	1.87E-07	28.72YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1589	ALL	504972	3633326	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1590	ALL	505022	3633326	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1591	ALL	505072	3633326	1.76E-07	28.72YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1592	ALL	505122	3633326	1.69E-07	28.72YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1593	ALL	505172	3633326	1.64E-07	28.72YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1594	ALL	505222	3633326	1.63E-07	28.72YrCa	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1595	ALL	502222	3633376	2.38E-07	28.72YrCa	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1596	ALL	502272	3633376	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1597	ALL	502322	3633376	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1598	ALL	502372	3633376	2.60E-07	28.72YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1599	ALL	502422	3633376	2.68E-07	28.72YrCa	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1600	ALL	502472	3633376	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1601	ALL	502522	3633376	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1602	ALL	502572	3633376	2.94E-07	28.72YrCa	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1603	ALL	502622	3633376	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1604	ALL	502672	3633376	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1605	ALL	502722	3633376	3.23E-07	28.72YrCa	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1606	ALL	502772	3633376	3.34E-07	28.72YrCa	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1607	ALL	502822	3633376	3.45E-07	28.72YrCa	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1608	ALL	502872	3633376	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1609	ALL	502922	3633376	3.70E-07	28.72YrCa	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1610	ALL	502972	3633376	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1611	ALL	503022	3633376	3.99E-07	28.72YrCa	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1612	ALL	503072	3633376	4.16E-07	28.72YrCa	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1613	ALL	503122	3633376	4.34E-07	28.72YrCa	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1614	ALL	503172	3633376	4.54E-07	28.72YrCa	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1615	ALL	503222	3633376	4.72E-07	28.72YrCa	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1616	ALL	503272	3633376	4.91E-07	28.72YrCa	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1617	ALL	503322	3633376	4.92E-07	28.72YrCa	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1618	ALL	503372	3633376	5.00E-07	28.72YrCa	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1619	ALL	503422	3633376	4.56E-07	28.72YrCa	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1620	ALL	503472	3633376	5.04E-07	28.72YrCa	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1621	ALL	503622	3633376	5.59E-07	28.72YrCa	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1622	ALL	503672	3633376	4.25E-07	28.72YrCa	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1623	ALL	503722	3633376	3.44E-07	28.72YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1624	ALL	503772	3633376	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1625	ALL	503822	3633376	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1626	ALL	503872	3633376	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1627	ALL	503922	3633376	2.69E-07	28.72YrCa	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1628	ALL	503972	3633376	2.77E-07	28.72YrCa	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1629	ALL	504022	3633376	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1630	ALL	504072	3633376	2.48E-07	28.72YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1631	ALL	504122	3633376	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1632	ALL	504172	3633376	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1633	ALL	504222	3633376	2.22E-07	28.72YrCa	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1634	ALL	504272	3633376	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1635	ALL	504322	3633376	2.32E-07	28.72YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1636	ALL	504372	3633376	2.31E-07	28.72YrCa	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1637	ALL	504422	3633376	2.15E-07	28.72YrCa	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1638	ALL	504472	3633376	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1639	ALL	504522	3633376	1.99E-07	28.72YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1640	ALL	504572	3633376	2.00E-07	28.72YrCa	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1641	ALL	504622	3633376	2.01E-07	28.72YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1642	ALL	504672	3633376	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1643	ALL	504722	3633376	1.99E-07	28.72YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1644	ALL	504772	3633376	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1645	ALL	504822	3633376	1.94E-07	28.72YrCa	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1646	ALL	504872	3633376	2.02E-07	28.72YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1647	ALL	504922	3633376	2.02E-07	28.72YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1648	ALL	504972	3633376	1.98E-07	28.72YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1649	ALL	505022	3633376	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1650	ALL	505072	3633376	1.86E-07	28.72YrCa	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1651	ALL	505122	3633376	1.77E-07	28.72YrCa	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1652	ALL	505172	3633376	1.72E-07	28.72YrCa	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1653	ALL	505222	3633376	1.72E-07	28.72YrCa	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1654	ALL	502222	3633426	2.36E-07	28.72YrCa	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1655	ALL	502272	3633426	2.43E-07	28.72YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1656	ALL	502322	3633426	2.50E-07	28.72YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1657	ALL	502372	3633426	2.58E-07	28.72YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1658	ALL	502422	3633426	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1659	ALL	502472	3633426	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1660	ALL	502522	3633426	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1661	ALL	502572	3633426	2.94E-07	28.72YrCa	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1662	ALL	502622	3633426	3.04E-07	28.72YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1663	ALL	502672	3633426	3.14E-07	28.72YrCa	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1664	ALL	502722	3633426	3.25E-07	28.72YrCa	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1665	ALL	502772	3633426	3.37E-07	28.72YrCa	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1666	ALL	502822	3633426	3.49E-07	28.72YrCa	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1667	ALL	502872	3633426	3.63E-07	28.72YrCa	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1668	ALL	502922	3633426	3.77E-07	28.72YrCa	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1669	ALL	502972	3633426	3.92E-07	28.72YrCa	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1670	ALL	503022	3633426	4.08E-07	28.72YrCa	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1671	ALL	503072	3633426	4.26E-07	28.72YrCa	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1672	ALL	503122	3633426	4.45E-07	28.72YrCa	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1673	ALL	503172	3633426	4.67E-07	28.72YrCa	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1674	ALL	503222	3633426	4.92E-07	28.72YrCa	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1675	ALL	503272	3633426	5.13E-07	28.72YrCa	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1676	ALL	503322	3633426	5.06E-07	28.72YrCa	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1677	ALL	503372	3633426	4.91E-07	28.72YrCa	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1678	ALL	503422	3633426	4.93E-07	28.72YrCa	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1679	ALL	503472	3633426	5.91E-07	28.72YrCa	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1680	ALL	503622	3633426	6.84E-07	28.72YrCa	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1681	ALL	503672	3633426	4.81E-07	28.72YrCa	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1682	ALL	503722	3633426	3.75E-07	28.72YrCa	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1683	ALL	503772	3633426	3.32E-07	28.72YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1684	ALL	503822	3633426	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1685	ALL	503872	3633426	2.99E-07	28.72YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1686	ALL	503922	3633426	3.09E-07	28.72YrCa	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1687	ALL	503972	3633426	3.07E-07	28.72YrCa	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1688	ALL	504022	3633426	2.88E-07	28.72YrCa	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1689	ALL	504072	3633426	2.75E-07	28.72YrCa	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1690	ALL	504122	3633426	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1691	ALL	504172	3633426	2.55E-07	28.72YrCa	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1692	ALL	504222	3633426	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1693	ALL	504272	3633426	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1694	ALL	504322	3633426	2.70E-07	28.72YrCa	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1695	ALL	504372	3633426	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1696	ALL	504422	3633426	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1697	ALL	504472	3633426	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1698	ALL	504522	3633426	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1699	ALL	504572	3633426	2.18E-07	28.72YrCa	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1700	ALL	504622	3633426	2.22E-07	28.72YrCa	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1701	ALL	504672	3633426	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1702	ALL	504722	3633426	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1703	ALL	504772	3633426	2.14E-07	28.72YrCa	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1704	ALL	504822	3633426	2.11E-07	28.72YrCa	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1705	ALL	504872	3633426	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1706	ALL	504922	3633426	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1707	ALL	504972	3633426	2.11E-07	28.72YrCa	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1708	ALL	505022	3633426	1.99E-07	28.72YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1709	ALL	505072	3633426	1.91E-07	28.72YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1710	ALL	505122	3633426	1.85E-07	28.72YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1711	ALL	505172	3633426	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1712	ALL	505222	3633426	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1713	ALL	502222	3633476	2.34E-07	28.72YrCa	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1714	ALL	502272	3633476	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1715	ALL	502322	3633476	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1716	ALL	502372	3633476	2.58E-07	28.72YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1717	ALL	502422	3633476	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1718	ALL	502472	3633476	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1719	ALL	502522	3633476	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1720	ALL	502572	3633476	2.95E-07	28.72YrCa	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1721	ALL	502622	3633476	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1722	ALL	502672	3633476	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1723	ALL	504772	3633476	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1724	ALL	504822	3633476	2.43E-07	28.72YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1725	ALL	504872	3633476	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1726	ALL	504922	3633476	2.36E-07	28.72YrCa	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1727	ALL	504972	3633476	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1728	ALL	505022	3633476	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1729	ALL	505072	3633476	2.00E-07	28.72YrCa	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1730	ALL	505122	3633476	1.95E-07	28.72YrCa	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1731	ALL	505172	3633476	1.90E-07	28.72YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1732	ALL	505222	3633476	1.90E-07	28.72YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1733	ALL	502222	3633526	2.34E-07	28.72YrCa	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1734	ALL	502272	3633526	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1735	ALL	502322	3633526	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1736	ALL	502372	3633526	2.58E-07	28.72YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1737	ALL	502422	3633526	2.68E-07	28.72YrCa	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1738	ALL	502472	3633526	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1739	ALL	502522	3633526	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1740	ALL	502572	3633526	2.97E-07	28.72YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1741	ALL	502622	3633526	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1742	ALL	502672	3633526	3.20E-07	28.72YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1743	ALL	504772	3633526	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1744	ALL	504822	3633526	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1745	ALL	504872	3633526	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1746	ALL	504922	3633526	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1747	ALL	504972	3633526	2.43E-07	28.72YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1748	ALL	505022	3633526	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1749	ALL	505072	3633526	2.14E-07	28.72YrCa	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1750	ALL	505122	3633526	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1751	ALL	505172	3633526	1.99E-07	28.72YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1752	ALL	505222	3633526	1.97E-07	28.72YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1753	ALL	502222	3633576	2.34E-07	28.72YrCa	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1754	ALL	502272	3633576	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1755	ALL	502322	3633576	2.50E-07	28.72YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1756	ALL	502372	3633576	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1757	ALL	502422	3633576	2.69E-07	28.72YrCa	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1758	ALL	502472	3633576	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1759	ALL	502522	3633576	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1760	ALL	502572	3633576	3.00E-07	28.72YrCa	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1761	ALL	502622	3633576	3.12E-07	28.72YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1762	ALL	502672	3633576	3.24E-07	28.72YrCa	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1763	ALL	504772	3633576	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1764	ALL	504822	3633576	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1765	ALL	504872	3633576	2.69E-07	28.72YrCa	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1766	ALL	504922	3633576	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1767	ALL	504972	3633576	2.58E-07	28.72YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1768	ALL	505022	3633576	2.48E-07	28.72YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1769	ALL	505072	3633576	2.30E-07	28.72YrCa	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1770	ALL	505122	3633576	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1771	ALL	505172	3633576	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1772	ALL	505222	3633576	2.08E-07	28.72YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1773	ALL	502222	3633626	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1774	ALL	502272	3633626	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1775	ALL	502322	3633626	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1776	ALL	502372	3633626	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1777	ALL	502422	3633626	2.71E-07	28.72YrCa	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1778	ALL	502472	3633626	2.81E-07	28.72YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1779	ALL	502522	3633626	2.92E-07	28.72YrCa	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1780	ALL	502572	3633626	3.04E-07	28.72YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1781	ALL	502622	3633626	3.16E-07	28.72YrCa	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1782	ALL	502672	3633626	3.30E-07	28.72YrCa	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1783	ALL	504772	3633626	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1784	ALL	504822	3633626	2.98E-07	28.72YrCa	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1785	ALL	504872	3633626	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1786	ALL	504922	3633626	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1787	ALL	504972	3633626	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1788	ALL	505022	3633626	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1789	ALL	505072	3633626	2.44E-07	28.72YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1790	ALL	505122	3633626	2.28E-07	28.72YrCa	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1791	ALL	505172	3633626	2.19E-07	28.72YrCa	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1792	ALL	505222	3633626	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1793	ALL	502222	3633676	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1794	ALL	502272	3633676	2.43E-07	28.72YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1795	ALL	502322	3633676	2.52E-07	28.72YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1796	ALL	502372	3633676	2.62E-07	28.72YrCa	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1797	ALL	502422	3633676	2.73E-07	28.72YrCa	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1798	ALL	502472	3633676	2.84E-07	28.72YrCa	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1799	ALL	502522	3633676	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1800	ALL	502572	3633676	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1801	ALL	502622	3633676	3.21E-07	28.72YrCa	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1802	ALL	502672	3633676	3.35E-07	28.72YrCa	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1803	ALL	504772	3633676	3.24E-07	28.72YrCa	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1804	ALL	504822	3633676	3.18E-07	28.72YrCa	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1805	ALL	504872	3633676	3.11E-07	28.72YrCa	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1806	ALL	504922	3633676	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1807	ALL	504972	3633676	2.92E-07	28.72YrCa	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1808	ALL	505022	3633676	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1809	ALL	505072	3633676	2.55E-07	28.72YrCa	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1810	ALL	505122	3633676	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1811	ALL	505172	3633676	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1812	ALL	505222	3633676	2.21E-07	28.72YrCa	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1813	ALL	502222	3633726	2.36E-07	28.72YrCa	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1814	ALL	502272	3633726	2.44E-07	28.72YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1815	ALL	502322	3633726	2.54E-07	28.72YrCa	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1816	ALL	502372	3633726	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1817	ALL	502422	3633726	2.75E-07	28.72YrCa	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1818	ALL	502472	3633726	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1819	ALL	502522	3633726	2.99E-07	28.72YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1820	ALL	502572	3633726	3.12E-07	28.72YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1821	ALL	502622	3633726	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1822	ALL	502672	3633726	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1823	ALL	504772	3633726	3.65E-07	28.72YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1824	ALL	504822	3633726	3.45E-07	28.72YrCa	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1825	ALL	504872	3633726	3.36E-07	28.72YrCa	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1826	ALL	504922	3633726	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1827	ALL	504972	3633726	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1828	ALL	505022	3633726	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1829	ALL	505072	3633726	2.58E-07	28.72YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1830	ALL	505122	3633726	2.38E-07	28.72YrCa	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1831	ALL	505172	3633726	2.30E-07	28.72YrCa	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1832	ALL	505222	3633726	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1833	ALL	502222	3633776	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1834	ALL	502272	3633776	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1835	ALL	502322	3633776	2.56E-07	28.72YrCa	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1836	ALL	502372	3633776	2.66E-07	28.72YrCa	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1837	ALL	502422	3633776	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1838	ALL	502472	3633776	2.90E-07	28.72YrCa	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1839	ALL	502522	3633776	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1840	ALL	502572	3633776	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1841	ALL	502622	3633776	3.32E-07	28.72YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1842	ALL	502672	3633776	3.47E-07	28.72YrCa	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1843	ALL	504772	3633776	4.07E-07	28.72YrCa	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1844	ALL	504822	3633776	3.86E-07	28.72YrCa	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1845	ALL	504872	3633776	3.60E-07	28.72YrCa	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1846	ALL	504922	3633776	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1847	ALL	504972	3633776	3.12E-07	28.72YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1848	ALL	505022	3633776	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1849	ALL	505072	3633776	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1850	ALL	505122	3633776	2.44E-07	28.72YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1851	ALL	505172	3633776	2.34E-07	28.72YrCa	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1852	ALL	505222	3633776	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1853	ALL	502222	3633826	2.38E-07	28.72YrCa	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1854	ALL	502272	3633826	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1855	ALL	502322	3633826	2.58E-07	28.72YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1856	ALL	502372	3633826	2.69E-07	28.72YrCa	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1857	ALL	502422	3633826	2.81E-07	28.72YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1858	ALL	502472	3633826	2.93E-07	28.72YrCa	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1859	ALL	502522	3633826	3.07E-07	28.72YrCa	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1860	ALL	502572	3633826	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1861	ALL	502622	3633826	3.37E-07	28.72YrCa	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1862	ALL	502672	3633826	3.54E-07	28.72YrCa	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1863	ALL	504772	3633826	4.40E-07	28.72YrCa	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1864	ALL	504822	3633826	4.08E-07	28.72YrCa	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1865	ALL	504872	3633826	3.56E-07	28.72YrCa	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1866	ALL	504922	3633826	3.24E-07	28.72YrCa	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1867	ALL	504972	3633826	3.04E-07	28.72YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1868	ALL	505022	3633826	2.88E-07	28.72YrCa	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1869	ALL	505072	3633826	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1870	ALL	505122	3633826	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1871	ALL	505172	3633826	2.38E-07	28.72YrCa	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1872	ALL	505222	3633826	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1873	ALL	502222	3633876	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1874	ALL	502272	3633876	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1875	ALL	502322	3633876	2.60E-07	28.72YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1876	ALL	502372	3633876	2.71E-07	28.72YrCa	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1877	ALL	502422	3633876	2.84E-07	28.72YrCa	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1878	ALL	502472	3633876	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1879	ALL	502522	3633876	3.11E-07	28.72YrCa	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1880	ALL	502572	3633876	3.27E-07	28.72YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1881	ALL	502622	3633876	3.43E-07	28.72YrCa	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1882	ALL	502672	3633876	3.61E-07	28.72YrCa	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1883	ALL	504772	3633876	4.60E-07	28.72YrCa	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1884	ALL	504822	3633876	4.07E-07	28.72YrCa	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1885	ALL	504872	3633876	3.55E-07	28.72YrCa	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1886	ALL	504922	3633876	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1887	ALL	504972	3633876	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1888	ALL	505022	3633876	2.84E-07	28.72YrCa	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1889	ALL	505072	3633876	2.70E-07	28.72YrCa	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1890	ALL	505122	3633876	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1891	ALL	505172	3633876	2.43E-07	28.72YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1892	ALL	505222	3633876	2.36E-07	28.72YrCa	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1893	ALL	502222	3633926	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1894	ALL	502272	3633926	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1895	ALL	502322	3633926	2.62E-07	28.72YrCa	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1896	ALL	502372	3633926	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1897	ALL	502422	3633926	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1898	ALL	502472	3633926	3.00E-07	28.72YrCa	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1899	ALL	502522	3633926	3.15E-07	28.72YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1900	ALL	502572	3633926	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1901	ALL	502622	3633926	3.49E-07	28.72YrCa	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1902	ALL	502672	3633926	3.68E-07	28.72YrCa	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1903	ALL	504772	3633926	4.63E-07	28.72YrCa	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1904	ALL	504822	3633926	4.10E-07	28.72YrCa	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1905	ALL	504872	3633926	3.70E-07	28.72YrCa	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1906	ALL	504922	3633926	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1907	ALL	504972	3633926	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1908	ALL	505022	3633926	2.84E-07	28.72YrCa	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1909	ALL	505072	3633926	2.69E-07	28.72YrCa	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1910	ALL	505122	3633926	2.56E-07	28.72YrCa	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1911	ALL	505172	3633926	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1912	ALL	505222	3633926	2.38E-07	28.72YrCa	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1913	ALL	502222	3633976	2.43E-07	28.72YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1914	ALL	502272	3633976	2.52E-07	28.72YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1915	ALL	502322	3633976	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1916	ALL	502372	3633976	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1917	ALL	502422	3633976	2.90E-07	28.72YrCa	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1918	ALL	502472	3633976	3.04E-07	28.72YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1919	ALL	502522	3633976	3.20E-07	28.72YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1920	ALL	502572	3633976	3.36E-07	28.72YrCa	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1921	ALL	502622	3633976	3.55E-07	28.72YrCa	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1922	ALL	502672	3633976	3.74E-07	28.72YrCa	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1923	ALL	504772	3633976	4.55E-07	28.72YrCa	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1924	ALL	504822	3633976	4.17E-07	28.72YrCa	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1925	ALL	504872	3633976	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1926	ALL	504922	3633976	3.43E-07	28.72YrCa	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1927	ALL	504972	3633976	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1928	ALL	505022	3633976	2.81E-07	28.72YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1929	ALL	505072	3633976	2.65E-07	28.72YrCa	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1930	ALL	505122	3633976	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1931	ALL	505172	3633976	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1932	ALL	505222	3633976	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1933	ALL	502222	3634026	2.44E-07	28.72YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1934	ALL	502272	3634026	2.54E-07	28.72YrCa	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1935	ALL	502322	3634026	2.66E-07	28.72YrCa	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1936	ALL	502372	3634026	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1937	ALL	502422	3634026	2.93E-07	28.72YrCa	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1938	ALL	502472	3634026	3.07E-07	28.72YrCa	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1939	ALL	502522	3634026	3.23E-07	28.72YrCa	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1940	ALL	502572	3634026	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1941	ALL	502622	3634026	3.60E-07	28.72YrCa	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1942	ALL	502672	3634026	3.81E-07	28.72YrCa	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1943	ALL	504772	3634026	4.49E-07	28.72YrCa	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1944	ALL	504822	3634026	4.22E-07	28.72YrCa	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1945	ALL	504872	3634026	3.76E-07	28.72YrCa	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1946	ALL	504922	3634026	3.35E-07	28.72YrCa	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1947	ALL	504972	3634026	2.97E-07	28.72YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1948	ALL	505022	3634026	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1949	ALL	505072	3634026	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1950	ALL	505122	3634026	2.55E-07	28.72YrCa	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1951	ALL	505172	3634026	2.48E-07	28.72YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1952	ALL	505222	3634026	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1953	ALL	502222	3634076	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1954	ALL	502272	3634076	2.56E-07	28.72YrCa	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1955	ALL	502322	3634076	2.68E-07	28.72YrCa	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1956	ALL	502372	3634076	2.81E-07	28.72YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1957	ALL	502422	3634076	2.95E-07	28.72YrCa	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1958	ALL	502472	3634076	3.10E-07	28.72YrCa	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1959	ALL	502522	3634076	3.27E-07	28.72YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1960	ALL	502572	3634076	3.46E-07	28.72YrCa	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1961	ALL	502622	3634076	3.66E-07	28.72YrCa	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1962	ALL	502672	3634076	3.88E-07	28.72YrCa	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1963	ALL	504772	3634076	4.46E-07	28.72YrCa	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1964	ALL	504822	3634076	4.08E-07	28.72YrCa	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1965	ALL	504872	3634076	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1966	ALL	504922	3634076	3.21E-07	28.72YrCa	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1967	ALL	504972	3634076	2.91E-07	28.72YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1968	ALL	505022	3634076	2.70E-07	28.72YrCa	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1969	ALL	505072	3634076	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1970	ALL	505122	3634076	2.50E-07	28.72YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1971	ALL	505172	3634076	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1972	ALL	505222	3634076	2.36E-07	28.72YrCa	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1973	ALL	502222	3634126	2.46E-07	28.72YrCa	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1974	ALL	502272	3634126	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1975	ALL	502322	3634126	2.70E-07	28.72YrCa	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1976	ALL	502372	3634126	2.83E-07	28.72YrCa	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1977	ALL	502422	3634126	2.97E-07	28.72YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1978	ALL	502472	3634126	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1979	ALL	502522	3634126	3.30E-07	28.72YrCa	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1980	ALL	502572	3634126	3.49E-07	28.72YrCa	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1981	ALL	502622	3634126	3.71E-07	28.72YrCa	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1982	ALL	502672	3634126	3.94E-07	28.72YrCa	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1983	ALL	504772	3634126	4.11E-07	28.72YrCa	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1984	ALL	504822	3634126	3.78E-07	28.72YrCa	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1985	ALL	504872	3634126	3.44E-07	28.72YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1986	ALL	504922	3634126	3.05E-07	28.72YrCa	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1987	ALL	504972	3634126	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1988	ALL	505022	3634126	2.65E-07	28.72YrCa	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1989	ALL	505072	3634126	2.54E-07	28.72YrCa	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1990	ALL	505122	3634126	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1991	ALL	505172	3634126	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1992	ALL	505222	3634126	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1993	ALL	502222	3634176	2.46E-07	28.72YrCa	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1994	ALL	502272	3634176	2.58E-07	28.72YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1995	ALL	502322	3634176	2.70E-07	28.72YrCa	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1996	ALL	502372	3634176	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1997	ALL	502422	3634176	3.01E-07	28.72YrCa	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1998	ALL	502472	3634176	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1999	ALL	502522	3634176	3.34E-07	28.72YrCa	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2000	ALL	502572	3634176	3.53E-07	28.72YrCa	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2001	ALL	502622	3634176	3.75E-07	28.72YrCa	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2002	ALL	502672	3634176	3.99E-07	28.72YrCa	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2003	ALL	504772	3634176	3.79E-07	28.72YrCa	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2004	ALL	504822	3634176	3.48E-07	28.72YrCa	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2005	ALL	504872	3634176	3.21E-07	28.72YrCa	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2006	ALL	504922	3634176	2.99E-07	28.72YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2007	ALL	504972	3634176	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2008	ALL	505022	3634176	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2009	ALL	505072	3634176	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2010	ALL	505122	3634176	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2011	ALL	505172	3634176	2.38E-07	28.72YrCa	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2012	ALL	505222	3634176	2.32E-07	28.72YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2013	ALL	502222	3634226	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2014	ALL	502272	3634226	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2015	ALL	502322	3634226	2.72E-07	28.72YrCa	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2016	ALL	502372	3634226	2.88E-07	28.72YrCa	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2017	ALL	502422	3634226	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2018	ALL	502472	3634226	3.20E-07	28.72YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2019	ALL	502522	3634226	3.37E-07	28.72YrCa	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2020	ALL	502572	3634226	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2021	ALL	502622	3634226	3.79E-07	28.72YrCa	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2022	ALL	502672	3634226	4.04E-07	28.72YrCa	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2023	ALL	504772	3634226	3.59E-07	28.72YrCa	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2024	ALL	504822	3634226	3.29E-07	28.72YrCa	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2025	ALL	504872	3634226	3.10E-07	28.72YrCa	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2026	ALL	504922	3634226	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2027	ALL	504972	3634226	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2028	ALL	505022	3634226	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2029	ALL	505072	3634226	2.43E-07	28.72YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2030	ALL	505122	3634226	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2031	ALL	505172	3634226	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2032	ALL	505222	3634226	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2033	ALL	502222	3634276	2.48E-07	28.72YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2034	ALL	502272	3634276	2.60E-07	28.72YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2035	ALL	502322	3634276	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2036	ALL	502372	3634276	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2037	ALL	502422	3634276	3.05E-07	28.72YrCa	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2038	ALL	502472	3634276	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2039	ALL	502522	3634276	3.40E-07	28.72YrCa	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2040	ALL	502572	3634276	3.61E-07	28.72YrCa	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2041	ALL	502622	3634276	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2042	ALL	502672	3634276	4.09E-07	28.72YrCa	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2043	ALL	504772	3634276	3.43E-07	28.72YrCa	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2044	ALL	504822	3634276	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2045	ALL	504872	3634276	2.98E-07	28.72YrCa	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2046	ALL	504922	3634276	2.83E-07	28.72YrCa	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2047	ALL	504972	3634276	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2048	ALL	505022	3634276	2.54E-07	28.72YrCa	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2049	ALL	505072	3634276	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2050	ALL	505122	3634276	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2051	ALL	505172	3634276	2.18E-07	28.72YrCa	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2052	ALL	505222	3634276	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2053	ALL	502222	3634326	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2054	ALL	502272	3634326	2.62E-07	28.72YrCa	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2055	ALL	502322	3634326	2.75E-07	28.72YrCa	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2056	ALL	502372	3634326	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2057	ALL	502422	3634326	3.05E-07	28.72YrCa	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2058	ALL	502472	3634326	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2059	ALL	502522	3634326	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2060	ALL	502572	3634326	3.61E-07	28.72YrCa	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2061	ALL	502622	3634326	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2062	ALL	502672	3634326	4.10E-07	28.72YrCa	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2063	ALL	504772	3634326	3.33E-07	28.72YrCa	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2064	ALL	504822	3634326	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2065	ALL	504872	3634326	3.01E-07	28.72YrCa	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2066	ALL	504922	3634326	2.91E-07	28.72YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2067	ALL	504972	3634326	2.82E-07	28.72YrCa	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2068	ALL	505022	3634326	2.54E-07	28.72YrCa	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2069	ALL	505072	3634326	2.40E-07	28.72YrCa	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2070	ALL	505122	3634326	2.40E-07	28.72YrCa	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2071	ALL	505172	3634326	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2072	ALL	505222	3634326	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2073	ALL	502222	3634376	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2074	ALL	502272	3634376	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2075	ALL	502322	3634376	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2076	ALL	502372	3634376	2.90E-07	28.72YrCa	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2077	ALL	502422	3634376	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2078	ALL	502472	3634376	3.24E-07	28.72YrCa	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2079	ALL	502522	3634376	3.45E-07	28.72YrCa	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2080	ALL	502572	3634376	3.66E-07	28.72YrCa	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2081	ALL	502622	3634376	3.88E-07	28.72YrCa	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2082	ALL	502672	3634376	4.13E-07	28.72YrCa	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2083	ALL	504772	3634376	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2084	ALL	504822	3634376	3.34E-07	28.72YrCa	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2085	ALL	504872	3634376	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2086	ALL	504922	3634376	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2087	ALL	504972	3634376	2.90E-07	28.72YrCa	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2088	ALL	505022	3634376	2.60E-07	28.72YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2089	ALL	505072	3634376	2.48E-07	28.72YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2090	ALL	505122	3634376	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2091	ALL	505172	3634376	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2092	ALL	505222	3634376	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2093	ALL	502222	3634426	2.52E-07	28.72YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2094	ALL	502272	3634426	2.65E-07	28.72YrCa	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2095	ALL	502322	3634426	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2096	ALL	502372	3634426	2.93E-07	28.72YrCa	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2097	ALL	502422	3634426	3.09E-07	28.72YrCa	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2098	ALL	502472	3634426	3.27E-07	28.72YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2099	ALL	502522	3634426	3.46E-07	28.72YrCa	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2100	ALL	502572	3634426	3.68E-07	28.72YrCa	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2101	ALL	502622	3634426	3.92E-07	28.72YrCa	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2102	ALL	502672	3634426	4.18E-07	28.72YrCa	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2103	ALL	504772	3634426	3.51E-07	28.72YrCa	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2104	ALL	504822	3634426	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2105	ALL	504872	3634426	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2106	ALL	504922	3634426	3.38E-07	28.72YrCa	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2107	ALL	504972	3634426	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2108	ALL	505022	3634426	2.81E-07	28.72YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2109	ALL	505072	3634426	2.73E-07	28.72YrCa	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2110	ALL	505122	3634426	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2111	ALL	505172	3634426	2.44E-07	28.72YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2112	ALL	505222	3634426	2.28E-07	28.72YrCa	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2113	ALL	502222	3634476	2.52E-07	28.72YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2114	ALL	502272	3634476	2.65E-07	28.72YrCa	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2115	ALL	502322	3634476	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2116	ALL	502372	3634476	2.93E-07	28.72YrCa	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2117	ALL	502422	3634476	3.09E-07	28.72YrCa	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2118	ALL	502472	3634476	3.27E-07	28.72YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2119	ALL	502522	3634476	3.47E-07	28.72YrCa	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2120	ALL	502572	3634476	3.69E-07	28.72YrCa	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2121	ALL	502622	3634476	3.93E-07	28.72YrCa	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2122	ALL	502672	3634476	4.20E-07	28.72YrCa	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2123	ALL	504772	3634476	3.61E-07	28.72YrCa	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2124	ALL	504822	3634476	3.42E-07	28.72YrCa	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2125	ALL	504872	3634476	3.44E-07	28.72YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2126	ALL	504922	3634476	3.65E-07	28.72YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2127	ALL	504972	3634476	3.34E-07	28.72YrCa	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2128	ALL	505022	3634476	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2129	ALL	505072	3634476	2.99E-07	28.72YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2130	ALL	505122	3634476	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2131	ALL	505172	3634476	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2132	ALL	505222	3634476	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2133	ALL	502222	3634526	2.52E-07	28.72YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2134	ALL	502272	3634526	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2135	ALL	502322	3634526	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2136	ALL	502372	3634526	2.93E-07	28.72YrCa	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2137	ALL	502422	3634526	3.09E-07	28.72YrCa	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2138	ALL	502472	3634526	3.27E-07	28.72YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2139	ALL	502522	3634526	3.47E-07	28.72YrCa	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2140	ALL	502572	3634526	3.68E-07	28.72YrCa	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2141	ALL	502622	3634526	3.93E-07	28.72YrCa	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2142	ALL	502672	3634526	4.20E-07	28.72YrCa	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2143	ALL	504772	3634526	3.92E-07	28.72YrCa	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2144	ALL	504822	3634526	3.60E-07	28.72YrCa	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2145	ALL	504872	3634526	3.61E-07	28.72YrCa	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2146	ALL	504922	3634526	3.89E-07	28.72YrCa	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2147	ALL	504972	3634526	3.83E-07	28.72YrCa	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2148	ALL	505022	3634526	3.52E-07	28.72YrCa	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2149	ALL	505072	3634526	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2150	ALL	505122	3634526	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2151	ALL	505172	3634526	2.68E-07	28.72YrCa	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2152	ALL	505222	3634526	2.44E-07	28.72YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2153	ALL	502222	3634576	2.52E-07	28.72YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2154	ALL	502272	3634576	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2155	ALL	502322	3634576	2.77E-07	28.72YrCa	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2156	ALL	502372	3634576	2.92E-07	28.72YrCa	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2157	ALL	502422	3634576	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2158	ALL	502472	3634576	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2159	ALL	502522	3634576	3.45E-07	28.72YrCa	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2160	ALL	502572	3634576	3.67E-07	28.72YrCa	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2161	ALL	502622	3634576	3.91E-07	28.72YrCa	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2162	ALL	502672	3634576	4.19E-07	28.72YrCa	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2163	ALL	504772	3634576	4.58E-07	28.72YrCa	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2164	ALL	504822	3634576	4.17E-07	28.72YrCa	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2165	ALL	504872	3634576	4.21E-07	28.72YrCa	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2166	ALL	504922	3634576	4.39E-07	28.72YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2167	ALL	504972	3634576	4.09E-07	28.72YrCa	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2168	ALL	505022	3634576	3.66E-07	28.72YrCa	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2169	ALL	505072	3634576	3.33E-07	28.72YrCa	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2170	ALL	505122	3634576	3.04E-07	28.72YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2171	ALL	505172	3634576	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2172	ALL	505222	3634576	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2173	ALL	502222	3634626	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2174	ALL	502272	3634626	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2175	ALL	502322	3634626	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2176	ALL	502372	3634626	2.90E-07	28.72YrCa	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2177	ALL	502422	3634626	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2178	ALL	502472	3634626	3.24E-07	28.72YrCa	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2179	ALL	502522	3634626	3.44E-07	28.72YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2180	ALL	502572	3634626	3.65E-07	28.72YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2181	ALL	502622	3634626	3.89E-07	28.72YrCa	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2182	ALL	502672	3634626	4.15E-07	28.72YrCa	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2183	ALL	504772	3634626	5.46E-07	28.72YrCa	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2184	ALL	504822	3634626	5.29E-07	28.72YrCa	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2185	ALL	504872	3634626	4.92E-07	28.72YrCa	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2186	ALL	504922	3634626	4.57E-07	28.72YrCa	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2187	ALL	504972	3634626	4.13E-07	28.72YrCa	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2188	ALL	505022	3634626	3.69E-07	28.72YrCa	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2189	ALL	505072	3634626	3.29E-07	28.72YrCa	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2190	ALL	505122	3634626	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2191	ALL	505172	3634626	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2192	ALL	505222	3634626	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2193	ALL	502222	3634676	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2194	ALL	502272	3634676	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2195	ALL	502322	3634676	2.75E-07	28.72YrCa	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2196	ALL	502372	3634676	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2197	ALL	502422	3634676	3.05E-07	28.72YrCa	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2198	ALL	502472	3634676	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2199	ALL	502522	3634676	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2200	ALL	502572	3634676	3.62E-07	28.72YrCa	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2201	ALL	502622	3634676	3.85E-07	28.72YrCa	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2202	ALL	502672	3634676	4.11E-07	28.72YrCa	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2203	ALL	504772	3634676	5.77E-07	28.72YrCa	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2204	ALL	504822	3634676	5.35E-07	28.72YrCa	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2205	ALL	504872	3634676	4.88E-07	28.72YrCa	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2206	ALL	504922	3634676	4.55E-07	28.72YrCa	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2207	ALL	504972	3634676	4.20E-07	28.72YrCa	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2208	ALL	505022	3634676	3.68E-07	28.72YrCa	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2209	ALL	505072	3634676	3.19E-07	28.72YrCa	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2210	ALL	505122	3634676	2.95E-07	28.72YrCa	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2211	ALL	505172	3634676	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2212	ALL	505222	3634676	2.36E-07	28.72YrCa	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2213	ALL	502222	3634726	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2214	ALL	502272	3634726	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2215	ALL	502322	3634726	2.71E-07	28.72YrCa	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2216	ALL	502372	3634726	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2217	ALL	502422	3634726	3.01E-07	28.72YrCa	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2218	ALL	502472	3634726	3.18E-07	28.72YrCa	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2219	ALL	502522	3634726	3.36E-07	28.72YrCa	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2220	ALL	502572	3634726	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2221	ALL	502622	3634726	3.79E-07	28.72YrCa	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2222	ALL	502672	3634726	4.05E-07	28.72YrCa	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2223	ALL	504772	3634726	5.63E-07	28.72YrCa	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2224	ALL	504822	3634726	5.25E-07	28.72YrCa	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2225	ALL	504872	3634726	4.89E-07	28.72YrCa	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2226	ALL	504922	3634726	4.48E-07	28.72YrCa	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2227	ALL	504972	3634726	4.04E-07	28.72YrCa	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2228	ALL	505022	3634726	3.45E-07	28.72YrCa	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2229	ALL	505072	3634726	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2230	ALL	505122	3634726	2.82E-07	28.72YrCa	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2231	ALL	505172	3634726	2.48E-07	28.72YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2232	ALL	505222	3634726	2.32E-07	28.72YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2233	ALL	502222	3634776	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2234	ALL	502272	3634776	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2235	ALL	502322	3634776	2.68E-07	28.72YrCa	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2236	ALL	502372	3634776	2.82E-07	28.72YrCa	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2237	ALL	502422	3634776	2.97E-07	28.72YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2238	ALL	502472	3634776	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2239	ALL	502522	3634776	3.32E-07	28.72YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2240	ALL	502572	3634776	3.51E-07	28.72YrCa	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2241	ALL	502622	3634776	3.73E-07	28.72YrCa	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2242	ALL	502672	3634776	3.97E-07	28.72YrCa	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2243	ALL	504772	3634776	5.49E-07	28.72YrCa	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2244	ALL	504822	3634776	5.12E-07	28.72YrCa	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2245	ALL	504872	3634776	4.78E-07	28.72YrCa	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2246	ALL	504922	3634776	4.31E-07	28.72YrCa	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2247	ALL	504972	3634776	3.64E-07	28.72YrCa	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2248	ALL	505022	3634776	3.14E-07	28.72YrCa	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2249	ALL	505072	3634776	2.94E-07	28.72YrCa	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2250	ALL	505122	3634776	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2251	ALL	505172	3634776	2.40E-07	28.72YrCa	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2252	ALL	505222	3634776	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2253	ALL	502222	3634826	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2254	ALL	502272	3634826	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2255	ALL	502322	3634826	2.65E-07	28.72YrCa	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2256	ALL	502372	3634826	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2257	ALL	502422	3634826	2.92E-07	28.72YrCa	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2258	ALL	502472	3634826	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2259	ALL	502522	3634826	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2260	ALL	502572	3634826	3.44E-07	28.72YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2261	ALL	502622	3634826	3.65E-07	28.72YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2262	ALL	502672	3634826	3.88E-07	28.72YrCa	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2263	ALL	504772	3634826	5.37E-07	28.72YrCa	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2264	ALL	504822	3634826	5.00E-07	28.72YrCa	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2265	ALL	504872	3634826	4.60E-07	28.72YrCa	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2266	ALL	504922	3634826	4.00E-07	28.72YrCa	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2267	ALL	504972	3634826	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2268	ALL	505022	3634826	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2269	ALL	505072	3634826	2.65E-07	28.72YrCa	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2270	ALL	505122	3634826	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2271	ALL	505172	3634826	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2272	ALL	505222	3634826	2.14E-07	28.72YrCa	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2273	ALL	502222	3634876	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2274	ALL	502272	3634876	2.50E-07	28.72YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2275	ALL	502322	3634876	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2276	ALL	502372	3634876	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2277	ALL	502422	3634876	2.88E-07	28.72YrCa	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2278	ALL	502472	3634876	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2279	ALL	502522	3634876	3.19E-07	28.72YrCa	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2280	ALL	502572	3634876	3.37E-07	28.72YrCa	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2281	ALL	502622	3634876	3.56E-07	28.72YrCa	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2282	ALL	502672	3634876	3.78E-07	28.72YrCa	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2283	ALL	504772	3634876	5.27E-07	28.72YrCa	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2284	ALL	504822	3634876	4.87E-07	28.72YrCa	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2285	ALL	504872	3634876	4.50E-07	28.72YrCa	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2286	ALL	504922	3634876	3.76E-07	28.72YrCa	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2287	ALL	504972	3634876	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2288	ALL	505022	3634876	2.60E-07	28.72YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2289	ALL	505072	3634876	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2290	ALL	505122	3634876	2.31E-07	28.72YrCa	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2291	ALL	505172	3634876	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2292	ALL	505222	3634876	2.08E-07	28.72YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2293	ALL	502222	3634926	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2294	ALL	502272	3634926	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2295	ALL	502322	3634926	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2296	ALL	502372	3634926	2.69E-07	28.72YrCa	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2297	ALL	502422	3634926	2.82E-07	28.72YrCa	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2298	ALL	502472	3634926	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2299	ALL	502522	3634926	3.12E-07	28.72YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2300	ALL	502572	3634926	3.28E-07	28.72YrCa	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2301	ALL	502622	3634926	3.47E-07	28.72YrCa	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2302	ALL	502672	3634926	3.67E-07	28.72YrCa	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2303	ALL	504772	3634926	5.23E-07	28.72YrCa	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2304	ALL	504822	3634926	4.78E-07	28.72YrCa	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2305	ALL	504872	3634926	4.44E-07	28.72YrCa	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2306	ALL	504922	3634926	3.77E-07	28.72YrCa	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2307	ALL	504972	3634926	3.04E-07	28.72YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2308	ALL	505022	3634926	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2309	ALL	505072	3634926	2.27E-07	28.72YrCa	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2310	ALL	505122	3634926	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2311	ALL	505172	3634926	2.10E-07	28.72YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2312	ALL	505222	3634926	2.03E-07	28.72YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2313	ALL	502222	3634976	2.31E-07	28.72YrCa	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2314	ALL	502272	3634976	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2315	ALL	502322	3634976	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2316	ALL	502372	3634976	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2317	ALL	502422	3634976	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2318	ALL	502472	3634976	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2319	ALL	502522	3634976	3.04E-07	28.72YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2320	ALL	502572	3634976	3.20E-07	28.72YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2321	ALL	502622	3634976	3.37E-07	28.72YrCa	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2322	ALL	502672	3634976	3.56E-07	28.72YrCa	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2323	ALL	504822	3634976	4.74E-07	28.72YrCa	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2324	ALL	504872	3634976	4.38E-07	28.72YrCa	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2325	ALL	504922	3634976	3.94E-07	28.72YrCa	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2326	ALL	504972	3634976	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2327	ALL	505022	3634976	2.56E-07	28.72YrCa	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2328	ALL	505072	3634976	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2329	ALL	505122	3634976	2.27E-07	28.72YrCa	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2330	ALL	505172	3634976	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2331	ALL	505222	3634976	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2332	ALL	502222	3635026	2.26E-07	28.72YrCa	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2333	ALL	502272	3635026	2.36E-07	28.72YrCa	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2334	ALL	502322	3635026	2.46E-07	28.72YrCa	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2335	ALL	502372	3635026	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2336	ALL	502422	3635026	2.69E-07	28.72YrCa	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2337	ALL	502472	3635026	2.82E-07	28.72YrCa	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2338	ALL	502522	3635026	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2339	ALL	502572	3635026	3.11E-07	28.72YrCa	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2340	ALL	502622	3635026	3.27E-07	28.72YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2341	ALL	502672	3635026	3.45E-07	28.72YrCa	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2342	ALL	504872	3635026	4.37E-07	28.72YrCa	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2343	ALL	504922	3635026	3.94E-07	28.72YrCa	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2344	ALL	504972	3635026	3.16E-07	28.72YrCa	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2345	ALL	505022	3635026	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2346	ALL	505072	3635026	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2347	ALL	505122	3635026	2.40E-07	28.72YrCa	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2348	ALL	505172	3635026	2.31E-07	28.72YrCa	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2349	ALL	505222	3635026	2.15E-07	28.72YrCa	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2350	ALL	502222	3635076	2.22E-07	28.72YrCa	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2351	ALL	502272	3635076	2.31E-07	28.72YrCa	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2352	ALL	502322	3635076	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2353	ALL	502372	3635076	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2354	ALL	502422	3635076	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2355	ALL	502472	3635076	2.75E-07	28.72YrCa	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2356	ALL	502522	3635076	2.88E-07	28.72YrCa	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2357	ALL	502572	3635076	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2358	ALL	502622	3635076	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2359	ALL	502672	3635076	3.34E-07	28.72YrCa	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2360	ALL	504922	3635076	4.07E-07	28.72YrCa	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2361	ALL	504972	3635076	3.59E-07	28.72YrCa	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2362	ALL	505022	3635076	2.81E-07	28.72YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2363	ALL	505072	3635076	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2364	ALL	505122	3635076	2.62E-07	28.72YrCa	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2365	ALL	505172	3635076	2.62E-07	28.72YrCa	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2366	ALL	505222	3635076	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2367	ALL	502222	3635126	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2368	ALL	502272	3635126	2.26E-07	28.72YrCa	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2369	ALL	502322	3635126	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2370	ALL	502372	3635126	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2371	ALL	502422	3635126	2.56E-07	28.72YrCa	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2372	ALL	502472	3635126	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2373	ALL	502522	3635126	2.80E-07	28.72YrCa	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2374	ALL	502572	3635126	2.93E-07	28.72YrCa	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2375	ALL	502622	3635126	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2376	ALL	502672	3635126	3.23E-07	28.72YrCa	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2377	ALL	505022	3635126	3.43E-07	28.72YrCa	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2378	ALL	505072	3635126	3.10E-07	28.72YrCa	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2379	ALL	505122	3635126	3.07E-07	28.72YrCa	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2380	ALL	505172	3635126	3.00E-07	28.72YrCa	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2381	ALL	505222	3635126	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2382	ALL	502222	3635176	2.12E-07	28.72YrCa	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2383	ALL	502272	3635176	2.21E-07	28.72YrCa	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2384	ALL	502322	3635176	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2385	ALL	502372	3635176	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2386	ALL	502422	3635176	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2387	ALL	502472	3635176	2.60E-07	28.72YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2388	ALL	502522	3635176	2.72E-07	28.72YrCa	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2389	ALL	502572	3635176	2.84E-07	28.72YrCa	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2390	ALL	502622	3635176	2.98E-07	28.72YrCa	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2391	ALL	502672	3635176	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2392	ALL	505122	3635176	3.28E-07	28.72YrCa	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2393	ALL	505172	3635176	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2394	ALL	505222	3635176	2.98E-07	28.72YrCa	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2395	ALL	502222	3635226	2.07E-07	28.72YrCa	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2396	ALL	502272	3635226	2.15E-07	28.72YrCa	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2397	ALL	502322	3635226	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2398	ALL	502372	3635226	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2399	ALL	502422	3635226	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2400	ALL	502472	3635226	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2401	ALL	502522	3635226	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2402	ALL	502572	3635226	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2403	ALL	502622	3635226	2.88E-07	28.72YrCa	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2404	ALL	502672	3635226	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2405	ALL	502222	3635276	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2406	ALL	502272	3635276	2.10E-07	28.72YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2407	ALL	502322	3635276	2.18E-07	28.72YrCa	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2408	ALL	502372	3635276	2.27E-07	28.72YrCa	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2409	ALL	502422	3635276	2.36E-07	28.72YrCa	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2410	ALL	502472	3635276	2.46E-07	28.72YrCa	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2411	ALL	502522	3635276	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2412	ALL	502572	3635276	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2413	ALL	502622	3635276	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2414	ALL	502672	3635276	2.92E-07	28.72YrCa	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2415	ALL	502222	3635326	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2416	ALL	502272	3635326	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2417	ALL	502322	3635326	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2418	ALL	502372	3635326	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2419	ALL	502422	3635326	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2420	ALL	502472	3635326	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2421	ALL	502522	3635326	2.50E-07	28.72YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2422	ALL	502572	3635326	2.60E-07	28.72YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2423	ALL	502622	3635326	2.71E-07	28.72YrCa	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2424	ALL	502672	3635326	2.82E-07	28.72YrCa	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2425	ALL	502222	3635376	1.98E-07	28.72YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2426	ALL	502272	3635376	2.03E-07	28.72YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2427	ALL	502322	3635376	2.11E-07	28.72YrCa	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2428	ALL	502372	3635376	2.18E-07	28.72YrCa	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2429	ALL	502422	3635376	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2430	ALL	502472	3635376	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2431	ALL	502522	3635376	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2432	ALL	502572	3635376	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2433	ALL	502622	3635376	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2434	ALL	502672	3635376	2.72E-07	28.72YrCa	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2435	ALL	502222	3635426	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2436	ALL	502272	3635426	1.97E-07	28.72YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2437	ALL	502322	3635426	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2438	ALL	502372	3635426	2.11E-07	28.72YrCa	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2439	ALL	502422	3635426	2.18E-07	28.72YrCa	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2440	ALL	502472	3635426	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2441	ALL	502522	3635426	2.32E-07	28.72YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2442	ALL	502572	3635426	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2443	ALL	502622	3635426	2.50E-07	28.72YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2444	ALL	502672	3635426	2.60E-07	28.72YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2445	ALL	504772	3635426	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2446	ALL	502222	3635476	1.86E-07	28.72YrCa	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2447	ALL	502272	3635476	1.92E-07	28.72YrCa	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2448	ALL	502322	3635476	1.98E-07	28.72YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2449	ALL	502372	3635476	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2450	ALL	502422	3635476	2.10E-07	28.72YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2451	ALL	502472	3635476	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2452	ALL	502522	3635476	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2453	ALL	502572	3635476	2.32E-07	28.72YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2454	ALL	502622	3635476	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2455	ALL	502672	3635476	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2456	ALL	504772	3635476	3.18E-07	28.72YrCa	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2457	ALL	504822	3635476	3.05E-07	28.72YrCa	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2458	ALL	504872	3635476	2.95E-07	28.72YrCa	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2459	ALL	504922	3635476	2.84E-07	28.72YrCa	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2460	ALL	502222	3635526	1.80E-07	28.72YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2461	ALL	502272	3635526	1.86E-07	28.72YrCa	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2462	ALL	502322	3635526	1.91E-07	28.72YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2463	ALL	502372	3635526	1.97E-07	28.72YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2464	ALL	502422	3635526	2.03E-07	28.72YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2465	ALL	502472	3635526	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2466	ALL	502522	3635526	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2467	ALL	502572	3635526	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2468	ALL	502622	3635526	2.31E-07	28.72YrCa	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2469	ALL	502672	3635526	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2470	ALL	502722	3635526	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2471	ALL	502772	3635526	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2472	ALL	502822	3635526	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2473	ALL	502872	3635526	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2474	ALL	502922	3635526	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2475	ALL	502972	3635526	3.00E-07	28.72YrCa	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2476	ALL	503022	3635526	3.11E-07	28.72YrCa	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2477	ALL	503072	3635526	3.23E-07	28.72YrCa	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2478	ALL	503122	3635526	3.38E-07	28.72YrCa	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2479	ALL	503172	3635526	3.49E-07	28.72YrCa	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2480	ALL	503222	3635526	3.56E-07	28.72YrCa	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2481	ALL	503272	3635526	3.66E-07	28.72YrCa	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2482	ALL	503322	3635526	3.77E-07	28.72YrCa	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2483	ALL	503372	3635526	3.89E-07	28.72YrCa	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2484	ALL	503422	3635526	4.00E-07	28.72YrCa	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2485	ALL	503472	3635526	4.13E-07	28.72YrCa	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2486	ALL	503522	3635526	4.25E-07	28.72YrCa	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2487	ALL	503572	3635526	4.30E-07	28.72YrCa	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2488	ALL	503622	3635526	4.33E-07	28.72YrCa	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2489	ALL	503672	3635526	4.38E-07	28.72YrCa	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2490	ALL	503722	3635526	4.43E-07	28.72YrCa	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2491	ALL	503772	3635526	4.49E-07	28.72YrCa	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2492	ALL	503822	3635526	4.54E-07	28.72YrCa	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2493	ALL	503872	3635526	4.55E-07	28.72YrCa	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2494	ALL	503922	3635526	4.63E-07	28.72YrCa	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2495	ALL	503972	3635526	4.69E-07	28.72YrCa	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2496	ALL	504022	3635526	4.58E-07	28.72YrCa	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2497	ALL	504072	3635526	4.41E-07	28.72YrCa	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2498	ALL	504122	3635526	4.26E-07	28.72YrCa	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2499	ALL	504172	3635526	4.25E-07	28.72YrCa	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2500	ALL	504222	3635526	4.10E-07	28.72YrCa	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2501	ALL	504272	3635526	4.01E-07	28.72YrCa	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2502	ALL	504322	3635526	3.91E-07	28.72YrCa	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2503	ALL	504372	3635526	3.81E-07	28.72YrCa	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2504	ALL	504422	3635526	3.71E-07	28.72YrCa	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2505	ALL	504472	3635526	3.60E-07	28.72YrCa	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2506	ALL	504522	3635526	3.50E-07	28.72YrCa	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2507	ALL	504572	3635526	3.42E-07	28.72YrCa	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2508	ALL	504622	3635526	3.33E-07	28.72YrCa	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2509	ALL	504672	3635526	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2510	ALL	504722	3635526	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2511	ALL	504772	3635526	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2512	ALL	504822	3635526	2.95E-07	28.72YrCa	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2513	ALL	504872	3635526	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2514	ALL	504922	3635526	2.73E-07	28.72YrCa	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2515	ALL	504972	3635526	2.65E-07	28.72YrCa	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2516	ALL	505022	3635526	2.56E-07	28.72YrCa	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2517	ALL	505072	3635526	2.48E-07	28.72YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2518	ALL	505122	3635526	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2519	ALL	505172	3635526	2.32E-07	28.72YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2520	ALL	505222	3635526	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2521	ALL	502222	3635576	1.73E-07	28.72YrCa	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2522	ALL	502272	3635576	1.80E-07	28.72YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2523	ALL	502322	3635576	1.85E-07	28.72YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2524	ALL	502372	3635576	1.91E-07	28.72YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2525	ALL	502422	3635576	1.96E-07	28.72YrCa	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2526	ALL	502472	3635576	2.02E-07	28.72YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2527	ALL	502522	3635576	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2528	ALL	502572	3635576	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2529	ALL	502622	3635576	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2530	ALL	502672	3635576	2.30E-07	28.72YrCa	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2531	ALL	502722	3635576	2.38E-07	28.72YrCa	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2532	ALL	502772	3635576	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2533	ALL	502822	3635576	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2534	ALL	502872	3635576	2.66E-07	28.72YrCa	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2535	ALL	502922	3635576	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2536	ALL	502972	3635576	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2537	ALL	503022	3635576	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2538	ALL	503072	3635576	3.07E-07	28.72YrCa	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2539	ALL	503122	3635576	3.20E-07	28.72YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2540	ALL	503172	3635576	3.30E-07	28.72YrCa	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2541	ALL	503222	3635576	3.36E-07	28.72YrCa	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2542	ALL	503272	3635576	3.47E-07	28.72YrCa	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2543	ALL	503322	3635576	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2544	ALL	503372	3635576	3.68E-07	28.72YrCa	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2545	ALL	503422	3635576	3.79E-07	28.72YrCa	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2546	ALL	503472	3635576	3.92E-07	28.72YrCa	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2547	ALL	503522	3635576	4.02E-07	28.72YrCa	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2548	ALL	503572	3635576	4.07E-07	28.72YrCa	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2549	ALL	503622	3635576	4.06E-07	28.72YrCa	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2550	ALL	503672	3635576	4.10E-07	28.72YrCa	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2551	ALL	503722	3635576	4.14E-07	28.72YrCa	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2552	ALL	503772	3635576	4.17E-07	28.72YrCa	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2553	ALL	503822	3635576	4.20E-07	28.72YrCa	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2554	ALL	503872	3635576	4.24E-07	28.72YrCa	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2555	ALL	503922	3635576	4.29E-07	28.72YrCa	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2556	ALL	503972	3635576	4.35E-07	28.72YrCa	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2557	ALL	504022	3635576	4.14E-07	28.72YrCa	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2558	ALL	504072	3635576	4.08E-07	28.72YrCa	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2559	ALL	504122	3635576	4.05E-07	28.72YrCa	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2560	ALL	504172	3635576	4.01E-07	28.72YrCa	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2561	ALL	504222	3635576	3.88E-07	28.72YrCa	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2562	ALL	504272	3635576	3.76E-07	28.72YrCa	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2563	ALL	504322	3635576	3.68E-07	28.72YrCa	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2564	ALL	504372	3635576	3.59E-07	28.72YrCa	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2565	ALL	504422	3635576	3.50E-07	28.72YrCa	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2566	ALL	504472	3635576	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2567	ALL	504522	3635576	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2568	ALL	504572	3635576	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2569	ALL	504622	3635576	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2570	ALL	504672	3635576	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2571	ALL	504722	3635576	3.01E-07	28.72YrCa	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2572	ALL	504772	3635576	2.94E-07	28.72YrCa	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2573	ALL	504822	3635576	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2574	ALL	504872	3635576	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2575	ALL	504922	3635576	2.62E-07	28.72YrCa	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2576	ALL	504972	3635576	2.55E-07	28.72YrCa	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2577	ALL	505022	3635576	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2578	ALL	505072	3635576	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2579	ALL	505122	3635576	2.32E-07	28.72YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2580	ALL	505172	3635576	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2581	ALL	505222	3635576	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2582	ALL	502222	3635626	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2583	ALL	502272	3635626	1.73E-07	28.72YrCa	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2584	ALL	502322	3635626	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2585	ALL	502372	3635626	1.84E-07	28.72YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2586	ALL	502422	3635626	1.88E-07	28.72YrCa	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2587	ALL	502472	3635626	1.94E-07	28.72YrCa	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2588	ALL	502522	3635626	2.00E-07	28.72YrCa	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2589	ALL	502572	3635626	2.08E-07	28.72YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2590	ALL	502622	3635626	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2591	ALL	502672	3635626	2.22E-07	28.72YrCa	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2592	ALL	502722	3635626	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2593	ALL	502772	3635626	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2594	ALL	502822	3635626	2.46E-07	28.72YrCa	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2595	ALL	502872	3635626	2.54E-07	28.72YrCa	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2596	ALL	502922	3635626	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2597	ALL	502972	3635626	2.72E-07	28.72YrCa	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2598	ALL	503022	3635626	2.81E-07	28.72YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2599	ALL	503072	3635626	2.91E-07	28.72YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2600	ALL	503122	3635626	3.00E-07	28.72YrCa	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2601	ALL	503172	3635626	3.10E-07	28.72YrCa	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2602	ALL	503222	3635626	3.20E-07	28.72YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2603	ALL	503272	3635626	3.29E-07	28.72YrCa	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2604	ALL	503322	3635626	3.39E-07	28.72YrCa	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2605	ALL	503372	3635626	3.48E-07	28.72YrCa	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2606	ALL	503422	3635626	3.58E-07	28.72YrCa	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2607	ALL	503472	3635626	3.70E-07	28.72YrCa	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2608	ALL	503522	3635626	3.80E-07	28.72YrCa	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2609	ALL	503572	3635626	3.85E-07	28.72YrCa	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2610	ALL	503622	3635626	3.85E-07	28.72YrCa	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2611	ALL	503672	3635626	3.88E-07	28.72YrCa	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2612	ALL	503722	3635626	3.91E-07	28.72YrCa	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2613	ALL	503772	3635626	3.94E-07	28.72YrCa	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2614	ALL	503822	3635626	3.95E-07	28.72YrCa	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2615	ALL	503872	3635626	3.93E-07	28.72YrCa	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2616	ALL	503922	3635626	3.99E-07	28.72YrCa	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2617	ALL	503972	3635626	4.03E-07	28.72YrCa	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2618	ALL	504022	3635626	3.87E-07	28.72YrCa	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2619	ALL	504072	3635626	3.83E-07	28.72YrCa	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2620	ALL	504122	3635626	3.80E-07	28.72YrCa	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2621	ALL	504172	3635626	3.75E-07	28.72YrCa	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2622	ALL	504222	3635626	3.71E-07	28.72YrCa	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2623	ALL	504272	3635626	3.64E-07	28.72YrCa	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2624	ALL	504322	3635626	3.47E-07	28.72YrCa	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2625	ALL	504372	3635626	3.39E-07	28.72YrCa	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2626	ALL	504422	3635626	3.32E-07	28.72YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2627	ALL	504472	3635626	3.23E-07	28.72YrCa	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2628	ALL	504522	3635626	3.15E-07	28.72YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2629	ALL	504572	3635626	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2630	ALL	504622	3635626	2.98E-07	28.72YrCa	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2631	ALL	504672	3635626	2.92E-07	28.72YrCa	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2632	ALL	504722	3635626	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2633	ALL	504772	3635626	2.82E-07	28.72YrCa	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2634	ALL	504822	3635626	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2635	ALL	504872	3635626	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2636	ALL	504922	3635626	2.52E-07	28.72YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2637	ALL	504972	3635626	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2638	ALL	505022	3635626	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2639	ALL	505072	3635626	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2640	ALL	505122	3635626	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2641	ALL	505172	3635626	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2642	ALL	505222	3635626	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2643	ALL	502222	3635676	1.59E-07	28.72YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2644	ALL	502272	3635676	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2645	ALL	502322	3635676	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2646	ALL	502372	3635676	1.77E-07	28.72YrCa	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2647	ALL	502422	3635676	1.81E-07	28.72YrCa	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2648	ALL	502472	3635676	1.87E-07	28.72YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2649	ALL	502522	3635676	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2650	ALL	502572	3635676	2.01E-07	28.72YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2651	ALL	502622	3635676	2.08E-07	28.72YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2652	ALL	502672	3635676	2.15E-07	28.72YrCa	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2653	ALL	502722	3635676	2.21E-07	28.72YrCa	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2654	ALL	502772	3635676	2.27E-07	28.72YrCa	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2655	ALL	502822	3635676	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2656	ALL	502872	3635676	2.43E-07	28.72YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2657	ALL	502922	3635676	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2658	ALL	502972	3635676	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2659	ALL	503022	3635676	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2660	ALL	503072	3635676	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2661	ALL	503122	3635676	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2662	ALL	503172	3635676	2.93E-07	28.72YrCa	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2663	ALL	503222	3635676	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2664	ALL	503272	3635676	3.12E-07	28.72YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2665	ALL	503322	3635676	3.21E-07	28.72YrCa	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2666	ALL	503372	3635676	3.30E-07	28.72YrCa	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2667	ALL	503422	3635676	3.40E-07	28.72YrCa	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2668	ALL	503472	3635676	3.49E-07	28.72YrCa	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2669	ALL	503522	3635676	3.58E-07	28.72YrCa	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2670	ALL	503572	3635676	3.64E-07	28.72YrCa	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2671	ALL	503622	3635676	3.65E-07	28.72YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2672	ALL	503672	3635676	3.66E-07	28.72YrCa	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2673	ALL	503722	3635676	3.70E-07	28.72YrCa	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2674	ALL	503772	3635676	3.73E-07	28.72YrCa	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2675	ALL	503822	3635676	3.72E-07	28.72YrCa	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2676	ALL	503872	3635676	3.71E-07	28.72YrCa	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2677	ALL	503922	3635676	3.77E-07	28.72YrCa	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2678	ALL	503972	3635676	3.78E-07	28.72YrCa	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2679	ALL	504022	3635676	3.69E-07	28.72YrCa	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2680	ALL	504072	3635676	3.61E-07	28.72YrCa	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2681	ALL	504122	3635676	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2682	ALL	504172	3635676	3.53E-07	28.72YrCa	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2683	ALL	504222	3635676	3.48E-07	28.72YrCa	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2684	ALL	504272	3635676	3.43E-07	28.72YrCa	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2685	ALL	504322	3635676	3.35E-07	28.72YrCa	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2686	ALL	504372	3635676	3.21E-07	28.72YrCa	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2687	ALL	504422	3635676	3.14E-07	28.72YrCa	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2688	ALL	504472	3635676	3.12E-07	28.72YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2689	ALL	504522	3635676	3.05E-07	28.72YrCa	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2690	ALL	504572	3635676	2.92E-07	28.72YrCa	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2691	ALL	504622	3635676	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2692	ALL	504672	3635676	2.80E-07	28.72YrCa	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2693	ALL	504722	3635676	2.73E-07	28.72YrCa	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2694	ALL	504772	3635676	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2695	ALL	504822	3635676	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2696	ALL	504872	3635676	2.55E-07	28.72YrCa	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2697	ALL	504922	3635676	2.43E-07	28.72YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2698	ALL	504972	3635676	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2699	ALL	505022	3635676	2.31E-07	28.72YrCa	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2700	ALL	505072	3635676	2.22E-07	28.72YrCa	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2701	ALL	505122	3635676	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2702	ALL	505172	3635676	2.10E-07	28.72YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2703	ALL	505222	3635676	2.03E-07	28.72YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2704	ALL	502222	3635726	1.53E-07	28.72YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2705	ALL	502272	3635726	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2706	ALL	502322	3635726	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2707	ALL	502372	3635726	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2708	ALL	502422	3635726	1.76E-07	28.72YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2709	ALL	502472	3635726	1.81E-07	28.72YrCa	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2710	ALL	502522	3635726	1.87E-07	28.72YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2711	ALL	502572	3635726	1.94E-07	28.72YrCa	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2712	ALL	502622	3635726	2.01E-07	28.72YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2713	ALL	502672	3635726	2.07E-07	28.72YrCa	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2714	ALL	502722	3635726	2.13E-07	28.72YrCa	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2715	ALL	502772	3635726	2.19E-07	28.72YrCa	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2716	ALL	502822	3635726	2.26E-07	28.72YrCa	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2717	ALL	502872	3635726	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2718	ALL	502922	3635726	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2719	ALL	502972	3635726	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2720	ALL	503022	3635726	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2721	ALL	503072	3635726	2.62E-07	28.72YrCa	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2722	ALL	503122	3635726	2.69E-07	28.72YrCa	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2723	ALL	503172	3635726	2.77E-07	28.72YrCa	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2724	ALL	503222	3635726	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2725	ALL	503272	3635726	2.95E-07	28.72YrCa	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2726	ALL	503322	3635726	3.03E-07	28.72YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2727	ALL	503372	3635726	3.11E-07	28.72YrCa	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2728	ALL	503422	3635726	3.21E-07	28.72YrCa	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2729	ALL	503472	3635726	3.30E-07	28.72YrCa	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2730	ALL	503522	3635726	3.38E-07	28.72YrCa	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2731	ALL	503572	3635726	3.42E-07	28.72YrCa	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2732	ALL	503622	3635726	3.46E-07	28.72YrCa	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2733	ALL	503672	3635726	3.46E-07	28.72YrCa	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2734	ALL	503722	3635726	3.50E-07	28.72YrCa	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2735	ALL	503772	3635726	3.52E-07	28.72YrCa	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2736	ALL	503822	3635726	3.50E-07	28.72YrCa	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2737	ALL	503872	3635726	3.50E-07	28.72YrCa	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2738	ALL	503922	3635726	3.54E-07	28.72YrCa	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2739	ALL	503972	3635726	3.57E-07	28.72YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2740	ALL	504022	3635726	3.49E-07	28.72YrCa	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2741	ALL	504072	3635726	3.47E-07	28.72YrCa	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2742	ALL	504122	3635726	3.39E-07	28.72YrCa	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2743	ALL	504172	3635726	3.34E-07	28.72YrCa	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2744	ALL	504222	3635726	3.40E-07	28.72YrCa	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2745	ALL	504272	3635726	3.35E-07	28.72YrCa	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2746	ALL	504322	3635726	3.19E-07	28.72YrCa	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2747	ALL	504372	3635726	3.12E-07	28.72YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2748	ALL	504422	3635726	2.99E-07	28.72YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2749	ALL	504472	3635726	2.99E-07	28.72YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2750	ALL	504522	3635726	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2751	ALL	504572	3635726	2.84E-07	28.72YrCa	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2752	ALL	504622	3635726	2.77E-07	28.72YrCa	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2753	ALL	504672	3635726	2.73E-07	28.72YrCa	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2754	ALL	504722	3635726	2.62E-07	28.72YrCa	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2755	ALL	504772	3635726	2.55E-07	28.72YrCa	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2756	ALL	504822	3635726	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2757	ALL	504872	3635726	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2758	ALL	504922	3635726	2.34E-07	28.72YrCa	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2759	ALL	504972	3635726	2.32E-07	28.72YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2760	ALL	505022	3635726	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2761	ALL	505072	3635726	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2762	ALL	505122	3635726	2.11E-07	28.72YrCa	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2763	ALL	505172	3635726	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2764	ALL	505222	3635726	1.97E-07	28.72YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2765	ALL	502222	3635776	1.48E-07	28.72YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2766	ALL	502272	3635776	1.55E-07	28.72YrCa	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2767	ALL	502322	3635776	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2768	ALL	502372	3635776	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2769	ALL	502422	3635776	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2770	ALL	502472	3635776	1.76E-07	28.72YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2771	ALL	502522	3635776	1.81E-07	28.72YrCa	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2772	ALL	502572	3635776	1.87E-07	28.72YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2773	ALL	502622	3635776	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2774	ALL	502672	3635776	1.99E-07	28.72YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2775	ALL	502722	3635776	2.06E-07	28.72YrCa	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2776	ALL	502772	3635776	2.12E-07	28.72YrCa	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2777	ALL	502822	3635776	2.19E-07	28.72YrCa	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2778	ALL	502872	3635776	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2779	ALL	502922	3635776	2.30E-07	28.72YrCa	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2780	ALL	502972	3635776	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2781	ALL	503022	3635776	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2782	ALL	503072	3635776	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2783	ALL	503122	3635776	2.56E-07	28.72YrCa	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2784	ALL	503172	3635776	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2785	ALL	503222	3635776	2.62E-07	28.72YrCa	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2786	ALL	503272	3635776	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2787	ALL	503322	3635776	2.75E-07	28.72YrCa	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2788	ALL	503372	3635776	2.92E-07	28.72YrCa	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2789	ALL	503422	3635776	3.04E-07	28.72YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2790	ALL	503472	3635776	3.12E-07	28.72YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2791	ALL	503522	3635776	3.19E-07	28.72YrCa	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2792	ALL	503572	3635776	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2793	ALL	503622	3635776	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2794	ALL	503672	3635776	3.31E-07	28.72YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2795	ALL	503722	3635776	3.30E-07	28.72YrCa	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2796	ALL	503772	3635776	3.32E-07	28.72YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2797	ALL	503822	3635776	3.32E-07	28.72YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2798	ALL	503872	3635776	3.35E-07	28.72YrCa	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2799	ALL	503922	3635776	3.41E-07	28.72YrCa	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2800	ALL	503972	3635776	3.42E-07	28.72YrCa	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2801	ALL	504022	3635776	3.33E-07	28.72YrCa	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2802	ALL	504072	3635776	3.37E-07	28.72YrCa	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2803	ALL	504122	3635776	3.30E-07	28.72YrCa	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2804	ALL	504172	3635776	3.27E-07	28.72YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2805	ALL	504222	3635776	3.27E-07	28.72YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2806	ALL	504272	3635776	3.23E-07	28.72YrCa	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2807	ALL	504322	3635776	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2808	ALL	504372	3635776	3.01E-07	28.72YrCa	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2809	ALL	504422	3635776	2.91E-07	28.72YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2810	ALL	504472	3635776	2.91E-07	28.72YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2811	ALL	504522	3635776	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2812	ALL	504572	3635776	2.72E-07	28.72YrCa	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2813	ALL	504622	3635776	2.69E-07	28.72YrCa	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2814	ALL	504672	3635776	2.60E-07	28.72YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2815	ALL	504722	3635776	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2816	ALL	504772	3635776	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2817	ALL	504822	3635776	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2818	ALL	504872	3635776	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2819	ALL	504922	3635776	2.27E-07	28.72YrCa	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2820	ALL	504972	3635776	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2821	ALL	505022	3635776	2.18E-07	28.72YrCa	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2822	ALL	505072	3635776	2.10E-07	28.72YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2823	ALL	505122	3635776	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2824	ALL	505172	3635776	1.98E-07	28.72YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2825	ALL	505222	3635776	1.92E-07	28.72YrCa	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2826	ALL	502222	3635826	1.44E-07	28.72YrCa	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2827	ALL	502272	3635826	1.51E-07	28.72YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2828	ALL	502322	3635826	1.56E-07	28.72YrCa	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2829	ALL	502372	3635826	1.61E-07	28.72YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2830	ALL	502422	3635826	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2831	ALL	502472	3635826	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2832	ALL	502522	3635826	1.76E-07	28.72YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2833	ALL	502572	3635826	1.81E-07	28.72YrCa	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2834	ALL	502622	3635826	1.87E-07	28.72YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2835	ALL	502672	3635826	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2836	ALL	502722	3635826	1.99E-07	28.72YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2837	ALL	502772	3635826	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2838	ALL	502822	3635826	2.11E-07	28.72YrCa	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2839	ALL	502872	3635826	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2840	ALL	502922	3635826	2.21E-07	28.72YrCa	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2841	ALL	502972	3635826	2.28E-07	28.72YrCa	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2842	ALL	503022	3635826	2.30E-07	28.72YrCa	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2843	ALL	503072	3635826	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2844	ALL	503122	3635826	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2845	ALL	503172	3635826	2.50E-07	28.72YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2846	ALL	503222	3635826	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2847	ALL	503272	3635826	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2848	ALL	503322	3635826	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2849	ALL	503372	3635826	2.77E-07	28.72YrCa	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2850	ALL	503422	3635826	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2851	ALL	503472	3635826	2.96E-07	28.72YrCa	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2852	ALL	503522	3635826	2.92E-07	28.72YrCa	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2853	ALL	503572	3635826	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2854	ALL	503622	3635826	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2855	ALL	503672	3635826	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2856	ALL	503722	3635826	3.16E-07	28.72YrCa	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2857	ALL	503772	3635826	3.14E-07	28.72YrCa	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2858	ALL	503822	3635826	3.16E-07	28.72YrCa	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2859	ALL	503872	3635826	3.18E-07	28.72YrCa	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2860	ALL	503922	3635826	3.22E-07	28.72YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2861	ALL	503972	3635826	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2862	ALL	504022	3635826	3.19E-07	28.72YrCa	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2863	ALL	504072	3635826	3.27E-07	28.72YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2864	ALL	504122	3635826	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2865	ALL	504172	3635826	3.18E-07	28.72YrCa	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2866	ALL	504222	3635826	3.15E-07	28.72YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2867	ALL	504272	3635826	3.15E-07	28.72YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2868	ALL	504322	3635826	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2869	ALL	504372	3635826	2.95E-07	28.72YrCa	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2870	ALL	504422	3635826	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2871	ALL	504472	3635826	2.82E-07	28.72YrCa	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2872	ALL	504522	3635826	2.77E-07	28.72YrCa	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2873	ALL	504572	3635826	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2874	ALL	504622	3635826	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2875	ALL	504672	3635826	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2876	ALL	504722	3635826	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2877	ALL	504772	3635826	2.35E-07	28.72YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2878	ALL	504822	3635826	2.32E-07	28.72YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2879	ALL	504872	3635826	2.28E-07	28.72YrCa	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2880	ALL	504922	3635826	2.21E-07	28.72YrCa	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2881	ALL	504972	3635826	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2882	ALL	505022	3635826	2.11E-07	28.72YrCa	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2883	ALL	505072	3635826	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2884	ALL	505122	3635826	1.99E-07	28.72YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2885	ALL	505172	3635826	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2886	ALL	505222	3635826	1.87E-07	28.72YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2887	ALL	502222	3635876	1.40E-07	28.72YrCa	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2888	ALL	502272	3635876	1.47E-07	28.72YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2889	ALL	502322	3635876	1.52E-07	28.72YrCa	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2890	ALL	502372	3635876	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2891	ALL	502422	3635876	1.61E-07	28.72YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2892	ALL	502472	3635876	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2893	ALL	502522	3635876	1.70E-07	28.72YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2894	ALL	502572	3635876	1.76E-07	28.72YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2895	ALL	502622	3635876	1.80E-07	28.72YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2896	ALL	502672	3635876	1.86E-07	28.72YrCa	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2897	ALL	502722	3635876	1.92E-07	28.72YrCa	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2898	ALL	502772	3635876	1.98E-07	28.72YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2899	ALL	502822	3635876	2.03E-07	28.72YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2900	ALL	502872	3635876	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2901	ALL	502922	3635876	2.12E-07	28.72YrCa	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2902	ALL	502972	3635876	2.18E-07	28.72YrCa	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2903	ALL	503022	3635876	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2904	ALL	503072	3635876	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2905	ALL	503122	3635876	2.30E-07	28.72YrCa	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2906	ALL	503172	3635876	2.38E-07	28.72YrCa	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2907	ALL	503222	3635876	2.40E-07	28.72YrCa	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2908	ALL	503272	3635876	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2909	ALL	503322	3635876	2.54E-07	28.72YrCa	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2910	ALL	503372	3635876	2.62E-07	28.72YrCa	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2911	ALL	503422	3635876	2.72E-07	28.72YrCa	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2912	ALL	503472	3635876	2.79E-07	28.72YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2913	ALL	503522	3635876	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2914	ALL	503572	3635876	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2915	ALL	503622	3635876	2.97E-07	28.72YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2916	ALL	503672	3635876	3.00E-07	28.72YrCa	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2917	ALL	503722	3635876	2.99E-07	28.72YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2918	ALL	503772	3635876	2.99E-07	28.72YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2919	ALL	503822	3635876	3.01E-07	28.72YrCa	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2920	ALL	503872	3635876	3.05E-07	28.72YrCa	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2921	ALL	503922	3635876	3.06E-07	28.72YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2922	ALL	503972	3635876	3.09E-07	28.72YrCa	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2923	ALL	504022	3635876	3.07E-07	28.72YrCa	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2924	ALL	504072	3635876	3.13E-07	28.72YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2925	ALL	504122	3635876	3.12E-07	28.72YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2926	ALL	504172	3635876	3.09E-07	28.72YrCa	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2927	ALL	504222	3635876	3.10E-07	28.72YrCa	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2928	ALL	504272	3635876	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2929	ALL	504322	3635876	2.99E-07	28.72YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2930	ALL	504372	3635876	2.91E-07	28.72YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2931	ALL	504422	3635876	2.84E-07	28.72YrCa	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2932	ALL	504472	3635876	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2933	ALL	504522	3635876	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2934	ALL	504572	3635876	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2935	ALL	504622	3635876	2.52E-07	28.72YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2936	ALL	504672	3635876	2.44E-07	28.72YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2937	ALL	504722	3635876	2.32E-07	28.72YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2938	ALL	504772	3635876	2.26E-07	28.72YrCa	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2939	ALL	504822	3635876	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2940	ALL	504872	3635876	2.19E-07	28.72YrCa	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2941	ALL	504922	3635876	2.14E-07	28.72YrCa	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2942	ALL	504972	3635876	2.10E-07	28.72YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2943	ALL	505022	3635876	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2944	ALL	505072	3635876	1.98E-07	28.72YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2945	ALL	505122	3635876	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2946	ALL	505172	3635876	1.88E-07	28.72YrCa	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2947	ALL	505222	3635876	1.83E-07	28.72YrCa	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2948	ALL	502222	3635926	1.36E-07	28.72YrCa	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2949	ALL	502272	3635926	1.43E-07	28.72YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2950	ALL	502322	3635926	1.47E-07	28.72YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2951	ALL	502372	3635926	1.53E-07	28.72YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2952	ALL	502422	3635926	1.56E-07	28.72YrCa	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2953	ALL	502472	3635926	1.61E-07	28.72YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2954	ALL	502522	3635926	1.65E-07	28.72YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2955	ALL	502572	3635926	1.70E-07	28.72YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2956	ALL	502622	3635926	1.75E-07	28.72YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2957	ALL	502672	3635926	1.80E-07	28.72YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2958	ALL	502722	3635926	1.86E-07	28.72YrCa	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2959	ALL	502772	3635926	1.91E-07	28.72YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2960	ALL	502822	3635926	1.96E-07	28.72YrCa	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2961	ALL	502872	3635926	2.02E-07	28.72YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2962	ALL	502922	3635926	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2963	ALL	502972	3635926	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2964	ALL	503022	3635926	2.10E-07	28.72YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2965	ALL	503072	3635926	2.14E-07	28.72YrCa	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2966	ALL	503122	3635926	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2967	ALL	503172	3635926	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2968	ALL	503222	3635926	2.28E-07	28.72YrCa	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2969	ALL	503272	3635926	2.34E-07	28.72YrCa	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2970	ALL	503322	3635926	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2971	ALL	503372	3635926	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2972	ALL	503422	3635926	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2973	ALL	503472	3635926	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2974	ALL	503522	3635926	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2975	ALL	503572	3635926	2.68E-07	28.72YrCa	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2976	ALL	503622	3635926	2.83E-07	28.72YrCa	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2977	ALL	503672	3635926	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2978	ALL	503722	3635926	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2979	ALL	503772	3635926	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2980	ALL	503822	3635926	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2981	ALL	503872	3635926	2.88E-07	28.72YrCa	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2982	ALL	503922	3635926	2.90E-07	28.72YrCa	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2983	ALL	503972	3635926	2.93E-07	28.72YrCa	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2984	ALL	504022	3635926	2.94E-07	28.72YrCa	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2985	ALL	504072	3635926	2.97E-07	28.72YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2986	ALL	504122	3635926	2.99E-07	28.72YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2987	ALL	504172	3635926	3.00E-07	28.72YrCa	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2988	ALL	504222	3635926	3.01E-07	28.72YrCa	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2989	ALL	504272	3635926	2.97E-07	28.72YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2990	ALL	504322	3635926	2.90E-07	28.72YrCa	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2991	ALL	504372	3635926	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2992	ALL	504422	3635926	2.81E-07	28.72YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2993	ALL	504472	3635926	2.73E-07	28.72YrCa	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2994	ALL	504522	3635926	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2995	ALL	504572	3635926	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2996	ALL	504622	3635926	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2997	ALL	504672	3635926	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2998	ALL	504722	3635926	2.30E-07	28.72YrCa	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2999	ALL	504772	3635926	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3000	ALL	504822	3635926	2.13E-07	28.72YrCa	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3001	ALL	504872	3635926	2.10E-07	28.72YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3002	ALL	504922	3635926	2.06E-07	28.72YrCa	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3003	ALL	504972	3635926	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3004	ALL	505022	3635926	2.00E-07	28.72YrCa	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3005	ALL	505072	3635926	1.94E-07	28.72YrCa	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3006	ALL	505122	3635926	1.88E-07	28.72YrCa	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3007	ALL	505172	3635926	1.83E-07	28.72YrCa	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3008	ALL	505222	3635926	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3009	ALL	502222	3635976	1.31E-07	28.72YrCa	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3010	ALL	502272	3635976	1.38E-07	28.72YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3011	ALL	502322	3635976	1.42E-07	28.72YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3012	ALL	502372	3635976	1.48E-07	28.72YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3013	ALL	502422	3635976	1.52E-07	28.72YrCa	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3014	ALL	502472	3635976	1.56E-07	28.72YrCa	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3015	ALL	502522	3635976	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3016	ALL	502572	3635976	1.65E-07	28.72YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3017	ALL	502622	3635976	1.70E-07	28.72YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3018	ALL	502672	3635976	1.74E-07	28.72YrCa	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3019	ALL	502722	3635976	1.80E-07	28.72YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3020	ALL	502772	3635976	1.85E-07	28.72YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3021	ALL	502822	3635976	1.89E-07	28.72YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3022	ALL	502872	3635976	1.95E-07	28.72YrCa	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3023	ALL	502922	3635976	1.97E-07	28.72YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3024	ALL	502972	3635976	2.02E-07	28.72YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3025	ALL	503022	3635976	2.02E-07	28.72YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3026	ALL	503072	3635976	2.06E-07	28.72YrCa	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3027	ALL	503122	3635976	2.10E-07	28.72YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3028	ALL	503172	3635976	2.15E-07	28.72YrCa	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3029	ALL	503222	3635976	2.19E-07	28.72YrCa	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3030	ALL	503272	3635976	2.26E-07	28.72YrCa	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3031	ALL	503322	3635976	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3032	ALL	503372	3635976	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3033	ALL	503422	3635976	2.41E-07	28.72YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3034	ALL	503472	3635976	2.40E-07	28.72YrCa	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3035	ALL	503522	3635976	2.48E-07	28.72YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3036	ALL	503572	3635976	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3037	ALL	503622	3635976	2.69E-07	28.72YrCa	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3038	ALL	503672	3635976	2.72E-07	28.72YrCa	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3039	ALL	503722	3635976	2.73E-07	28.72YrCa	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3040	ALL	503772	3635976	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3041	ALL	503822	3635976	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3042	ALL	503872	3635976	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3043	ALL	503922	3635976	2.76E-07	28.72YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3044	ALL	503972	3635976	2.78E-07	28.72YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3045	ALL	504022	3635976	2.82E-07	28.72YrCa	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3046	ALL	504072	3635976	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3047	ALL	504122	3635976	2.87E-07	28.72YrCa	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3048	ALL	504172	3635976	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3049	ALL	504222	3635976	2.89E-07	28.72YrCa	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3050	ALL	504272	3635976	2.86E-07	28.72YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3051	ALL	504322	3635976	2.83E-07	28.72YrCa	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3052	ALL	504372	3635976	2.80E-07	28.72YrCa	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3053	ALL	504422	3635976	2.75E-07	28.72YrCa	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3054	ALL	504472	3635976	2.68E-07	28.72YrCa	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3055	ALL	504522	3635976	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3056	ALL	504572	3635976	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3057	ALL	504622	3635976	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3058	ALL	504672	3635976	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3059	ALL	504722	3635976	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3060	ALL	504772	3635976	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3061	ALL	504822	3635976	2.12E-07	28.72YrCa	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3062	ALL	504872	3635976	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3063	ALL	504922	3635976	2.00E-07	28.72YrCa	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3064	ALL	504972	3635976	1.98E-07	28.72YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3065	ALL	505022	3635976	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3066	ALL	505072	3635976	1.89E-07	28.72YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3067	ALL	505122	3635976	1.84E-07	28.72YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3068	ALL	505172	3635976	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3069	ALL	505222	3635976	1.73E-07	28.72YrCa	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3070	ALL	501722	3632476	2.07E-07	28.72YrCa	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3071	ALL	501822	3632476	2.28E-07	28.72YrCa	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3072	ALL	501922	3632476	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3073	ALL	502022	3632476	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3074	ALL	502122	3632476	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3075	ALL	502222	3632476	2.85E-07	28.72YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3076	ALL	502322	3632476	2.94E-07	28.72YrCa	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3077	ALL	502422	3632476	3.02E-07	28.72YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3078	ALL	502522	3632476	3.10E-07	28.72YrCa	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3079	ALL	502622	3632476	3.18E-07	28.72YrCa	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3080	ALL	502722	3632476	3.21E-07	28.72YrCa	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3081	ALL	502822	3632476	3.26E-07	28.72YrCa	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3082	ALL	502922	3632476	3.24E-07	28.72YrCa	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3083	ALL	503022	3632476	3.23E-07	28.72YrCa	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3084	ALL	503122	3632476	3.20E-07	28.72YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3085	ALL	503222	3632476	3.17E-07	28.72YrCa	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3086	ALL	503322	3632476	3.04E-07	28.72YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3087	ALL	503422	3632476	2.88E-07	28.72YrCa	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3088	ALL	503722	3632476	2.19E-07	28.72YrCa	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3089	ALL	503822	3632476	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3090	ALL	503922	3632476	1.49E-07	28.72YrCa	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3091	ALL	504022	3632476	1.30E-07	28.72YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3092	ALL	504122	3632476	1.22E-07	28.72YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3093	ALL	504222	3632476	1.11E-07	28.72YrCa	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3094	ALL	504322	3632476	1.05E-07	28.72YrCa	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3095	ALL	504422	3632476	1.08E-07	28.72YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3096	ALL	504522	3632476	1.13E-07	28.72YrCa	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3097	ALL	504622	3632476	9.71E-08	28.72YrCa	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3098	ALL	504722	3632476	9.07E-08	28.72YrCa	9.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3099	ALL	504822	3632476	8.94E-08	28.72YrCa	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3100	ALL	504922	3632476	8.64E-08	28.72YrCa	8.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3101	ALL	505022	3632476	8.23E-08	28.72YrCa	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3102	ALL	505122	3632476	8.20E-08	28.72YrCa	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3103	ALL	505222	3632476	7.85E-08	28.72YrCa	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3104	ALL	505322	3632476	7.66E-08	28.72YrCa	7.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3105	ALL	505422	3632476	7.61E-08	28.72YrCa	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3106	ALL	505522	3632476	7.62E-08	28.72YrCa	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3107	ALL	505622	3632476	7.78E-08	28.72YrCa	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3108	ALL	505722	3632476	8.04E-08	28.72YrCa	8.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3109	ALL	501722	3632576	2.75E-07	28.72YrCa	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3110	ALL	501822	3632576	3.08E-07	28.72YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3111	ALL	501922	3632576	3.35E-07	28.72YrCa	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3112	ALL	502022	3632576	3.56E-07	28.72YrCa	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3113	ALL	502122	3632576	3.72E-07	28.72YrCa	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3114	ALL	502222	3632576	3.84E-07	28.72YrCa	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3115	ALL	502322	3632576	3.94E-07	28.72YrCa	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3116	ALL	502422	3632576	4.03E-07	28.72YrCa	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3117	ALL	502522	3632576	4.11E-07	28.72YrCa	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3118	ALL	502622	3632576	4.19E-07	28.72YrCa	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3119	ALL	502722	3632576	4.32E-07	28.72YrCa	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3120	ALL	502822	3632576	4.38E-07	28.72YrCa	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3121	ALL	502922	3632576	4.42E-07	28.72YrCa	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3122	ALL	503022	3632576	4.41E-07	28.72YrCa	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3123	ALL	503122	3632576	4.38E-07	28.72YrCa	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3124	ALL	503222	3632576	4.30E-07	28.72YrCa	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3125	ALL	503322	3632576	4.13E-07	28.72YrCa	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3126	ALL	503422	3632576	3.81E-07	28.72YrCa	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3127	ALL	503722	3632576	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3128	ALL	503822	3632576	1.83E-07	28.72YrCa	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3129	ALL	503922	3632576	1.32E-07	28.72YrCa	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3130	ALL	504022	3632576	1.19E-07	28.72YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3131	ALL	504122	3632576	1.13E-07	28.72YrCa	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3132	ALL	504222	3632576	1.07E-07	28.72YrCa	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3133	ALL	504322	3632576	1.02E-07	28.72YrCa	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3134	ALL	504422	3632576	1.02E-07	28.72YrCa	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3135	ALL	504522	3632576	1.09E-07	28.72YrCa	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3136	ALL	504622	3632576	1.03E-07	28.72YrCa	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3137	ALL	504722	3632576	9.28E-08	28.72YrCa	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3138	ALL	504822	3632576	9.24E-08	28.72YrCa	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3139	ALL	504922	3632576	8.89E-08	28.72YrCa	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3140	ALL	505022	3632576	8.49E-08	28.72YrCa	8.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3141	ALL	505122	3632576	8.52E-08	28.72YrCa	8.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3142	ALL	505222	3632576	8.37E-08	28.72YrCa	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3143	ALL	505322	3632576	8.24E-08	28.72YrCa	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3144	ALL	505422	3632576	8.28E-08	28.72YrCa	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3145	ALL	505522	3632576	8.32E-08	28.72YrCa	8.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3146	ALL	505622	3632576	8.49E-08	28.72YrCa	8.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3147	ALL	505722	3632576	8.57E-08	28.72YrCa	8.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3148	ALL	501722	3632676	4.71E-07	28.72YrCa	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3149	ALL	501822	3632676	5.34E-07	28.72YrCa	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3150	ALL	501922	3632676	5.81E-07	28.72YrCa	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3151	ALL	502022	3632676	6.21E-07	28.72YrCa	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3152	ALL	502122	3632676	6.44E-07	28.72YrCa	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3153	ALL	502222	3632676	6.53E-07	28.72YrCa	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3154	ALL	502322	3632676	6.64E-07	28.72YrCa	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3155	ALL	502422	3632676	6.74E-07	28.72YrCa	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3156	ALL	502522	3632676	6.79E-07	28.72YrCa	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3157	ALL	502622	3632676	6.92E-07	28.72YrCa	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3158	ALL	502722	3632676	7.34E-07	28.72YrCa	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3159	ALL	502822	3632676	7.89E-07	28.72YrCa	7.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3160	ALL	502922	3632676	8.48E-07	28.72YrCa	8.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3161	ALL	503022	3632676	8.60E-07	28.72YrCa	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3162	ALL	503722	3632676	2.64E-07	28.72YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3163	ALL	503822	3632676	2.07E-07	28.72YrCa	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3164	ALL	503922	3632676	1.64E-07	28.72YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3165	ALL	504022	3632676	1.35E-07	28.72YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3166	ALL	504122	3632676	1.21E-07	28.72YrCa	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3167	ALL	504222	3632676	1.13E-07	28.72YrCa	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3168	ALL	504322	3632676	1.08E-07	28.72YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3169	ALL	504422	3632676	1.06E-07	28.72YrCa	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3170	ALL	504522	3632676	1.06E-07	28.72YrCa	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3171	ALL	504622	3632676	1.02E-07	28.72YrCa	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3172	ALL	504722	3632676	9.89E-08	28.72YrCa	9.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3173	ALL	504822	3632676	9.73E-08	28.72YrCa	9.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3174	ALL	504922	3632676	9.37E-08	28.72YrCa	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3175	ALL	505022	3632676	9.11E-08	28.72YrCa	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3176	ALL	505122	3632676	9.04E-08	28.72YrCa	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3177	ALL	505222	3632676	8.94E-08	28.72YrCa	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3178	ALL	505322	3632676	8.81E-08	28.72YrCa	8.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3179	ALL	505422	3632676	8.97E-08	28.72YrCa	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3180	ALL	505522	3632676	9.18E-08	28.72YrCa	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3181	ALL	505622	3632676	9.21E-08	28.72YrCa	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3182	ALL	505722	3632676	8.94E-08	28.72YrCa	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3183	ALL	502422	3632776	1.29E-06	28.72YrCa	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3184	ALL	502522	3632776	1.22E-06	28.72YrCa	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3185	ALL	502622	3632776	1.09E-06	28.72YrCa	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3186	ALL	502722	3632776	9.40E-07	28.72YrCa	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3187	ALL	502822	3632776	8.62E-07	28.72YrCa	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3188	ALL	502922	3632776	8.67E-07	28.72YrCa	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3189	ALL	503022	3632776	7.56E-07	28.72YrCa	7.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3190	ALL	503122	3632776	8.08E-07	28.72YrCa	8.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3191	ALL	503222	3632776	8.02E-07	28.72YrCa	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3192	ALL	503622	3632776	4.46E-07	28.72YrCa	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3193	ALL	503722	3632776	3.15E-07	28.72YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3194	ALL	503822	3632776	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3195	ALL	503922	3632776	1.88E-07	28.72YrCa	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3196	ALL	504022	3632776	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3197	ALL	504122	3632776	1.42E-07	28.72YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3198	ALL	504222	3632776	1.26E-07	28.72YrCa	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3199	ALL	504322	3632776	1.17E-07	28.72YrCa	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3200	ALL	504422	3632776	1.14E-07	28.72YrCa	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3201	ALL	504522	3632776	1.11E-07	28.72YrCa	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3202	ALL	504622	3632776	1.08E-07	28.72YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3203	ALL	504722	3632776	1.06E-07	28.72YrCa	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3204	ALL	504822	3632776	1.03E-07	28.72YrCa	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3205	ALL	504922	3632776	1.01E-07	28.72YrCa	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3206	ALL	505022	3632776	9.87E-08	28.72YrCa	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3207	ALL	505122	3632776	9.75E-08	28.72YrCa	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3208	ALL	505222	3632776	9.60E-08	28.72YrCa	9.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3209	ALL	505322	3632776	9.64E-08	28.72YrCa	9.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3210	ALL	505422	3632776	9.83E-08	28.72YrCa	9.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3211	ALL	505522	3632776	1.00E-07	28.72YrCa	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3212	ALL	505622	3632776	9.99E-08	28.72YrCa	9.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3213	ALL	505722	3632776	9.71E-08	28.72YrCa	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3214	ALL	501722	3632876	3.94E-07	28.72YrCa	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3215	ALL	501822	3632876	4.34E-07	28.72YrCa	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3216	ALL	501922	3632876	4.59E-07	28.72YrCa	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3217	ALL	502022	3632876	4.73E-07	28.72YrCa	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3218	ALL	502122	3632876	4.84E-07	28.72YrCa	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3219	ALL	502222	3632876	4.86E-07	28.72YrCa	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3220	ALL	502322	3632876	4.90E-07	28.72YrCa	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3221	ALL	502422	3632876	4.96E-07	28.72YrCa	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3222	ALL	502522	3632876	4.96E-07	28.72YrCa	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3223	ALL	502622	3632876	4.90E-07	28.72YrCa	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3224	ALL	502722	3632876	4.88E-07	28.72YrCa	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3225	ALL	502822	3632876	4.74E-07	28.72YrCa	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3226	ALL	502922	3632876	4.43E-07	28.72YrCa	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3227	ALL	503022	3632876	2.75E-07	28.72YrCa	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3228	ALL	503122	3632876	3.79E-07	28.72YrCa	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3229	ALL	503222	3632876	4.87E-07	28.72YrCa	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3230	ALL	503322	3632876	5.37E-07	28.72YrCa	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3231	ALL	503422	3632876	6.79E-07	28.72YrCa	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3232	ALL	503622	3632876	6.11E-07	28.72YrCa	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3233	ALL	503722	3632876	3.68E-07	28.72YrCa	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3234	ALL	503822	3632876	2.32E-07	28.72YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3235	ALL	503922	3632876	1.78E-07	28.72YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3236	ALL	504022	3632876	1.61E-07	28.72YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3237	ALL	504122	3632876	1.49E-07	28.72YrCa	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3238	ALL	504222	3632876	1.35E-07	28.72YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3239	ALL	504322	3632876	1.28E-07	28.72YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3240	ALL	504422	3632876	1.22E-07	28.72YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3241	ALL	504522	3632876	1.18E-07	28.72YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3242	ALL	504622	3632876	1.16E-07	28.72YrCa	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3243	ALL	504722	3632876	1.13E-07	28.72YrCa	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3244	ALL	504822	3632876	1.10E-07	28.72YrCa	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3245	ALL	504922	3632876	1.09E-07	28.72YrCa	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3246	ALL	505022	3632876	1.07E-07	28.72YrCa	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3247	ALL	505122	3632876	1.06E-07	28.72YrCa	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3248	ALL	505222	3632876	1.06E-07	28.72YrCa	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3249	ALL	505322	3632876	1.07E-07	28.72YrCa	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3250	ALL	505422	3632876	1.09E-07	28.72YrCa	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3251	ALL	505522	3632876	1.08E-07	28.72YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3252	ALL	505622	3632876	1.08E-07	28.72YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3253	ALL	505722	3632876	1.04E-07	28.72YrCa	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3254	ALL	501722	3632976	2.65E-07	28.72YrCa	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3255	ALL	501822	3632976	2.91E-07	28.72YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3256	ALL	501922	3632976	3.11E-07	28.72YrCa	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3257	ALL	502022	3632976	3.27E-07	28.72YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3258	ALL	502122	3632976	3.39E-07	28.72YrCa	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3259	ALL	505322	3632976	1.19E-07	28.72YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3260	ALL	505422	3632976	1.19E-07	28.72YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3261	ALL	505522	3632976	1.19E-07	28.72YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3262	ALL	505622	3632976	1.16E-07	28.72YrCa	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3263	ALL	505722	3632976	1.12E-07	28.72YrCa	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3264	ALL	501722	3633076	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3265	ALL	501822	3633076	2.36E-07	28.72YrCa	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3266	ALL	501922	3633076	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3267	ALL	502022	3633076	2.67E-07	28.72YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3268	ALL	502122	3633076	2.80E-07	28.72YrCa	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3269	ALL	505322	3633076	1.31E-07	28.72YrCa	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3270	ALL	505422	3633076	1.31E-07	28.72YrCa	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3271	ALL	505522	3633076	1.30E-07	28.72YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3272	ALL	505622	3633076	1.26E-07	28.72YrCa	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3273	ALL	505722	3633076	1.18E-07	28.72YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3274	ALL	501722	3633176	1.95E-07	28.72YrCa	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3275	ALL	501822	3633176	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3276	ALL	501922	3633176	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3277	ALL	502022	3633176	2.37E-07	28.72YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3278	ALL	502122	3633176	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3279	ALL	505322	3633176	1.43E-07	28.72YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3280	ALL	505422	3633176	1.41E-07	28.72YrCa	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3281	ALL	505522	3633176	1.39E-07	28.72YrCa	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3282	ALL	505622	3633176	1.36E-07	28.72YrCa	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3283	ALL	505722	3633176	1.27E-07	28.72YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3284	ALL	501722	3633276	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3285	ALL	501822	3633276	1.95E-07	28.72YrCa	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3286	ALL	501922	3633276	2.08E-07	28.72YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3287	ALL	502022	3633276	2.21E-07	28.72YrCa	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3288	ALL	502122	3633276	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3289	ALL	505322	3633276	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3290	ALL	505422	3633276	1.50E-07	28.72YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3291	ALL	505522	3633276	1.48E-07	28.72YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3292	ALL	505622	3633276	1.46E-07	28.72YrCa	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3293	ALL	505722	3633276	1.37E-07	28.72YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3294	ALL	501722	3633376	1.75E-07	28.72YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3295	ALL	501822	3633376	1.87E-07	28.72YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3296	ALL	501922	3633376	1.99E-07	28.72YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3297	ALL	502022	3633376	2.12E-07	28.72YrCa	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3298	ALL	502122	3633376	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3299	ALL	505322	3633376	1.72E-07	28.72YrCa	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3300	ALL	505422	3633376	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3301	ALL	505522	3633376	1.54E-07	28.72YrCa	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3302	ALL	505622	3633376	1.54E-07	28.72YrCa	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3303	ALL	505722	3633376	1.46E-07	28.72YrCa	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3304	ALL	501722	3633476	1.70E-07	28.72YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3305	ALL	501822	3633476	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3306	ALL	501922	3633476	1.94E-07	28.72YrCa	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3307	ALL	502022	3633476	2.07E-07	28.72YrCa	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3308	ALL	502122	3633476	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3309	ALL	505322	3633476	1.85E-07	28.72YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3310	ALL	505422	3633476	1.70E-07	28.72YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3311	ALL	505522	3633476	1.63E-07	28.72YrCa	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3312	ALL	505622	3633476	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3313	ALL	505722	3633476	1.50E-07	28.72YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3314	ALL	501722	3633576	1.68E-07	28.72YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3315	ALL	501822	3633576	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3316	ALL	501922	3633576	1.91E-07	28.72YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3317	ALL	502022	3633576	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3318	ALL	502122	3633576	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3319	ALL	505322	3633576	1.95E-07	28.72YrCa	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3320	ALL	505422	3633576	1.75E-07	28.72YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3321	ALL	505522	3633576	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3322	ALL	505622	3633576	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3323	ALL	505722	3633576	1.53E-07	28.72YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3324	ALL	501722	3633676	1.67E-07	28.72YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3325	ALL	501822	3633676	1.78E-07	28.72YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3326	ALL	501922	3633676	1.90E-07	28.72YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3327	ALL	502022	3633676	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3328	ALL	502122	3633676	2.19E-07	28.72YrCa	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3329	ALL	505322	3633676	1.97E-07	28.72YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3330	ALL	505422	3633676	1.75E-07	28.72YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3331	ALL	505522	3633676	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3332	ALL	505622	3633676	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3333	ALL	505722	3633676	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3334	ALL	501722	3633776	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3335	ALL	501822	3633776	1.78E-07	28.72YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3336	ALL	501922	3633776	1.90E-07	28.72YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3337	ALL	502022	3633776	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3338	ALL	502122	3633776	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3339	ALL	505322	3633776	2.01E-07	28.72YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3340	ALL	505422	3633776	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3341	ALL	505522	3633776	1.68E-07	28.72YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3342	ALL	505622	3633776	1.62E-07	28.72YrCa	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3343	ALL	505722	3633776	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3344	ALL	501722	3633876	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3345	ALL	501822	3633876	1.78E-07	28.72YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3346	ALL	501922	3633876	1.90E-07	28.72YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3347	ALL	502022	3633876	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3348	ALL	502122	3633876	2.21E-07	28.72YrCa	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3349	ALL	505322	3633876	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3350	ALL	505422	3633876	1.88E-07	28.72YrCa	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3351	ALL	505522	3633876	1.73E-07	28.72YrCa	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3352	ALL	505622	3633876	1.61E-07	28.72YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3353	ALL	505722	3633876	1.58E-07	28.72YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3354	ALL	501722	3633976	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3355	ALL	501822	3633976	1.78E-07	28.72YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3356	ALL	501922	3633976	1.92E-07	28.72YrCa	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3357	ALL	502022	3633976	2.07E-07	28.72YrCa	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3358	ALL	502122	3633976	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3359	ALL	505322	3633976	2.03E-07	28.72YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3360	ALL	505422	3633976	1.87E-07	28.72YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3361	ALL	505522	3633976	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3362	ALL	505622	3633976	1.59E-07	28.72YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3363	ALL	505722	3633976	1.52E-07	28.72YrCa	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3364	ALL	501722	3634076	1.67E-07	28.72YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3365	ALL	501822	3634076	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3366	ALL	501922	3634076	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3367	ALL	502022	3634076	2.08E-07	28.72YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3368	ALL	502122	3634076	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3369	ALL	505322	3634076	1.96E-07	28.72YrCa	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3370	ALL	505422	3634076	1.81E-07	28.72YrCa	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3371	ALL	505522	3634076	1.73E-07	28.72YrCa	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3372	ALL	505622	3634076	1.63E-07	28.72YrCa	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3373	ALL	505722	3634076	1.46E-07	28.72YrCa	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3374	ALL	501722	3634176	1.67E-07	28.72YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3375	ALL	501822	3634176	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3376	ALL	501922	3634176	1.94E-07	28.72YrCa	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3377	ALL	502022	3634176	2.08E-07	28.72YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3378	ALL	502122	3634176	2.27E-07	28.72YrCa	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3379	ALL	505322	3634176	2.03E-07	28.72YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3380	ALL	505422	3634176	1.91E-07	28.72YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3381	ALL	505522	3634176	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3382	ALL	505622	3634176	1.56E-07	28.72YrCa	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3383	ALL	505722	3634176	1.38E-07	28.72YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3384	ALL	501722	3634276	1.67E-07	28.72YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3385	ALL	501822	3634276	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3386	ALL	501922	3634276	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3387	ALL	502022	3634276	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3388	ALL	502122	3634276	2.27E-07	28.72YrCa	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3389	ALL	505322	3634276	2.19E-07	28.72YrCa	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3390	ALL	505422	3634276	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3391	ALL	505522	3634276	1.68E-07	28.72YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3392	ALL	505622	3634276	1.51E-07	28.72YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3393	ALL	505722	3634276	1.34E-07	28.72YrCa	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3394	ALL	501722	3634376	1.67E-07	28.72YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3395	ALL	501822	3634376	1.80E-07	28.72YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3396	ALL	501922	3634376	1.94E-07	28.72YrCa	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3397	ALL	502022	3634376	2.10E-07	28.72YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3398	ALL	502122	3634376	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3399	ALL	505322	3634376	2.28E-07	28.72YrCa	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3400	ALL	505422	3634376	2.06E-07	28.72YrCa	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3401	ALL	505522	3634376	1.61E-07	28.72YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3402	ALL	505622	3634376	1.41E-07	28.72YrCa	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3403	ALL	505722	3634376	1.29E-07	28.72YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3404	ALL	501722	3634476	1.67E-07	28.72YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3405	ALL	501822	3634476	1.80E-07	28.72YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3406	ALL	501922	3634476	1.95E-07	28.72YrCa	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3407	ALL	502022	3634476	2.12E-07	28.72YrCa	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3408	ALL	502122	3634476	2.30E-07	28.72YrCa	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3409	ALL	505322	3634476	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3410	ALL	505422	3634476	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3411	ALL	505522	3634476	1.87E-07	28.72YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3412	ALL	505622	3634476	1.54E-07	28.72YrCa	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3413	ALL	505722	3634476	1.30E-07	28.72YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3414	ALL	501722	3634576	1.67E-07	28.72YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3415	ALL	501822	3634576	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3416	ALL	501922	3634576	1.94E-07	28.72YrCa	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3417	ALL	502022	3634576	2.11E-07	28.72YrCa	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3418	ALL	502122	3634576	2.30E-07	28.72YrCa	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3419	ALL	505322	3634576	2.19E-07	28.72YrCa	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3420	ALL	505422	3634576	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3421	ALL	505522	3634576	2.14E-07	28.72YrCa	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3422	ALL	505622	3634576	1.65E-07	28.72YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3423	ALL	505722	3634576	1.36E-07	28.72YrCa	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3424	ALL	501722	3634676	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3425	ALL	501822	3634676	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3426	ALL	501922	3634676	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3427	ALL	502022	3634676	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3428	ALL	502122	3634676	2.27E-07	28.72YrCa	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3429	ALL	505322	3634676	2.22E-07	28.72YrCa	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3430	ALL	505422	3634676	2.44E-07	28.72YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3431	ALL	505522	3634676	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3432	ALL	505622	3634676	2.00E-07	28.72YrCa	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3433	ALL	505722	3634676	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3434	ALL	501722	3634776	1.64E-07	28.72YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3435	ALL	501822	3634776	1.77E-07	28.72YrCa	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3436	ALL	501922	3634776	1.90E-07	28.72YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3437	ALL	502022	3634776	2.07E-07	28.72YrCa	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3438	ALL	502122	3634776	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3439	ALL	505322	3634776	2.24E-07	28.72YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3440	ALL	505422	3634776	2.63E-07	28.72YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3441	ALL	505522	3634776	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3442	ALL	505622	3634776	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3443	ALL	505722	3634776	1.88E-07	28.72YrCa	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3444	ALL	501722	3634876	1.62E-07	28.72YrCa	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3445	ALL	501822	3634876	1.74E-07	28.72YrCa	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3446	ALL	501922	3634876	1.87E-07	28.72YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3447	ALL	502022	3634876	2.02E-07	28.72YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3448	ALL	502122	3634876	2.19E-07	28.72YrCa	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3449	ALL	505322	3634876	2.40E-07	28.72YrCa	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3450	ALL	505422	3634876	2.59E-07	28.72YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3451	ALL	505522	3634876	2.39E-07	28.72YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3452	ALL	505622	3634876	2.21E-07	28.72YrCa	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3453	ALL	505722	3634876	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3454	ALL	501722	3634976	1.59E-07	28.72YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3455	ALL	501822	3634976	1.70E-07	28.72YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3456	ALL	501922	3634976	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3457	ALL	502022	3634976	1.97E-07	28.72YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3458	ALL	502122	3634976	2.13E-07	28.72YrCa	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3459	ALL	505322	3634976	2.51E-07	28.72YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3460	ALL	505422	3634976	2.52E-07	28.72YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3461	ALL	505522	3634976	2.34E-07	28.72YrCa	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3462	ALL	505622	3634976	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3463	ALL	505722	3634976	2.02E-07	28.72YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3464	ALL	501722	3635076	1.64E-07	28.72YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3465	ALL	501822	3635076	1.69E-07	28.72YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3466	ALL	501922	3635076	2.03E-07	28.72YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3467	ALL	502022	3635076	2.14E-07	28.72YrCa	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3468	ALL	502122	3635076	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3469	ALL	505322	3635076	2.56E-07	28.72YrCa	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3470	ALL	505422	3635076	2.47E-07	28.72YrCa	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3471	ALL	505522	3635076	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3472	ALL	505622	3635076	2.13E-07	28.72YrCa	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3473	ALL	505722	3635076	1.98E-07	28.72YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3474	ALL	501722	3635176	1.72E-07	28.72YrCa	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3475	ALL	501822	3635176	1.80E-07	28.72YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3476	ALL	501922	3635176	1.96E-07	28.72YrCa	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3477	ALL	502022	3635176	2.06E-07	28.72YrCa	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3478	ALL	502122	3635176	2.07E-07	28.72YrCa	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3479	ALL	505322	3635176	2.74E-07	28.72YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3480	ALL	505422	3635176	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3481	ALL	505522	3635176	2.33E-07	28.72YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3482	ALL	505622	3635176	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3483	ALL	505722	3635176	1.99E-07	28.72YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3484	ALL	501722	3635276	1.67E-07	28.72YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3485	ALL	501822	3635276	1.75E-07	28.72YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3486	ALL	501922	3635276	1.84E-07	28.72YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3487	ALL	502022	3635276	1.94E-07	28.72YrCa	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3488	ALL	502122	3635276	2.02E-07	28.72YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3489	ALL	505622	3635276	2.54E-07	28.72YrCa	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3490	ALL	505722	3635276	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3491	ALL	501722	3635376	1.54E-07	28.72YrCa	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3492	ALL	501822	3635376	1.62E-07	28.72YrCa	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3493	ALL	501922	3635376	1.70E-07	28.72YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3494	ALL	502022	3635376	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3495	ALL	502122	3635376	1.89E-07	28.72YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3496	ALL	505622	3635376	2.49E-07	28.72YrCa	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3497	ALL	501722	3635476	1.41E-07	28.72YrCa	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3498	ALL	501822	3635476	1.48E-07	28.72YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3499	ALL	501922	3635476	1.58E-07	28.72YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3500	ALL	502022	3635476	1.67E-07	28.72YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3501	ALL	502122	3635476	1.76E-07	28.72YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3502	ALL	505622	3635476	1.92E-07	28.72YrCa	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3503	ALL	505722	3635476	1.84E-07	28.72YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3504	ALL	501722	3635576	1.30E-07	28.72YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3505	ALL	501822	3635576	1.37E-07	28.72YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3506	ALL	501922	3635576	1.46E-07	28.72YrCa	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3507	ALL	502022	3635576	1.54E-07	28.72YrCa	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3508	ALL	502122	3635576	1.62E-07	28.72YrCa	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3509	ALL	505322	3635576	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3510	ALL	505422	3635576	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3511	ALL	505522	3635576	1.83E-07	28.72YrCa	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3512	ALL	505622	3635576	1.73E-07	28.72YrCa	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3513	ALL	505722	3635576	1.64E-07	28.72YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3514	ALL	501722	3635676	1.20E-07	28.72YrCa	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3515	ALL	501822	3635676	1.28E-07	28.72YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3516	ALL	501922	3635676	1.35E-07	28.72YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3517	ALL	502022	3635676	1.43E-07	28.72YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3518	ALL	502122	3635676	1.49E-07	28.72YrCa	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3519	ALL	505322	3635676	1.90E-07	28.72YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3520	ALL	505422	3635676	1.79E-07	28.72YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3521	ALL	505522	3635676	1.70E-07	28.72YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3522	ALL	505622	3635676	1.61E-07	28.72YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3523	ALL	505722	3635676	1.52E-07	28.72YrCa	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3524	ALL	501722	3635776	1.10E-07	28.72YrCa	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3525	ALL	501822	3635776	1.19E-07	28.72YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3526	ALL	501922	3635776	1.27E-07	28.72YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3527	ALL	502022	3635776	1.33E-07	28.72YrCa	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3528	ALL	502122	3635776	1.40E-07	28.72YrCa	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3529	ALL	505322	3635776	1.81E-07	28.72YrCa	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3530	ALL	505422	3635776	1.70E-07	28.72YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3531	ALL	505522	3635776	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3532	ALL	505622	3635776	1.51E-07	28.72YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3533	ALL	505722	3635776	1.43E-07	28.72YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3534	ALL	501722	3635876	1.01E-07	28.72YrCa	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3535	ALL	501822	3635876	1.10E-07	28.72YrCa	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3536	ALL	501922	3635876	1.19E-07	28.72YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3537	ALL	502022	3635876	1.25E-07	28.72YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3538	ALL	502122	3635876	1.32E-07	28.72YrCa	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3539	ALL	505322	3635876	1.74E-07	28.72YrCa	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3540	ALL	505422	3635876	1.62E-07	28.72YrCa	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3541	ALL	505522	3635876	1.52E-07	28.72YrCa	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3542	ALL	505622	3635876	1.44E-07	28.72YrCa	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3543	ALL	505722	3635876	1.36E-07	28.72YrCa	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3544	ALL	501722	3635976	9.55E-08	28.72YrCa	9.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3545	ALL	501822	3635976	1.04E-07	28.72YrCa	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3546	ALL	501922	3635976	1.11E-07	28.72YrCa	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3547	ALL	502022	3635976	1.17E-07	28.72YrCa	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3548	ALL	502122	3635976	1.23E-07	28.72YrCa	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3549	ALL	505322	3635976	1.65E-07	28.72YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3550	ALL	505422	3635976	1.55E-07	28.72YrCa	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3551	ALL	505522	3635976	1.46E-07	28.72YrCa	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3552	ALL	505622	3635976	1.38E-07	28.72YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3553	ALL	505722	3635976	1.30E-07	28.72YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3554	ALL	501722	3636076	9.19E-08	28.72YrCa	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3555	ALL	501822	3636076	9.79E-08	28.72YrCa	9.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3556	ALL	501922	3636076	1.04E-07	28.72YrCa	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3557	ALL	502022	3636076	1.10E-07	28.72YrCa	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3558	ALL	502122	3636076	1.16E-07	28.72YrCa	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3559	ALL	502222	3636076	1.24E-07	28.72YrCa	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3560	ALL	502322	3636076	1.34E-07	28.72YrCa	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3561	ALL	502422	3636076	1.43E-07	28.72YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3562	ALL	502522	3636076	1.51E-07	28.72YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3563	ALL	502622	3636076	1.59E-07	28.72YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3564	ALL	502722	3636076	1.69E-07	28.72YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3565	ALL	502822	3636076	1.77E-07	28.72YrCa	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3566	ALL	502922	3636076	1.84E-07	28.72YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3567	ALL	503022	3636076	1.90E-07	28.72YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3568	ALL	503122	3636076	1.91E-07	28.72YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3569	ALL	503222	3636076	2.02E-07	28.72YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3570	ALL	503322	3636076	2.16E-07	28.72YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3571	ALL	503422	3636076	2.28E-07	28.72YrCa	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3572	ALL	503522	3636076	2.38E-07	28.72YrCa	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3573	ALL	503622	3636076	2.45E-07	28.72YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3574	ALL	503722	3636076	2.48E-07	28.72YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3575	ALL	503822	3636076	2.50E-07	28.72YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3576	ALL	503922	3636076	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3577	ALL	504022	3636076	2.57E-07	28.72YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3578	ALL	504122	3636076	2.60E-07	28.72YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3579	ALL	504222	3636076	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3580	ALL	504322	3636076	2.61E-07	28.72YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3581	ALL	504422	3636076	2.53E-07	28.72YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3582	ALL	504522	3636076	2.42E-07	28.72YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3583	ALL	504622	3636076	2.34E-07	28.72YrCa	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3584	ALL	504722	3636076	2.25E-07	28.72YrCa	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3585	ALL	504822	3636076	2.08E-07	28.72YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3586	ALL	504922	3636076	1.93E-07	28.72YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3587	ALL	505022	3636076	1.83E-07	28.72YrCa	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3588	ALL	505122	3636076	1.74E-07	28.72YrCa	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3589	ALL	505222	3636076	1.65E-07	28.72YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3590	ALL	505322	3636076	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3591	ALL	505422	3636076	1.47E-07	28.72YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3592	ALL	505522	3636076	1.40E-07	28.72YrCa	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3593	ALL	505622	3636076	1.33E-07	28.72YrCa	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3594	ALL	505722	3636076	1.26E-07	28.72YrCa	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3595	ALL	501722	3636176	8.59E-08	28.72YrCa	8.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3596	ALL	501822	3636176	9.18E-08	28.72YrCa	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3597	ALL	501922	3636176	9.86E-08	28.72YrCa	9.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3598	ALL	502022	3636176	1.04E-07	28.72YrCa	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3599	ALL	502122	3636176	1.10E-07	28.72YrCa	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3600	ALL	502222	3636176	1.18E-07	28.72YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3601	ALL	502322	3636176	1.28E-07	28.72YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3602	ALL	502422	3636176	1.36E-07	28.72YrCa	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3603	ALL	502522	3636176	1.43E-07	28.72YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3604	ALL	502622	3636176	1.51E-07	28.72YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3605	ALL	502722	3636176	1.58E-07	28.72YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3606	ALL	502822	3636176	1.65E-07	28.72YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3607	ALL	502922	3636176	1.71E-07	28.72YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3608	ALL	503022	3636176	1.74E-07	28.72YrCa	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3609	ALL	503122	3636176	1.69E-07	28.72YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3610	ALL	503222	3636176	1.84E-07	28.72YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3611	ALL	503322	3636176	1.98E-07	28.72YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3612	ALL	503422	3636176	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3613	ALL	503522	3636176	2.17E-07	28.72YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3614	ALL	503622	3636176	2.23E-07	28.72YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3615	ALL	503722	3636176	2.26E-07	28.72YrCa	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3616	ALL	503822	3636176	2.26E-07	28.72YrCa	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3617	ALL	503922	3636176	2.28E-07	28.72YrCa	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3618	ALL	504022	3636176	2.29E-07	28.72YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3619	ALL	504122	3636176	2.28E-07	28.72YrCa	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3620	ALL	504222	3636176	2.30E-07	28.72YrCa	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3621	ALL	504322	3636176	2.20E-07	28.72YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3622	ALL	504422	3636176	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3623	ALL	504522	3636176	1.78E-07	28.72YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3624	ALL	504622	3636176	1.89E-07	28.72YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3625	ALL	504722	3636176	2.09E-07	28.72YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3626	ALL	504822	3636176	2.01E-07	28.72YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3627	ALL	504922	3636176	1.91E-07	28.72YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3628	ALL	505022	3636176	1.78E-07	28.72YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3629	ALL	505122	3636176	1.65E-07	28.72YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3630	ALL	505222	3636176	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3631	ALL	505322	3636176	1.51E-07	28.72YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3632	ALL	505422	3636176	1.43E-07	28.72YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3633	ALL	505522	3636176	1.35E-07	28.72YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3634	ALL	505622	3636176	1.28E-07	28.72YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3635	ALL	505722	3636176	1.21E-07	28.72YrCa	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3636	ALL	501722	3636276	8.22E-08	28.72YrCa	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3637	ALL	501822	3636276	8.74E-08	28.72YrCa	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3638	ALL	501922	3636276	9.36E-08	28.72YrCa	9.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3639	ALL	502022	3636276	9.99E-08	28.72YrCa	9.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3640	ALL	502122	3636276	1.07E-07	28.72YrCa	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3641	ALL	502222	3636276	1.15E-07	28.72YrCa	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3642	ALL	502322	3636276	1.22E-07	28.72YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3643	ALL	502422	3636276	1.29E-07	28.72YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3644	ALL	502522	3636276	1.36E-07	28.72YrCa	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3645	ALL	502622	3636276	1.42E-07	28.72YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3646	ALL	502722	3636276	1.48E-07	28.72YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3647	ALL	502822	3636276	1.53E-07	28.72YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3648	ALL	502922	3636276	1.58E-07	28.72YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3649	ALL	503022	3636276	1.63E-07	28.72YrCa	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3650	ALL	503122	3636276	1.63E-07	28.72YrCa	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3651	ALL	503222	3636276	1.66E-07	28.72YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3652	ALL	503322	3636276	1.76E-07	28.72YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3653	ALL	503422	3636276	1.88E-07	28.72YrCa	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3654	ALL	503522	3636276	1.96E-07	28.72YrCa	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3655	ALL	503622	3636276	2.02E-07	28.72YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3656	ALL	503722	3636276	2.04E-07	28.72YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3657	ALL	503822	3636276	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3658	ALL	503922	3636276	2.05E-07	28.72YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3659	ALL	504022	3636276	2.03E-07	28.72YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3660	ALL	504122	3636276	1.97E-07	28.72YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3661	ALL	504222	3636276	1.82E-07	28.72YrCa	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3662	ALL	504322	3636276	1.50E-07	28.72YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3663	ALL	504422	3636276	1.44E-07	28.72YrCa	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3664	ALL	504522	3636276	1.38E-07	28.72YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3665	ALL	504622	3636276	1.49E-07	28.72YrCa	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3666	ALL	504722	3636276	1.67E-07	28.72YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3667	ALL	504822	3636276	1.53E-07	28.72YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3668	ALL	504922	3636276	1.75E-07	28.72YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3669	ALL	505022	3636276	1.69E-07	28.72YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3670	ALL	505122	3636276	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3671	ALL	505222	3636276	1.50E-07	28.72YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3672	ALL	505322	3636276	1.45E-07	28.72YrCa	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3673	ALL	505422	3636276	1.38E-07	28.72YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3674	ALL	505522	3636276	1.31E-07	28.72YrCa	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3675	ALL	505622	3636276	1.24E-07	28.72YrCa	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3676	ALL	505722	3636276	1.18E-07	28.72YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3677	ALL	501722	3636376	7.85E-08	28.72YrCa	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3678	ALL	501822	3636376	8.38E-08	28.72YrCa	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3679	ALL	501922	3636376	9.04E-08	28.72YrCa	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3680	ALL	502022	3636376	9.61E-08	28.72YrCa	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3681	ALL	502122	3636376	1.03E-07	28.72YrCa	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3682	ALL	502222	3636376	1.09E-07	28.72YrCa	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3683	ALL	502322	3636376	1.16E-07	28.72YrCa	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3684	ALL	502422	3636376	1.23E-07	28.72YrCa	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3685	ALL	502522	3636376	1.29E-07	28.72YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3686	ALL	502622	3636376	1.35E-07	28.72YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3687	ALL	502722	3636376	1.38E-07	28.72YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3688	ALL	502822	3636376	1.41E-07	28.72YrCa	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3689	ALL	502922	3636376	1.44E-07	28.72YrCa	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3690	ALL	503022	3636376	1.47E-07	28.72YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3691	ALL	503122	3636376	1.47E-07	28.72YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3692	ALL	503222	3636376	1.48E-07	28.72YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3693	ALL	503322	3636376	1.56E-07	28.72YrCa	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3694	ALL	503422	3636376	1.70E-07	28.72YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3695	ALL	503522	3636376	1.76E-07	28.72YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3696	ALL	503622	3636376	1.81E-07	28.72YrCa	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3697	ALL	503722	3636376	1.85E-07	28.72YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3698	ALL	503822	3636376	1.85E-07	28.72YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3699	ALL	503922	3636376	1.81E-07	28.72YrCa	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3700	ALL	504022	3636376	1.78E-07	28.72YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3701	ALL	504122	3636376	1.68E-07	28.72YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3702	ALL	504222	3636376	1.48E-07	28.72YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3703	ALL	504322	3636376	1.33E-07	28.72YrCa	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3704	ALL	504422	3636376	1.27E-07	28.72YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3705	ALL	504522	3636376	1.25E-07	28.72YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3706	ALL	504622	3636376	1.30E-07	28.72YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3707	ALL	504722	3636376	1.38E-07	28.72YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3708	ALL	504822	3636376	1.27E-07	28.72YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3709	ALL	504922	3636376	1.27E-07	28.72YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3710	ALL	505022	3636376	1.57E-07	28.72YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3711	ALL	505122	3636376	1.53E-07	28.72YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3712	ALL	505222	3636376	1.46E-07	28.72YrCa	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3713	ALL	505322	3636376	1.39E-07	28.72YrCa	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3714	ALL	505422	3636376	1.33E-07	28.72YrCa	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3715	ALL	505522	3636376	1.27E-07	28.72YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3716	ALL	505622	3636376	1.21E-07	28.72YrCa	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3717	ALL	505722	3636376	1.15E-07	28.72YrCa	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3718	ALL	501722	3636476	7.35E-08	28.72YrCa	7.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3719	ALL	501822	3636476	7.90E-08	28.72YrCa	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3720	ALL	501922	3636476	8.68E-08	28.72YrCa	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3721	ALL	502022	3636476	9.16E-08	28.72YrCa	9.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3722	ALL	502122	3636476	9.71E-08	28.72YrCa	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3723	ALL	502222	3636476	1.04E-07	28.72YrCa	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3724	ALL	502322	3636476	1.11E-07	28.72YrCa	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3725	ALL	502422	3636476	1.17E-07	28.72YrCa	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3726	ALL	502522	3636476	1.22E-07	28.72YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3727	ALL	502622	3636476	1.27E-07	28.72YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3728	ALL	502722	3636476	1.30E-07	28.72YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3729	ALL	502822	3636476	1.30E-07	28.72YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3730	ALL	502922	3636476	1.32E-07	28.72YrCa	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3731	ALL	503022	3636476	1.33E-07	28.72YrCa	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3732	ALL	503122	3636476	1.32E-07	28.72YrCa	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3733	ALL	503222	3636476	1.32E-07	28.72YrCa	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3734	ALL	503322	3636476	1.41E-07	28.72YrCa	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3735	ALL	503422	3636476	1.51E-07	28.72YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3736	ALL	503522	3636476	1.58E-07	28.72YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3737	ALL	503622	3636476	1.62E-07	28.72YrCa	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3738	ALL	503722	3636476	1.67E-07	28.72YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3739	ALL	503822	3636476	1.64E-07	28.72YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3740	ALL	503922	3636476	1.60E-07	28.72YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3741	ALL	504022	3636476	1.35E-07	28.72YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3742	ALL	504122	3636476	1.38E-07	28.72YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3743	ALL	504222	3636476	1.37E-07	28.72YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3744	ALL	504322	3636476	1.20E-07	28.72YrCa	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3745	ALL	504422	3636476	1.16E-07	28.72YrCa	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3746	ALL	504522	3636476	1.14E-07	28.72YrCa	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3747	ALL	504622	3636476	1.13E-07	28.72YrCa	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3748	ALL	504722	3636476	1.13E-07	28.72YrCa	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3749	ALL	504822	3636476	1.12E-07	28.72YrCa	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3750	ALL	504922	3636476	1.18E-07	28.72YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3751	ALL	505022	3636476	1.44E-07	28.72YrCa	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3752	ALL	505122	3636476	1.47E-07	28.72YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3753	ALL	505222	3636476	1.40E-07	28.72YrCa	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3754	ALL	505322	3636476	1.34E-07	28.72YrCa	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3755	ALL	505422	3636476	1.27E-07	28.72YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3756	ALL	505522	3636476	1.22E-07	28.72YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3757	ALL	505622	3636476	1.17E-07	28.72YrCa	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3758	ALL	505722	3636476	1.11E-07	28.72YrCa	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3.80E-06

3.80E+00

Cancer REC	Construction RISK_SUM	Operation RISK_SUM	Total Combined
1	9.57E-08	3.29E-07	4.25E-07
2	9.98E-08	3.41E-07	4.41E-07
3	1.04E-07	3.55E-07	4.59E-07
4	1.09E-07	3.69E-07	4.78E-07
5	1.13E-07	3.84E-07	4.97E-07
6	1.18E-07	4.00E-07	5.18E-07
7	1.23E-07	4.18E-07	5.41E-07
8	1.28E-07	4.37E-07	5.65E-07
9	1.34E-07	4.58E-07	5.92E-07
10	1.39E-07	4.80E-07	6.19E-07
11	1.44E-07	5.08E-07	6.52E-07
12	1.49E-07	5.38E-07	6.87E-07
13	1.26E-07	5.12E-07	6.38E-07
14	9.37E-08	4.72E-07	5.66E-07
15	9.54E-08	5.38E-07	6.33E-07
16	9.82E-08	6.65E-07	7.63E-07
17	1.03E-07	1.06E-06	1.16E-06
18	1.05E-07	8.79E-07	9.84E-07
19	9.31E-08	5.64E-07	6.57E-07
20	8.55E-08	4.44E-07	5.30E-07
21	8.66E-08	4.10E-07	4.97E-07
22	8.29E-08	3.63E-07	4.46E-07
23	8.33E-08	3.44E-07	4.27E-07
24	8.99E-08	3.56E-07	4.46E-07
25	9.09E-08	3.45E-07	4.36E-07
26	8.70E-08	3.19E-07	4.06E-07
27	8.83E-08	3.15E-07	4.03E-07
28	9.20E-08	3.21E-07	4.13E-07
29	8.84E-08	3.02E-07	3.90E-07
30	9.03E-08	3.04E-07	3.94E-07
31	9.36E-08	3.10E-07	4.04E-07
32	9.37E-08	3.06E-07	4.00E-07
33	8.53E-08	2.75E-07	3.60E-07
34	8.00E-08	2.53E-07	3.33E-07
35	7.72E-08	2.41E-07	3.18E-07
36	7.64E-08	2.35E-07	3.11E-07
37	7.79E-08	2.38E-07	3.16E-07
38	8.03E-08	2.43E-07	3.23E-07
39	8.14E-08	2.45E-07	3.26E-07
40	8.36E-08	2.51E-07	3.35E-07
41	9.95E-08	3.33E-07	4.33E-07
42	1.04E-07	3.46E-07	4.50E-07

43	1.09E-07	3.60E-07	4.69E-07
44	1.14E-07	3.76E-07	4.90E-07
45	1.19E-07	3.93E-07	5.12E-07
46	1.24E-07	4.10E-07	5.34E-07
47	1.30E-07	4.29E-07	5.59E-07
48	1.36E-07	4.50E-07	5.86E-07
49	1.41E-07	4.72E-07	6.13E-07
50	1.48E-07	4.96E-07	6.44E-07
51	1.54E-07	5.25E-07	6.79E-07
52	1.59E-07	5.58E-07	7.17E-07
53	1.61E-07	5.79E-07	7.40E-07
54	1.26E-07	5.46E-07	6.72E-07
55	1.22E-07	6.00E-07	7.22E-07
56	1.23E-07	7.19E-07	8.42E-07
57	1.20E-07	1.03E-06	1.15E-06
58	1.29E-07	1.12E-06	1.25E-06
59	1.20E-07	7.53E-07	8.73E-07
60	1.20E-07	6.26E-07	7.46E-07
61	1.08E-07	5.01E-07	6.09E-07
62	9.75E-08	4.19E-07	5.17E-07
63	1.01E-07	4.12E-07	5.13E-07
64	1.10E-07	4.24E-07	5.34E-07
65	1.06E-07	3.96E-07	5.02E-07
66	1.00E-07	3.61E-07	4.61E-07
67	1.02E-07	3.59E-07	4.61E-07
68	1.07E-07	3.69E-07	4.76E-07
69	1.08E-07	3.63E-07	4.71E-07
70	1.09E-07	3.60E-07	4.69E-07
71	1.06E-07	3.44E-07	4.50E-07
72	9.24E-08	2.97E-07	3.89E-07
73	8.79E-08	2.78E-07	3.66E-07
74	8.47E-08	2.64E-07	3.49E-07
75	8.33E-08	2.55E-07	3.38E-07
76	8.51E-08	2.59E-07	3.44E-07
77	8.83E-08	2.67E-07	3.55E-07
78	9.07E-08	2.73E-07	3.64E-07
79	9.10E-08	2.71E-07	3.62E-07
80	9.04E-08	2.68E-07	3.58E-07
81	1.03E-07	3.38E-07	4.41E-07
82	1.08E-07	3.52E-07	4.60E-07
83	1.13E-07	3.67E-07	4.80E-07
84	1.19E-07	3.84E-07	5.03E-07
85	1.25E-07	4.02E-07	5.27E-07
86	1.31E-07	4.21E-07	5.52E-07

87	1.37E-07	4.42E-07	5.79E-07
88	1.43E-07	4.64E-07	6.07E-07
89	1.50E-07	4.88E-07	6.38E-07
90	1.57E-07	5.14E-07	6.71E-07
91	1.64E-07	5.45E-07	7.09E-07
92	1.71E-07	5.79E-07	7.50E-07
93	1.77E-07	6.12E-07	7.89E-07
94	1.58E-07	6.08E-07	7.66E-07
95	1.56E-07	6.58E-07	8.14E-07
96	1.53E-07	7.46E-07	8.99E-07
97	1.61E-07	9.71E-07	1.13E-06
98	1.42E-07	1.26E-06	1.40E-06
99	1.43E-07	8.75E-07	1.02E-06
100	1.46E-07	7.33E-07	8.79E-07
101	1.33E-07	6.00E-07	7.33E-07
102	1.24E-07	5.17E-07	6.41E-07
103	1.32E-07	5.16E-07	6.48E-07
104	1.33E-07	4.97E-07	6.30E-07
105	1.26E-07	4.55E-07	5.81E-07
106	1.24E-07	4.37E-07	5.61E-07
107	1.21E-07	4.17E-07	5.38E-07
108	1.26E-07	4.20E-07	5.46E-07
109	1.27E-07	4.16E-07	5.43E-07
110	1.29E-07	4.15E-07	5.44E-07
111	1.13E-07	3.62E-07	4.75E-07
112	9.92E-08	3.14E-07	4.13E-07
113	9.51E-08	2.96E-07	3.91E-07
114	9.15E-08	2.80E-07	3.72E-07
115	9.18E-08	2.78E-07	3.70E-07
116	9.61E-08	2.89E-07	3.85E-07
117	1.01E-07	3.03E-07	4.04E-07
118	9.97E-08	2.96E-07	3.96E-07
119	9.85E-08	2.90E-07	3.89E-07
120	9.76E-08	2.85E-07	3.83E-07
121	1.07E-07	3.44E-07	4.51E-07
122	1.13E-07	3.59E-07	4.72E-07
123	1.18E-07	3.75E-07	4.93E-07
124	1.24E-07	3.93E-07	5.17E-07
125	1.31E-07	4.12E-07	5.43E-07
126	1.37E-07	4.33E-07	5.70E-07
127	1.44E-07	4.56E-07	6.00E-07
128	1.52E-07	4.79E-07	6.31E-07
129	1.59E-07	5.05E-07	6.64E-07
130	1.67E-07	5.34E-07	7.01E-07

131	1.75E-07	5.66E-07	7.41E-07
132	1.84E-07	6.03E-07	7.87E-07
133	1.92E-07	6.45E-07	8.37E-07
134	1.93E-07	6.75E-07	8.68E-07
135	1.78E-07	6.94E-07	8.72E-07
136	1.76E-07	7.72E-07	9.48E-07
137	1.80E-07	9.50E-07	1.13E-06
138	1.66E-07	1.57E-06	1.74E-06
139	1.58E-07	9.63E-07	1.12E-06
140	1.65E-07	8.10E-07	9.75E-07
141	1.49E-07	6.49E-07	7.98E-07
142	1.47E-07	5.93E-07	7.40E-07
143	1.53E-07	5.78E-07	7.31E-07
144	1.50E-07	5.42E-07	6.92E-07
145	1.49E-07	5.20E-07	6.69E-07
146	1.43E-07	4.89E-07	6.32E-07
147	1.39E-07	4.66E-07	6.05E-07
148	1.46E-07	4.76E-07	6.22E-07
149	1.48E-07	4.71E-07	6.19E-07
150	1.45E-07	4.54E-07	5.99E-07
151	1.30E-07	4.07E-07	5.37E-07
152	1.17E-07	3.66E-07	4.83E-07
153	1.08E-07	3.31E-07	4.39E-07
154	1.03E-07	3.13E-07	4.16E-07
155	1.03E-07	3.09E-07	4.12E-07
156	1.10E-07	3.30E-07	4.40E-07
157	1.12E-07	3.32E-07	4.44E-07
158	1.10E-07	3.23E-07	4.33E-07
159	1.11E-07	3.23E-07	4.34E-07
160	1.07E-07	3.11E-07	4.18E-07
161	1.11E-07	3.50E-07	4.61E-07
162	1.17E-07	3.66E-07	4.83E-07
163	1.23E-07	3.84E-07	5.07E-07
164	1.30E-07	4.03E-07	5.33E-07
165	1.37E-07	4.24E-07	5.61E-07
166	1.44E-07	4.46E-07	5.90E-07
167	1.52E-07	4.71E-07	6.23E-07
168	1.61E-07	4.96E-07	6.57E-07
169	1.69E-07	5.25E-07	6.94E-07
170	1.78E-07	5.56E-07	7.34E-07
171	1.88E-07	5.91E-07	7.79E-07
172	1.98E-07	6.30E-07	8.28E-07
173	2.07E-07	6.74E-07	8.81E-07
174	2.17E-07	7.25E-07	9.42E-07

175	2.26E-07	7.90E-07	1.02E-06
176	2.25E-07	8.55E-07	1.08E-06
177	2.21E-07	9.66E-07	1.19E-06
178	1.84E-07	1.34E-06	1.52E-06
179	1.79E-07	1.10E-06	1.28E-06
180	1.83E-07	8.87E-07	1.07E-06
181	1.82E-07	7.70E-07	9.52E-07
182	1.77E-07	6.89E-07	8.66E-07
183	1.73E-07	6.36E-07	8.09E-07
184	1.74E-07	6.09E-07	7.83E-07
185	1.70E-07	5.77E-07	7.47E-07
186	1.65E-07	5.48E-07	7.13E-07
187	1.66E-07	5.36E-07	7.02E-07
188	1.70E-07	5.36E-07	7.06E-07
189	1.72E-07	5.31E-07	7.03E-07
190	1.69E-07	5.16E-07	6.85E-07
191	1.54E-07	4.73E-07	6.27E-07
192	1.36E-07	4.18E-07	5.54E-07
193	1.23E-07	3.74E-07	4.97E-07
194	1.19E-07	3.56E-07	4.75E-07
195	1.22E-07	3.65E-07	4.87E-07
196	1.26E-07	3.74E-07	5.00E-07
197	1.24E-07	3.65E-07	4.89E-07
198	1.23E-07	3.58E-07	4.81E-07
199	1.21E-07	3.49E-07	4.70E-07
200	1.19E-07	3.41E-07	4.60E-07
201	1.16E-07	3.57E-07	4.73E-07
202	1.22E-07	3.75E-07	4.97E-07
203	1.29E-07	3.93E-07	5.22E-07
204	1.36E-07	4.14E-07	5.50E-07
205	1.44E-07	4.37E-07	5.81E-07
206	1.52E-07	4.61E-07	6.13E-07
207	1.61E-07	4.86E-07	6.47E-07
208	1.70E-07	5.15E-07	6.85E-07
209	1.80E-07	5.46E-07	7.26E-07
210	1.90E-07	5.80E-07	7.70E-07
211	2.01E-07	6.18E-07	8.19E-07
212	2.13E-07	6.59E-07	8.72E-07
213	2.24E-07	7.06E-07	9.30E-07
214	2.36E-07	7.59E-07	9.95E-07
215	2.48E-07	8.23E-07	1.07E-06
216	2.59E-07	9.11E-07	1.17E-06
217	2.65E-07	1.02E-06	1.29E-06
218	2.47E-07	1.23E-06	1.48E-06

219	2.22E-07	1.06E-06	1.28E-06
220	2.11E-07	8.70E-07	1.08E-06
221	2.09E-07	7.90E-07	9.99E-07
222	2.03E-07	7.21E-07	9.24E-07
223	2.01E-07	6.83E-07	8.84E-07
224	1.93E-07	6.36E-07	8.29E-07
225	1.89E-07	6.11E-07	8.00E-07
226	1.90E-07	6.00E-07	7.90E-07
227	2.00E-07	6.12E-07	8.12E-07
228	1.98E-07	5.96E-07	7.94E-07
229	1.92E-07	5.73E-07	7.65E-07
230	1.90E-07	5.63E-07	7.53E-07
231	1.62E-07	4.87E-07	6.49E-07
232	1.45E-07	4.37E-07	5.82E-07
233	1.41E-07	4.20E-07	5.61E-07
234	1.43E-07	4.24E-07	5.67E-07
235	1.43E-07	4.17E-07	5.60E-07
236	1.39E-07	4.04E-07	5.43E-07
237	1.42E-07	4.09E-07	5.51E-07
238	1.37E-07	3.93E-07	5.30E-07
239	1.31E-07	3.73E-07	5.04E-07
240	1.20E-07	3.64E-07	4.84E-07
241	1.27E-07	3.83E-07	5.10E-07
242	1.34E-07	4.03E-07	5.37E-07
243	1.42E-07	4.25E-07	5.67E-07
244	1.51E-07	4.50E-07	6.01E-07
245	1.60E-07	4.77E-07	6.37E-07
246	1.70E-07	5.05E-07	6.75E-07
247	1.80E-07	5.36E-07	7.16E-07
248	1.91E-07	5.70E-07	7.61E-07
249	2.04E-07	6.07E-07	8.11E-07
250	2.16E-07	6.48E-07	8.64E-07
251	2.30E-07	6.93E-07	9.23E-07
252	2.44E-07	7.44E-07	9.88E-07
253	2.58E-07	8.00E-07	1.06E-06
254	2.72E-07	8.66E-07	1.14E-06
255	2.86E-07	9.48E-07	1.23E-06
256	2.46E-07	9.97E-07	1.24E-06
257	2.43E-07	8.93E-07	1.14E-06
258	2.41E-07	8.32E-07	1.07E-06
259	2.29E-07	7.59E-07	9.88E-07
260	2.20E-07	7.09E-07	9.29E-07
261	2.19E-07	6.88E-07	9.07E-07
262	2.39E-07	7.27E-07	9.66E-07

263	2.37E-07	7.05E-07	9.42E-07
264	2.35E-07	6.89E-07	9.24E-07
265	2.27E-07	6.62E-07	8.89E-07
266	2.16E-07	6.29E-07	8.45E-07
267	1.91E-07	5.62E-07	7.53E-07
268	1.77E-07	5.22E-07	6.99E-07
269	1.72E-07	5.03E-07	6.75E-07
270	1.64E-07	4.76E-07	6.40E-07
271	1.69E-07	4.87E-07	6.56E-07
272	1.74E-07	4.97E-07	6.71E-07
273	1.66E-07	4.73E-07	6.39E-07
274	1.57E-07	4.44E-07	6.01E-07
275	1.48E-07	4.17E-07	5.65E-07
276	1.24E-07	3.72E-07	4.96E-07
277	1.32E-07	3.92E-07	5.24E-07
278	1.40E-07	4.14E-07	5.54E-07
279	1.48E-07	4.38E-07	5.86E-07
280	1.58E-07	4.64E-07	6.22E-07
281	1.68E-07	4.93E-07	6.61E-07
282	1.79E-07	5.24E-07	7.03E-07
283	1.91E-07	5.58E-07	7.49E-07
284	2.04E-07	5.95E-07	7.99E-07
285	2.18E-07	6.36E-07	8.54E-07
286	2.33E-07	6.82E-07	9.15E-07
287	2.48E-07	7.32E-07	9.80E-07
288	3.04E-07	1.21E-06	1.51E-06
289	3.02E-07	1.08E-06	1.38E-06
290	2.85E-07	9.61E-07	1.25E-06
291	2.64E-07	8.56E-07	1.12E-06
292	2.59E-07	8.14E-07	1.07E-06
293	2.84E-07	8.60E-07	1.14E-06
294	2.79E-07	8.27E-07	1.11E-06
295	2.78E-07	8.08E-07	1.09E-06
296	2.80E-07	8.02E-07	1.08E-06
297	2.69E-07	7.69E-07	1.04E-06
298	2.60E-07	7.39E-07	9.99E-07
299	2.49E-07	7.05E-07	9.54E-07
300	2.34E-07	6.61E-07	8.95E-07
301	2.16E-07	6.12E-07	8.28E-07
302	2.06E-07	5.84E-07	7.90E-07
303	2.03E-07	5.72E-07	7.75E-07
304	2.04E-07	5.69E-07	7.73E-07
305	1.89E-07	5.29E-07	7.18E-07
306	1.76E-07	4.92E-07	6.68E-07

307	1.68E-07	4.70E-07	6.38E-07
308	1.28E-07	3.80E-07	5.08E-07
309	1.36E-07	4.01E-07	5.37E-07
310	1.45E-07	4.25E-07	5.70E-07
311	1.55E-07	4.50E-07	6.05E-07
312	1.65E-07	4.79E-07	6.44E-07
313	1.76E-07	5.10E-07	6.86E-07
314	1.89E-07	5.44E-07	7.33E-07
315	2.02E-07	5.82E-07	7.84E-07
316	2.17E-07	6.22E-07	8.39E-07
317	2.33E-07	6.68E-07	9.01E-07
318	2.50E-07	7.18E-07	9.68E-07
319	2.69E-07	7.74E-07	1.04E-06
320	3.56E-07	1.25E-06	1.61E-06
321	3.31E-07	1.09E-06	1.42E-06
322	3.21E-07	1.02E-06	1.34E-06
323	3.48E-07	1.06E-06	1.41E-06
324	3.43E-07	1.01E-06	1.35E-06
325	3.28E-07	9.50E-07	1.28E-06
326	3.33E-07	9.46E-07	1.28E-06
327	3.23E-07	9.11E-07	1.23E-06
328	3.15E-07	8.81E-07	1.20E-06
329	3.03E-07	8.45E-07	1.15E-06
330	2.84E-07	7.91E-07	1.08E-06
331	2.70E-07	7.50E-07	1.02E-06
332	2.53E-07	7.02E-07	9.55E-07
333	2.44E-07	6.75E-07	9.19E-07
334	2.45E-07	6.69E-07	9.14E-07
335	2.35E-07	6.41E-07	8.76E-07
336	2.19E-07	5.98E-07	8.17E-07
337	1.91E-07	5.26E-07	7.17E-07
338	1.83E-07	5.03E-07	6.86E-07
339	1.33E-07	3.88E-07	5.21E-07
340	1.41E-07	4.11E-07	5.52E-07
341	1.51E-07	4.36E-07	5.87E-07
342	1.61E-07	4.63E-07	6.24E-07
343	1.73E-07	4.94E-07	6.67E-07
344	1.85E-07	5.28E-07	7.13E-07
345	1.99E-07	5.65E-07	7.64E-07
346	2.14E-07	6.06E-07	8.20E-07
347	2.31E-07	6.52E-07	8.83E-07
348	2.49E-07	7.02E-07	9.51E-07
349	2.69E-07	7.58E-07	1.03E-06
350	2.92E-07	8.21E-07	1.11E-06

351	4.35E-07	1.52E-06	1.96E-06
352	4.17E-07	1.35E-06	1.77E-06
353	4.18E-07	1.29E-06	1.71E-06
354	4.40E-07	1.29E-06	1.73E-06
355	4.15E-07	1.19E-06	1.61E-06
356	4.07E-07	1.15E-06	1.56E-06
357	3.92E-07	1.09E-06	1.48E-06
358	3.86E-07	1.07E-06	1.46E-06
359	3.77E-07	1.04E-06	1.42E-06
360	3.61E-07	9.86E-07	1.35E-06
361	3.48E-07	9.45E-07	1.29E-06
362	3.26E-07	8.82E-07	1.21E-06
363	3.13E-07	8.42E-07	1.16E-06
364	2.95E-07	7.92E-07	1.09E-06
365	2.75E-07	7.39E-07	1.01E-06
366	2.47E-07	6.67E-07	9.14E-07
367	2.25E-07	6.10E-07	8.35E-07
368	2.08E-07	5.64E-07	7.72E-07
369	1.92E-07	5.22E-07	7.14E-07
370	1.37E-07	3.96E-07	5.33E-07
371	1.46E-07	4.20E-07	5.66E-07
372	1.56E-07	4.46E-07	6.02E-07
373	1.67E-07	4.76E-07	6.43E-07
374	1.80E-07	5.10E-07	6.90E-07
375	1.94E-07	5.45E-07	7.39E-07
376	2.09E-07	5.86E-07	7.95E-07
377	2.26E-07	6.31E-07	8.57E-07
378	2.45E-07	6.82E-07	9.27E-07
379	2.67E-07	7.39E-07	1.01E-06
380	2.90E-07	8.02E-07	1.09E-06
381	3.16E-07	8.73E-07	1.19E-06
382	5.38E-07	1.90E-06	2.44E-06
383	5.30E-07	1.70E-06	2.23E-06
384	5.88E-07	1.73E-06	2.32E-06
385	5.43E-07	1.56E-06	2.10E-06
386	5.12E-07	1.44E-06	1.95E-06
387	4.89E-07	1.35E-06	1.84E-06
388	4.78E-07	1.31E-06	1.79E-06
389	4.62E-07	1.26E-06	1.72E-06
390	4.39E-07	1.19E-06	1.63E-06
391	4.20E-07	1.13E-06	1.55E-06
392	4.05E-07	1.08E-06	1.49E-06
393	3.76E-07	9.98E-07	1.37E-06
394	3.55E-07	9.38E-07	1.29E-06

395	3.16E-07	8.37E-07	1.15E-06
396	2.76E-07	7.37E-07	1.01E-06
397	2.53E-07	6.77E-07	9.30E-07
398	2.32E-07	6.20E-07	8.52E-07
399	2.09E-07	5.63E-07	7.72E-07
400	1.86E-07	5.05E-07	6.91E-07
401	1.41E-07	4.04E-07	5.45E-07
402	1.51E-07	4.30E-07	5.81E-07
403	1.62E-07	4.58E-07	6.20E-07
404	1.74E-07	4.89E-07	6.63E-07
405	1.87E-07	5.24E-07	7.11E-07
406	2.03E-07	5.63E-07	7.66E-07
407	2.20E-07	6.08E-07	8.28E-07
408	2.39E-07	6.57E-07	8.96E-07
409	2.60E-07	7.13E-07	9.73E-07
410	2.85E-07	7.77E-07	1.06E-06
411	3.12E-07	8.48E-07	1.16E-06
412	3.43E-07	9.30E-07	1.27E-06
413	7.23E-07	2.25E-06	2.97E-06
414	7.20E-07	2.11E-06	2.83E-06
415	6.58E-07	1.85E-06	2.51E-06
416	6.33E-07	1.74E-06	2.37E-06
417	5.99E-07	1.63E-06	2.23E-06
418	5.75E-07	1.55E-06	2.13E-06
419	5.42E-07	1.46E-06	2.00E-06
420	5.18E-07	1.38E-06	1.90E-06
421	4.89E-07	1.29E-06	1.78E-06
422	4.63E-07	1.21E-06	1.67E-06
423	4.24E-07	1.10E-06	1.52E-06
424	3.62E-07	9.48E-07	1.31E-06
425	3.20E-07	8.41E-07	1.16E-06
426	2.90E-07	7.64E-07	1.05E-06
427	2.59E-07	6.87E-07	9.46E-07
428	2.26E-07	6.05E-07	8.31E-07
429	2.01E-07	5.43E-07	7.44E-07
430	1.81E-07	4.92E-07	6.73E-07
431	1.45E-07	4.12E-07	5.57E-07
432	1.55E-07	4.38E-07	5.93E-07
433	1.67E-07	4.68E-07	6.35E-07
434	1.80E-07	5.02E-07	6.82E-07
435	1.95E-07	5.39E-07	7.34E-07
436	2.11E-07	5.81E-07	7.92E-07
437	2.30E-07	6.30E-07	8.60E-07
438	2.51E-07	6.84E-07	9.35E-07

439	2.76E-07	7.46E-07	1.02E-06
440	3.03E-07	8.16E-07	1.12E-06
441	3.35E-07	8.97E-07	1.23E-06
442	3.71E-07	9.90E-07	1.36E-06
443	9.10E-07	2.93E-06	3.84E-06
444	8.82E-07	2.61E-06	3.49E-06
445	8.41E-07	2.36E-06	3.20E-06
446	7.72E-07	2.09E-06	2.86E-06
447	7.28E-07	1.95E-06	2.68E-06
448	6.90E-07	1.84E-06	2.53E-06
449	6.51E-07	1.72E-06	2.37E-06
450	6.15E-07	1.61E-06	2.23E-06
451	5.77E-07	1.49E-06	2.07E-06
452	5.23E-07	1.34E-06	1.86E-06
453	4.47E-07	1.15E-06	1.60E-06
454	3.88E-07	9.97E-07	1.39E-06
455	3.34E-07	8.66E-07	1.20E-06
456	2.85E-07	7.50E-07	1.04E-06
457	2.46E-07	6.56E-07	9.02E-07
458	2.12E-07	5.68E-07	7.80E-07
459	1.93E-07	5.18E-07	7.11E-07
460	1.79E-07	4.81E-07	6.60E-07
461	1.48E-07	4.20E-07	5.68E-07
462	1.59E-07	4.47E-07	6.06E-07
463	1.72E-07	4.78E-07	6.50E-07
464	1.86E-07	5.14E-07	7.00E-07
465	2.01E-07	5.54E-07	7.55E-07
466	2.19E-07	5.99E-07	8.18E-07
467	2.40E-07	6.51E-07	8.91E-07
468	2.63E-07	7.10E-07	9.73E-07
469	2.91E-07	7.78E-07	1.07E-06
470	3.22E-07	8.57E-07	1.18E-06
471	3.58E-07	9.47E-07	1.31E-06
472	4.01E-07	1.05E-06	1.45E-06
473	1.11E-06	3.36E-06	4.47E-06
474	1.05E-06	2.94E-06	3.99E-06
475	9.73E-07	2.62E-06	3.59E-06
476	9.01E-07	2.37E-06	3.27E-06
477	8.41E-07	2.18E-06	3.02E-06
478	7.85E-07	2.02E-06	2.81E-06
479	7.28E-07	1.85E-06	2.58E-06
480	6.64E-07	1.67E-06	2.33E-06
481	5.85E-07	1.46E-06	2.05E-06
482	4.99E-07	1.25E-06	1.75E-06

483	4.11E-07	1.04E-06	1.45E-06
484	3.23E-07	8.43E-07	1.17E-06
485	2.78E-07	7.35E-07	1.01E-06
486	2.38E-07	6.33E-07	8.71E-07
487	2.09E-07	5.53E-07	7.62E-07
488	1.92E-07	5.08E-07	7.00E-07
489	1.75E-07	4.61E-07	6.36E-07
490	1.51E-07	4.25E-07	5.76E-07
491	1.63E-07	4.55E-07	6.18E-07
492	1.76E-07	4.88E-07	6.64E-07
493	1.91E-07	5.26E-07	7.17E-07
494	2.08E-07	5.67E-07	7.75E-07
495	2.27E-07	6.16E-07	8.43E-07
496	2.49E-07	6.71E-07	9.20E-07
497	2.75E-07	7.35E-07	1.01E-06
498	3.05E-07	8.09E-07	1.11E-06
499	3.40E-07	8.95E-07	1.24E-06
500	3.81E-07	9.95E-07	1.38E-06
501	4.31E-07	1.12E-06	1.55E-06
502	1.34E-06	3.80E-06	5.14E-06
503	1.22E-06	3.27E-06	4.49E-06
504	1.10E-06	2.86E-06	3.96E-06
505	1.00E-06	2.52E-06	3.52E-06
506	8.96E-07	2.24E-06	3.14E-06
507	8.38E-07	2.07E-06	2.91E-06
508	7.52E-07	1.84E-06	2.59E-06
509	6.62E-07	1.62E-06	2.28E-06
510	4.88E-07	1.22E-06	1.71E-06
511	3.54E-07	9.16E-07	1.27E-06
512	3.10E-07	8.06E-07	1.12E-06
513	2.71E-07	7.06E-07	9.77E-07
514	2.27E-07	5.89E-07	8.16E-07
515	1.99E-07	5.11E-07	7.10E-07
516	1.79E-07	4.62E-07	6.41E-07
517	1.59E-07	4.12E-07	5.71E-07
518	1.54E-07	4.31E-07	5.85E-07
519	1.67E-07	4.62E-07	6.29E-07
520	1.80E-07	4.97E-07	6.77E-07
521	1.96E-07	5.37E-07	7.33E-07
522	2.14E-07	5.81E-07	7.95E-07
523	2.34E-07	6.31E-07	8.65E-07
524	2.58E-07	6.91E-07	9.49E-07
525	2.86E-07	7.59E-07	1.05E-06
526	3.19E-07	8.39E-07	1.16E-06

527	3.58E-07	9.33E-07	1.29E-06
528	4.04E-07	1.05E-06	1.45E-06
529	4.61E-07	1.18E-06	1.64E-06
530	1.37E-06	3.43E-06	4.80E-06
531	1.18E-06	2.90E-06	4.08E-06
532	1.04E-06	2.52E-06	3.56E-06
533	8.93E-07	2.18E-06	3.07E-06
534	8.19E-07	1.95E-06	2.77E-06
535	7.04E-07	1.68E-06	2.38E-06
536	4.78E-07	1.18E-06	1.66E-06
537	3.46E-07	8.80E-07	1.23E-06
538	3.03E-07	7.73E-07	1.08E-06
539	2.63E-07	6.75E-07	9.38E-07
540	2.22E-07	5.74E-07	7.96E-07
541	1.91E-07	4.95E-07	6.86E-07
542	1.67E-07	4.36E-07	6.03E-07
543	1.48E-07	3.89E-07	5.37E-07
544	1.57E-07	4.37E-07	5.94E-07
545	1.70E-07	4.69E-07	6.39E-07
546	1.84E-07	5.05E-07	6.89E-07
547	2.01E-07	5.48E-07	7.49E-07
548	2.19E-07	5.93E-07	8.12E-07
549	2.41E-07	6.46E-07	8.87E-07
550	2.66E-07	7.09E-07	9.75E-07
551	2.96E-07	7.82E-07	1.08E-06
552	3.31E-07	8.67E-07	1.20E-06
553	3.74E-07	9.70E-07	1.34E-06
554	4.25E-07	1.09E-06	1.52E-06
555	4.90E-07	1.25E-06	1.74E-06
556	1.39E-06	3.25E-06	4.64E-06
557	1.15E-06	2.69E-06	3.84E-06
558	1.01E-06	2.35E-06	3.36E-06
559	8.57E-07	2.00E-06	2.86E-06
560	7.08E-07	1.67E-06	2.38E-06
561	5.16E-07	1.25E-06	1.77E-06
562	3.71E-07	9.32E-07	1.30E-06
563	2.98E-07	7.68E-07	1.07E-06
564	2.47E-07	6.50E-07	8.97E-07
565	2.07E-07	5.51E-07	7.58E-07
566	1.79E-07	4.78E-07	6.57E-07
567	1.56E-07	4.18E-07	5.74E-07
568	1.40E-07	3.75E-07	5.15E-07
569	1.58E-07	4.39E-07	5.97E-07
570	1.71E-07	4.72E-07	6.43E-07

571	1.86E-07	5.09E-07	6.95E-07
572	2.04E-07	5.57E-07	7.61E-07
573	2.46E-07	6.59E-07	9.05E-07
574	2.73E-07	7.25E-07	9.98E-07
575	3.04E-07	8.02E-07	1.11E-06
576	3.42E-07	8.93E-07	1.24E-06
577	3.88E-07	1.00E-06	1.39E-06
578	4.44E-07	1.14E-06	1.58E-06
579	5.15E-07	1.30E-06	1.82E-06
580	1.26E-06	2.91E-06	4.17E-06
581	1.04E-06	2.37E-06	3.41E-06
582	8.68E-07	2.01E-06	2.88E-06
583	7.16E-07	1.69E-06	2.41E-06
584	5.56E-07	1.35E-06	1.91E-06
585	3.83E-07	9.76E-07	1.36E-06
586	2.96E-07	7.80E-07	1.08E-06
587	2.37E-07	6.37E-07	8.74E-07
588	1.96E-07	5.28E-07	7.24E-07
589	1.68E-07	4.50E-07	6.18E-07
590	1.48E-07	3.94E-07	5.42E-07
591	1.34E-07	3.58E-07	4.92E-07
592	1.60E-07	4.41E-07	6.01E-07
593	1.73E-07	4.75E-07	6.48E-07
594	1.88E-07	5.13E-07	7.01E-07
595	2.77E-07	7.36E-07	1.01E-06
596	3.11E-07	8.18E-07	1.13E-06
597	3.50E-07	9.14E-07	1.26E-06
598	3.98E-07	1.03E-06	1.43E-06
599	4.58E-07	1.17E-06	1.63E-06
600	5.35E-07	1.35E-06	1.89E-06
601	1.06E-06	2.45E-06	3.51E-06
602	8.64E-07	2.03E-06	2.89E-06
603	7.22E-07	1.72E-06	2.44E-06
604	5.25E-07	1.30E-06	1.83E-06
605	3.36E-07	8.80E-07	1.22E-06
606	2.60E-07	6.95E-07	9.55E-07
607	2.16E-07	5.81E-07	7.97E-07
608	1.86E-07	4.99E-07	6.85E-07
609	1.63E-07	4.39E-07	6.02E-07
610	1.46E-07	3.93E-07	5.39E-07
611	1.32E-07	3.57E-07	4.89E-07
612	1.61E-07	4.45E-07	6.06E-07
613	1.74E-07	4.79E-07	6.53E-07
614	1.90E-07	5.17E-07	7.07E-07

615	8.44E-07	2.00E-06	2.84E-06
616	7.09E-07	1.71E-06	2.42E-06
617	5.45E-07	1.34E-06	1.89E-06
618	3.59E-07	9.31E-07	1.29E-06
619	2.65E-07	7.13E-07	9.78E-07
620	2.19E-07	5.95E-07	8.14E-07
621	1.93E-07	5.28E-07	7.21E-07
622	1.73E-07	4.75E-07	6.48E-07
623	1.54E-07	4.23E-07	5.77E-07
624	1.37E-07	3.77E-07	5.14E-07
625	1.63E-07	4.49E-07	6.12E-07
626	1.76E-07	4.85E-07	6.61E-07
627	1.92E-07	5.24E-07	7.16E-07
628	6.86E-07	1.67E-06	2.36E-06
629	5.84E-07	1.43E-06	2.01E-06
630	4.71E-07	1.17E-06	1.64E-06
631	3.33E-07	8.60E-07	1.19E-06
632	2.65E-07	7.02E-07	9.67E-07
633	2.30E-07	6.17E-07	8.47E-07
634	2.04E-07	5.52E-07	7.56E-07
635	1.72E-07	4.71E-07	6.43E-07
636	1.48E-07	4.05E-07	5.53E-07
637	1.63E-07	4.51E-07	6.14E-07
638	1.77E-07	4.85E-07	6.62E-07
639	5.64E-07	1.41E-06	1.97E-06
640	4.87E-07	1.22E-06	1.71E-06
641	4.28E-07	1.07E-06	1.50E-06
642	3.63E-07	9.17E-07	1.28E-06
643	3.10E-07	7.91E-07	1.10E-06
644	2.58E-07	6.70E-07	9.28E-07
645	2.01E-07	5.39E-07	7.40E-07
646	1.66E-07	4.52E-07	6.18E-07
647	1.62E-07	4.49E-07	6.11E-07
648	1.76E-07	4.83E-07	6.59E-07
649	4.73E-07	1.21E-06	1.68E-06
650	4.14E-07	1.06E-06	1.47E-06
651	3.67E-07	9.45E-07	1.31E-06
652	3.33E-07	8.52E-07	1.19E-06
653	2.90E-07	7.45E-07	1.04E-06
654	2.41E-07	6.27E-07	8.68E-07
655	1.99E-07	5.28E-07	7.27E-07
656	1.61E-07	4.45E-07	6.06E-07
657	1.74E-07	4.78E-07	6.52E-07
658	1.89E-07	5.17E-07	7.06E-07

659	2.07E-07	5.61E-07	7.68E-07
660	2.26E-07	6.10E-07	8.36E-07
661	2.49E-07	6.68E-07	9.17E-07
662	2.76E-07	7.35E-07	1.01E-06
663	3.07E-07	8.13E-07	1.12E-06
664	3.45E-07	9.06E-07	1.25E-06
665	4.00E-07	1.05E-06	1.45E-06
666	3.55E-07	9.24E-07	1.28E-06
667	3.18E-07	8.33E-07	1.15E-06
668	2.92E-07	7.60E-07	1.05E-06
669	2.66E-07	6.94E-07	9.60E-07
670	2.36E-07	6.14E-07	8.50E-07
671	1.60E-07	4.39E-07	5.99E-07
672	1.72E-07	4.72E-07	6.44E-07
673	1.87E-07	5.09E-07	6.96E-07
674	2.03E-07	5.51E-07	7.54E-07
675	2.22E-07	5.99E-07	8.21E-07
676	2.44E-07	6.54E-07	8.98E-07
677	2.69E-07	7.16E-07	9.85E-07
678	2.98E-07	7.90E-07	1.09E-06
679	3.34E-07	8.77E-07	1.21E-06
680	3.75E-07	9.80E-07	1.36E-06
681	4.26E-07	1.10E-06	1.53E-06
682	4.87E-07	1.25E-06	1.74E-06
683	5.63E-07	1.44E-06	2.00E-06
684	6.59E-07	1.67E-06	2.33E-06
685	7.82E-07	1.97E-06	2.75E-06
686	9.36E-07	2.36E-06	3.30E-06
687	1.14E-06	2.88E-06	4.02E-06
688	3.43E-07	9.17E-07	1.26E-06
689	3.08E-07	8.16E-07	1.12E-06
690	2.79E-07	7.41E-07	1.02E-06
691	2.55E-07	6.75E-07	9.30E-07
692	2.35E-07	6.23E-07	8.58E-07
693	1.57E-07	4.32E-07	5.89E-07
694	1.69E-07	4.63E-07	6.32E-07
695	1.83E-07	4.99E-07	6.82E-07
696	1.99E-07	5.39E-07	7.38E-07
697	2.17E-07	5.84E-07	8.01E-07
698	2.37E-07	6.35E-07	8.72E-07
699	2.61E-07	6.94E-07	9.55E-07
700	2.88E-07	7.62E-07	1.05E-06
701	3.20E-07	8.41E-07	1.16E-06
702	3.58E-07	9.35E-07	1.29E-06

703	4.03E-07	1.05E-06	1.45E-06
704	4.57E-07	1.18E-06	1.64E-06
705	5.23E-07	1.34E-06	1.86E-06
706	6.03E-07	1.54E-06	2.14E-06
707	7.02E-07	1.79E-06	2.49E-06
708	8.20E-07	2.09E-06	2.91E-06
709	9.65E-07	2.48E-06	3.45E-06
710	1.14E-06	2.98E-06	4.12E-06
711	1.33E-06	3.56E-06	4.89E-06
712	2.96E-07	8.11E-07	1.11E-06
713	2.68E-07	7.24E-07	9.92E-07
714	2.45E-07	6.61E-07	9.06E-07
715	2.26E-07	6.07E-07	8.33E-07
716	1.54E-07	4.23E-07	5.77E-07
717	1.66E-07	4.53E-07	6.19E-07
718	1.79E-07	4.86E-07	6.65E-07
719	1.94E-07	5.24E-07	7.18E-07
720	2.10E-07	5.66E-07	7.76E-07
721	2.29E-07	6.13E-07	8.42E-07
722	2.51E-07	6.68E-07	9.19E-07
723	2.76E-07	7.30E-07	1.01E-06
724	3.05E-07	8.02E-07	1.11E-06
725	3.39E-07	8.87E-07	1.23E-06
726	3.79E-07	9.85E-07	1.36E-06
727	4.26E-07	1.10E-06	1.53E-06
728	4.82E-07	1.24E-06	1.72E-06
729	5.48E-07	1.41E-06	1.96E-06
730	6.27E-07	1.61E-06	2.24E-06
731	7.17E-07	1.85E-06	2.57E-06
732	8.22E-07	2.13E-06	2.95E-06
733	9.39E-07	2.47E-06	3.41E-06
734	1.06E-06	2.83E-06	3.89E-06
735	1.18E-06	3.19E-06	4.37E-06
736	1.28E-06	3.50E-06	4.78E-06
737	1.35E-06	3.69E-06	5.04E-06
738	1.37E-06	3.70E-06	5.07E-06
739	2.58E-07	7.21E-07	9.79E-07
740	2.36E-07	6.47E-07	8.83E-07
741	2.18E-07	5.96E-07	8.14E-07
742	1.51E-07	4.13E-07	5.64E-07
743	1.62E-07	4.41E-07	6.03E-07
744	1.74E-07	4.72E-07	6.46E-07
745	1.88E-07	5.07E-07	6.95E-07
746	2.03E-07	5.46E-07	7.49E-07

747	2.21E-07	5.90E-07	8.11E-07
748	2.41E-07	6.40E-07	8.81E-07
749	2.64E-07	6.96E-07	9.60E-07
750	2.90E-07	7.62E-07	1.05E-06
751	3.20E-07	8.36E-07	1.16E-06
752	3.55E-07	9.23E-07	1.28E-06
753	3.96E-07	1.02E-06	1.42E-06
754	4.43E-07	1.14E-06	1.58E-06
755	4.97E-07	1.28E-06	1.78E-06
756	5.58E-07	1.44E-06	2.00E-06
757	6.27E-07	1.63E-06	2.26E-06
758	7.03E-07	1.83E-06	2.53E-06
759	7.84E-07	2.06E-06	2.84E-06
760	8.64E-07	2.29E-06	3.15E-06
761	9.37E-07	2.51E-06	3.45E-06
762	9.97E-07	2.68E-06	3.68E-06
763	1.04E-06	2.78E-06	3.82E-06
764	1.05E-06	2.79E-06	3.84E-06
765	1.04E-06	2.71E-06	3.75E-06
766	9.98E-07	2.57E-06	3.57E-06
767	2.27E-07	6.44E-07	8.71E-07
768	2.09E-07	5.83E-07	7.92E-07
769	1.47E-07	4.01E-07	5.48E-07
770	1.57E-07	4.27E-07	5.84E-07
771	1.68E-07	4.57E-07	6.25E-07
772	1.81E-07	4.89E-07	6.70E-07
773	1.96E-07	5.25E-07	7.21E-07
774	2.12E-07	5.65E-07	7.77E-07
775	2.30E-07	6.11E-07	8.41E-07
776	2.51E-07	6.63E-07	9.14E-07
777	2.74E-07	7.21E-07	9.95E-07
778	3.01E-07	7.87E-07	1.09E-06
779	3.32E-07	8.64E-07	1.20E-06
780	3.66E-07	9.52E-07	1.32E-06
781	4.05E-07	1.05E-06	1.46E-06
782	4.49E-07	1.17E-06	1.62E-06
783	4.98E-07	1.29E-06	1.79E-06
784	5.50E-07	1.43E-06	1.98E-06
785	6.05E-07	1.58E-06	2.19E-06
786	6.62E-07	1.74E-06	2.40E-06
787	7.16E-07	1.89E-06	2.61E-06
788	7.65E-07	2.03E-06	2.80E-06
789	8.02E-07	2.13E-06	2.93E-06
790	8.26E-07	2.19E-06	3.02E-06

791	8.35E-07	2.20E-06	3.04E-06
792	8.28E-07	2.18E-06	3.01E-06
793	8.29E-07	2.16E-06	2.99E-06
794	2.01E-07	5.78E-07	7.79E-07
795	1.42E-07	3.89E-07	5.31E-07
796	1.52E-07	4.14E-07	5.66E-07
797	1.63E-07	4.41E-07	6.04E-07
798	1.75E-07	4.70E-07	6.45E-07
799	1.88E-07	5.04E-07	6.92E-07
800	2.03E-07	5.41E-07	7.44E-07
801	2.20E-07	5.83E-07	8.03E-07
802	2.38E-07	6.29E-07	8.67E-07
803	2.59E-07	6.82E-07	9.41E-07
804	2.83E-07	7.41E-07	1.02E-06
805	3.09E-07	8.07E-07	1.12E-06
806	3.38E-07	8.82E-07	1.22E-06
807	3.71E-07	9.66E-07	1.34E-06
808	4.06E-07	1.06E-06	1.47E-06
809	4.44E-07	1.16E-06	1.60E-06
810	4.85E-07	1.27E-06	1.76E-06
811	5.26E-07	1.38E-06	1.91E-06
812	5.66E-07	1.49E-06	2.06E-06
813	6.05E-07	1.59E-06	2.20E-06
814	6.37E-07	1.68E-06	2.32E-06
815	6.56E-07	1.73E-06	2.39E-06
816	6.75E-07	1.78E-06	2.46E-06
817	6.93E-07	1.82E-06	2.51E-06
818	7.05E-07	1.86E-06	2.57E-06
819	1.38E-07	3.77E-07	5.15E-07
820	1.47E-07	3.99E-07	5.46E-07
821	1.57E-07	4.25E-07	5.82E-07
822	1.68E-07	4.52E-07	6.20E-07
823	1.80E-07	4.83E-07	6.63E-07
824	1.94E-07	5.17E-07	7.11E-07
825	2.09E-07	5.55E-07	7.64E-07
826	2.26E-07	5.97E-07	8.23E-07
827	2.45E-07	6.44E-07	8.89E-07
828	2.65E-07	6.95E-07	9.60E-07
829	2.88E-07	7.53E-07	1.04E-06
830	3.13E-07	8.18E-07	1.13E-06
831	3.40E-07	8.88E-07	1.23E-06
832	3.68E-07	9.63E-07	1.33E-06
833	3.98E-07	1.04E-06	1.44E-06
834	4.29E-07	1.12E-06	1.55E-06

835	4.60E-07	1.21E-06	1.67E-06
836	4.90E-07	1.29E-06	1.78E-06
837	5.18E-07	1.36E-06	1.88E-06
838	5.41E-07	1.43E-06	1.97E-06
839	5.51E-07	1.45E-06	2.00E-06
840	5.75E-07	1.51E-06	2.09E-06
841	5.90E-07	1.55E-06	2.14E-06
842	5.77E-07	1.51E-06	2.09E-06
843	1.34E-07	3.64E-07	4.98E-07
844	1.42E-07	3.86E-07	5.28E-07
845	1.52E-07	4.09E-07	5.61E-07
846	1.62E-07	4.35E-07	5.97E-07
847	1.73E-07	4.63E-07	6.36E-07
848	1.85E-07	4.94E-07	6.79E-07
849	1.99E-07	5.28E-07	7.27E-07
850	2.14E-07	5.66E-07	7.80E-07
851	2.30E-07	6.07E-07	8.37E-07
852	2.48E-07	6.53E-07	9.01E-07
853	2.68E-07	7.03E-07	9.71E-07
854	2.89E-07	7.57E-07	1.05E-06
855	3.11E-07	8.15E-07	1.13E-06
856	3.34E-07	8.76E-07	1.21E-06
857	3.58E-07	9.39E-07	1.30E-06
858	3.82E-07	1.00E-06	1.38E-06
859	4.06E-07	1.07E-06	1.48E-06
860	4.28E-07	1.13E-06	1.56E-06
861	4.48E-07	1.18E-06	1.63E-06
862	4.63E-07	1.22E-06	1.68E-06
863	4.78E-07	1.26E-06	1.74E-06
864	4.94E-07	1.29E-06	1.78E-06
865	5.05E-07	1.32E-06	1.83E-06
866	2.91E-07	7.57E-07	1.05E-06
867	1.29E-07	3.52E-07	4.81E-07
868	1.37E-07	3.72E-07	5.09E-07
869	1.46E-07	3.94E-07	5.40E-07
870	1.55E-07	4.17E-07	5.72E-07
871	1.66E-07	4.43E-07	6.09E-07
872	1.77E-07	4.71E-07	6.48E-07
873	1.89E-07	5.02E-07	6.91E-07
874	2.02E-07	5.36E-07	7.38E-07
875	2.17E-07	5.73E-07	7.90E-07
876	2.32E-07	6.13E-07	8.45E-07
877	2.49E-07	6.56E-07	9.05E-07
878	2.67E-07	7.01E-07	9.68E-07

879	2.85E-07	7.49E-07	1.03E-06
880	3.04E-07	7.99E-07	1.10E-06
881	3.23E-07	8.49E-07	1.17E-06
882	3.42E-07	8.99E-07	1.24E-06
883	3.60E-07	9.48E-07	1.31E-06
884	3.77E-07	9.93E-07	1.37E-06
885	3.92E-07	1.03E-06	1.42E-06
886	4.02E-07	1.06E-06	1.46E-06
887	4.14E-07	1.09E-06	1.50E-06
888	4.29E-07	1.13E-06	1.56E-06
889	4.30E-07	1.12E-06	1.55E-06
890	2.69E-07	7.02E-07	9.71E-07
891	2.51E-07	6.60E-07	9.11E-07
892	2.35E-07	6.21E-07	8.56E-07
893	2.20E-07	5.88E-07	8.08E-07
894	1.25E-07	3.40E-07	4.65E-07
895	1.32E-07	3.59E-07	4.91E-07
896	1.40E-07	3.78E-07	5.18E-07
897	1.49E-07	4.00E-07	5.49E-07
898	1.58E-07	4.24E-07	5.82E-07
899	1.69E-07	4.50E-07	6.19E-07
900	1.80E-07	4.78E-07	6.58E-07
901	1.91E-07	5.08E-07	6.99E-07
902	2.04E-07	5.40E-07	7.44E-07
903	2.17E-07	5.75E-07	7.92E-07
904	2.32E-07	6.11E-07	8.43E-07
905	2.46E-07	6.49E-07	8.95E-07
906	2.61E-07	6.89E-07	9.50E-07
907	2.77E-07	7.29E-07	1.01E-06
908	2.92E-07	7.71E-07	1.06E-06
909	3.07E-07	8.10E-07	1.12E-06
910	3.22E-07	8.48E-07	1.17E-06
911	3.33E-07	8.74E-07	1.21E-06
912	3.45E-07	9.08E-07	1.25E-06
913	3.52E-07	9.31E-07	1.28E-06
914	3.69E-07	9.72E-07	1.34E-06
915	3.79E-07	9.95E-07	1.37E-06
916	3.78E-07	9.89E-07	1.37E-06
917	2.49E-07	6.53E-07	9.02E-07
918	2.34E-07	6.16E-07	8.50E-07
919	2.20E-07	5.82E-07	8.02E-07
920	2.06E-07	5.52E-07	7.58E-07
921	1.94E-07	5.25E-07	7.19E-07
922	1.21E-07	3.29E-07	4.50E-07

923	1.28E-07	3.45E-07	4.73E-07
924	1.35E-07	3.64E-07	4.99E-07
925	1.43E-07	3.84E-07	5.27E-07
926	1.51E-07	4.06E-07	5.57E-07
927	1.61E-07	4.29E-07	5.90E-07
928	1.70E-07	4.54E-07	6.24E-07
929	1.81E-07	4.80E-07	6.61E-07
930	1.92E-07	5.09E-07	7.01E-07
931	2.03E-07	5.39E-07	7.42E-07
932	2.15E-07	5.70E-07	7.85E-07
933	2.28E-07	6.02E-07	8.30E-07
934	2.40E-07	6.35E-07	8.75E-07
935	2.53E-07	6.68E-07	9.21E-07
936	2.66E-07	7.02E-07	9.68E-07
937	2.78E-07	7.33E-07	1.01E-06
938	2.89E-07	7.63E-07	1.05E-06
939	2.97E-07	7.83E-07	1.08E-06
940	3.06E-07	8.08E-07	1.11E-06
941	3.15E-07	8.34E-07	1.15E-06
942	3.30E-07	8.70E-07	1.20E-06
943	3.31E-07	8.71E-07	1.20E-06
944	3.15E-07	8.30E-07	1.15E-06
945	2.30E-07	6.07E-07	8.37E-07
946	2.17E-07	5.76E-07	7.93E-07
947	2.05E-07	5.47E-07	7.52E-07
948	1.94E-07	5.20E-07	7.14E-07
949	1.83E-07	4.95E-07	6.78E-07
950	1.73E-07	4.74E-07	6.47E-07
951	1.17E-07	3.17E-07	4.34E-07
952	1.23E-07	3.33E-07	4.56E-07
953	1.30E-07	3.50E-07	4.80E-07
954	1.37E-07	3.68E-07	5.05E-07
955	1.45E-07	3.88E-07	5.33E-07
956	1.53E-07	4.09E-07	5.62E-07
957	1.62E-07	4.31E-07	5.93E-07
958	1.71E-07	4.55E-07	6.26E-07
959	1.80E-07	4.80E-07	6.60E-07
960	1.90E-07	5.06E-07	6.96E-07
961	2.01E-07	5.32E-07	7.33E-07
962	2.11E-07	5.60E-07	7.71E-07
963	2.22E-07	5.88E-07	8.10E-07
964	2.32E-07	6.15E-07	8.47E-07
965	2.43E-07	6.42E-07	8.85E-07
966	2.52E-07	6.68E-07	9.20E-07

967	2.61E-07	6.91E-07	9.52E-07
968	2.67E-07	7.05E-07	9.72E-07
969	2.76E-07	7.31E-07	1.01E-06
970	2.87E-07	7.60E-07	1.05E-06
971	2.13E-07	5.65E-07	7.78E-07
972	2.03E-07	5.39E-07	7.42E-07
973	1.92E-07	5.14E-07	7.06E-07
974	1.82E-07	4.90E-07	6.72E-07
975	1.73E-07	4.67E-07	6.40E-07
976	1.64E-07	4.47E-07	6.11E-07
977	1.12E-07	3.06E-07	4.18E-07
978	1.18E-07	3.20E-07	4.38E-07
979	1.24E-07	3.36E-07	4.60E-07
980	1.31E-07	3.53E-07	4.84E-07
981	1.38E-07	3.70E-07	5.08E-07
982	1.45E-07	3.89E-07	5.34E-07
983	1.53E-07	4.09E-07	5.62E-07
984	1.61E-07	4.29E-07	5.90E-07
985	1.70E-07	4.51E-07	6.21E-07
986	1.78E-07	4.73E-07	6.51E-07
987	1.87E-07	4.97E-07	6.84E-07
988	1.96E-07	5.21E-07	7.17E-07
989	2.05E-07	5.44E-07	7.49E-07
990	2.14E-07	5.67E-07	7.81E-07
991	2.22E-07	5.89E-07	8.11E-07
992	2.30E-07	6.10E-07	8.40E-07
993	2.38E-07	6.31E-07	8.69E-07
994	2.43E-07	6.43E-07	8.86E-07
995	2.48E-07	6.60E-07	9.08E-07
996	1.98E-07	5.26E-07	7.24E-07
997	1.89E-07	5.08E-07	6.97E-07
998	1.80E-07	4.83E-07	6.63E-07
999	1.72E-07	4.62E-07	6.34E-07
1000	1.63E-07	4.42E-07	6.05E-07
1001	1.55E-07	4.24E-07	5.79E-07
1002	1.47E-07	4.07E-07	5.54E-07
1003	1.08E-07	2.95E-07	4.03E-07
1004	1.14E-07	3.08E-07	4.22E-07
1005	1.19E-07	3.23E-07	4.42E-07
1006	1.25E-07	3.38E-07	4.63E-07
1007	1.32E-07	3.54E-07	4.86E-07
1008	1.38E-07	3.71E-07	5.09E-07
1009	1.45E-07	3.88E-07	5.33E-07
1010	1.52E-07	4.06E-07	5.58E-07

1011	1.60E-07	4.25E-07	5.85E-07
1012	1.67E-07	4.45E-07	6.12E-07
1013	1.75E-07	4.65E-07	6.40E-07
1014	1.82E-07	4.85E-07	6.67E-07
1015	1.90E-07	5.05E-07	6.95E-07
1016	1.97E-07	5.24E-07	7.21E-07
1017	2.04E-07	5.42E-07	7.46E-07
1018	2.11E-07	5.60E-07	7.71E-07
1019	2.17E-07	5.77E-07	7.94E-07
1020	2.23E-07	5.91E-07	8.14E-07
1021	2.25E-07	6.00E-07	8.25E-07
1022	1.85E-07	4.98E-07	6.83E-07
1023	1.77E-07	4.76E-07	6.53E-07
1024	1.69E-07	4.54E-07	6.23E-07
1025	1.61E-07	4.36E-07	5.97E-07
1026	1.54E-07	4.19E-07	5.73E-07
1027	1.47E-07	4.03E-07	5.50E-07
1028	1.40E-07	3.87E-07	5.27E-07
1029	1.34E-07	3.72E-07	5.06E-07
1030	1.04E-07	2.83E-07	3.87E-07
1031	1.07E-07	2.90E-07	3.97E-07
1032	1.11E-07	3.02E-07	4.13E-07
1033	1.17E-07	3.15E-07	4.32E-07
1034	1.23E-07	3.31E-07	4.54E-07
1035	1.31E-07	3.51E-07	4.82E-07
1036	1.35E-07	3.63E-07	4.98E-07
1037	1.41E-07	3.77E-07	5.18E-07
1038	1.50E-07	3.99E-07	5.49E-07
1039	1.57E-07	4.17E-07	5.74E-07
1040	1.63E-07	4.36E-07	5.99E-07
1041	1.70E-07	4.53E-07	6.23E-07
1042	1.76E-07	4.69E-07	6.45E-07
1043	1.82E-07	4.85E-07	6.67E-07
1044	1.88E-07	5.01E-07	6.89E-07
1045	1.94E-07	5.16E-07	7.10E-07
1046	1.99E-07	5.30E-07	7.29E-07
1047	2.04E-07	5.42E-07	7.46E-07
1048	2.07E-07	5.50E-07	7.57E-07
1049	2.11E-07	5.63E-07	7.74E-07
1050	2.21E-07	5.87E-07	8.08E-07
1051	1.72E-07	4.66E-07	6.38E-07
1052	1.65E-07	4.46E-07	6.11E-07
1053	1.59E-07	4.28E-07	5.87E-07
1054	1.52E-07	4.12E-07	5.64E-07

1055	1.46E-07	3.97E-07	5.43E-07
1056	1.40E-07	3.84E-07	5.24E-07
1057	1.34E-07	3.69E-07	5.03E-07
1058	1.28E-07	3.55E-07	4.83E-07
1059	9.90E-08	2.70E-07	3.69E-07
1060	1.02E-07	2.78E-07	3.80E-07
1061	1.07E-07	2.89E-07	3.96E-07
1062	1.11E-07	3.01E-07	4.12E-07
1063	1.17E-07	3.14E-07	4.31E-07
1064	1.22E-07	3.29E-07	4.51E-07
1065	1.28E-07	3.43E-07	4.71E-07
1066	1.33E-07	3.57E-07	4.90E-07
1067	1.41E-07	3.77E-07	5.18E-07
1068	1.47E-07	3.92E-07	5.39E-07
1069	1.53E-07	4.08E-07	5.61E-07
1070	1.57E-07	4.19E-07	5.76E-07
1071	1.63E-07	4.33E-07	5.96E-07
1072	1.69E-07	4.50E-07	6.19E-07
1073	1.74E-07	4.64E-07	6.38E-07
1074	1.78E-07	4.74E-07	6.52E-07
1075	1.82E-07	4.85E-07	6.67E-07
1076	1.86E-07	4.96E-07	6.82E-07
1077	1.89E-07	5.06E-07	6.95E-07
1078	1.94E-07	5.17E-07	7.11E-07
1079	1.99E-07	5.29E-07	7.28E-07
1080	2.03E-07	5.40E-07	7.43E-07
1081	2.08E-07	5.50E-07	7.58E-07
1082	1.62E-07	4.39E-07	6.01E-07
1083	1.57E-07	4.24E-07	5.81E-07
1084	1.50E-07	4.09E-07	5.59E-07
1085	1.43E-07	3.89E-07	5.32E-07
1086	1.38E-07	3.76E-07	5.14E-07
1087	1.33E-07	3.66E-07	4.99E-07
1088	1.28E-07	3.53E-07	4.81E-07
1089	1.22E-07	3.40E-07	4.62E-07
1090	9.44E-08	2.58E-07	3.52E-07
1091	9.80E-08	2.67E-07	3.65E-07
1092	1.02E-07	2.78E-07	3.80E-07
1093	1.07E-07	2.89E-07	3.96E-07
1094	1.12E-07	3.02E-07	4.14E-07
1095	1.16E-07	3.14E-07	4.30E-07
1096	1.21E-07	3.26E-07	4.47E-07
1097	1.27E-07	3.40E-07	4.67E-07
1098	1.33E-07	3.57E-07	4.90E-07

1099	1.38E-07	3.70E-07	5.08E-07
1100	1.43E-07	3.81E-07	5.24E-07
1101	1.47E-07	3.93E-07	5.40E-07
1102	1.51E-07	4.05E-07	5.56E-07
1103	1.56E-07	4.16E-07	5.72E-07
1104	1.61E-07	4.28E-07	5.89E-07
1105	1.65E-07	4.39E-07	6.04E-07
1106	1.68E-07	4.50E-07	6.18E-07
1107	1.71E-07	4.58E-07	6.29E-07
1108	1.74E-07	4.66E-07	6.40E-07
1109	1.77E-07	4.73E-07	6.50E-07
1110	1.79E-07	4.80E-07	6.59E-07
1111	1.85E-07	4.93E-07	6.78E-07
1112	1.87E-07	4.97E-07	6.84E-07
1113	1.88E-07	5.01E-07	6.89E-07
1114	1.90E-07	5.08E-07	6.98E-07
1115	1.50E-07	4.05E-07	5.55E-07
1116	1.45E-07	3.93E-07	5.38E-07
1117	1.41E-07	3.86E-07	5.27E-07
1118	1.35E-07	3.69E-07	5.04E-07
1119	1.31E-07	3.60E-07	4.91E-07
1120	1.26E-07	3.49E-07	4.75E-07
1121	1.22E-07	3.37E-07	4.59E-07
1122	1.19E-07	3.30E-07	4.49E-07
1123	4.98E-08	3.46E-07	3.96E-07
1124	5.12E-08	3.51E-07	4.02E-07
1125	5.26E-08	3.55E-07	4.08E-07
1126	5.41E-08	3.60E-07	4.14E-07
1127	5.57E-08	3.64E-07	4.20E-07
1128	5.72E-08	3.68E-07	4.25E-07
1129	5.88E-08	3.71E-07	4.30E-07
1130	6.05E-08	3.74E-07	4.35E-07
1131	6.22E-08	3.78E-07	4.40E-07
1132	6.39E-08	3.82E-07	4.46E-07
1133	6.56E-08	3.87E-07	4.53E-07
1134	6.72E-08	3.92E-07	4.59E-07
1135	5.86E-08	3.74E-07	4.33E-07
1136	5.10E-08	3.62E-07	4.13E-07
1137	5.20E-08	3.65E-07	4.17E-07
1138	3.75E-08	2.66E-07	3.04E-07
1139	3.79E-08	2.68E-07	3.06E-07
1140	4.44E-08	3.41E-07	3.85E-07
1141	5.20E-08	3.79E-07	4.31E-07
1142	5.86E-08	3.98E-07	4.57E-07

1143	6.21E-08	4.13E-07	4.75E-07
1144	6.31E-08	4.30E-07	4.93E-07
1145	6.31E-08	4.54E-07	5.17E-07
1146	6.37E-08	4.89E-07	5.53E-07
1147	6.14E-08	5.47E-07	6.08E-07
1148	6.07E-08	6.67E-07	7.28E-07
1149	5.62E-08	7.63E-07	8.19E-07
1150	5.42E-08	5.14E-07	5.68E-07
1151	5.21E-08	3.89E-07	4.41E-07
1152	4.93E-08	3.03E-07	3.52E-07
1153	4.29E-08	2.30E-07	2.73E-07
1154	3.82E-08	1.95E-07	2.33E-07
1155	3.69E-08	1.80E-07	2.17E-07
1156	3.70E-08	1.71E-07	2.08E-07
1157	3.67E-08	1.63E-07	2.00E-07
1158	3.71E-08	1.58E-07	1.95E-07
1159	3.67E-08	1.52E-07	1.89E-07
1160	3.70E-08	1.48E-07	1.85E-07
1161	3.71E-08	1.45E-07	1.82E-07
1162	3.72E-08	1.42E-07	1.79E-07
1163	3.71E-08	1.39E-07	1.76E-07
1164	3.67E-08	1.35E-07	1.72E-07
1165	3.65E-08	1.32E-07	1.69E-07
1166	3.64E-08	1.29E-07	1.65E-07
1167	3.65E-08	1.28E-07	1.65E-07
1168	3.65E-08	1.26E-07	1.63E-07
1169	3.65E-08	1.25E-07	1.62E-07
1170	3.66E-08	1.23E-07	1.60E-07
1171	3.69E-08	1.23E-07	1.60E-07
1172	3.71E-08	1.22E-07	1.59E-07
1173	3.72E-08	1.21E-07	1.58E-07
1174	3.73E-08	1.20E-07	1.57E-07
1175	3.75E-08	1.19E-07	1.57E-07
1176	3.76E-08	1.18E-07	1.56E-07
1177	3.75E-08	1.17E-07	1.55E-07
1178	3.75E-08	1.16E-07	1.54E-07
1179	3.76E-08	1.16E-07	1.54E-07
1180	3.79E-08	1.17E-07	1.55E-07
1181	3.83E-08	1.17E-07	1.55E-07
1182	5.11E-08	3.10E-07	3.61E-07
1183	5.26E-08	3.18E-07	3.71E-07
1184	5.41E-08	3.22E-07	3.76E-07
1185	5.57E-08	3.28E-07	3.84E-07
1186	5.73E-08	3.33E-07	3.90E-07

1187	5.90E-08	3.37E-07	3.96E-07
1188	6.07E-08	3.42E-07	4.03E-07
1189	6.25E-08	3.47E-07	4.10E-07
1190	6.43E-08	3.52E-07	4.16E-07
1191	6.62E-08	3.57E-07	4.23E-07
1192	6.80E-08	3.62E-07	4.30E-07
1193	6.99E-08	3.67E-07	4.37E-07
1194	6.01E-08	3.48E-07	4.08E-07
1195	5.69E-08	3.43E-07	4.00E-07
1196	5.40E-08	3.40E-07	3.94E-07
1197	3.91E-08	2.55E-07	2.94E-07
1198	4.20E-08	2.81E-07	3.23E-07
1199	5.12E-08	3.44E-07	3.95E-07
1200	6.00E-08	3.69E-07	4.29E-07
1201	6.37E-08	3.84E-07	4.48E-07
1202	6.78E-08	4.02E-07	4.70E-07
1203	6.79E-08	4.17E-07	4.85E-07
1204	6.87E-08	4.41E-07	5.10E-07
1205	6.74E-08	4.74E-07	5.41E-07
1206	6.27E-08	5.34E-07	5.97E-07
1207	6.38E-08	6.59E-07	7.23E-07
1208	5.81E-08	7.78E-07	8.36E-07
1209	5.68E-08	5.36E-07	5.93E-07
1210	5.58E-08	4.21E-07	4.77E-07
1211	4.89E-08	2.86E-07	3.35E-07
1212	4.26E-08	2.27E-07	2.70E-07
1213	3.91E-08	1.98E-07	2.37E-07
1214	3.82E-08	1.84E-07	2.22E-07
1215	3.83E-08	1.75E-07	2.13E-07
1216	3.84E-08	1.68E-07	2.06E-07
1217	3.85E-08	1.62E-07	2.01E-07
1218	3.86E-08	1.57E-07	1.96E-07
1219	3.89E-08	1.53E-07	1.92E-07
1220	3.91E-08	1.50E-07	1.89E-07
1221	3.91E-08	1.47E-07	1.86E-07
1222	3.90E-08	1.44E-07	1.83E-07
1223	3.87E-08	1.40E-07	1.79E-07
1224	3.85E-08	1.37E-07	1.76E-07
1225	3.84E-08	1.35E-07	1.73E-07
1226	3.83E-08	1.33E-07	1.71E-07
1227	3.84E-08	1.31E-07	1.69E-07
1228	3.85E-08	1.30E-07	1.69E-07
1229	3.87E-08	1.29E-07	1.68E-07
1230	3.89E-08	1.28E-07	1.67E-07

1231	3.92E-08	1.27E-07	1.66E-07
1232	3.94E-08	1.27E-07	1.66E-07
1233	3.97E-08	1.26E-07	1.66E-07
1234	3.98E-08	1.26E-07	1.66E-07
1235	3.98E-08	1.24E-07	1.64E-07
1236	3.97E-08	1.23E-07	1.63E-07
1237	3.97E-08	1.22E-07	1.62E-07
1238	3.98E-08	1.22E-07	1.62E-07
1239	4.02E-08	1.23E-07	1.63E-07
1240	4.08E-08	1.24E-07	1.65E-07
1241	5.24E-08	2.88E-07	3.40E-07
1242	5.40E-08	2.95E-07	3.49E-07
1243	5.57E-08	3.01E-07	3.57E-07
1244	5.73E-08	3.06E-07	3.63E-07
1245	5.91E-08	3.12E-07	3.71E-07
1246	6.09E-08	3.16E-07	3.77E-07
1247	6.27E-08	3.22E-07	3.85E-07
1248	6.46E-08	3.28E-07	3.93E-07
1249	6.66E-08	3.33E-07	4.00E-07
1250	6.86E-08	3.39E-07	4.08E-07
1251	7.06E-08	3.45E-07	4.16E-07
1252	7.27E-08	3.51E-07	4.24E-07
1253	6.62E-08	3.39E-07	4.05E-07
1254	6.33E-08	3.35E-07	3.98E-07
1255	6.05E-08	3.32E-07	3.93E-07
1256	5.44E-08	3.22E-07	3.76E-07
1257	5.79E-08	3.34E-07	3.92E-07
1258	6.04E-08	3.45E-07	4.05E-07
1259	6.57E-08	3.62E-07	4.28E-07
1260	6.93E-08	3.78E-07	4.47E-07
1261	7.46E-08	4.00E-07	4.75E-07
1262	7.30E-08	4.13E-07	4.86E-07
1263	7.22E-08	4.35E-07	5.07E-07
1264	7.06E-08	4.68E-07	5.39E-07
1265	6.63E-08	5.28E-07	5.94E-07
1266	6.75E-08	6.56E-07	7.24E-07
1267	6.04E-08	7.85E-07	8.45E-07
1268	5.82E-08	5.27E-07	5.85E-07
1269	5.68E-08	4.09E-07	4.66E-07
1270	4.96E-08	2.84E-07	3.34E-07
1271	4.32E-08	2.29E-07	2.72E-07
1272	4.01E-08	2.01E-07	2.41E-07
1273	4.01E-08	1.90E-07	2.30E-07
1274	4.06E-08	1.82E-07	2.23E-07

1275	4.05E-08	1.74E-07	2.15E-07
1276	4.07E-08	1.68E-07	2.09E-07
1277	4.09E-08	1.64E-07	2.05E-07
1278	4.11E-08	1.60E-07	2.01E-07
1279	4.13E-08	1.57E-07	1.98E-07
1280	4.13E-08	1.53E-07	1.94E-07
1281	4.13E-08	1.51E-07	1.92E-07
1282	4.09E-08	1.46E-07	1.87E-07
1283	4.08E-08	1.43E-07	1.84E-07
1284	4.06E-08	1.41E-07	1.82E-07
1285	4.05E-08	1.38E-07	1.79E-07
1286	4.06E-08	1.37E-07	1.78E-07
1287	4.08E-08	1.35E-07	1.76E-07
1288	4.10E-08	1.34E-07	1.75E-07
1289	4.13E-08	1.34E-07	1.75E-07
1290	4.17E-08	1.34E-07	1.76E-07
1291	4.19E-08	1.33E-07	1.75E-07
1292	4.22E-08	1.33E-07	1.75E-07
1293	4.25E-08	1.33E-07	1.76E-07
1294	4.23E-08	1.31E-07	1.73E-07
1295	4.21E-08	1.30E-07	1.72E-07
1296	4.21E-08	1.29E-07	1.71E-07
1297	4.23E-08	1.28E-07	1.70E-07
1298	4.27E-08	1.29E-07	1.72E-07
1299	4.32E-08	1.30E-07	1.73E-07
1300	5.38E-08	2.73E-07	3.27E-07
1301	5.55E-08	2.79E-07	3.35E-07
1302	5.72E-08	2.85E-07	3.42E-07
1303	5.90E-08	2.91E-07	3.50E-07
1304	6.09E-08	2.97E-07	3.58E-07
1305	6.28E-08	3.02E-07	3.65E-07
1306	6.48E-08	3.08E-07	3.73E-07
1307	6.68E-08	3.14E-07	3.81E-07
1308	6.89E-08	3.21E-07	3.90E-07
1309	7.11E-08	3.27E-07	3.98E-07
1310	7.33E-08	3.34E-07	4.07E-07
1311	7.55E-08	3.42E-07	4.18E-07
1312	7.78E-08	3.49E-07	4.27E-07
1313	6.97E-08	3.33E-07	4.03E-07
1314	6.89E-08	3.35E-07	4.04E-07
1315	6.55E-08	3.31E-07	3.97E-07
1316	6.46E-08	3.34E-07	3.99E-07
1317	6.82E-08	3.47E-07	4.15E-07
1318	7.19E-08	3.62E-07	4.34E-07

1319	7.65E-08	3.81E-07	4.58E-07
1320	7.97E-08	3.99E-07	4.79E-07
1321	7.92E-08	4.15E-07	4.94E-07
1322	7.97E-08	4.39E-07	5.19E-07
1323	7.55E-08	4.69E-07	5.45E-07
1324	6.99E-08	5.28E-07	5.98E-07
1325	7.12E-08	6.57E-07	7.28E-07
1326	6.25E-08	7.75E-07	8.38E-07
1327	5.90E-08	4.94E-07	5.53E-07
1328	5.76E-08	3.87E-07	4.45E-07
1329	4.90E-08	2.75E-07	3.24E-07
1330	4.41E-08	2.31E-07	2.75E-07
1331	4.21E-08	2.08E-07	2.50E-07
1332	4.24E-08	1.97E-07	2.39E-07
1333	4.30E-08	1.89E-07	2.32E-07
1334	4.27E-08	1.80E-07	2.23E-07
1335	4.32E-08	1.75E-07	2.18E-07
1336	4.36E-08	1.71E-07	2.15E-07
1337	4.38E-08	1.68E-07	2.12E-07
1338	4.39E-08	1.64E-07	2.08E-07
1339	4.40E-08	1.61E-07	2.05E-07
1340	4.38E-08	1.57E-07	2.01E-07
1341	4.36E-08	1.54E-07	1.98E-07
1342	4.34E-08	1.51E-07	1.94E-07
1343	4.31E-08	1.47E-07	1.90E-07
1344	4.30E-08	1.45E-07	1.88E-07
1345	4.32E-08	1.43E-07	1.86E-07
1346	4.34E-08	1.42E-07	1.85E-07
1347	4.37E-08	1.42E-07	1.86E-07
1348	4.41E-08	1.41E-07	1.85E-07
1349	4.44E-08	1.41E-07	1.85E-07
1350	4.46E-08	1.41E-07	1.86E-07
1351	4.50E-08	1.41E-07	1.86E-07
1352	4.56E-08	1.42E-07	1.88E-07
1353	4.53E-08	1.40E-07	1.85E-07
1354	4.49E-08	1.37E-07	1.82E-07
1355	4.48E-08	1.35E-07	1.80E-07
1356	4.49E-08	1.35E-07	1.80E-07
1357	4.52E-08	1.36E-07	1.81E-07
1358	4.58E-08	1.37E-07	1.83E-07
1359	5.52E-08	2.61E-07	3.16E-07
1360	5.70E-08	2.67E-07	3.24E-07
1361	5.88E-08	2.73E-07	3.32E-07
1362	6.08E-08	2.80E-07	3.41E-07

1363	6.27E-08	2.87E-07	3.50E-07
1364	6.48E-08	2.93E-07	3.58E-07
1365	6.69E-08	2.99E-07	3.66E-07
1366	6.91E-08	3.06E-07	3.75E-07
1367	7.14E-08	3.13E-07	3.84E-07
1368	7.37E-08	3.20E-07	3.94E-07
1369	7.60E-08	3.28E-07	4.04E-07
1370	7.63E-08	3.28E-07	4.04E-07
1371	7.15E-08	3.22E-07	3.94E-07
1372	8.00E-08	3.43E-07	4.23E-07
1373	7.54E-08	3.37E-07	4.12E-07
1374	7.69E-08	3.44E-07	4.21E-07
1375	7.61E-08	3.47E-07	4.23E-07
1376	7.91E-08	3.60E-07	4.39E-07
1377	7.97E-08	3.69E-07	4.49E-07
1378	8.46E-08	3.89E-07	4.74E-07
1379	8.35E-08	3.99E-07	4.83E-07
1380	8.28E-08	4.15E-07	4.98E-07
1381	8.38E-08	4.42E-07	5.26E-07
1382	7.91E-08	4.72E-07	5.51E-07
1383	7.48E-08	5.32E-07	6.07E-07
1384	7.45E-08	6.64E-07	7.39E-07
1385	6.22E-08	6.56E-07	7.18E-07
1386	6.14E-08	4.85E-07	5.46E-07
1387	5.64E-08	3.50E-07	4.06E-07
1388	4.89E-08	2.71E-07	3.20E-07
1389	4.53E-08	2.34E-07	2.79E-07
1390	4.42E-08	2.14E-07	2.58E-07
1391	4.51E-08	2.05E-07	2.50E-07
1392	4.58E-08	1.97E-07	2.43E-07
1393	4.55E-08	1.88E-07	2.34E-07
1394	4.61E-08	1.83E-07	2.29E-07
1395	4.67E-08	1.80E-07	2.27E-07
1396	4.72E-08	1.78E-07	2.25E-07
1397	4.72E-08	1.73E-07	2.20E-07
1398	4.70E-08	1.69E-07	2.16E-07
1399	4.68E-08	1.65E-07	2.12E-07
1400	4.70E-08	1.64E-07	2.11E-07
1401	4.65E-08	1.59E-07	2.06E-07
1402	4.60E-08	1.55E-07	2.01E-07
1403	4.59E-08	1.52E-07	1.98E-07
1404	4.61E-08	1.51E-07	1.97E-07
1405	4.65E-08	1.50E-07	1.97E-07
1406	4.69E-08	1.50E-07	1.97E-07

1407	4.72E-08	1.50E-07	1.97E-07
1408	4.75E-08	1.49E-07	1.97E-07
1409	4.77E-08	1.48E-07	1.96E-07
1410	4.81E-08	1.49E-07	1.97E-07
1411	4.91E-08	1.51E-07	2.00E-07
1412	4.84E-08	1.48E-07	1.96E-07
1413	4.78E-08	1.45E-07	1.93E-07
1414	4.77E-08	1.43E-07	1.91E-07
1415	4.78E-08	1.42E-07	1.90E-07
1416	4.79E-08	1.42E-07	1.90E-07
1417	4.82E-08	1.43E-07	1.91E-07
1418	5.67E-08	2.52E-07	3.09E-07
1419	5.86E-08	2.59E-07	3.18E-07
1420	6.05E-08	2.65E-07	3.26E-07
1421	6.26E-08	2.72E-07	3.35E-07
1422	6.47E-08	2.79E-07	3.44E-07
1423	6.68E-08	2.85E-07	3.52E-07
1424	6.91E-08	2.93E-07	3.62E-07
1425	7.15E-08	3.00E-07	3.72E-07
1426	7.39E-08	3.08E-07	3.82E-07
1427	7.64E-08	3.16E-07	3.92E-07
1428	7.89E-08	3.24E-07	4.03E-07
1429	8.15E-08	3.32E-07	4.14E-07
1430	7.98E-08	3.31E-07	4.11E-07
1431	7.98E-08	3.31E-07	4.11E-07
1432	8.34E-08	3.44E-07	4.27E-07
1433	8.65E-08	3.59E-07	4.46E-07
1434	8.48E-08	3.57E-07	4.42E-07
1435	8.74E-08	3.69E-07	4.56E-07
1436	9.14E-08	3.84E-07	4.75E-07
1437	9.10E-08	3.95E-07	4.86E-07
1438	8.97E-08	4.06E-07	4.96E-07
1439	8.89E-08	4.23E-07	5.12E-07
1440	8.69E-08	4.44E-07	5.31E-07
1441	8.12E-08	4.74E-07	5.55E-07
1442	7.94E-08	5.40E-07	6.19E-07
1443	7.69E-08	6.79E-07	7.56E-07
1444	6.59E-08	6.58E-07	7.24E-07
1445	6.30E-08	4.61E-07	5.24E-07
1446	5.67E-08	3.39E-07	3.96E-07
1447	5.12E-08	2.78E-07	3.29E-07
1448	4.73E-08	2.40E-07	2.87E-07
1449	4.72E-08	2.23E-07	2.70E-07
1450	4.79E-08	2.13E-07	2.61E-07

1451	4.88E-08	2.06E-07	2.55E-07
1452	4.92E-08	1.99E-07	2.48E-07
1453	4.99E-08	1.95E-07	2.45E-07
1454	5.07E-08	1.92E-07	2.43E-07
1455	5.12E-08	1.89E-07	2.40E-07
1456	5.03E-08	1.82E-07	2.32E-07
1457	5.01E-08	1.78E-07	2.28E-07
1458	5.06E-08	1.76E-07	2.27E-07
1459	5.09E-08	1.74E-07	2.25E-07
1460	4.99E-08	1.69E-07	2.19E-07
1461	4.94E-08	1.64E-07	2.13E-07
1462	4.93E-08	1.61E-07	2.10E-07
1463	4.95E-08	1.60E-07	2.10E-07
1464	5.00E-08	1.60E-07	2.10E-07
1465	5.06E-08	1.60E-07	2.11E-07
1466	5.10E-08	1.60E-07	2.11E-07
1467	5.11E-08	1.59E-07	2.10E-07
1468	5.15E-08	1.59E-07	2.11E-07
1469	5.19E-08	1.59E-07	2.11E-07
1470	5.28E-08	1.61E-07	2.14E-07
1471	5.20E-08	1.57E-07	2.09E-07
1472	5.13E-08	1.54E-07	2.05E-07
1473	5.11E-08	1.52E-07	2.03E-07
1474	5.09E-08	1.50E-07	2.01E-07
1475	5.05E-08	1.49E-07	2.00E-07
1476	5.06E-08	1.49E-07	2.00E-07
1477	5.82E-08	2.46E-07	3.04E-07
1478	6.01E-08	2.53E-07	3.13E-07
1479	6.22E-08	2.60E-07	3.22E-07
1480	6.44E-08	2.67E-07	3.31E-07
1481	6.66E-08	2.74E-07	3.41E-07
1482	6.90E-08	2.81E-07	3.50E-07
1483	7.14E-08	2.88E-07	3.59E-07
1484	7.39E-08	2.96E-07	3.70E-07
1485	7.65E-08	3.05E-07	3.82E-07
1486	7.92E-08	3.13E-07	3.92E-07
1487	8.20E-08	3.22E-07	4.04E-07
1488	8.48E-08	3.31E-07	4.16E-07
1489	7.33E-08	3.07E-07	3.80E-07
1490	8.32E-08	3.31E-07	4.14E-07
1491	9.14E-08	3.52E-07	4.43E-07
1492	9.46E-08	3.64E-07	4.59E-07
1493	9.19E-08	3.63E-07	4.55E-07
1494	9.78E-08	3.88E-07	4.86E-07

1495	1.04E-07	4.05E-07	5.09E-07
1496	1.03E-07	4.21E-07	5.24E-07
1497	9.83E-08	4.20E-07	5.18E-07
1498	9.19E-08	4.25E-07	5.17E-07
1499	9.18E-08	4.51E-07	5.43E-07
1500	8.68E-08	4.83E-07	5.70E-07
1501	8.34E-08	5.49E-07	6.32E-07
1502	6.41E-08	5.06E-07	5.70E-07
1503	6.61E-08	5.72E-07	6.38E-07
1504	6.37E-08	4.31E-07	4.95E-07
1505	5.71E-08	3.32E-07	3.89E-07
1506	5.24E-08	2.79E-07	3.31E-07
1507	4.97E-08	2.47E-07	2.97E-07
1508	5.03E-08	2.33E-07	2.83E-07
1509	5.18E-08	2.25E-07	2.77E-07
1510	5.42E-08	2.23E-07	2.77E-07
1511	5.46E-08	2.16E-07	2.71E-07
1512	5.47E-08	2.09E-07	2.64E-07
1513	5.58E-08	2.08E-07	2.64E-07
1514	5.51E-08	2.00E-07	2.55E-07
1515	5.41E-08	1.92E-07	2.46E-07
1516	5.40E-08	1.88E-07	2.42E-07
1517	5.50E-08	1.89E-07	2.44E-07
1518	5.59E-08	1.89E-07	2.45E-07
1519	5.45E-08	1.82E-07	2.37E-07
1520	5.35E-08	1.76E-07	2.30E-07
1521	5.33E-08	1.72E-07	2.25E-07
1522	5.35E-08	1.71E-07	2.25E-07
1523	5.42E-08	1.71E-07	2.25E-07
1524	5.50E-08	1.72E-07	2.27E-07
1525	5.51E-08	1.71E-07	2.26E-07
1526	5.47E-08	1.68E-07	2.23E-07
1527	5.53E-08	1.68E-07	2.23E-07
1528	5.62E-08	1.71E-07	2.27E-07
1529	5.72E-08	1.73E-07	2.30E-07
1530	5.64E-08	1.69E-07	2.25E-07
1531	5.55E-08	1.65E-07	2.21E-07
1532	5.52E-08	1.63E-07	2.18E-07
1533	5.45E-08	1.60E-07	2.15E-07
1534	5.35E-08	1.56E-07	2.10E-07
1535	5.33E-08	1.55E-07	2.08E-07
1536	5.97E-08	2.41E-07	3.01E-07
1537	6.18E-08	2.48E-07	3.10E-07
1538	6.40E-08	2.56E-07	3.20E-07

1539	6.63E-08	2.63E-07	3.29E-07
1540	6.86E-08	2.70E-07	3.39E-07
1541	7.11E-08	2.78E-07	3.49E-07
1542	7.37E-08	2.86E-07	3.60E-07
1543	7.65E-08	2.94E-07	3.71E-07
1544	7.93E-08	3.03E-07	3.82E-07
1545	8.22E-08	3.12E-07	3.94E-07
1546	8.53E-08	3.22E-07	4.07E-07
1547	8.74E-08	3.26E-07	4.13E-07
1548	8.69E-08	3.31E-07	4.18E-07
1549	9.50E-08	3.54E-07	4.49E-07
1550	9.83E-08	3.65E-07	4.63E-07
1551	1.01E-07	3.74E-07	4.75E-07
1552	1.03E-07	3.81E-07	4.84E-07
1553	1.09E-07	4.03E-07	5.12E-07
1554	1.13E-07	4.24E-07	5.37E-07
1555	1.16E-07	4.43E-07	5.59E-07
1556	1.16E-07	4.52E-07	5.68E-07
1557	9.65E-08	4.31E-07	5.28E-07
1558	9.61E-08	4.58E-07	5.54E-07
1559	9.07E-08	4.89E-07	5.80E-07
1560	7.61E-08	5.27E-07	6.03E-07
1561	6.07E-08	4.17E-07	4.78E-07
1562	6.63E-08	5.27E-07	5.93E-07
1563	6.39E-08	4.11E-07	4.75E-07
1564	5.70E-08	3.26E-07	3.83E-07
1565	5.51E-08	2.87E-07	3.42E-07
1566	5.36E-08	2.59E-07	3.13E-07
1567	5.42E-08	2.44E-07	2.98E-07
1568	5.75E-08	2.43E-07	3.01E-07
1569	6.15E-08	2.47E-07	3.09E-07
1570	6.13E-08	2.37E-07	2.98E-07
1571	6.05E-08	2.27E-07	2.88E-07
1572	6.23E-08	2.28E-07	2.90E-07
1573	5.99E-08	2.14E-07	2.74E-07
1574	5.84E-08	2.04E-07	2.62E-07
1575	5.90E-08	2.03E-07	2.62E-07
1576	6.12E-08	2.07E-07	2.68E-07
1577	6.22E-08	2.08E-07	2.70E-07
1578	5.99E-08	1.97E-07	2.57E-07
1579	5.84E-08	1.89E-07	2.47E-07
1580	5.79E-08	1.85E-07	2.43E-07
1581	5.83E-08	1.84E-07	2.42E-07
1582	5.91E-08	1.85E-07	2.44E-07

1583	6.02E-08	1.87E-07	2.47E-07
1584	6.00E-08	1.84E-07	2.44E-07
1585	5.91E-08	1.79E-07	2.38E-07
1586	5.94E-08	1.79E-07	2.38E-07
1587	6.12E-08	1.84E-07	2.45E-07
1588	6.23E-08	1.87E-07	2.49E-07
1589	6.14E-08	1.82E-07	2.43E-07
1590	6.05E-08	1.79E-07	2.40E-07
1591	6.00E-08	1.76E-07	2.36E-07
1592	5.81E-08	1.69E-07	2.27E-07
1593	5.67E-08	1.64E-07	2.21E-07
1594	5.65E-08	1.63E-07	2.20E-07
1595	6.12E-08	2.38E-07	2.99E-07
1596	6.34E-08	2.45E-07	3.08E-07
1597	6.57E-08	2.53E-07	3.19E-07
1598	6.82E-08	2.60E-07	3.28E-07
1599	7.07E-08	2.68E-07	3.39E-07
1600	7.34E-08	2.76E-07	3.49E-07
1601	7.62E-08	2.85E-07	3.61E-07
1602	7.91E-08	2.94E-07	3.73E-07
1603	8.21E-08	3.03E-07	3.85E-07
1604	8.53E-08	3.13E-07	3.98E-07
1605	8.86E-08	3.23E-07	4.12E-07
1606	9.20E-08	3.34E-07	4.26E-07
1607	9.56E-08	3.45E-07	4.41E-07
1608	9.93E-08	3.57E-07	4.56E-07
1609	1.03E-07	3.70E-07	4.73E-07
1610	1.07E-07	3.84E-07	4.91E-07
1611	1.11E-07	3.99E-07	5.10E-07
1612	1.15E-07	4.16E-07	5.31E-07
1613	1.19E-07	4.34E-07	5.53E-07
1614	1.23E-07	4.54E-07	5.77E-07
1615	1.27E-07	4.72E-07	5.99E-07
1616	1.28E-07	4.91E-07	6.19E-07
1617	1.14E-07	4.92E-07	6.06E-07
1618	9.72E-08	5.00E-07	5.97E-07
1619	7.29E-08	4.56E-07	5.29E-07
1620	7.21E-08	5.04E-07	5.76E-07
1621	7.29E-08	5.59E-07	6.32E-07
1622	6.84E-08	4.25E-07	4.93E-07
1623	6.23E-08	3.44E-07	4.06E-07
1624	6.10E-08	3.06E-07	3.67E-07
1625	6.19E-08	2.87E-07	3.49E-07
1626	6.10E-08	2.67E-07	3.28E-07

1627	6.52E-08	2.69E-07	3.34E-07
1628	7.05E-08	2.77E-07	3.48E-07
1629	6.88E-08	2.61E-07	3.30E-07
1630	6.73E-08	2.48E-07	3.15E-07
1631	6.97E-08	2.51E-07	3.21E-07
1632	6.51E-08	2.29E-07	2.94E-07
1633	6.45E-08	2.22E-07	2.87E-07
1634	6.64E-08	2.25E-07	2.91E-07
1635	6.93E-08	2.32E-07	3.01E-07
1636	7.00E-08	2.31E-07	3.01E-07
1637	6.63E-08	2.15E-07	2.81E-07
1638	6.40E-08	2.05E-07	2.69E-07
1639	6.32E-08	1.99E-07	2.62E-07
1640	6.39E-08	2.00E-07	2.64E-07
1641	6.50E-08	2.01E-07	2.66E-07
1642	6.65E-08	2.04E-07	2.71E-07
1643	6.55E-08	1.99E-07	2.65E-07
1644	6.43E-08	1.93E-07	2.57E-07
1645	6.49E-08	1.94E-07	2.59E-07
1646	6.77E-08	2.02E-07	2.70E-07
1647	6.80E-08	2.02E-07	2.70E-07
1648	6.72E-08	1.98E-07	2.65E-07
1649	6.60E-08	1.93E-07	2.59E-07
1650	6.39E-08	1.86E-07	2.50E-07
1651	6.16E-08	1.77E-07	2.39E-07
1652	6.02E-08	1.72E-07	2.32E-07
1653	6.01E-08	1.72E-07	2.32E-07
1654	6.27E-08	2.36E-07	2.99E-07
1655	6.50E-08	2.43E-07	3.08E-07
1656	6.75E-08	2.50E-07	3.18E-07
1657	7.00E-08	2.58E-07	3.28E-07
1658	7.28E-08	2.67E-07	3.40E-07
1659	7.57E-08	2.76E-07	3.52E-07
1660	7.87E-08	2.85E-07	3.64E-07
1661	8.18E-08	2.94E-07	3.76E-07
1662	8.51E-08	3.04E-07	3.89E-07
1663	8.85E-08	3.14E-07	4.03E-07
1664	9.21E-08	3.25E-07	4.17E-07
1665	9.59E-08	3.37E-07	4.33E-07
1666	9.98E-08	3.49E-07	4.49E-07
1667	1.04E-07	3.63E-07	4.67E-07
1668	1.08E-07	3.77E-07	4.85E-07
1669	1.12E-07	3.92E-07	5.04E-07
1670	1.17E-07	4.08E-07	5.25E-07

1671	1.21E-07	4.26E-07	5.47E-07
1672	1.26E-07	4.45E-07	5.71E-07
1673	1.31E-07	4.67E-07	5.98E-07
1674	1.35E-07	4.92E-07	6.27E-07
1675	1.39E-07	5.13E-07	6.52E-07
1676	1.22E-07	5.06E-07	6.28E-07
1677	9.44E-08	4.91E-07	5.85E-07
1678	8.17E-08	4.93E-07	5.75E-07
1679	8.36E-08	5.91E-07	6.75E-07
1680	8.71E-08	6.84E-07	7.71E-07
1681	7.90E-08	4.81E-07	5.60E-07
1682	7.05E-08	3.75E-07	4.46E-07
1683	6.83E-08	3.32E-07	4.00E-07
1684	6.95E-08	3.13E-07	3.83E-07
1685	7.08E-08	2.99E-07	3.70E-07
1686	7.70E-08	3.09E-07	3.86E-07
1687	7.96E-08	3.07E-07	3.87E-07
1688	7.72E-08	2.88E-07	3.65E-07
1689	7.59E-08	2.75E-07	3.51E-07
1690	7.86E-08	2.78E-07	3.57E-07
1691	7.38E-08	2.55E-07	3.29E-07
1692	7.46E-08	2.53E-07	3.28E-07
1693	7.79E-08	2.61E-07	3.39E-07
1694	8.16E-08	2.70E-07	3.52E-07
1695	7.77E-08	2.53E-07	3.31E-07
1696	7.33E-08	2.35E-07	3.08E-07
1697	7.06E-08	2.23E-07	2.94E-07
1698	6.94E-08	2.16E-07	2.85E-07
1699	7.06E-08	2.18E-07	2.89E-07
1700	7.25E-08	2.22E-07	2.95E-07
1701	7.35E-08	2.23E-07	2.97E-07
1702	7.31E-08	2.20E-07	2.93E-07
1703	7.17E-08	2.14E-07	2.86E-07
1704	7.12E-08	2.11E-07	2.82E-07
1705	7.45E-08	2.20E-07	2.95E-07
1706	7.38E-08	2.17E-07	2.91E-07
1707	7.22E-08	2.11E-07	2.83E-07
1708	6.89E-08	1.99E-07	2.68E-07
1709	6.66E-08	1.91E-07	2.58E-07
1710	6.50E-08	1.85E-07	2.50E-07
1711	6.39E-08	1.82E-07	2.46E-07
1712	6.40E-08	1.82E-07	2.46E-07
1713	6.42E-08	2.34E-07	2.98E-07
1714	6.67E-08	2.42E-07	3.09E-07

1715	6.93E-08	2.49E-07	3.18E-07
1716	7.20E-08	2.58E-07	3.30E-07
1717	7.49E-08	2.67E-07	3.42E-07
1718	7.80E-08	2.76E-07	3.54E-07
1719	8.12E-08	2.86E-07	3.67E-07
1720	8.46E-08	2.95E-07	3.80E-07
1721	8.81E-08	3.06E-07	3.94E-07
1722	9.18E-08	3.17E-07	4.09E-07
1723	8.24E-08	2.45E-07	3.27E-07
1724	8.23E-08	2.43E-07	3.25E-07
1725	8.16E-08	2.39E-07	3.21E-07
1726	8.07E-08	2.36E-07	3.17E-07
1727	7.74E-08	2.24E-07	3.01E-07
1728	7.31E-08	2.09E-07	2.82E-07
1729	7.06E-08	2.00E-07	2.71E-07
1730	6.89E-08	1.95E-07	2.64E-07
1731	6.75E-08	1.90E-07	2.58E-07
1732	6.72E-08	1.90E-07	2.57E-07
1733	6.58E-08	2.34E-07	3.00E-07
1734	6.83E-08	2.41E-07	3.09E-07
1735	7.11E-08	2.49E-07	3.20E-07
1736	7.40E-08	2.58E-07	3.32E-07
1737	7.71E-08	2.68E-07	3.45E-07
1738	8.04E-08	2.78E-07	3.58E-07
1739	8.38E-08	2.87E-07	3.71E-07
1740	8.73E-08	2.97E-07	3.84E-07
1741	9.12E-08	3.08E-07	3.99E-07
1742	9.52E-08	3.20E-07	4.15E-07
1743	8.94E-08	2.63E-07	3.52E-07
1744	8.81E-08	2.57E-07	3.45E-07
1745	8.71E-08	2.53E-07	3.40E-07
1746	8.61E-08	2.49E-07	3.35E-07
1747	8.46E-08	2.43E-07	3.28E-07
1748	8.03E-08	2.29E-07	3.09E-07
1749	7.59E-08	2.14E-07	2.90E-07
1750	7.28E-08	2.04E-07	2.77E-07
1751	7.11E-08	1.99E-07	2.70E-07
1752	7.02E-08	1.97E-07	2.67E-07
1753	6.74E-08	2.34E-07	3.01E-07
1754	7.00E-08	2.42E-07	3.12E-07
1755	7.29E-08	2.50E-07	3.23E-07
1756	7.60E-08	2.59E-07	3.35E-07
1757	7.93E-08	2.69E-07	3.48E-07
1758	8.28E-08	2.79E-07	3.62E-07

1759	8.64E-08	2.89E-07	3.75E-07
1760	9.02E-08	3.00E-07	3.90E-07
1761	9.43E-08	3.12E-07	4.06E-07
1762	9.87E-08	3.24E-07	4.23E-07
1763	9.61E-08	2.79E-07	3.75E-07
1764	9.49E-08	2.74E-07	3.69E-07
1765	9.37E-08	2.69E-07	3.63E-07
1766	9.14E-08	2.61E-07	3.52E-07
1767	9.04E-08	2.58E-07	3.48E-07
1768	8.74E-08	2.48E-07	3.35E-07
1769	8.20E-08	2.30E-07	3.12E-07
1770	7.73E-08	2.16E-07	2.93E-07
1771	7.50E-08	2.09E-07	2.84E-07
1772	7.42E-08	2.08E-07	2.82E-07
1773	6.89E-08	2.35E-07	3.04E-07
1774	7.17E-08	2.42E-07	3.14E-07
1775	7.47E-08	2.51E-07	3.26E-07
1776	7.80E-08	2.61E-07	3.39E-07
1777	8.15E-08	2.71E-07	3.53E-07
1778	8.52E-08	2.81E-07	3.66E-07
1779	8.91E-08	2.92E-07	3.81E-07
1780	9.33E-08	3.04E-07	3.97E-07
1781	9.77E-08	3.16E-07	4.14E-07
1782	1.02E-07	3.30E-07	4.32E-07
1783	1.03E-07	2.96E-07	3.99E-07
1784	1.04E-07	2.98E-07	4.02E-07
1785	1.01E-07	2.87E-07	3.88E-07
1786	9.81E-08	2.78E-07	3.76E-07
1787	9.66E-08	2.74E-07	3.71E-07
1788	9.35E-08	2.64E-07	3.58E-07
1789	8.72E-08	2.44E-07	3.31E-07
1790	8.22E-08	2.28E-07	3.10E-07
1791	7.88E-08	2.19E-07	2.98E-07
1792	7.78E-08	2.16E-07	2.94E-07
1793	7.04E-08	2.35E-07	3.05E-07
1794	7.33E-08	2.43E-07	3.16E-07
1795	7.65E-08	2.52E-07	3.29E-07
1796	8.00E-08	2.62E-07	3.42E-07
1797	8.37E-08	2.73E-07	3.57E-07
1798	8.76E-08	2.84E-07	3.72E-07
1799	9.18E-08	2.96E-07	3.88E-07
1800	9.63E-08	3.08E-07	4.04E-07
1801	1.01E-07	3.21E-07	4.22E-07
1802	1.06E-07	3.35E-07	4.41E-07

1803	1.14E-07	3.24E-07	4.38E-07
1804	1.12E-07	3.18E-07	4.30E-07
1805	1.10E-07	3.11E-07	4.21E-07
1806	1.07E-07	3.02E-07	4.09E-07
1807	1.04E-07	2.92E-07	3.96E-07
1808	9.92E-08	2.79E-07	3.78E-07
1809	9.18E-08	2.55E-07	3.47E-07
1810	8.54E-08	2.35E-07	3.20E-07
1811	8.17E-08	2.25E-07	3.07E-07
1812	8.01E-08	2.21E-07	3.01E-07
1813	7.18E-08	2.36E-07	3.08E-07
1814	7.49E-08	2.44E-07	3.19E-07
1815	7.83E-08	2.54E-07	3.32E-07
1816	8.20E-08	2.64E-07	3.46E-07
1817	8.59E-08	2.75E-07	3.61E-07
1818	9.00E-08	2.87E-07	3.77E-07
1819	9.45E-08	2.99E-07	3.94E-07
1820	9.93E-08	3.12E-07	4.11E-07
1821	1.04E-07	3.26E-07	4.30E-07
1822	1.10E-07	3.41E-07	4.51E-07
1823	1.29E-07	3.65E-07	4.94E-07
1824	1.22E-07	3.45E-07	4.67E-07
1825	1.19E-07	3.36E-07	4.55E-07
1826	1.14E-07	3.22E-07	4.36E-07
1827	1.09E-07	3.06E-07	4.15E-07
1828	1.03E-07	2.86E-07	3.89E-07
1829	9.40E-08	2.58E-07	3.52E-07
1830	8.73E-08	2.38E-07	3.25E-07
1831	8.41E-08	2.30E-07	3.14E-07
1832	8.16E-08	2.25E-07	3.07E-07
1833	7.33E-08	2.37E-07	3.10E-07
1834	7.65E-08	2.45E-07	3.22E-07
1835	8.02E-08	2.56E-07	3.36E-07
1836	8.40E-08	2.66E-07	3.50E-07
1837	8.81E-08	2.78E-07	3.66E-07
1838	9.24E-08	2.90E-07	3.82E-07
1839	9.72E-08	3.03E-07	4.00E-07
1840	1.02E-07	3.17E-07	4.19E-07
1841	1.08E-07	3.32E-07	4.40E-07
1842	1.14E-07	3.47E-07	4.61E-07
1843	1.44E-07	4.07E-07	5.51E-07
1844	1.37E-07	3.86E-07	5.23E-07
1845	1.28E-07	3.60E-07	4.88E-07
1846	1.19E-07	3.31E-07	4.50E-07

1847	1.13E-07	3.12E-07	4.25E-07
1848	1.04E-07	2.87E-07	3.91E-07
1849	9.64E-08	2.63E-07	3.59E-07
1850	8.95E-08	2.44E-07	3.34E-07
1851	8.54E-08	2.34E-07	3.19E-07
1852	8.27E-08	2.29E-07	3.12E-07
1853	7.47E-08	2.38E-07	3.13E-07
1854	7.81E-08	2.47E-07	3.25E-07
1855	8.19E-08	2.58E-07	3.40E-07
1856	8.59E-08	2.69E-07	3.55E-07
1857	9.02E-08	2.81E-07	3.71E-07
1858	9.48E-08	2.93E-07	3.88E-07
1859	9.98E-08	3.07E-07	4.07E-07
1860	1.05E-07	3.22E-07	4.27E-07
1861	1.11E-07	3.37E-07	4.48E-07
1862	1.17E-07	3.54E-07	4.71E-07
1863	1.58E-07	4.40E-07	5.98E-07
1864	1.47E-07	4.08E-07	5.55E-07
1865	1.29E-07	3.56E-07	4.85E-07
1866	1.19E-07	3.24E-07	4.43E-07
1867	1.12E-07	3.04E-07	4.16E-07
1868	1.05E-07	2.88E-07	3.93E-07
1869	9.78E-08	2.67E-07	3.65E-07
1870	9.04E-08	2.47E-07	3.37E-07
1871	8.66E-08	2.38E-07	3.25E-07
1872	8.39E-08	2.33E-07	3.17E-07
1873	7.61E-08	2.39E-07	3.15E-07
1874	7.96E-08	2.49E-07	3.29E-07
1875	8.36E-08	2.60E-07	3.44E-07
1876	8.77E-08	2.71E-07	3.59E-07
1877	9.23E-08	2.84E-07	3.76E-07
1878	9.71E-08	2.96E-07	3.93E-07
1879	1.02E-07	3.11E-07	4.13E-07
1880	1.08E-07	3.27E-07	4.35E-07
1881	1.14E-07	3.43E-07	4.57E-07
1882	1.21E-07	3.61E-07	4.82E-07
1883	1.67E-07	4.60E-07	6.27E-07
1884	1.48E-07	4.07E-07	5.55E-07
1885	1.31E-07	3.55E-07	4.86E-07
1886	1.20E-07	3.26E-07	4.46E-07
1887	1.12E-07	3.03E-07	4.15E-07
1888	1.04E-07	2.84E-07	3.88E-07
1889	9.86E-08	2.70E-07	3.69E-07
1890	9.22E-08	2.53E-07	3.45E-07

1891	8.84E-08	2.43E-07	3.31E-07
1892	8.54E-08	2.36E-07	3.21E-07
1893	7.74E-08	2.41E-07	3.18E-07
1894	8.11E-08	2.51E-07	3.32E-07
1895	8.52E-08	2.62E-07	3.47E-07
1896	8.95E-08	2.74E-07	3.64E-07
1897	9.44E-08	2.87E-07	3.81E-07
1898	9.94E-08	3.00E-07	3.99E-07
1899	1.05E-07	3.15E-07	4.20E-07
1900	1.11E-07	3.31E-07	4.42E-07
1901	1.18E-07	3.49E-07	4.67E-07
1902	1.25E-07	3.68E-07	4.93E-07
1903	1.70E-07	4.63E-07	6.33E-07
1904	1.50E-07	4.10E-07	5.60E-07
1905	1.36E-07	3.70E-07	5.06E-07
1906	1.22E-07	3.31E-07	4.53E-07
1907	1.11E-07	3.02E-07	4.13E-07
1908	1.05E-07	2.84E-07	3.89E-07
1909	9.90E-08	2.69E-07	3.68E-07
1910	9.40E-08	2.56E-07	3.50E-07
1911	9.04E-08	2.47E-07	3.37E-07
1912	8.70E-08	2.38E-07	3.25E-07
1913	7.87E-08	2.43E-07	3.22E-07
1914	8.25E-08	2.52E-07	3.35E-07
1915	8.67E-08	2.64E-07	3.51E-07
1916	9.13E-08	2.76E-07	3.67E-07
1917	9.63E-08	2.90E-07	3.86E-07
1918	1.02E-07	3.04E-07	4.06E-07
1919	1.08E-07	3.20E-07	4.28E-07
1920	1.14E-07	3.36E-07	4.50E-07
1921	1.21E-07	3.55E-07	4.76E-07
1922	1.28E-07	3.74E-07	5.02E-07
1923	1.67E-07	4.55E-07	6.22E-07
1924	1.52E-07	4.17E-07	5.69E-07
1925	1.40E-07	3.84E-07	5.24E-07
1926	1.26E-07	3.43E-07	4.69E-07
1927	1.13E-07	3.03E-07	4.16E-07
1928	1.05E-07	2.81E-07	3.86E-07
1929	9.88E-08	2.65E-07	3.64E-07
1930	9.55E-08	2.57E-07	3.53E-07
1931	9.17E-08	2.49E-07	3.41E-07
1932	8.76E-08	2.39E-07	3.27E-07
1933	7.99E-08	2.44E-07	3.24E-07
1934	8.38E-08	2.54E-07	3.38E-07

1935	8.82E-08	2.66E-07	3.54E-07
1936	9.30E-08	2.79E-07	3.72E-07
1937	9.81E-08	2.93E-07	3.91E-07
1938	1.04E-07	3.07E-07	4.11E-07
1939	1.10E-07	3.23E-07	4.33E-07
1940	1.17E-07	3.41E-07	4.58E-07
1941	1.24E-07	3.60E-07	4.84E-07
1942	1.32E-07	3.81E-07	5.13E-07
1943	1.65E-07	4.49E-07	6.14E-07
1944	1.55E-07	4.22E-07	5.77E-07
1945	1.39E-07	3.76E-07	5.15E-07
1946	1.25E-07	3.35E-07	4.60E-07
1947	1.12E-07	2.97E-07	4.09E-07
1948	1.04E-07	2.76E-07	3.80E-07
1949	9.83E-08	2.61E-07	3.59E-07
1950	9.50E-08	2.55E-07	3.50E-07
1951	9.15E-08	2.48E-07	3.40E-07
1952	8.68E-08	2.37E-07	3.24E-07
1953	8.09E-08	2.45E-07	3.26E-07
1954	8.50E-08	2.56E-07	3.41E-07
1955	8.95E-08	2.68E-07	3.58E-07
1956	9.44E-08	2.81E-07	3.75E-07
1957	9.97E-08	2.95E-07	3.95E-07
1958	1.06E-07	3.10E-07	4.16E-07
1959	1.12E-07	3.27E-07	4.39E-07
1960	1.19E-07	3.46E-07	4.65E-07
1961	1.27E-07	3.66E-07	4.93E-07
1962	1.35E-07	3.88E-07	5.23E-07
1963	1.66E-07	4.46E-07	6.12E-07
1964	1.52E-07	4.08E-07	5.60E-07
1965	1.35E-07	3.57E-07	4.92E-07
1966	1.22E-07	3.21E-07	4.43E-07
1967	1.11E-07	2.91E-07	4.02E-07
1968	1.02E-07	2.70E-07	3.72E-07
1969	9.63E-08	2.57E-07	3.53E-07
1970	9.25E-08	2.50E-07	3.43E-07
1971	8.93E-08	2.45E-07	3.34E-07
1972	8.48E-08	2.36E-07	3.21E-07
1973	8.18E-08	2.46E-07	3.28E-07
1974	8.61E-08	2.57E-07	3.43E-07
1975	9.07E-08	2.70E-07	3.61E-07
1976	9.58E-08	2.83E-07	3.79E-07
1977	1.01E-07	2.97E-07	3.98E-07
1978	1.07E-07	3.13E-07	4.20E-07

1979	1.14E-07	3.30E-07	4.44E-07
1980	1.21E-07	3.49E-07	4.70E-07
1981	1.29E-07	3.71E-07	5.00E-07
1982	1.39E-07	3.94E-07	5.33E-07
1983	1.57E-07	4.11E-07	5.68E-07
1984	1.44E-07	3.78E-07	5.22E-07
1985	1.30E-07	3.44E-07	4.74E-07
1986	1.16E-07	3.05E-07	4.21E-07
1987	1.07E-07	2.85E-07	3.92E-07
1988	9.87E-08	2.65E-07	3.64E-07
1989	9.33E-08	2.54E-07	3.47E-07
1990	9.00E-08	2.49E-07	3.39E-07
1991	8.65E-08	2.42E-07	3.29E-07
1992	8.25E-08	2.33E-07	3.16E-07
1993	8.24E-08	2.46E-07	3.28E-07
1994	8.69E-08	2.58E-07	3.45E-07
1995	9.16E-08	2.70E-07	3.62E-07
1996	9.73E-08	2.86E-07	3.83E-07
1997	1.03E-07	3.01E-07	4.04E-07
1998	1.09E-07	3.17E-07	4.26E-07
1999	1.16E-07	3.34E-07	4.50E-07
2000	1.23E-07	3.53E-07	4.76E-07
2001	1.32E-07	3.75E-07	5.07E-07
2002	1.41E-07	3.99E-07	5.40E-07
2003	1.45E-07	3.79E-07	5.24E-07
2004	1.32E-07	3.48E-07	4.80E-07
2005	1.20E-07	3.21E-07	4.41E-07
2006	1.11E-07	2.99E-07	4.10E-07
2007	1.02E-07	2.79E-07	3.81E-07
2008	9.55E-08	2.63E-07	3.59E-07
2009	8.90E-08	2.47E-07	3.36E-07
2010	8.69E-08	2.45E-07	3.32E-07
2011	8.38E-08	2.38E-07	3.22E-07
2012	8.13E-08	2.32E-07	3.13E-07
2013	8.33E-08	2.47E-07	3.30E-07
2014	8.77E-08	2.59E-07	3.47E-07
2015	9.28E-08	2.72E-07	3.65E-07
2016	9.84E-08	2.88E-07	3.86E-07
2017	1.04E-07	3.03E-07	4.07E-07
2018	1.11E-07	3.20E-07	4.31E-07
2019	1.18E-07	3.37E-07	4.55E-07
2020	1.25E-07	3.57E-07	4.82E-07
2021	1.34E-07	3.79E-07	5.13E-07
2022	1.44E-07	4.04E-07	5.48E-07

2023	1.34E-07	3.59E-07	4.93E-07
2024	1.22E-07	3.29E-07	4.51E-07
2025	1.14E-07	3.10E-07	4.24E-07
2026	1.05E-07	2.89E-07	3.94E-07
2027	9.99E-08	2.78E-07	3.78E-07
2028	9.28E-08	2.59E-07	3.52E-07
2029	8.66E-08	2.43E-07	3.30E-07
2030	8.41E-08	2.37E-07	3.21E-07
2031	7.94E-08	2.25E-07	3.04E-07
2032	7.91E-08	2.25E-07	3.04E-07
2033	8.40E-08	2.48E-07	3.32E-07
2034	8.85E-08	2.60E-07	3.49E-07
2035	9.36E-08	2.74E-07	3.68E-07
2036	9.94E-08	2.89E-07	3.88E-07
2037	1.05E-07	3.05E-07	4.10E-07
2038	1.12E-07	3.22E-07	4.34E-07
2039	1.19E-07	3.40E-07	4.59E-07
2040	1.27E-07	3.61E-07	4.88E-07
2041	1.36E-07	3.84E-07	5.20E-07
2042	1.46E-07	4.09E-07	5.55E-07
2043	1.27E-07	3.43E-07	4.70E-07
2044	1.16E-07	3.17E-07	4.33E-07
2045	1.09E-07	2.98E-07	4.07E-07
2046	1.03E-07	2.83E-07	3.86E-07
2047	9.99E-08	2.78E-07	3.78E-07
2048	9.14E-08	2.54E-07	3.45E-07
2049	8.58E-08	2.39E-07	3.25E-07
2050	8.36E-08	2.35E-07	3.19E-07
2051	7.74E-08	2.18E-07	2.95E-07
2052	7.75E-08	2.20E-07	2.98E-07
2053	8.46E-08	2.49E-07	3.34E-07
2054	8.93E-08	2.62E-07	3.51E-07
2055	9.43E-08	2.75E-07	3.69E-07
2056	9.99E-08	2.89E-07	3.89E-07
2057	1.06E-07	3.05E-07	4.11E-07
2058	1.12E-07	3.22E-07	4.34E-07
2059	1.20E-07	3.41E-07	4.61E-07
2060	1.28E-07	3.61E-07	4.89E-07
2061	1.37E-07	3.84E-07	5.21E-07
2062	1.47E-07	4.10E-07	5.57E-07
2063	1.23E-07	3.33E-07	4.56E-07
2064	1.16E-07	3.17E-07	4.33E-07
2065	1.10E-07	3.01E-07	4.11E-07
2066	1.05E-07	2.91E-07	3.96E-07

2067	1.01E-07	2.82E-07	3.83E-07
2068	9.11E-08	2.54E-07	3.45E-07
2069	8.56E-08	2.40E-07	3.26E-07
2070	8.48E-08	2.40E-07	3.25E-07
2071	7.85E-08	2.23E-07	3.02E-07
2072	7.60E-08	2.17E-07	2.93E-07
2073	8.53E-08	2.51E-07	3.36E-07
2074	9.00E-08	2.63E-07	3.53E-07
2075	9.50E-08	2.76E-07	3.71E-07
2076	1.00E-07	2.90E-07	3.90E-07
2077	1.07E-07	3.06E-07	4.13E-07
2078	1.14E-07	3.24E-07	4.38E-07
2079	1.21E-07	3.45E-07	4.66E-07
2080	1.30E-07	3.66E-07	4.96E-07
2081	1.39E-07	3.88E-07	5.27E-07
2082	1.48E-07	4.13E-07	5.61E-07
2083	1.24E-07	3.41E-07	4.65E-07
2084	1.20E-07	3.34E-07	4.54E-07
2085	1.14E-07	3.17E-07	4.31E-07
2086	1.10E-07	3.08E-07	4.18E-07
2087	1.03E-07	2.90E-07	3.93E-07
2088	9.22E-08	2.60E-07	3.52E-07
2089	8.73E-08	2.48E-07	3.35E-07
2090	8.73E-08	2.49E-07	3.36E-07
2091	8.12E-08	2.33E-07	3.14E-07
2092	7.64E-08	2.20E-07	2.96E-07
2093	8.59E-08	2.52E-07	3.38E-07
2094	9.07E-08	2.65E-07	3.56E-07
2095	9.58E-08	2.78E-07	3.74E-07
2096	1.01E-07	2.93E-07	3.94E-07
2097	1.08E-07	3.09E-07	4.17E-07
2098	1.14E-07	3.27E-07	4.41E-07
2099	1.22E-07	3.46E-07	4.68E-07
2100	1.30E-07	3.68E-07	4.98E-07
2101	1.40E-07	3.92E-07	5.32E-07
2102	1.50E-07	4.18E-07	5.68E-07
2103	1.27E-07	3.51E-07	4.78E-07
2104	1.22E-07	3.41E-07	4.63E-07
2105	1.22E-07	3.41E-07	4.63E-07
2106	1.20E-07	3.38E-07	4.58E-07
2107	1.07E-07	3.02E-07	4.09E-07
2108	9.89E-08	2.81E-07	3.80E-07
2109	9.58E-08	2.73E-07	3.69E-07
2110	9.20E-08	2.63E-07	3.55E-07

2111	8.50E-08	2.44E-07	3.29E-07
2112	7.92E-08	2.28E-07	3.07E-07
2113	8.61E-08	2.52E-07	3.38E-07
2114	9.09E-08	2.65E-07	3.56E-07
2115	9.61E-08	2.78E-07	3.74E-07
2116	1.02E-07	2.93E-07	3.95E-07
2117	1.08E-07	3.09E-07	4.17E-07
2118	1.15E-07	3.27E-07	4.42E-07
2119	1.22E-07	3.47E-07	4.69E-07
2120	1.31E-07	3.69E-07	5.00E-07
2121	1.40E-07	3.93E-07	5.33E-07
2122	1.51E-07	4.20E-07	5.71E-07
2123	1.32E-07	3.61E-07	4.93E-07
2124	1.24E-07	3.42E-07	4.66E-07
2125	1.24E-07	3.44E-07	4.68E-07
2126	1.32E-07	3.65E-07	4.97E-07
2127	1.20E-07	3.34E-07	4.54E-07
2128	1.11E-07	3.13E-07	4.24E-07
2129	1.06E-07	2.99E-07	4.05E-07
2130	9.87E-08	2.79E-07	3.78E-07
2131	9.06E-08	2.57E-07	3.48E-07
2132	8.37E-08	2.39E-07	3.23E-07
2133	8.63E-08	2.52E-07	3.38E-07
2134	9.10E-08	2.64E-07	3.55E-07
2135	9.62E-08	2.78E-07	3.74E-07
2136	1.02E-07	2.93E-07	3.95E-07
2137	1.08E-07	3.09E-07	4.17E-07
2138	1.15E-07	3.27E-07	4.42E-07
2139	1.23E-07	3.47E-07	4.70E-07
2140	1.31E-07	3.68E-07	4.99E-07
2141	1.40E-07	3.93E-07	5.33E-07
2142	1.51E-07	4.20E-07	5.71E-07
2143	1.44E-07	3.92E-07	5.36E-07
2144	1.32E-07	3.60E-07	4.92E-07
2145	1.31E-07	3.61E-07	4.92E-07
2146	1.43E-07	3.89E-07	5.32E-07
2147	1.41E-07	3.83E-07	5.24E-07
2148	1.28E-07	3.52E-07	4.80E-07
2149	1.18E-07	3.26E-07	4.44E-07
2150	1.06E-07	2.96E-07	4.02E-07
2151	9.50E-08	2.68E-07	3.63E-07
2152	8.62E-08	2.44E-07	3.30E-07
2153	8.63E-08	2.52E-07	3.38E-07
2154	9.09E-08	2.64E-07	3.55E-07

2155	9.61E-08	2.77E-07	3.73E-07
2156	1.02E-07	2.92E-07	3.94E-07
2157	1.08E-07	3.08E-07	4.16E-07
2158	1.15E-07	3.26E-07	4.41E-07
2159	1.22E-07	3.45E-07	4.67E-07
2160	1.31E-07	3.67E-07	4.98E-07
2161	1.40E-07	3.91E-07	5.31E-07
2162	1.51E-07	4.19E-07	5.70E-07
2163	1.69E-07	4.58E-07	6.27E-07
2164	1.53E-07	4.17E-07	5.70E-07
2165	1.55E-07	4.21E-07	5.76E-07
2166	1.65E-07	4.39E-07	6.04E-07
2167	1.52E-07	4.09E-07	5.61E-07
2168	1.34E-07	3.66E-07	5.00E-07
2169	1.21E-07	3.33E-07	4.54E-07
2170	1.09E-07	3.04E-07	4.13E-07
2171	9.34E-08	2.63E-07	3.56E-07
2172	8.55E-08	2.41E-07	3.27E-07
2173	8.61E-08	2.51E-07	3.37E-07
2174	9.08E-08	2.63E-07	3.54E-07
2175	9.58E-08	2.76E-07	3.72E-07
2176	1.01E-07	2.90E-07	3.91E-07
2177	1.08E-07	3.06E-07	4.14E-07
2178	1.14E-07	3.24E-07	4.38E-07
2179	1.22E-07	3.44E-07	4.66E-07
2180	1.30E-07	3.65E-07	4.95E-07
2181	1.39E-07	3.89E-07	5.28E-07
2182	1.50E-07	4.15E-07	5.65E-07
2183	2.08E-07	5.46E-07	7.54E-07
2184	2.01E-07	5.29E-07	7.30E-07
2185	1.86E-07	4.92E-07	6.78E-07
2186	1.72E-07	4.57E-07	6.29E-07
2187	1.54E-07	4.13E-07	5.67E-07
2188	1.36E-07	3.69E-07	5.05E-07
2189	1.20E-07	3.29E-07	4.49E-07
2190	1.09E-07	3.02E-07	4.11E-07
2191	9.15E-08	2.57E-07	3.49E-07
2192	8.36E-08	2.35E-07	3.19E-07
2193	8.57E-08	2.49E-07	3.35E-07
2194	9.04E-08	2.61E-07	3.51E-07
2195	9.55E-08	2.75E-07	3.71E-07
2196	1.01E-07	2.89E-07	3.90E-07
2197	1.07E-07	3.05E-07	4.12E-07
2198	1.14E-07	3.22E-07	4.36E-07

2199	1.21E-07	3.41E-07	4.62E-07
2200	1.29E-07	3.62E-07	4.91E-07
2201	1.38E-07	3.85E-07	5.23E-07
2202	1.48E-07	4.11E-07	5.59E-07
2203	2.18E-07	5.77E-07	7.95E-07
2204	2.01E-07	5.35E-07	7.36E-07
2205	1.84E-07	4.88E-07	6.72E-07
2206	1.71E-07	4.55E-07	6.26E-07
2207	1.57E-07	4.20E-07	5.77E-07
2208	1.36E-07	3.68E-07	5.04E-07
2209	1.16E-07	3.19E-07	4.35E-07
2210	1.06E-07	2.95E-07	4.01E-07
2211	9.26E-08	2.59E-07	3.52E-07
2212	8.40E-08	2.36E-07	3.20E-07
2213	8.52E-08	2.47E-07	3.32E-07
2214	8.98E-08	2.59E-07	3.49E-07
2215	9.47E-08	2.71E-07	3.66E-07
2216	1.00E-07	2.86E-07	3.86E-07
2217	1.06E-07	3.01E-07	4.07E-07
2218	1.13E-07	3.18E-07	4.31E-07
2219	1.20E-07	3.36E-07	4.56E-07
2220	1.28E-07	3.57E-07	4.85E-07
2221	1.36E-07	3.79E-07	5.15E-07
2222	1.46E-07	4.05E-07	5.51E-07
2223	2.10E-07	5.63E-07	7.73E-07
2224	1.96E-07	5.25E-07	7.21E-07
2225	1.83E-07	4.89E-07	6.72E-07
2226	1.67E-07	4.48E-07	6.15E-07
2227	1.50E-07	4.04E-07	5.54E-07
2228	1.26E-07	3.45E-07	4.71E-07
2229	1.11E-07	3.08E-07	4.19E-07
2230	1.02E-07	2.82E-07	3.84E-07
2231	8.89E-08	2.48E-07	3.37E-07
2232	8.30E-08	2.32E-07	3.15E-07
2233	8.45E-08	2.45E-07	3.30E-07
2234	8.91E-08	2.57E-07	3.46E-07
2235	9.38E-08	2.68E-07	3.62E-07
2236	9.90E-08	2.82E-07	3.81E-07
2237	1.05E-07	2.97E-07	4.02E-07
2238	1.11E-07	3.13E-07	4.24E-07
2239	1.18E-07	3.32E-07	4.50E-07
2240	1.26E-07	3.51E-07	4.77E-07
2241	1.34E-07	3.73E-07	5.07E-07
2242	1.44E-07	3.97E-07	5.41E-07

2243	2.02E-07	5.49E-07	7.51E-07
2244	1.89E-07	5.12E-07	7.01E-07
2245	1.77E-07	4.78E-07	6.55E-07
2246	1.59E-07	4.31E-07	5.90E-07
2247	1.33E-07	3.64E-07	4.97E-07
2248	1.13E-07	3.14E-07	4.27E-07
2249	1.05E-07	2.94E-07	3.99E-07
2250	9.80E-08	2.74E-07	3.72E-07
2251	8.59E-08	2.40E-07	3.26E-07
2252	7.95E-08	2.23E-07	3.03E-07
2253	8.37E-08	2.42E-07	3.26E-07
2254	8.81E-08	2.53E-07	3.41E-07
2255	9.28E-08	2.65E-07	3.58E-07
2256	9.79E-08	2.79E-07	3.77E-07
2257	1.03E-07	2.92E-07	3.95E-07
2258	1.09E-07	3.08E-07	4.17E-07
2259	1.16E-07	3.26E-07	4.42E-07
2260	1.24E-07	3.44E-07	4.68E-07
2261	1.32E-07	3.65E-07	4.97E-07
2262	1.41E-07	3.88E-07	5.29E-07
2263	1.94E-07	5.37E-07	7.31E-07
2264	1.82E-07	5.00E-07	6.82E-07
2265	1.68E-07	4.60E-07	6.28E-07
2266	1.45E-07	4.00E-07	5.45E-07
2267	1.14E-07	3.22E-07	4.36E-07
2268	9.78E-08	2.76E-07	3.74E-07
2269	9.38E-08	2.65E-07	3.59E-07
2270	8.96E-08	2.53E-07	3.43E-07
2271	8.11E-08	2.29E-07	3.10E-07
2272	7.59E-08	2.14E-07	2.90E-07
2273	8.27E-08	2.39E-07	3.22E-07
2274	8.69E-08	2.50E-07	3.37E-07
2275	9.15E-08	2.61E-07	3.53E-07
2276	9.65E-08	2.74E-07	3.71E-07
2277	1.02E-07	2.88E-07	3.90E-07
2278	1.08E-07	3.03E-07	4.11E-07
2279	1.14E-07	3.19E-07	4.33E-07
2280	1.21E-07	3.37E-07	4.58E-07
2281	1.29E-07	3.56E-07	4.85E-07
2282	1.37E-07	3.78E-07	5.15E-07
2283	1.87E-07	5.27E-07	7.14E-07
2284	1.74E-07	4.87E-07	6.61E-07
2285	1.62E-07	4.50E-07	6.12E-07
2286	1.35E-07	3.76E-07	5.11E-07

2287	1.06E-07	3.02E-07	4.08E-07
2288	9.08E-08	2.60E-07	3.51E-07
2289	8.30E-08	2.37E-07	3.20E-07
2290	8.09E-08	2.31E-07	3.12E-07
2291	7.61E-08	2.17E-07	2.93E-07
2292	7.30E-08	2.08E-07	2.81E-07
2293	8.16E-08	2.35E-07	3.17E-07
2294	8.56E-08	2.45E-07	3.31E-07
2295	9.01E-08	2.57E-07	3.47E-07
2296	9.48E-08	2.69E-07	3.64E-07
2297	1.00E-07	2.82E-07	3.82E-07
2298	1.06E-07	2.96E-07	4.02E-07
2299	1.12E-07	3.12E-07	4.24E-07
2300	1.18E-07	3.28E-07	4.46E-07
2301	1.26E-07	3.47E-07	4.73E-07
2302	1.34E-07	3.67E-07	5.01E-07
2303	1.80E-07	5.23E-07	7.03E-07
2304	1.67E-07	4.78E-07	6.45E-07
2305	1.56E-07	4.44E-07	6.00E-07
2306	1.34E-07	3.77E-07	5.11E-07
2307	1.06E-07	3.04E-07	4.10E-07
2308	8.74E-08	2.53E-07	3.40E-07
2309	7.86E-08	2.27E-07	3.06E-07
2310	7.62E-08	2.20E-07	2.96E-07
2311	7.26E-08	2.10E-07	2.83E-07
2312	7.03E-08	2.03E-07	2.73E-07
2313	8.03E-08	2.31E-07	3.11E-07
2314	8.42E-08	2.41E-07	3.25E-07
2315	8.84E-08	2.51E-07	3.39E-07
2316	9.30E-08	2.63E-07	3.56E-07
2317	9.80E-08	2.76E-07	3.74E-07
2318	1.03E-07	2.89E-07	3.92E-07
2319	1.09E-07	3.04E-07	4.13E-07
2320	1.15E-07	3.20E-07	4.35E-07
2321	1.22E-07	3.37E-07	4.59E-07
2322	1.30E-07	3.56E-07	4.86E-07
2323	1.60E-07	4.74E-07	6.34E-07
2324	1.51E-07	4.38E-07	5.89E-07
2325	1.37E-07	3.94E-07	5.31E-07
2326	1.05E-07	3.03E-07	4.08E-07
2327	8.76E-08	2.56E-07	3.44E-07
2328	7.84E-08	2.29E-07	3.07E-07
2329	7.77E-08	2.27E-07	3.05E-07
2330	7.41E-08	2.17E-07	2.91E-07

2331	7.02E-08	2.05E-07	2.75E-07
2332	7.89E-08	2.26E-07	3.05E-07
2333	8.27E-08	2.36E-07	3.19E-07
2334	8.68E-08	2.46E-07	3.33E-07
2335	9.11E-08	2.57E-07	3.48E-07
2336	9.58E-08	2.69E-07	3.65E-07
2337	1.01E-07	2.82E-07	3.83E-07
2338	1.06E-07	2.96E-07	4.02E-07
2339	1.12E-07	3.11E-07	4.23E-07
2340	1.19E-07	3.27E-07	4.46E-07
2341	1.26E-07	3.45E-07	4.71E-07
2342	1.45E-07	4.37E-07	5.82E-07
2343	1.33E-07	3.94E-07	5.27E-07
2344	1.09E-07	3.16E-07	4.25E-07
2345	8.87E-08	2.61E-07	3.50E-07
2346	8.11E-08	2.39E-07	3.20E-07
2347	8.16E-08	2.40E-07	3.22E-07
2348	7.83E-08	2.31E-07	3.09E-07
2349	7.29E-08	2.15E-07	2.88E-07
2350	7.75E-08	2.22E-07	3.00E-07
2351	8.11E-08	2.31E-07	3.12E-07
2352	8.50E-08	2.41E-07	3.26E-07
2353	8.91E-08	2.51E-07	3.40E-07
2354	9.36E-08	2.63E-07	3.57E-07
2355	9.84E-08	2.75E-07	3.73E-07
2356	1.04E-07	2.88E-07	3.92E-07
2357	1.09E-07	3.02E-07	4.11E-07
2358	1.15E-07	3.17E-07	4.32E-07
2359	1.22E-07	3.34E-07	4.56E-07
2360	1.31E-07	4.07E-07	5.38E-07
2361	1.20E-07	3.59E-07	4.79E-07
2362	9.50E-08	2.81E-07	3.76E-07
2363	8.93E-08	2.64E-07	3.53E-07
2364	8.89E-08	2.62E-07	3.51E-07
2365	8.89E-08	2.62E-07	3.51E-07
2366	8.20E-08	2.42E-07	3.24E-07
2367	7.59E-08	2.17E-07	2.93E-07
2368	7.94E-08	2.26E-07	3.05E-07
2369	8.31E-08	2.35E-07	3.18E-07
2370	8.71E-08	2.45E-07	3.32E-07
2371	9.13E-08	2.56E-07	3.47E-07
2372	9.59E-08	2.67E-07	3.63E-07
2373	1.01E-07	2.80E-07	3.81E-07
2374	1.06E-07	2.93E-07	3.99E-07

2375	1.12E-07	3.08E-07	4.20E-07
2376	1.18E-07	3.23E-07	4.41E-07
2377	1.10E-07	3.43E-07	4.53E-07
2378	1.02E-07	3.10E-07	4.12E-07
2379	1.00E-07	3.07E-07	4.07E-07
2380	9.77E-08	3.00E-07	3.98E-07
2381	8.76E-08	2.64E-07	3.52E-07
2382	7.44E-08	2.12E-07	2.86E-07
2383	7.77E-08	2.21E-07	2.99E-07
2384	8.12E-08	2.29E-07	3.10E-07
2385	8.50E-08	2.39E-07	3.24E-07
2386	8.90E-08	2.49E-07	3.38E-07
2387	9.34E-08	2.60E-07	3.53E-07
2388	9.80E-08	2.72E-07	3.70E-07
2389	1.03E-07	2.84E-07	3.87E-07
2390	1.09E-07	2.98E-07	4.07E-07
2391	1.14E-07	3.13E-07	4.27E-07
2392	1.00E-07	3.28E-07	4.28E-07
2393	9.58E-08	3.13E-07	4.09E-07
2394	9.14E-08	2.98E-07	3.89E-07
2395	7.28E-08	2.07E-07	2.80E-07
2396	7.60E-08	2.15E-07	2.91E-07
2397	7.93E-08	2.24E-07	3.03E-07
2398	8.29E-08	2.33E-07	3.16E-07
2399	8.67E-08	2.42E-07	3.29E-07
2400	9.09E-08	2.53E-07	3.44E-07
2401	9.53E-08	2.64E-07	3.59E-07
2402	1.00E-07	2.76E-07	3.76E-07
2403	1.05E-07	2.88E-07	3.93E-07
2404	1.11E-07	3.02E-07	4.13E-07
2405	7.29E-08	2.09E-07	2.82E-07
2406	7.42E-08	2.10E-07	2.84E-07
2407	7.75E-08	2.18E-07	2.96E-07
2408	8.10E-08	2.27E-07	3.08E-07
2409	8.46E-08	2.36E-07	3.21E-07
2410	8.85E-08	2.46E-07	3.35E-07
2411	9.33E-08	2.59E-07	3.52E-07
2412	9.70E-08	2.67E-07	3.64E-07
2413	1.02E-07	2.79E-07	3.81E-07
2414	1.07E-07	2.92E-07	3.99E-07
2415	7.23E-08	2.05E-07	2.77E-07
2416	7.26E-08	2.05E-07	2.78E-07
2417	7.64E-08	2.17E-07	2.93E-07
2418	8.00E-08	2.25E-07	3.05E-07

2419	8.35E-08	2.33E-07	3.17E-07
2420	8.68E-08	2.41E-07	3.28E-07
2421	9.03E-08	2.50E-07	3.40E-07
2422	9.43E-08	2.60E-07	3.54E-07
2423	9.86E-08	2.71E-07	3.70E-07
2424	1.03E-07	2.82E-07	3.85E-07
2425	7.01E-08	1.98E-07	2.68E-07
2426	7.16E-08	2.03E-07	2.75E-07
2427	7.48E-08	2.11E-07	2.86E-07
2428	7.80E-08	2.18E-07	2.96E-07
2429	8.11E-08	2.25E-07	3.06E-07
2430	8.41E-08	2.33E-07	3.17E-07
2431	8.72E-08	2.41E-07	3.28E-07
2432	9.09E-08	2.51E-07	3.42E-07
2433	9.49E-08	2.61E-07	3.56E-07
2434	9.93E-08	2.72E-07	3.71E-07
2435	6.84E-08	1.93E-07	2.61E-07
2436	6.99E-08	1.97E-07	2.67E-07
2437	7.27E-08	2.04E-07	2.77E-07
2438	7.54E-08	2.11E-07	2.86E-07
2439	7.82E-08	2.18E-07	2.96E-07
2440	8.10E-08	2.25E-07	3.06E-07
2441	8.40E-08	2.32E-07	3.16E-07
2442	8.74E-08	2.41E-07	3.28E-07
2443	9.10E-08	2.50E-07	3.41E-07
2444	9.50E-08	2.60E-07	3.55E-07
2445	1.16E-07	3.26E-07	4.42E-07
2446	6.62E-08	1.86E-07	2.52E-07
2447	6.83E-08	1.92E-07	2.60E-07
2448	7.05E-08	1.98E-07	2.69E-07
2449	7.29E-08	2.04E-07	2.77E-07
2450	7.54E-08	2.10E-07	2.85E-07
2451	7.79E-08	2.16E-07	2.94E-07
2452	8.10E-08	2.24E-07	3.05E-07
2453	8.42E-08	2.32E-07	3.16E-07
2454	8.76E-08	2.41E-07	3.29E-07
2455	9.09E-08	2.49E-07	3.40E-07
2456	1.14E-07	3.18E-07	4.32E-07
2457	1.09E-07	3.05E-07	4.14E-07
2458	1.04E-07	2.95E-07	3.99E-07
2459	9.94E-08	2.84E-07	3.83E-07
2460	6.40E-08	1.80E-07	2.44E-07
2461	6.61E-08	1.86E-07	2.52E-07
2462	6.82E-08	1.91E-07	2.59E-07

2463	7.05E-08	1.97E-07	2.68E-07
2464	7.28E-08	2.03E-07	2.76E-07
2465	7.52E-08	2.09E-07	2.84E-07
2466	7.81E-08	2.16E-07	2.94E-07
2467	8.10E-08	2.24E-07	3.05E-07
2468	8.40E-08	2.31E-07	3.15E-07
2469	8.70E-08	2.39E-07	3.26E-07
2470	9.03E-08	2.47E-07	3.37E-07
2471	9.41E-08	2.57E-07	3.51E-07
2472	9.80E-08	2.67E-07	3.65E-07
2473	1.02E-07	2.78E-07	3.80E-07
2474	1.07E-07	2.89E-07	3.96E-07
2475	1.11E-07	3.00E-07	4.11E-07
2476	1.15E-07	3.11E-07	4.26E-07
2477	1.20E-07	3.23E-07	4.43E-07
2478	1.26E-07	3.38E-07	4.64E-07
2479	1.30E-07	3.49E-07	4.79E-07
2480	1.33E-07	3.56E-07	4.89E-07
2481	1.37E-07	3.66E-07	5.03E-07
2482	1.41E-07	3.77E-07	5.18E-07
2483	1.45E-07	3.89E-07	5.34E-07
2484	1.49E-07	4.00E-07	5.49E-07
2485	1.54E-07	4.13E-07	5.67E-07
2486	1.59E-07	4.25E-07	5.84E-07
2487	1.60E-07	4.30E-07	5.90E-07
2488	1.61E-07	4.33E-07	5.94E-07
2489	1.63E-07	4.38E-07	6.01E-07
2490	1.65E-07	4.43E-07	6.08E-07
2491	1.68E-07	4.49E-07	6.17E-07
2492	1.70E-07	4.54E-07	6.24E-07
2493	1.70E-07	4.55E-07	6.25E-07
2494	1.73E-07	4.63E-07	6.36E-07
2495	1.75E-07	4.69E-07	6.44E-07
2496	1.70E-07	4.58E-07	6.28E-07
2497	1.62E-07	4.41E-07	6.03E-07
2498	1.58E-07	4.26E-07	5.84E-07
2499	1.56E-07	4.25E-07	5.81E-07
2500	1.52E-07	4.10E-07	5.62E-07
2501	1.48E-07	4.01E-07	5.49E-07
2502	1.44E-07	3.91E-07	5.35E-07
2503	1.40E-07	3.81E-07	5.21E-07
2504	1.36E-07	3.71E-07	5.07E-07
2505	1.32E-07	3.60E-07	4.92E-07
2506	1.28E-07	3.50E-07	4.78E-07

2507	1.24E-07	3.42E-07	4.66E-07
2508	1.20E-07	3.33E-07	4.53E-07
2509	1.17E-07	3.22E-07	4.39E-07
2510	1.15E-07	3.17E-07	4.32E-07
2511	1.10E-07	3.06E-07	4.16E-07
2512	1.06E-07	2.95E-07	4.01E-07
2513	1.01E-07	2.85E-07	3.86E-07
2514	9.60E-08	2.73E-07	3.69E-07
2515	9.24E-08	2.65E-07	3.57E-07
2516	8.89E-08	2.56E-07	3.45E-07
2517	8.51E-08	2.48E-07	3.33E-07
2518	8.14E-08	2.39E-07	3.20E-07
2519	7.80E-08	2.32E-07	3.10E-07
2520	7.48E-08	2.24E-07	2.99E-07
2521	6.14E-08	1.73E-07	2.34E-07
2522	6.39E-08	1.80E-07	2.44E-07
2523	6.60E-08	1.85E-07	2.51E-07
2524	6.81E-08	1.91E-07	2.59E-07
2525	7.02E-08	1.96E-07	2.66E-07
2526	7.27E-08	2.02E-07	2.75E-07
2527	7.54E-08	2.09E-07	2.84E-07
2528	7.82E-08	2.16E-07	2.94E-07
2529	8.09E-08	2.23E-07	3.04E-07
2530	8.37E-08	2.30E-07	3.14E-07
2531	8.68E-08	2.38E-07	3.25E-07
2532	9.04E-08	2.47E-07	3.37E-07
2533	9.41E-08	2.57E-07	3.51E-07
2534	9.78E-08	2.66E-07	3.64E-07
2535	1.02E-07	2.76E-07	3.78E-07
2536	1.05E-07	2.86E-07	3.91E-07
2537	1.09E-07	2.96E-07	4.05E-07
2538	1.14E-07	3.07E-07	4.21E-07
2539	1.19E-07	3.20E-07	4.39E-07
2540	1.23E-07	3.30E-07	4.53E-07
2541	1.25E-07	3.36E-07	4.61E-07
2542	1.29E-07	3.47E-07	4.76E-07
2543	1.33E-07	3.57E-07	4.90E-07
2544	1.37E-07	3.68E-07	5.05E-07
2545	1.41E-07	3.79E-07	5.20E-07
2546	1.46E-07	3.92E-07	5.38E-07
2547	1.50E-07	4.02E-07	5.52E-07
2548	1.52E-07	4.07E-07	5.59E-07
2549	1.51E-07	4.06E-07	5.57E-07
2550	1.53E-07	4.10E-07	5.63E-07

2551	1.54E-07	4.14E-07	5.68E-07
2552	1.56E-07	4.17E-07	5.73E-07
2553	1.57E-07	4.20E-07	5.77E-07
2554	1.58E-07	4.24E-07	5.82E-07
2555	1.60E-07	4.29E-07	5.89E-07
2556	1.62E-07	4.35E-07	5.97E-07
2557	1.53E-07	4.14E-07	5.67E-07
2558	1.50E-07	4.08E-07	5.58E-07
2559	1.48E-07	4.05E-07	5.53E-07
2560	1.46E-07	4.01E-07	5.47E-07
2561	1.42E-07	3.88E-07	5.30E-07
2562	1.39E-07	3.76E-07	5.15E-07
2563	1.35E-07	3.68E-07	5.03E-07
2564	1.32E-07	3.59E-07	4.91E-07
2565	1.28E-07	3.50E-07	4.78E-07
2566	1.24E-07	3.41E-07	4.65E-07
2567	1.21E-07	3.31E-07	4.52E-07
2568	1.17E-07	3.22E-07	4.39E-07
2569	1.14E-07	3.17E-07	4.31E-07
2570	1.11E-07	3.08E-07	4.19E-07
2571	1.08E-07	3.01E-07	4.09E-07
2572	1.05E-07	2.94E-07	3.99E-07
2573	1.02E-07	2.85E-07	3.87E-07
2574	9.76E-08	2.74E-07	3.72E-07
2575	9.22E-08	2.62E-07	3.54E-07
2576	8.97E-08	2.55E-07	3.45E-07
2577	8.64E-08	2.47E-07	3.33E-07
2578	8.29E-08	2.39E-07	3.22E-07
2579	8.00E-08	2.32E-07	3.12E-07
2580	7.61E-08	2.23E-07	2.99E-07
2581	7.34E-08	2.17E-07	2.90E-07
2582	5.87E-08	1.66E-07	2.25E-07
2583	6.14E-08	1.73E-07	2.34E-07
2584	6.35E-08	1.79E-07	2.43E-07
2585	6.58E-08	1.84E-07	2.50E-07
2586	6.73E-08	1.88E-07	2.55E-07
2587	6.95E-08	1.94E-07	2.64E-07
2588	7.19E-08	2.00E-07	2.72E-07
2589	7.52E-08	2.08E-07	2.83E-07
2590	7.81E-08	2.16E-07	2.94E-07
2591	8.07E-08	2.22E-07	3.03E-07
2592	8.34E-08	2.29E-07	3.12E-07
2593	8.66E-08	2.37E-07	3.24E-07
2594	8.97E-08	2.46E-07	3.36E-07

2595	9.31E-08	2.54E-07	3.47E-07
2596	9.65E-08	2.63E-07	3.60E-07
2597	1.00E-07	2.72E-07	3.72E-07
2598	1.04E-07	2.81E-07	3.85E-07
2599	1.07E-07	2.91E-07	3.98E-07
2600	1.11E-07	3.00E-07	4.11E-07
2601	1.15E-07	3.10E-07	4.25E-07
2602	1.18E-07	3.20E-07	4.38E-07
2603	1.22E-07	3.29E-07	4.51E-07
2604	1.26E-07	3.39E-07	4.65E-07
2605	1.30E-07	3.48E-07	4.78E-07
2606	1.33E-07	3.58E-07	4.91E-07
2607	1.38E-07	3.70E-07	5.08E-07
2608	1.42E-07	3.80E-07	5.22E-07
2609	1.43E-07	3.85E-07	5.28E-07
2610	1.44E-07	3.85E-07	5.29E-07
2611	1.45E-07	3.88E-07	5.33E-07
2612	1.46E-07	3.91E-07	5.37E-07
2613	1.47E-07	3.94E-07	5.41E-07
2614	1.47E-07	3.95E-07	5.42E-07
2615	1.46E-07	3.93E-07	5.39E-07
2616	1.48E-07	3.99E-07	5.47E-07
2617	1.49E-07	4.03E-07	5.52E-07
2618	1.44E-07	3.87E-07	5.31E-07
2619	1.40E-07	3.83E-07	5.23E-07
2620	1.39E-07	3.80E-07	5.19E-07
2621	1.37E-07	3.75E-07	5.12E-07
2622	1.36E-07	3.71E-07	5.07E-07
2623	1.32E-07	3.64E-07	4.96E-07
2624	1.27E-07	3.47E-07	4.74E-07
2625	1.24E-07	3.39E-07	4.63E-07
2626	1.21E-07	3.32E-07	4.53E-07
2627	1.18E-07	3.23E-07	4.41E-07
2628	1.14E-07	3.15E-07	4.29E-07
2629	1.11E-07	3.06E-07	4.17E-07
2630	1.08E-07	2.98E-07	4.06E-07
2631	1.05E-07	2.92E-07	3.97E-07
2632	1.02E-07	2.86E-07	3.88E-07
2633	1.01E-07	2.82E-07	3.83E-07
2634	9.80E-08	2.74E-07	3.72E-07
2635	9.41E-08	2.64E-07	3.58E-07
2636	8.89E-08	2.52E-07	3.41E-07
2637	8.71E-08	2.47E-07	3.34E-07
2638	8.25E-08	2.37E-07	3.20E-07

2639	7.93E-08	2.29E-07	3.08E-07
2640	7.75E-08	2.24E-07	3.02E-07
2641	7.42E-08	2.16E-07	2.90E-07
2642	7.12E-08	2.09E-07	2.80E-07
2643	5.59E-08	1.59E-07	2.15E-07
2644	5.87E-08	1.66E-07	2.25E-07
2645	6.07E-08	1.71E-07	2.32E-07
2646	6.29E-08	1.77E-07	2.40E-07
2647	6.47E-08	1.81E-07	2.46E-07
2648	6.70E-08	1.87E-07	2.54E-07
2649	6.94E-08	1.93E-07	2.62E-07
2650	7.22E-08	2.01E-07	2.73E-07
2651	7.51E-08	2.08E-07	2.83E-07
2652	7.78E-08	2.15E-07	2.93E-07
2653	8.02E-08	2.21E-07	3.01E-07
2654	8.26E-08	2.27E-07	3.10E-07
2655	8.56E-08	2.35E-07	3.21E-07
2656	8.86E-08	2.43E-07	3.32E-07
2657	9.11E-08	2.49E-07	3.40E-07
2658	9.48E-08	2.59E-07	3.54E-07
2659	9.79E-08	2.67E-07	3.65E-07
2660	1.01E-07	2.76E-07	3.77E-07
2661	1.05E-07	2.85E-07	3.90E-07
2662	1.08E-07	2.93E-07	4.01E-07
2663	1.12E-07	3.03E-07	4.15E-07
2664	1.15E-07	3.12E-07	4.27E-07
2665	1.19E-07	3.21E-07	4.40E-07
2666	1.23E-07	3.30E-07	4.53E-07
2667	1.26E-07	3.40E-07	4.66E-07
2668	1.30E-07	3.49E-07	4.79E-07
2669	1.33E-07	3.58E-07	4.91E-07
2670	1.35E-07	3.64E-07	4.99E-07
2671	1.36E-07	3.65E-07	5.01E-07
2672	1.36E-07	3.66E-07	5.02E-07
2673	1.38E-07	3.70E-07	5.08E-07
2674	1.39E-07	3.73E-07	5.12E-07
2675	1.38E-07	3.72E-07	5.10E-07
2676	1.38E-07	3.71E-07	5.09E-07
2677	1.40E-07	3.77E-07	5.17E-07
2678	1.40E-07	3.78E-07	5.18E-07
2679	1.36E-07	3.69E-07	5.05E-07
2680	1.34E-07	3.61E-07	4.95E-07
2681	1.30E-07	3.57E-07	4.87E-07
2682	1.28E-07	3.53E-07	4.81E-07

2683	1.26E-07	3.48E-07	4.74E-07
2684	1.25E-07	3.43E-07	4.68E-07
2685	1.21E-07	3.35E-07	4.56E-07
2686	1.17E-07	3.21E-07	4.38E-07
2687	1.14E-07	3.14E-07	4.28E-07
2688	1.12E-07	3.12E-07	4.24E-07
2689	1.10E-07	3.05E-07	4.15E-07
2690	1.05E-07	2.92E-07	3.97E-07
2691	1.04E-07	2.89E-07	3.93E-07
2692	9.99E-08	2.80E-07	3.80E-07
2693	9.71E-08	2.73E-07	3.70E-07
2694	9.86E-08	2.74E-07	3.73E-07
2695	9.41E-08	2.63E-07	3.57E-07
2696	9.06E-08	2.55E-07	3.46E-07
2697	8.59E-08	2.43E-07	3.29E-07
2698	8.45E-08	2.39E-07	3.24E-07
2699	8.10E-08	2.31E-07	3.12E-07
2700	7.71E-08	2.22E-07	2.99E-07
2701	7.55E-08	2.17E-07	2.93E-07
2702	7.26E-08	2.10E-07	2.83E-07
2703	6.96E-08	2.03E-07	2.73E-07
2704	5.36E-08	1.53E-07	2.07E-07
2705	5.65E-08	1.60E-07	2.17E-07
2706	5.87E-08	1.66E-07	2.25E-07
2707	6.09E-08	1.71E-07	2.32E-07
2708	6.26E-08	1.76E-07	2.39E-07
2709	6.48E-08	1.81E-07	2.46E-07
2710	6.69E-08	1.87E-07	2.54E-07
2711	6.98E-08	1.94E-07	2.64E-07
2712	7.25E-08	2.01E-07	2.74E-07
2713	7.48E-08	2.07E-07	2.82E-07
2714	7.73E-08	2.13E-07	2.90E-07
2715	7.96E-08	2.19E-07	2.99E-07
2716	8.22E-08	2.26E-07	3.08E-07
2717	8.50E-08	2.33E-07	3.18E-07
2718	8.68E-08	2.39E-07	3.26E-07
2719	8.98E-08	2.47E-07	3.37E-07
2720	9.24E-08	2.53E-07	3.45E-07
2721	9.59E-08	2.62E-07	3.58E-07
2722	9.86E-08	2.69E-07	3.68E-07
2723	1.02E-07	2.77E-07	3.79E-07
2724	1.06E-07	2.87E-07	3.93E-07
2725	1.09E-07	2.95E-07	4.04E-07
2726	1.12E-07	3.03E-07	4.15E-07

2727	1.15E-07	3.11E-07	4.26E-07
2728	1.19E-07	3.21E-07	4.40E-07
2729	1.22E-07	3.30E-07	4.52E-07
2730	1.25E-07	3.38E-07	4.63E-07
2731	1.27E-07	3.42E-07	4.69E-07
2732	1.29E-07	3.46E-07	4.75E-07
2733	1.28E-07	3.46E-07	4.74E-07
2734	1.30E-07	3.50E-07	4.80E-07
2735	1.31E-07	3.52E-07	4.83E-07
2736	1.30E-07	3.50E-07	4.80E-07
2737	1.30E-07	3.50E-07	4.80E-07
2738	1.31E-07	3.54E-07	4.85E-07
2739	1.32E-07	3.57E-07	4.89E-07
2740	1.29E-07	3.49E-07	4.78E-07
2741	1.28E-07	3.47E-07	4.75E-07
2742	1.25E-07	3.39E-07	4.64E-07
2743	1.23E-07	3.34E-07	4.57E-07
2744	1.25E-07	3.40E-07	4.65E-07
2745	1.23E-07	3.35E-07	4.58E-07
2746	1.16E-07	3.19E-07	4.35E-07
2747	1.12E-07	3.12E-07	4.24E-07
2748	1.08E-07	2.99E-07	4.07E-07
2749	1.08E-07	2.99E-07	4.07E-07
2750	1.07E-07	2.96E-07	4.03E-07
2751	1.02E-07	2.84E-07	3.86E-07
2752	9.96E-08	2.77E-07	3.77E-07
2753	9.77E-08	2.73E-07	3.71E-07
2754	9.30E-08	2.62E-07	3.55E-07
2755	9.04E-08	2.55E-07	3.45E-07
2756	8.92E-08	2.51E-07	3.40E-07
2757	8.57E-08	2.41E-07	3.27E-07
2758	8.29E-08	2.34E-07	3.17E-07
2759	8.19E-08	2.32E-07	3.14E-07
2760	7.93E-08	2.25E-07	3.04E-07
2761	7.57E-08	2.16E-07	2.92E-07
2762	7.37E-08	2.11E-07	2.85E-07
2763	7.09E-08	2.04E-07	2.75E-07
2764	6.81E-08	1.97E-07	2.65E-07
2765	5.18E-08	1.48E-07	2.00E-07
2766	5.47E-08	1.55E-07	2.10E-07
2767	5.67E-08	1.60E-07	2.17E-07
2768	5.90E-08	1.66E-07	2.25E-07
2769	6.07E-08	1.71E-07	2.32E-07
2770	6.27E-08	1.76E-07	2.39E-07

2771	6.47E-08	1.81E-07	2.46E-07
2772	6.71E-08	1.87E-07	2.54E-07
2773	6.95E-08	1.93E-07	2.63E-07
2774	7.18E-08	1.99E-07	2.71E-07
2775	7.45E-08	2.06E-07	2.81E-07
2776	7.69E-08	2.12E-07	2.89E-07
2777	7.93E-08	2.19E-07	2.98E-07
2778	8.16E-08	2.25E-07	3.07E-07
2779	8.34E-08	2.30E-07	3.13E-07
2780	8.62E-08	2.37E-07	3.23E-07
2781	8.79E-08	2.42E-07	3.30E-07
2782	9.08E-08	2.49E-07	3.40E-07
2783	9.35E-08	2.56E-07	3.50E-07
2784	9.67E-08	2.64E-07	3.61E-07
2785	9.56E-08	2.62E-07	3.58E-07
2786	9.62E-08	2.64E-07	3.60E-07
2787	1.01E-07	2.75E-07	3.76E-07
2788	1.07E-07	2.92E-07	3.99E-07
2789	1.12E-07	3.04E-07	4.16E-07
2790	1.16E-07	3.12E-07	4.28E-07
2791	1.18E-07	3.19E-07	4.37E-07
2792	1.21E-07	3.26E-07	4.47E-07
2793	1.23E-07	3.31E-07	4.54E-07
2794	1.23E-07	3.31E-07	4.54E-07
2795	1.22E-07	3.30E-07	4.52E-07
2796	1.23E-07	3.32E-07	4.55E-07
2797	1.23E-07	3.32E-07	4.55E-07
2798	1.24E-07	3.35E-07	4.59E-07
2799	1.27E-07	3.41E-07	4.68E-07
2800	1.27E-07	3.42E-07	4.69E-07
2801	1.23E-07	3.33E-07	4.56E-07
2802	1.24E-07	3.37E-07	4.61E-07
2803	1.21E-07	3.30E-07	4.51E-07
2804	1.20E-07	3.27E-07	4.47E-07
2805	1.20E-07	3.27E-07	4.47E-07
2806	1.19E-07	3.23E-07	4.42E-07
2807	1.14E-07	3.13E-07	4.27E-07
2808	1.09E-07	3.01E-07	4.10E-07
2809	1.05E-07	2.91E-07	3.96E-07
2810	1.05E-07	2.91E-07	3.96E-07
2811	1.03E-07	2.86E-07	3.89E-07
2812	9.79E-08	2.72E-07	3.70E-07
2813	9.64E-08	2.69E-07	3.65E-07
2814	9.30E-08	2.60E-07	3.53E-07

2815	8.95E-08	2.51E-07	3.41E-07
2816	8.72E-08	2.45E-07	3.32E-07
2817	8.48E-08	2.39E-07	3.24E-07
2818	8.25E-08	2.33E-07	3.16E-07
2819	8.01E-08	2.27E-07	3.07E-07
2820	7.94E-08	2.25E-07	3.04E-07
2821	7.70E-08	2.18E-07	2.95E-07
2822	7.37E-08	2.10E-07	2.84E-07
2823	7.16E-08	2.05E-07	2.77E-07
2824	6.91E-08	1.98E-07	2.67E-07
2825	6.66E-08	1.92E-07	2.59E-07
2826	5.01E-08	1.44E-07	1.94E-07
2827	5.30E-08	1.51E-07	2.04E-07
2828	5.50E-08	1.56E-07	2.11E-07
2829	5.72E-08	1.61E-07	2.18E-07
2830	5.88E-08	1.66E-07	2.25E-07
2831	6.08E-08	1.71E-07	2.32E-07
2832	6.26E-08	1.76E-07	2.39E-07
2833	6.49E-08	1.81E-07	2.46E-07
2834	6.72E-08	1.87E-07	2.54E-07
2835	6.94E-08	1.93E-07	2.62E-07
2836	7.17E-08	1.99E-07	2.71E-07
2837	7.41E-08	2.05E-07	2.79E-07
2838	7.63E-08	2.11E-07	2.87E-07
2839	7.85E-08	2.17E-07	2.96E-07
2840	8.01E-08	2.21E-07	3.01E-07
2841	8.28E-08	2.28E-07	3.11E-07
2842	8.34E-08	2.30E-07	3.13E-07
2843	8.52E-08	2.35E-07	3.20E-07
2844	8.81E-08	2.42E-07	3.30E-07
2845	9.12E-08	2.50E-07	3.41E-07
2846	8.87E-08	2.45E-07	3.34E-07
2847	9.04E-08	2.49E-07	3.39E-07
2848	9.45E-08	2.59E-07	3.54E-07
2849	1.02E-07	2.77E-07	3.79E-07
2850	1.06E-07	2.87E-07	3.93E-07
2851	1.09E-07	2.96E-07	4.05E-07
2852	1.07E-07	2.92E-07	3.99E-07
2853	1.11E-07	3.02E-07	4.13E-07
2854	1.16E-07	3.13E-07	4.29E-07
2855	1.17E-07	3.17E-07	4.34E-07
2856	1.17E-07	3.16E-07	4.33E-07
2857	1.16E-07	3.14E-07	4.30E-07
2858	1.17E-07	3.16E-07	4.33E-07

2859	1.18E-07	3.18E-07	4.36E-07
2860	1.19E-07	3.22E-07	4.41E-07
2861	1.21E-07	3.26E-07	4.47E-07
2862	1.17E-07	3.19E-07	4.36E-07
2863	1.21E-07	3.27E-07	4.48E-07
2864	1.21E-07	3.26E-07	4.47E-07
2865	1.17E-07	3.18E-07	4.35E-07
2866	1.16E-07	3.15E-07	4.31E-07
2867	1.16E-07	3.15E-07	4.31E-07
2868	1.12E-07	3.06E-07	4.18E-07
2869	1.07E-07	2.95E-07	4.02E-07
2870	1.04E-07	2.87E-07	3.91E-07
2871	1.02E-07	2.82E-07	3.84E-07
2872	1.01E-07	2.77E-07	3.78E-07
2873	9.61E-08	2.67E-07	3.63E-07
2874	9.36E-08	2.61E-07	3.55E-07
2875	8.95E-08	2.51E-07	3.41E-07
2876	8.55E-08	2.41E-07	3.27E-07
2877	8.33E-08	2.35E-07	3.18E-07
2878	8.20E-08	2.32E-07	3.14E-07
2879	8.03E-08	2.28E-07	3.08E-07
2880	7.77E-08	2.21E-07	2.99E-07
2881	7.64E-08	2.17E-07	2.93E-07
2882	7.42E-08	2.11E-07	2.85E-07
2883	7.21E-08	2.05E-07	2.77E-07
2884	6.96E-08	1.99E-07	2.69E-07
2885	6.75E-08	1.93E-07	2.61E-07
2886	6.52E-08	1.87E-07	2.52E-07
2887	4.87E-08	1.40E-07	1.89E-07
2888	5.15E-08	1.47E-07	1.99E-07
2889	5.36E-08	1.52E-07	2.06E-07
2890	5.55E-08	1.57E-07	2.13E-07
2891	5.70E-08	1.61E-07	2.18E-07
2892	5.89E-08	1.66E-07	2.25E-07
2893	6.06E-08	1.70E-07	2.31E-07
2894	6.27E-08	1.76E-07	2.39E-07
2895	6.46E-08	1.80E-07	2.45E-07
2896	6.68E-08	1.86E-07	2.53E-07
2897	6.91E-08	1.92E-07	2.61E-07
2898	7.14E-08	1.98E-07	2.69E-07
2899	7.34E-08	2.03E-07	2.76E-07
2900	7.56E-08	2.09E-07	2.85E-07
2901	7.65E-08	2.12E-07	2.89E-07
2902	7.90E-08	2.18E-07	2.97E-07

2903	7.93E-08	2.20E-07	2.99E-07
2904	8.10E-08	2.24E-07	3.05E-07
2905	8.34E-08	2.30E-07	3.13E-07
2906	8.63E-08	2.38E-07	3.24E-07
2907	8.72E-08	2.40E-07	3.27E-07
2908	8.78E-08	2.42E-07	3.30E-07
2909	9.29E-08	2.54E-07	3.47E-07
2910	9.60E-08	2.62E-07	3.58E-07
2911	9.99E-08	2.72E-07	3.72E-07
2912	1.02E-07	2.79E-07	3.81E-07
2913	9.51E-08	2.63E-07	3.58E-07
2914	1.04E-07	2.85E-07	3.89E-07
2915	1.10E-07	2.97E-07	4.07E-07
2916	1.11E-07	3.00E-07	4.11E-07
2917	1.11E-07	2.99E-07	4.10E-07
2918	1.11E-07	2.99E-07	4.10E-07
2919	1.11E-07	3.01E-07	4.12E-07
2920	1.13E-07	3.05E-07	4.18E-07
2921	1.13E-07	3.06E-07	4.19E-07
2922	1.14E-07	3.09E-07	4.23E-07
2923	1.13E-07	3.07E-07	4.20E-07
2924	1.16E-07	3.13E-07	4.29E-07
2925	1.15E-07	3.12E-07	4.27E-07
2926	1.14E-07	3.09E-07	4.23E-07
2927	1.14E-07	3.10E-07	4.24E-07
2928	1.14E-07	3.08E-07	4.22E-07
2929	1.10E-07	2.99E-07	4.09E-07
2930	1.06E-07	2.91E-07	3.97E-07
2931	1.04E-07	2.84E-07	3.88E-07
2932	9.95E-08	2.74E-07	3.74E-07
2933	9.66E-08	2.67E-07	3.64E-07
2934	9.37E-08	2.59E-07	3.53E-07
2935	9.08E-08	2.52E-07	3.43E-07
2936	8.76E-08	2.44E-07	3.32E-07
2937	8.22E-08	2.32E-07	3.14E-07
2938	8.02E-08	2.26E-07	3.06E-07
2939	7.91E-08	2.24E-07	3.03E-07
2940	7.70E-08	2.19E-07	2.96E-07
2941	7.52E-08	2.14E-07	2.89E-07
2942	7.42E-08	2.10E-07	2.84E-07
2943	7.18E-08	2.04E-07	2.76E-07
2944	6.95E-08	1.98E-07	2.68E-07
2945	6.77E-08	1.93E-07	2.61E-07
2946	6.57E-08	1.88E-07	2.54E-07

2947	6.37E-08	1.83E-07	2.47E-07
2948	4.72E-08	1.36E-07	1.83E-07
2949	5.00E-08	1.43E-07	1.93E-07
2950	5.19E-08	1.47E-07	1.99E-07
2951	5.39E-08	1.53E-07	2.07E-07
2952	5.54E-08	1.56E-07	2.11E-07
2953	5.71E-08	1.61E-07	2.18E-07
2954	5.85E-08	1.65E-07	2.24E-07
2955	6.05E-08	1.70E-07	2.31E-07
2956	6.24E-08	1.75E-07	2.37E-07
2957	6.44E-08	1.80E-07	2.44E-07
2958	6.66E-08	1.86E-07	2.53E-07
2959	6.88E-08	1.91E-07	2.60E-07
2960	7.07E-08	1.96E-07	2.67E-07
2961	7.27E-08	2.02E-07	2.75E-07
2962	7.35E-08	2.04E-07	2.78E-07
2963	7.55E-08	2.09E-07	2.85E-07
2964	7.58E-08	2.10E-07	2.86E-07
2965	7.70E-08	2.14E-07	2.91E-07
2966	7.92E-08	2.20E-07	2.99E-07
2967	8.13E-08	2.25E-07	3.06E-07
2968	8.26E-08	2.28E-07	3.11E-07
2969	8.49E-08	2.34E-07	3.19E-07
2970	8.83E-08	2.42E-07	3.30E-07
2971	9.16E-08	2.51E-07	3.43E-07
2972	9.45E-08	2.59E-07	3.54E-07
2973	9.34E-08	2.57E-07	3.50E-07
2974	9.05E-08	2.51E-07	3.42E-07
2975	9.78E-08	2.68E-07	3.66E-07
2976	1.04E-07	2.83E-07	3.87E-07
2977	1.05E-07	2.85E-07	3.90E-07
2978	1.05E-07	2.86E-07	3.91E-07
2979	1.06E-07	2.87E-07	3.93E-07
2980	1.06E-07	2.87E-07	3.93E-07
2981	1.06E-07	2.88E-07	3.94E-07
2982	1.07E-07	2.90E-07	3.97E-07
2983	1.08E-07	2.93E-07	4.01E-07
2984	1.08E-07	2.94E-07	4.02E-07
2985	1.09E-07	2.97E-07	4.06E-07
2986	1.10E-07	2.99E-07	4.09E-07
2987	1.11E-07	3.00E-07	4.11E-07
2988	1.11E-07	3.01E-07	4.12E-07
2989	1.09E-07	2.97E-07	4.06E-07
2990	1.07E-07	2.90E-07	3.97E-07

2991	1.05E-07	2.86E-07	3.91E-07
2992	1.03E-07	2.81E-07	3.84E-07
2993	9.98E-08	2.73E-07	3.73E-07
2994	9.57E-08	2.63E-07	3.59E-07
2995	9.14E-08	2.53E-07	3.44E-07
2996	8.70E-08	2.42E-07	3.29E-07
2997	8.50E-08	2.37E-07	3.22E-07
2998	8.20E-08	2.30E-07	3.12E-07
2999	7.87E-08	2.23E-07	3.02E-07
3000	7.54E-08	2.13E-07	2.88E-07
3001	7.39E-08	2.10E-07	2.84E-07
3002	7.22E-08	2.06E-07	2.78E-07
3003	7.20E-08	2.04E-07	2.76E-07
3004	7.03E-08	2.00E-07	2.70E-07
3005	6.84E-08	1.94E-07	2.62E-07
3006	6.60E-08	1.88E-07	2.54E-07
3007	6.39E-08	1.83E-07	2.47E-07
3008	6.28E-08	1.79E-07	2.42E-07
3009	4.55E-08	1.31E-07	1.77E-07
3010	4.81E-08	1.38E-07	1.86E-07
3011	5.00E-08	1.42E-07	1.92E-07
3012	5.22E-08	1.48E-07	2.00E-07
3013	5.36E-08	1.52E-07	2.06E-07
3014	5.53E-08	1.56E-07	2.11E-07
3015	5.67E-08	1.60E-07	2.17E-07
3016	5.88E-08	1.65E-07	2.24E-07
3017	6.06E-08	1.70E-07	2.31E-07
3018	6.23E-08	1.74E-07	2.36E-07
3019	6.43E-08	1.80E-07	2.44E-07
3020	6.63E-08	1.85E-07	2.51E-07
3021	6.80E-08	1.89E-07	2.57E-07
3022	7.00E-08	1.95E-07	2.65E-07
3023	7.08E-08	1.97E-07	2.68E-07
3024	7.26E-08	2.02E-07	2.75E-07
3025	7.27E-08	2.02E-07	2.75E-07
3026	7.42E-08	2.06E-07	2.80E-07
3027	7.56E-08	2.10E-07	2.86E-07
3028	7.74E-08	2.15E-07	2.92E-07
3029	7.91E-08	2.19E-07	2.98E-07
3030	8.18E-08	2.26E-07	3.08E-07
3031	8.45E-08	2.33E-07	3.18E-07
3032	8.82E-08	2.42E-07	3.30E-07
3033	8.73E-08	2.41E-07	3.28E-07
3034	8.68E-08	2.40E-07	3.27E-07

3035	9.01E-08	2.48E-07	3.38E-07
3036	9.67E-08	2.64E-07	3.61E-07
3037	9.89E-08	2.69E-07	3.68E-07
3038	9.99E-08	2.72E-07	3.72E-07
3039	1.00E-07	2.73E-07	3.73E-07
3040	1.01E-07	2.74E-07	3.75E-07
3041	1.01E-07	2.74E-07	3.75E-07
3042	1.01E-07	2.74E-07	3.75E-07
3043	1.01E-07	2.76E-07	3.77E-07
3044	1.02E-07	2.78E-07	3.80E-07
3045	1.04E-07	2.82E-07	3.86E-07
3046	1.05E-07	2.85E-07	3.90E-07
3047	1.06E-07	2.87E-07	3.93E-07
3048	1.07E-07	2.89E-07	3.96E-07
3049	1.07E-07	2.89E-07	3.96E-07
3050	1.06E-07	2.86E-07	3.92E-07
3051	1.04E-07	2.83E-07	3.87E-07
3052	1.03E-07	2.80E-07	3.83E-07
3053	1.01E-07	2.75E-07	3.76E-07
3054	9.82E-08	2.68E-07	3.66E-07
3055	9.56E-08	2.61E-07	3.57E-07
3056	9.24E-08	2.53E-07	3.45E-07
3057	8.98E-08	2.47E-07	3.37E-07
3058	8.56E-08	2.37E-07	3.23E-07
3059	8.24E-08	2.29E-07	3.11E-07
3060	7.87E-08	2.20E-07	2.99E-07
3061	7.51E-08	2.12E-07	2.87E-07
3062	7.24E-08	2.05E-07	2.77E-07
3063	7.00E-08	2.00E-07	2.70E-07
3064	6.96E-08	1.98E-07	2.68E-07
3065	6.82E-08	1.93E-07	2.61E-07
3066	6.65E-08	1.89E-07	2.56E-07
3067	6.45E-08	1.84E-07	2.49E-07
3068	6.26E-08	1.79E-07	2.42E-07
3069	6.05E-08	1.73E-07	2.34E-07
3070	3.13E-08	2.07E-07	2.38E-07
3071	3.26E-08	2.28E-07	2.61E-07
3072	3.40E-08	2.45E-07	2.79E-07
3073	3.55E-08	2.61E-07	2.97E-07
3074	3.70E-08	2.74E-07	3.11E-07
3075	3.85E-08	2.85E-07	3.24E-07
3076	4.01E-08	2.94E-07	3.34E-07
3077	4.17E-08	3.02E-07	3.44E-07
3078	4.34E-08	3.10E-07	3.53E-07

3079	4.50E-08	3.18E-07	3.63E-07
3080	4.59E-08	3.21E-07	3.67E-07
3081	4.59E-08	3.26E-07	3.72E-07
3082	4.44E-08	3.24E-07	3.68E-07
3083	4.34E-08	3.23E-07	3.66E-07
3084	4.18E-08	3.20E-07	3.62E-07
3085	4.36E-08	3.17E-07	3.61E-07
3086	4.10E-08	3.04E-07	3.45E-07
3087	3.98E-08	2.88E-07	3.28E-07
3088	3.77E-08	2.19E-07	2.57E-07
3089	3.48E-08	1.82E-07	2.17E-07
3090	3.20E-08	1.49E-07	1.81E-07
3091	2.97E-08	1.30E-07	1.60E-07
3092	2.92E-08	1.22E-07	1.51E-07
3093	2.74E-08	1.11E-07	1.38E-07
3094	2.67E-08	1.05E-07	1.32E-07
3095	2.86E-08	1.08E-07	1.37E-07
3096	3.05E-08	1.13E-07	1.44E-07
3097	2.66E-08	9.71E-08	1.24E-07
3098	2.53E-08	9.07E-08	1.16E-07
3099	2.54E-08	8.94E-08	1.15E-07
3100	2.49E-08	8.64E-08	1.11E-07
3101	2.42E-08	8.23E-08	1.07E-07
3102	2.45E-08	8.20E-08	1.07E-07
3103	2.38E-08	7.85E-08	1.02E-07
3104	2.37E-08	7.66E-08	1.00E-07
3105	2.38E-08	7.61E-08	9.99E-08
3106	2.40E-08	7.62E-08	1.00E-07
3107	2.47E-08	7.78E-08	1.03E-07
3108	2.57E-08	8.04E-08	1.06E-07
3109	3.26E-08	2.75E-07	3.08E-07
3110	3.40E-08	3.08E-07	3.42E-07
3111	3.55E-08	3.35E-07	3.71E-07
3112	3.71E-08	3.56E-07	3.93E-07
3113	3.88E-08	3.72E-07	4.11E-07
3114	4.05E-08	3.84E-07	4.25E-07
3115	4.23E-08	3.94E-07	4.36E-07
3116	4.41E-08	4.03E-07	4.47E-07
3117	4.60E-08	4.11E-07	4.57E-07
3118	4.79E-08	4.19E-07	4.67E-07
3119	4.97E-08	4.32E-07	4.82E-07
3120	5.10E-08	4.38E-07	4.89E-07
3121	4.95E-08	4.42E-07	4.92E-07
3122	4.75E-08	4.41E-07	4.89E-07

3123	4.72E-08	4.38E-07	4.85E-07
3124	4.65E-08	4.30E-07	4.77E-07
3125	4.46E-08	4.13E-07	4.58E-07
3126	4.24E-08	3.81E-07	4.23E-07
3127	3.87E-08	2.37E-07	2.76E-07
3128	3.55E-08	1.83E-07	2.19E-07
3129	2.83E-08	1.32E-07	1.60E-07
3130	2.67E-08	1.19E-07	1.46E-07
3131	2.66E-08	1.13E-07	1.40E-07
3132	2.64E-08	1.07E-07	1.33E-07
3133	2.59E-08	1.02E-07	1.28E-07
3134	2.68E-08	1.02E-07	1.29E-07
3135	2.97E-08	1.09E-07	1.39E-07
3136	2.86E-08	1.03E-07	1.32E-07
3137	2.62E-08	9.28E-08	1.19E-07
3138	2.66E-08	9.24E-08	1.19E-07
3139	2.61E-08	8.89E-08	1.15E-07
3140	2.54E-08	8.49E-08	1.10E-07
3141	2.59E-08	8.52E-08	1.11E-07
3142	2.59E-08	8.37E-08	1.10E-07
3143	2.59E-08	8.24E-08	1.08E-07
3144	2.62E-08	8.28E-08	1.09E-07
3145	2.65E-08	8.32E-08	1.10E-07
3146	2.73E-08	8.49E-08	1.12E-07
3147	2.78E-08	8.57E-08	1.14E-07
3148	3.39E-08	4.71E-07	5.05E-07
3149	3.55E-08	5.34E-07	5.70E-07
3150	3.71E-08	5.81E-07	6.18E-07
3151	3.89E-08	6.21E-07	6.60E-07
3152	4.07E-08	6.44E-07	6.85E-07
3153	4.26E-08	6.53E-07	6.96E-07
3154	4.46E-08	6.64E-07	7.09E-07
3155	4.67E-08	6.74E-07	7.21E-07
3156	4.88E-08	6.79E-07	7.28E-07
3157	5.10E-08	6.92E-07	7.43E-07
3158	5.32E-08	7.34E-07	7.87E-07
3159	4.98E-08	7.89E-07	8.39E-07
3160	4.75E-08	8.48E-07	8.96E-07
3161	4.68E-08	8.60E-07	9.07E-07
3162	4.14E-08	2.64E-07	3.05E-07
3163	3.89E-08	2.07E-07	2.46E-07
3164	3.51E-08	1.64E-07	1.99E-07
3165	3.06E-08	1.35E-07	1.66E-07
3166	2.87E-08	1.21E-07	1.50E-07

3167	2.79E-08	1.13E-07	1.41E-07
3168	2.78E-08	1.08E-07	1.36E-07
3169	2.83E-08	1.06E-07	1.34E-07
3170	2.90E-08	1.06E-07	1.35E-07
3171	2.87E-08	1.02E-07	1.31E-07
3172	2.83E-08	9.89E-08	1.27E-07
3173	2.84E-08	9.73E-08	1.26E-07
3174	2.80E-08	9.37E-08	1.22E-07
3175	2.78E-08	9.11E-08	1.19E-07
3176	2.80E-08	9.04E-08	1.18E-07
3177	2.81E-08	8.94E-08	1.18E-07
3178	2.81E-08	8.81E-08	1.16E-07
3179	2.87E-08	8.97E-08	1.18E-07
3180	2.96E-08	9.18E-08	1.21E-07
3181	3.00E-08	9.21E-08	1.22E-07
3182	2.94E-08	8.94E-08	1.19E-07
3183	4.84E-08	1.29E-06	1.34E-06
3184	4.54E-08	1.22E-06	1.27E-06
3185	4.91E-08	1.09E-06	1.14E-06
3186	5.69E-08	9.40E-07	9.97E-07
3187	5.08E-08	8.62E-07	9.13E-07
3188	4.22E-08	8.67E-07	9.09E-07
3189	3.88E-08	7.56E-07	7.95E-07
3190	4.33E-08	8.08E-07	8.51E-07
3191	4.76E-08	8.02E-07	8.50E-07
3192	4.75E-08	4.46E-07	4.94E-07
3193	4.55E-08	3.15E-07	3.61E-07
3194	4.01E-08	2.16E-07	2.56E-07
3195	3.92E-08	1.88E-07	2.27E-07
3196	3.78E-08	1.66E-07	2.04E-07
3197	3.41E-08	1.42E-07	1.76E-07
3198	3.15E-08	1.26E-07	1.58E-07
3199	3.05E-08	1.17E-07	1.48E-07
3200	3.06E-08	1.14E-07	1.45E-07
3201	3.07E-08	1.11E-07	1.42E-07
3202	3.06E-08	1.08E-07	1.39E-07
3203	3.06E-08	1.06E-07	1.37E-07
3204	3.05E-08	1.03E-07	1.34E-07
3205	3.05E-08	1.01E-07	1.32E-07
3206	3.05E-08	9.87E-08	1.29E-07
3207	3.07E-08	9.75E-08	1.28E-07
3208	3.06E-08	9.60E-08	1.27E-07
3209	3.10E-08	9.64E-08	1.27E-07
3210	3.18E-08	9.83E-08	1.30E-07

3211	3.26E-08	1.00E-07	1.33E-07
3212	3.29E-08	9.99E-08	1.33E-07
3213	3.22E-08	9.71E-08	1.29E-07
3214	3.67E-08	3.94E-07	4.31E-07
3215	3.85E-08	4.34E-07	4.73E-07
3216	4.05E-08	4.59E-07	5.00E-07
3217	4.26E-08	4.73E-07	5.16E-07
3218	4.49E-08	4.84E-07	5.29E-07
3219	4.73E-08	4.86E-07	5.33E-07
3220	4.98E-08	4.90E-07	5.40E-07
3221	5.25E-08	4.96E-07	5.49E-07
3222	5.52E-08	4.96E-07	5.51E-07
3223	5.81E-08	4.90E-07	5.48E-07
3224	6.11E-08	4.88E-07	5.49E-07
3225	5.48E-08	4.74E-07	5.29E-07
3226	4.22E-08	4.43E-07	4.85E-07
3227	3.12E-08	2.75E-07	3.06E-07
3228	3.91E-08	3.79E-07	4.18E-07
3229	5.48E-08	4.87E-07	5.42E-07
3230	5.70E-08	5.37E-07	5.94E-07
3231	5.64E-08	6.79E-07	7.35E-07
3232	5.18E-08	6.11E-07	6.63E-07
3233	4.91E-08	3.68E-07	4.17E-07
3234	4.25E-08	2.32E-07	2.75E-07
3235	3.68E-08	1.78E-07	2.15E-07
3236	3.63E-08	1.61E-07	1.97E-07
3237	3.56E-08	1.49E-07	1.85E-07
3238	3.39E-08	1.35E-07	1.69E-07
3239	3.35E-08	1.28E-07	1.62E-07
3240	3.32E-08	1.22E-07	1.55E-07
3241	3.32E-08	1.18E-07	1.51E-07
3242	3.32E-08	1.16E-07	1.49E-07
3243	3.34E-08	1.13E-07	1.46E-07
3244	3.33E-08	1.10E-07	1.43E-07
3245	3.35E-08	1.09E-07	1.43E-07
3246	3.38E-08	1.07E-07	1.41E-07
3247	3.38E-08	1.06E-07	1.40E-07
3248	3.41E-08	1.06E-07	1.40E-07
3249	3.47E-08	1.07E-07	1.42E-07
3250	3.57E-08	1.09E-07	1.45E-07
3251	3.57E-08	1.08E-07	1.44E-07
3252	3.58E-08	1.08E-07	1.44E-07
3253	3.48E-08	1.04E-07	1.39E-07
3254	3.81E-08	2.65E-07	3.03E-07

3255	4.01E-08	2.91E-07	3.31E-07
3256	4.23E-08	3.11E-07	3.53E-07
3257	4.47E-08	3.27E-07	3.72E-07
3258	4.72E-08	3.39E-07	3.86E-07
3259	3.93E-08	1.19E-07	1.58E-07
3260	3.95E-08	1.19E-07	1.59E-07
3261	3.97E-08	1.19E-07	1.59E-07
3262	3.91E-08	1.16E-07	1.55E-07
3263	3.77E-08	1.12E-07	1.50E-07
3264	3.95E-08	2.17E-07	2.57E-07
3265	4.18E-08	2.36E-07	2.78E-07
3266	4.42E-08	2.53E-07	2.97E-07
3267	4.68E-08	2.67E-07	3.14E-07
3268	4.95E-08	2.80E-07	3.30E-07
3269	4.36E-08	1.31E-07	1.75E-07
3270	4.40E-08	1.31E-07	1.75E-07
3271	4.38E-08	1.30E-07	1.74E-07
3272	4.26E-08	1.26E-07	1.69E-07
3273	4.04E-08	1.18E-07	1.58E-07
3274	4.10E-08	1.95E-07	2.36E-07
3275	4.34E-08	2.09E-07	2.52E-07
3276	4.60E-08	2.24E-07	2.70E-07
3277	4.89E-08	2.37E-07	2.86E-07
3278	5.19E-08	2.49E-07	3.01E-07
3279	4.84E-08	1.43E-07	1.91E-07
3280	4.79E-08	1.41E-07	1.89E-07
3281	4.75E-08	1.39E-07	1.87E-07
3282	4.65E-08	1.36E-07	1.83E-07
3283	4.36E-08	1.27E-07	1.71E-07
3284	4.25E-08	1.82E-07	2.25E-07
3285	4.51E-08	1.95E-07	2.40E-07
3286	4.80E-08	2.08E-07	2.56E-07
3287	5.11E-08	2.21E-07	2.72E-07
3288	5.45E-08	2.33E-07	2.88E-07
3289	5.38E-08	1.57E-07	2.11E-07
3290	5.17E-08	1.50E-07	2.02E-07
3291	5.11E-08	1.48E-07	1.99E-07
3292	5.02E-08	1.46E-07	1.96E-07
3293	4.72E-08	1.37E-07	1.84E-07
3294	4.39E-08	1.75E-07	2.19E-07
3295	4.67E-08	1.87E-07	2.34E-07
3296	4.99E-08	1.99E-07	2.49E-07
3297	5.33E-08	2.12E-07	2.65E-07
3298	5.70E-08	2.25E-07	2.82E-07

3299	5.99E-08	1.72E-07	2.32E-07
3300	5.59E-08	1.60E-07	2.16E-07
3301	5.40E-08	1.54E-07	2.08E-07
3302	5.34E-08	1.54E-07	2.07E-07
3303	5.08E-08	1.46E-07	1.97E-07
3304	4.53E-08	1.70E-07	2.15E-07
3305	4.84E-08	1.82E-07	2.30E-07
3306	5.18E-08	1.94E-07	2.46E-07
3307	5.55E-08	2.07E-07	2.63E-07
3308	5.96E-08	2.20E-07	2.80E-07
3309	6.53E-08	1.85E-07	2.50E-07
3310	6.02E-08	1.70E-07	2.30E-07
3311	5.77E-08	1.63E-07	2.21E-07
3312	5.52E-08	1.57E-07	2.12E-07
3313	5.25E-08	1.50E-07	2.03E-07
3314	4.67E-08	1.68E-07	2.15E-07
3315	5.00E-08	1.79E-07	2.29E-07
3316	5.37E-08	1.91E-07	2.45E-07
3317	5.77E-08	2.04E-07	2.62E-07
3318	6.23E-08	2.20E-07	2.82E-07
3319	6.97E-08	1.95E-07	2.65E-07
3320	6.30E-08	1.75E-07	2.38E-07
3321	5.93E-08	1.66E-07	2.25E-07
3322	5.64E-08	1.60E-07	2.16E-07
3323	5.32E-08	1.53E-07	2.06E-07
3324	4.81E-08	1.67E-07	2.15E-07
3325	5.16E-08	1.78E-07	2.30E-07
3326	5.55E-08	1.90E-07	2.46E-07
3327	5.99E-08	2.04E-07	2.64E-07
3328	6.48E-08	2.19E-07	2.84E-07
3329	7.14E-08	1.97E-07	2.68E-07
3330	6.31E-08	1.75E-07	2.38E-07
3331	5.90E-08	1.66E-07	2.25E-07
3332	5.63E-08	1.60E-07	2.16E-07
3333	5.46E-08	1.57E-07	2.12E-07
3334	4.94E-08	1.66E-07	2.15E-07
3335	5.31E-08	1.78E-07	2.31E-07
3336	5.72E-08	1.90E-07	2.47E-07
3337	6.19E-08	2.04E-07	2.66E-07
3338	6.72E-08	2.20E-07	2.87E-07
3339	7.25E-08	2.01E-07	2.74E-07
3340	6.54E-08	1.82E-07	2.47E-07
3341	6.03E-08	1.68E-07	2.28E-07
3342	5.78E-08	1.62E-07	2.20E-07

3343	5.64E-08	1.60E-07	2.16E-07
3344	5.05E-08	1.66E-07	2.17E-07
3345	5.45E-08	1.78E-07	2.33E-07
3346	5.88E-08	1.90E-07	2.49E-07
3347	6.39E-08	2.05E-07	2.69E-07
3348	6.95E-08	2.21E-07	2.91E-07
3349	7.44E-08	2.04E-07	2.78E-07
3350	6.86E-08	1.88E-07	2.57E-07
3351	6.28E-08	1.73E-07	2.36E-07
3352	5.79E-08	1.61E-07	2.19E-07
3353	5.58E-08	1.58E-07	2.14E-07
3354	5.16E-08	1.66E-07	2.18E-07
3355	5.57E-08	1.78E-07	2.34E-07
3356	6.04E-08	1.92E-07	2.52E-07
3357	6.56E-08	2.07E-07	2.73E-07
3358	7.17E-08	2.23E-07	2.95E-07
3359	7.47E-08	2.03E-07	2.78E-07
3360	6.78E-08	1.87E-07	2.55E-07
3361	6.13E-08	1.71E-07	2.32E-07
3362	5.59E-08	1.59E-07	2.15E-07
3363	5.26E-08	1.52E-07	2.05E-07
3364	5.25E-08	1.67E-07	2.20E-07
3365	5.68E-08	1.79E-07	2.36E-07
3366	6.17E-08	1.93E-07	2.55E-07
3367	6.72E-08	2.08E-07	2.75E-07
3368	7.35E-08	2.25E-07	2.99E-07
3369	6.99E-08	1.96E-07	2.66E-07
3370	6.35E-08	1.81E-07	2.45E-07
3371	5.98E-08	1.73E-07	2.33E-07
3372	5.56E-08	1.63E-07	2.19E-07
3373	4.97E-08	1.46E-07	1.96E-07
3374	5.32E-08	1.67E-07	2.20E-07
3375	5.77E-08	1.79E-07	2.37E-07
3376	6.27E-08	1.94E-07	2.57E-07
3377	6.83E-08	2.08E-07	2.76E-07
3378	7.50E-08	2.27E-07	3.02E-07
3379	7.08E-08	2.03E-07	2.74E-07
3380	6.59E-08	1.91E-07	2.57E-07
3381	6.16E-08	1.79E-07	2.41E-07
3382	5.35E-08	1.56E-07	2.10E-07
3383	4.72E-08	1.38E-07	1.85E-07
3384	5.38E-08	1.67E-07	2.21E-07
3385	5.82E-08	1.79E-07	2.37E-07
3386	6.34E-08	1.93E-07	2.56E-07

3387	6.92E-08	2.09E-07	2.78E-07
3388	7.60E-08	2.27E-07	3.03E-07
3389	7.65E-08	2.19E-07	2.96E-07
3390	7.10E-08	2.04E-07	2.75E-07
3391	5.79E-08	1.68E-07	2.26E-07
3392	5.16E-08	1.51E-07	2.03E-07
3393	4.57E-08	1.34E-07	1.80E-07
3394	5.43E-08	1.67E-07	2.21E-07
3395	5.89E-08	1.80E-07	2.39E-07
3396	6.40E-08	1.94E-07	2.58E-07
3397	7.00E-08	2.10E-07	2.80E-07
3398	7.71E-08	2.29E-07	3.06E-07
3399	7.91E-08	2.28E-07	3.07E-07
3400	7.09E-08	2.06E-07	2.77E-07
3401	5.51E-08	1.61E-07	2.16E-07
3402	4.79E-08	1.41E-07	1.89E-07
3403	4.36E-08	1.29E-07	1.73E-07
3404	5.46E-08	1.67E-07	2.22E-07
3405	5.93E-08	1.80E-07	2.39E-07
3406	6.46E-08	1.95E-07	2.60E-07
3407	7.08E-08	2.12E-07	2.83E-07
3408	7.78E-08	2.30E-07	3.08E-07
3409	7.82E-08	2.24E-07	3.02E-07
3410	8.18E-08	2.33E-07	3.15E-07
3411	6.45E-08	1.87E-07	2.52E-07
3412	5.27E-08	1.54E-07	2.07E-07
3413	4.45E-08	1.30E-07	1.75E-07
3414	5.47E-08	1.67E-07	2.22E-07
3415	5.93E-08	1.79E-07	2.38E-07
3416	6.46E-08	1.94E-07	2.59E-07
3417	7.08E-08	2.11E-07	2.82E-07
3418	7.79E-08	2.30E-07	3.08E-07
3419	7.69E-08	2.19E-07	2.96E-07
3420	8.62E-08	2.42E-07	3.28E-07
3421	7.54E-08	2.14E-07	2.89E-07
3422	5.69E-08	1.65E-07	2.22E-07
3423	4.71E-08	1.36E-07	1.83E-07
3424	5.46E-08	1.66E-07	2.21E-07
3425	5.92E-08	1.79E-07	2.38E-07
3426	6.45E-08	1.93E-07	2.58E-07
3427	7.06E-08	2.09E-07	2.80E-07
3428	7.74E-08	2.27E-07	3.04E-07
3429	7.85E-08	2.22E-07	3.01E-07
3430	8.70E-08	2.44E-07	3.31E-07

3431	8.52E-08	2.39E-07	3.24E-07
3432	7.00E-08	2.00E-07	2.70E-07
3433	5.41E-08	1.57E-07	2.11E-07
3434	5.42E-08	1.64E-07	2.18E-07
3435	5.88E-08	1.77E-07	2.36E-07
3436	6.39E-08	1.90E-07	2.54E-07
3437	6.99E-08	2.07E-07	2.77E-07
3438	7.67E-08	2.24E-07	3.01E-07
3439	7.94E-08	2.24E-07	3.03E-07
3440	9.43E-08	2.63E-07	3.57E-07
3441	8.63E-08	2.42E-07	3.28E-07
3442	7.69E-08	2.17E-07	2.94E-07
3443	6.59E-08	1.88E-07	2.54E-07
3444	5.36E-08	1.62E-07	2.16E-07
3445	5.81E-08	1.74E-07	2.32E-07
3446	6.30E-08	1.87E-07	2.50E-07
3447	6.87E-08	2.02E-07	2.71E-07
3448	7.52E-08	2.19E-07	2.94E-07
3449	8.45E-08	2.40E-07	3.25E-07
3450	9.19E-08	2.59E-07	3.51E-07
3451	8.43E-08	2.39E-07	3.23E-07
3452	7.76E-08	2.21E-07	2.99E-07
3453	7.13E-08	2.04E-07	2.75E-07
3454	5.28E-08	1.59E-07	2.12E-07
3455	5.70E-08	1.70E-07	2.27E-07
3456	6.17E-08	1.82E-07	2.44E-07
3457	6.71E-08	1.97E-07	2.64E-07
3458	7.32E-08	2.13E-07	2.86E-07
3459	8.69E-08	2.51E-07	3.38E-07
3460	8.69E-08	2.52E-07	3.39E-07
3461	8.02E-08	2.34E-07	3.14E-07
3462	7.43E-08	2.17E-07	2.91E-07
3463	6.90E-08	2.02E-07	2.71E-07
3464	5.57E-08	1.64E-07	2.20E-07
3465	5.62E-08	1.69E-07	2.25E-07
3466	7.11E-08	2.03E-07	2.74E-07
3467	7.54E-08	2.14E-07	2.89E-07
3468	7.09E-08	2.05E-07	2.76E-07
3469	8.60E-08	2.56E-07	3.42E-07
3470	8.18E-08	2.47E-07	3.29E-07
3471	7.56E-08	2.29E-07	3.05E-07
3472	7.03E-08	2.13E-07	2.83E-07
3473	6.54E-08	1.98E-07	2.63E-07
3474	5.96E-08	1.72E-07	2.32E-07

3475	6.27E-08	1.80E-07	2.43E-07
3476	6.93E-08	1.96E-07	2.65E-07
3477	7.27E-08	2.06E-07	2.79E-07
3478	7.11E-08	2.07E-07	2.78E-07
3479	8.38E-08	2.74E-07	3.58E-07
3480	7.73E-08	2.53E-07	3.30E-07
3481	7.15E-08	2.33E-07	3.05E-07
3482	6.64E-08	2.16E-07	2.82E-07
3483	6.20E-08	1.99E-07	2.61E-07
3484	5.85E-08	1.67E-07	2.26E-07
3485	6.16E-08	1.75E-07	2.37E-07
3486	6.50E-08	1.84E-07	2.49E-07
3487	6.86E-08	1.94E-07	2.63E-07
3488	7.12E-08	2.02E-07	2.73E-07
3489	6.29E-08	2.54E-07	3.17E-07
3490	5.88E-08	2.23E-07	2.82E-07
3491	5.37E-08	1.54E-07	2.08E-07
3492	5.68E-08	1.62E-07	2.19E-07
3493	5.97E-08	1.70E-07	2.30E-07
3494	6.29E-08	1.79E-07	2.42E-07
3495	6.67E-08	1.89E-07	2.56E-07
3496	6.04E-08	2.49E-07	3.09E-07
3497	4.86E-08	1.41E-07	1.90E-07
3498	5.13E-08	1.48E-07	1.99E-07
3499	5.51E-08	1.58E-07	2.13E-07
3500	5.88E-08	1.67E-07	2.26E-07
3501	6.23E-08	1.76E-07	2.38E-07
3502	5.81E-08	1.92E-07	2.50E-07
3503	5.45E-08	1.84E-07	2.39E-07
3504	4.45E-08	1.30E-07	1.75E-07
3505	4.72E-08	1.37E-07	1.84E-07
3506	5.10E-08	1.46E-07	1.97E-07
3507	5.41E-08	1.54E-07	2.08E-07
3508	5.69E-08	1.62E-07	2.19E-07
3509	6.78E-08	2.04E-07	2.72E-07
3510	6.37E-08	1.93E-07	2.57E-07
3511	5.95E-08	1.83E-07	2.43E-07
3512	5.57E-08	1.73E-07	2.29E-07
3513	5.23E-08	1.64E-07	2.16E-07
3514	4.07E-08	1.20E-07	1.61E-07
3515	4.38E-08	1.28E-07	1.72E-07
3516	4.69E-08	1.35E-07	1.82E-07
3517	4.96E-08	1.43E-07	1.93E-07
3518	5.21E-08	1.49E-07	2.01E-07

3519	6.46E-08	1.90E-07	2.55E-07
3520	6.01E-08	1.79E-07	2.39E-07
3521	5.68E-08	1.70E-07	2.27E-07
3522	5.33E-08	1.61E-07	2.14E-07
3523	5.02E-08	1.52E-07	2.02E-07
3524	3.72E-08	1.10E-07	1.47E-07
3525	4.05E-08	1.19E-07	1.60E-07
3526	4.36E-08	1.27E-07	1.71E-07
3527	4.62E-08	1.33E-07	1.79E-07
3528	4.88E-08	1.40E-07	1.89E-07
3529	6.20E-08	1.81E-07	2.43E-07
3530	5.79E-08	1.70E-07	2.28E-07
3531	5.41E-08	1.60E-07	2.14E-07
3532	5.05E-08	1.51E-07	2.02E-07
3533	4.77E-08	1.43E-07	1.91E-07
3534	3.40E-08	1.01E-07	1.35E-07
3535	3.74E-08	1.10E-07	1.47E-07
3536	4.06E-08	1.19E-07	1.60E-07
3537	4.28E-08	1.25E-07	1.68E-07
3538	4.55E-08	1.32E-07	1.78E-07
3539	6.03E-08	1.74E-07	2.34E-07
3540	5.55E-08	1.62E-07	2.18E-07
3541	5.20E-08	1.52E-07	2.04E-07
3542	4.88E-08	1.44E-07	1.93E-07
3543	4.60E-08	1.36E-07	1.82E-07
3544	3.19E-08	9.55E-08	1.27E-07
3545	3.52E-08	1.04E-07	1.39E-07
3546	3.80E-08	1.11E-07	1.49E-07
3547	3.99E-08	1.17E-07	1.57E-07
3548	4.24E-08	1.23E-07	1.65E-07
3549	5.73E-08	1.65E-07	2.22E-07
3550	5.34E-08	1.55E-07	2.08E-07
3551	5.00E-08	1.46E-07	1.96E-07
3552	4.72E-08	1.38E-07	1.85E-07
3553	4.43E-08	1.30E-07	1.74E-07
3554	3.07E-08	9.19E-08	1.23E-07
3555	3.29E-08	9.79E-08	1.31E-07
3556	3.54E-08	1.04E-07	1.39E-07
3557	3.73E-08	1.10E-07	1.47E-07
3558	3.97E-08	1.16E-07	1.56E-07
3559	4.29E-08	1.24E-07	1.67E-07
3560	4.68E-08	1.34E-07	1.81E-07
3561	5.04E-08	1.43E-07	1.93E-07
3562	5.34E-08	1.51E-07	2.04E-07

3563	5.65E-08	1.59E-07	2.16E-07
3564	6.01E-08	1.69E-07	2.29E-07
3565	6.34E-08	1.77E-07	2.40E-07
3566	6.58E-08	1.84E-07	2.50E-07
3567	6.79E-08	1.90E-07	2.58E-07
3568	6.81E-08	1.91E-07	2.59E-07
3569	7.28E-08	2.02E-07	2.75E-07
3570	7.83E-08	2.16E-07	2.94E-07
3571	8.26E-08	2.28E-07	3.11E-07
3572	8.68E-08	2.38E-07	3.25E-07
3573	8.96E-08	2.45E-07	3.35E-07
3574	9.10E-08	2.48E-07	3.39E-07
3575	9.20E-08	2.50E-07	3.42E-07
3576	9.30E-08	2.53E-07	3.46E-07
3577	9.45E-08	2.57E-07	3.52E-07
3578	9.55E-08	2.60E-07	3.56E-07
3579	9.58E-08	2.61E-07	3.57E-07
3580	9.57E-08	2.61E-07	3.57E-07
3581	9.27E-08	2.53E-07	3.46E-07
3582	8.82E-08	2.42E-07	3.30E-07
3583	8.53E-08	2.34E-07	3.19E-07
3584	8.16E-08	2.25E-07	3.07E-07
3585	7.46E-08	2.08E-07	2.83E-07
3586	6.82E-08	1.93E-07	2.61E-07
3587	6.46E-08	1.83E-07	2.48E-07
3588	6.09E-08	1.74E-07	2.35E-07
3589	5.76E-08	1.65E-07	2.23E-07
3590	5.46E-08	1.57E-07	2.12E-07
3591	5.09E-08	1.47E-07	1.98E-07
3592	4.84E-08	1.40E-07	1.88E-07
3593	4.56E-08	1.33E-07	1.79E-07
3594	4.29E-08	1.26E-07	1.69E-07
3595	2.85E-08	8.59E-08	1.14E-07
3596	3.07E-08	9.18E-08	1.23E-07
3597	3.32E-08	9.86E-08	1.32E-07
3598	3.52E-08	1.04E-07	1.39E-07
3599	3.76E-08	1.10E-07	1.48E-07
3600	4.07E-08	1.18E-07	1.59E-07
3601	4.45E-08	1.28E-07	1.73E-07
3602	4.77E-08	1.36E-07	1.84E-07
3603	5.05E-08	1.43E-07	1.94E-07
3604	5.34E-08	1.51E-07	2.04E-07
3605	5.61E-08	1.58E-07	2.14E-07
3606	5.86E-08	1.65E-07	2.24E-07

3607	6.08E-08	1.71E-07	2.32E-07
3608	6.20E-08	1.74E-07	2.36E-07
3609	5.96E-08	1.69E-07	2.29E-07
3610	6.57E-08	1.84E-07	2.50E-07
3611	7.14E-08	1.98E-07	2.69E-07
3612	7.53E-08	2.09E-07	2.84E-07
3613	7.85E-08	2.17E-07	2.96E-07
3614	8.11E-08	2.23E-07	3.04E-07
3615	8.22E-08	2.26E-07	3.08E-07
3616	8.27E-08	2.26E-07	3.09E-07
3617	8.30E-08	2.28E-07	3.11E-07
3618	8.35E-08	2.29E-07	3.13E-07
3619	8.30E-08	2.28E-07	3.11E-07
3620	8.35E-08	2.30E-07	3.14E-07
3621	7.92E-08	2.20E-07	2.99E-07
3622	7.25E-08	2.04E-07	2.77E-07
3623	6.27E-08	1.78E-07	2.41E-07
3624	6.69E-08	1.89E-07	2.56E-07
3625	7.57E-08	2.09E-07	2.85E-07
3626	7.24E-08	2.01E-07	2.73E-07
3627	6.86E-08	1.91E-07	2.60E-07
3628	6.32E-08	1.78E-07	2.41E-07
3629	5.78E-08	1.65E-07	2.23E-07
3630	5.50E-08	1.57E-07	2.12E-07
3631	5.26E-08	1.51E-07	2.04E-07
3632	4.99E-08	1.43E-07	1.93E-07
3633	4.67E-08	1.35E-07	1.82E-07
3634	4.41E-08	1.28E-07	1.72E-07
3635	4.17E-08	1.21E-07	1.63E-07
3636	2.72E-08	8.22E-08	1.09E-07
3637	2.91E-08	8.74E-08	1.17E-07
3638	3.14E-08	9.36E-08	1.25E-07
3639	3.38E-08	9.99E-08	1.34E-07
3640	3.66E-08	1.07E-07	1.44E-07
3641	3.96E-08	1.15E-07	1.55E-07
3642	4.25E-08	1.22E-07	1.65E-07
3643	4.53E-08	1.29E-07	1.74E-07
3644	4.79E-08	1.36E-07	1.84E-07
3645	5.01E-08	1.42E-07	1.92E-07
3646	5.23E-08	1.48E-07	2.00E-07
3647	5.42E-08	1.53E-07	2.07E-07
3648	5.58E-08	1.58E-07	2.14E-07
3649	5.77E-08	1.63E-07	2.21E-07
3650	5.78E-08	1.63E-07	2.21E-07

3651	5.86E-08	1.66E-07	2.25E-07
3652	6.26E-08	1.76E-07	2.39E-07
3653	6.72E-08	1.88E-07	2.55E-07
3654	7.05E-08	1.96E-07	2.67E-07
3655	7.27E-08	2.02E-07	2.75E-07
3656	7.39E-08	2.04E-07	2.78E-07
3657	7.42E-08	2.05E-07	2.79E-07
3658	7.41E-08	2.05E-07	2.79E-07
3659	7.31E-08	2.03E-07	2.76E-07
3660	7.06E-08	1.97E-07	2.68E-07
3661	6.43E-08	1.82E-07	2.46E-07
3662	5.30E-08	1.50E-07	2.03E-07
3663	5.11E-08	1.44E-07	1.95E-07
3664	4.90E-08	1.38E-07	1.87E-07
3665	5.24E-08	1.49E-07	2.01E-07
3666	5.88E-08	1.67E-07	2.26E-07
3667	5.32E-08	1.53E-07	2.06E-07
3668	6.21E-08	1.75E-07	2.37E-07
3669	6.01E-08	1.69E-07	2.29E-07
3670	5.50E-08	1.57E-07	2.12E-07
3671	5.24E-08	1.50E-07	2.02E-07
3672	5.05E-08	1.45E-07	1.96E-07
3673	4.82E-08	1.38E-07	1.86E-07
3674	4.53E-08	1.31E-07	1.76E-07
3675	4.29E-08	1.24E-07	1.67E-07
3676	4.07E-08	1.18E-07	1.59E-07
3677	2.59E-08	7.85E-08	1.04E-07
3678	2.79E-08	8.38E-08	1.12E-07
3679	3.04E-08	9.04E-08	1.21E-07
3680	3.25E-08	9.61E-08	1.29E-07
3681	3.51E-08	1.03E-07	1.38E-07
3682	3.76E-08	1.09E-07	1.47E-07
3683	4.01E-08	1.16E-07	1.56E-07
3684	4.29E-08	1.23E-07	1.66E-07
3685	4.52E-08	1.29E-07	1.74E-07
3686	4.74E-08	1.35E-07	1.82E-07
3687	4.87E-08	1.38E-07	1.87E-07
3688	4.98E-08	1.41E-07	1.91E-07
3689	5.07E-08	1.44E-07	1.95E-07
3690	5.17E-08	1.47E-07	1.99E-07
3691	5.16E-08	1.47E-07	1.99E-07
3692	5.16E-08	1.48E-07	2.00E-07
3693	5.45E-08	1.56E-07	2.11E-07
3694	6.02E-08	1.70E-07	2.30E-07

3695	6.29E-08	1.76E-07	2.39E-07
3696	6.46E-08	1.81E-07	2.46E-07
3697	6.62E-08	1.85E-07	2.51E-07
3698	6.67E-08	1.85E-07	2.52E-07
3699	6.46E-08	1.81E-07	2.46E-07
3700	6.32E-08	1.78E-07	2.41E-07
3701	5.92E-08	1.68E-07	2.27E-07
3702	5.20E-08	1.48E-07	2.00E-07
3703	4.67E-08	1.33E-07	1.80E-07
3704	4.49E-08	1.27E-07	1.72E-07
3705	4.43E-08	1.25E-07	1.69E-07
3706	4.58E-08	1.30E-07	1.76E-07
3707	4.83E-08	1.38E-07	1.86E-07
3708	4.43E-08	1.27E-07	1.71E-07
3709	4.39E-08	1.27E-07	1.71E-07
3710	5.51E-08	1.57E-07	2.12E-07
3711	5.38E-08	1.53E-07	2.07E-07
3712	5.10E-08	1.46E-07	1.97E-07
3713	4.87E-08	1.39E-07	1.88E-07
3714	4.62E-08	1.33E-07	1.79E-07
3715	4.40E-08	1.27E-07	1.71E-07
3716	4.18E-08	1.21E-07	1.63E-07
3717	3.97E-08	1.15E-07	1.55E-07
3718	2.42E-08	7.35E-08	9.77E-08
3719	2.62E-08	7.90E-08	1.05E-07
3720	2.91E-08	8.68E-08	1.16E-07
3721	3.09E-08	9.16E-08	1.23E-07
3722	3.30E-08	9.71E-08	1.30E-07
3723	3.56E-08	1.04E-07	1.40E-07
3724	3.83E-08	1.11E-07	1.49E-07
3725	4.09E-08	1.17E-07	1.58E-07
3726	4.27E-08	1.22E-07	1.65E-07
3727	4.44E-08	1.27E-07	1.71E-07
3728	4.55E-08	1.30E-07	1.76E-07
3729	4.54E-08	1.30E-07	1.75E-07
3730	4.61E-08	1.32E-07	1.78E-07
3731	4.62E-08	1.33E-07	1.79E-07
3732	4.57E-08	1.32E-07	1.78E-07
3733	4.57E-08	1.32E-07	1.78E-07
3734	4.90E-08	1.41E-07	1.90E-07
3735	5.28E-08	1.51E-07	2.04E-07
3736	5.58E-08	1.58E-07	2.14E-07
3737	5.74E-08	1.62E-07	2.19E-07
3738	5.92E-08	1.67E-07	2.26E-07

3739	5.82E-08	1.64E-07	2.22E-07
3740	5.62E-08	1.60E-07	2.16E-07
3741	4.69E-08	1.35E-07	1.82E-07
3742	4.81E-08	1.38E-07	1.86E-07
3743	4.77E-08	1.37E-07	1.85E-07
3744	4.22E-08	1.20E-07	1.62E-07
3745	4.09E-08	1.16E-07	1.57E-07
3746	4.04E-08	1.14E-07	1.54E-07
3747	4.01E-08	1.13E-07	1.53E-07
3748	3.98E-08	1.13E-07	1.53E-07
3749	3.91E-08	1.12E-07	1.51E-07
3750	4.09E-08	1.18E-07	1.59E-07
3751	5.01E-08	1.44E-07	1.94E-07
3752	5.17E-08	1.47E-07	1.99E-07
3753	4.90E-08	1.40E-07	1.89E-07
3754	4.67E-08	1.34E-07	1.81E-07
3755	4.43E-08	1.27E-07	1.71E-07
3756	4.23E-08	1.22E-07	1.64E-07
3757	4.04E-08	1.17E-07	1.57E-07
3758	3.85E-08	1.11E-07	1.50E-07
	1.39E-06	3.80E-06	5.14E-06

HARP2 - HRACalc (dated 22118) 2/11/2025 12:37:05 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\Users\dlarocca\Desktop\HARP2 Files\SanteeOpEMFAC T4i Final wTuckN\hra\OpT4iForkChronicNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\dlarocca\Desktop\HARP2 Files\SanteeOpEMFAC T4i Final wTuckN\hra\OpT4iForkChronicNCChronicRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 2/11/2025 12:37:05 PM - Chronic Risk - Input File: C:\Users\dlarocca\Desktop\HARP2 Files\SanteeOpEMFAC T4i Final wTuckN\hra\OpT4iForkChronicHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		502722	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2	ALL		502772	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
3	ALL		502822	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
4	ALL		502872	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
5	ALL		502922	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
6	ALL		502972	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
7	ALL		503022	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
8	ALL		503072	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
9	ALL		503122	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
10	ALL		503172	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
11	ALL		503222	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
12	ALL		503272	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
13	ALL		503322	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
14	ALL		503372	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
15	ALL		503422	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
16	ALL		503472	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
17	ALL		503522	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
18	ALL		503622	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
19	ALL		503672	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
20	ALL		503722	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
21	ALL		503772	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
22	ALL		503822	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
23	ALL		503872	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
24	ALL		503922	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
25	ALL		503972	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
26	ALL		504022	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
27	ALL		504072	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
28	ALL		504122	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
29	ALL		504172	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
30	ALL		504222	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
31	ALL		504272	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
32	ALL		504322	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
33	ALL		504372	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
34	ALL		504422	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05
35	ALL		504472	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05
36	ALL		504522	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05
37	ALL		504572	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05
38	ALL		504622	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05
39	ALL		504672	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05
40	ALL		504722	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05
41	ALL		502722	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
42	ALL		502772	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
43	ALL		502822	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
44	ALL		502872	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
45	ALL		502922	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
46	ALL		502972	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
47	ALL		503022	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
48	ALL		503072	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
49	ALL		503122	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
50	ALL		503172	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
51	ALL		503222	3633526	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04

52	ALL	503272	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
53	ALL	503322	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
54	ALL	503372	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
55	ALL	503422	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
56	ALL	503472	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
57	ALL	503522	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
58	ALL	503622	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04
59	ALL	503672	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
60	ALL	503722	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
61	ALL	503772	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
62	ALL	503822	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
63	ALL	503872	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
64	ALL	503922	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
65	ALL	503972	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
66	ALL	504022	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
67	ALL	504072	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
68	ALL	504122	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
69	ALL	504172	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
70	ALL	504222	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
71	ALL	504272	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
72	ALL	504322	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
73	ALL	504372	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
74	ALL	504422	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
75	ALL	504472	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
76	ALL	504522	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
77	ALL	504572	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
78	ALL	504622	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
79	ALL	504672	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
80	ALL	504722	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
81	ALL	502722	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
82	ALL	502772	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
83	ALL	502822	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
84	ALL	502872	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
85	ALL	502922	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
86	ALL	502972	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
87	ALL	503022	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
88	ALL	503072	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
89	ALL	503122	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
90	ALL	503172	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
91	ALL	503222	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
92	ALL	503272	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
93	ALL	503322	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
94	ALL	503372	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
95	ALL	503422	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
96	ALL	503472	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
97	ALL	503522	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
98	ALL	503622	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04
99	ALL	503672	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04
100	ALL	503722	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
101	ALL	503772	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
102	ALL	503822	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
103	ALL	503872	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
104	ALL	503922	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04

105	ALL	503972	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
106	ALL	504022	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
107	ALL	504072	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
108	ALL	504122	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
109	ALL	504172	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
110	ALL	504222	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
111	ALL	504272	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
112	ALL	504322	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
113	ALL	504372	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
114	ALL	504422	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
115	ALL	504472	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
116	ALL	504522	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
117	ALL	504572	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
118	ALL	504622	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
119	ALL	504672	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
120	ALL	504722	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
121	ALL	502722	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
122	ALL	502772	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
123	ALL	502822	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
124	ALL	502872	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
125	ALL	502922	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
126	ALL	502972	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
127	ALL	503022	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
128	ALL	503072	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
129	ALL	503122	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
130	ALL	503172	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
131	ALL	503222	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
132	ALL	503272	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
133	ALL	503322	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
134	ALL	503372	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
135	ALL	503422	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
136	ALL	503472	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
137	ALL	503522	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
138	ALL	503622	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04
139	ALL	503672	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
140	ALL	503722	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
141	ALL	503772	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
142	ALL	503822	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
143	ALL	503872	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
144	ALL	503922	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
145	ALL	503972	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
146	ALL	504022	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
147	ALL	504072	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
148	ALL	504122	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
149	ALL	504172	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
150	ALL	504222	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
151	ALL	504272	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
152	ALL	504322	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
153	ALL	504372	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
154	ALL	504422	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
155	ALL	504472	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
156	ALL	504522	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
157	ALL	504572	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04

158	ALL	504622	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
159	ALL	504672	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
160	ALL	504722	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
161	ALL	502722	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
162	ALL	502772	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
163	ALL	502822	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
164	ALL	502872	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
165	ALL	502922	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
166	ALL	502972	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
167	ALL	503022	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
168	ALL	503072	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
169	ALL	503122	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
170	ALL	503172	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
171	ALL	503222	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
172	ALL	503272	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
173	ALL	503322	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
174	ALL	503372	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
175	ALL	503422	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
176	ALL	503472	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
177	ALL	503522	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
178	ALL	503572	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04
179	ALL	503672	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04
180	ALL	503722	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
181	ALL	503772	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
182	ALL	503822	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
183	ALL	503872	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
184	ALL	503922	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
185	ALL	503972	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
186	ALL	504022	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
187	ALL	504072	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
188	ALL	504122	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
189	ALL	504172	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
190	ALL	504222	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
191	ALL	504272	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
192	ALL	504322	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
193	ALL	504372	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
194	ALL	504422	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
195	ALL	504472	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
196	ALL	504522	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
197	ALL	504572	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
198	ALL	504622	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
199	ALL	504672	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
200	ALL	504722	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
201	ALL	502722	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
202	ALL	502772	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
203	ALL	502822	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
204	ALL	502872	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
205	ALL	502922	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
206	ALL	502972	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
207	ALL	503022	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
208	ALL	503072	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
209	ALL	503122	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
210	ALL	503172	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04

211	ALL	503222	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
212	ALL	503272	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
213	ALL	503322	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
214	ALL	503372	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
215	ALL	503422	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
216	ALL	503472	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
217	ALL	503522	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
218	ALL	503572	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04
219	ALL	503722	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
220	ALL	503772	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
221	ALL	503822	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
222	ALL	503872	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
223	ALL	503922	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
224	ALL	503972	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
225	ALL	504022	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
226	ALL	504072	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
227	ALL	504122	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
228	ALL	504172	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
229	ALL	504222	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
230	ALL	504272	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
231	ALL	504322	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
232	ALL	504372	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
233	ALL	504422	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
234	ALL	504472	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
235	ALL	504522	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
236	ALL	504572	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
237	ALL	504622	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
238	ALL	504672	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
239	ALL	504722	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
240	ALL	502722	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
241	ALL	502772	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
242	ALL	502822	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
243	ALL	502872	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
244	ALL	502922	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
245	ALL	502972	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
246	ALL	503022	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
247	ALL	503072	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
248	ALL	503122	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
249	ALL	503172	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
250	ALL	503222	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
251	ALL	503272	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
252	ALL	503322	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
253	ALL	503372	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
254	ALL	503422	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
255	ALL	503472	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
256	ALL	503772	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
257	ALL	503822	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
258	ALL	503872	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
259	ALL	503922	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
260	ALL	503972	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04
261	ALL	504022	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
262	ALL	504072	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
263	ALL	504122	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04

264	ALL	504172	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
265	ALL	504222	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
266	ALL	504272	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
267	ALL	504322	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
268	ALL	504372	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
269	ALL	504422	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
270	ALL	504472	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
271	ALL	504522	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
272	ALL	504572	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
273	ALL	504622	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
274	ALL	504672	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
275	ALL	504722	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
276	ALL	502722	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
277	ALL	502772	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
278	ALL	502822	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
279	ALL	502872	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
280	ALL	502922	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
281	ALL	502972	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
282	ALL	503022	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
283	ALL	503072	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
284	ALL	503122	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
285	ALL	503172	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
286	ALL	503222	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
287	ALL	503272	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
288	ALL	503772	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04
289	ALL	503822	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04
290	ALL	503872	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
291	ALL	503922	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
292	ALL	503972	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
293	ALL	504022	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04
294	ALL	504072	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
295	ALL	504122	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
296	ALL	504172	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
297	ALL	504222	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
298	ALL	504272	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
299	ALL	504322	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
300	ALL	504372	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
301	ALL	504422	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
302	ALL	504472	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
303	ALL	504522	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
304	ALL	504572	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
305	ALL	504622	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
306	ALL	504672	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
307	ALL	504722	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
308	ALL	502722	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
309	ALL	502772	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
310	ALL	502822	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
311	ALL	502872	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
312	ALL	502922	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
313	ALL	502972	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
314	ALL	503022	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
315	ALL	503072	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
316	ALL	503122	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04

317	ALL	503172	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
318	ALL	503222	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
319	ALL	503272	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
320	ALL	503822	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
321	ALL	503872	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
322	ALL	503922	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
323	ALL	503972	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
324	ALL	504022	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
325	ALL	504072	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
326	ALL	504122	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
327	ALL	504172	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
328	ALL	504222	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
329	ALL	504272	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
330	ALL	504322	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
331	ALL	504372	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
332	ALL	504422	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
333	ALL	504472	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
334	ALL	504522	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
335	ALL	504572	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
336	ALL	504622	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
337	ALL	504672	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
338	ALL	504722	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
339	ALL	502722	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
340	ALL	502772	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
341	ALL	502822	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
342	ALL	502872	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
343	ALL	502922	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
344	ALL	502972	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
345	ALL	503022	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
346	ALL	503072	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
347	ALL	503122	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
348	ALL	503172	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
349	ALL	503222	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
350	ALL	503272	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
351	ALL	503822	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04
352	ALL	503872	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04
353	ALL	503922	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04
354	ALL	503972	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
355	ALL	504022	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04
356	ALL	504072	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04
357	ALL	504122	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
358	ALL	504172	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
359	ALL	504222	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04
360	ALL	504272	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
361	ALL	504322	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
362	ALL	504372	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
363	ALL	504422	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04
364	ALL	504472	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
365	ALL	504522	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
366	ALL	504572	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
367	ALL	504622	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
368	ALL	504672	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
369	ALL	504722	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04

370	ALL	502722	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
371	ALL	502772	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
372	ALL	502822	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
373	ALL	502872	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
374	ALL	502922	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
375	ALL	502972	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
376	ALL	503022	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
377	ALL	503072	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
378	ALL	503122	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
379	ALL	503172	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
380	ALL	503222	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
381	ALL	503272	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04
382	ALL	503822	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04
383	ALL	503872	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04
384	ALL	503922	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04
385	ALL	503972	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04
386	ALL	504022	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04
387	ALL	504072	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04
388	ALL	504122	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04
389	ALL	504172	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04
390	ALL	504222	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04
391	ALL	504272	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04
392	ALL	504322	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
393	ALL	504372	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
394	ALL	504422	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
395	ALL	504472	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
396	ALL	504522	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
397	ALL	504572	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
398	ALL	504622	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
399	ALL	504672	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
400	ALL	504722	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
401	ALL	502722	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
402	ALL	502772	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
403	ALL	502822	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
404	ALL	502872	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
405	ALL	502922	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
406	ALL	502972	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
407	ALL	503022	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
408	ALL	503072	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
409	ALL	503122	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
410	ALL	503172	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
411	ALL	503222	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
412	ALL	503272	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
413	ALL	503872	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-04
414	ALL	503922	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04
415	ALL	503972	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-04
416	ALL	504022	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04
417	ALL	504072	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04
418	ALL	504122	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04
419	ALL	504172	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04
420	ALL	504222	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04
421	ALL	504272	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
422	ALL	504322	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04

423	ALL	504372	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04
424	ALL	504422	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
425	ALL	504472	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
426	ALL	504522	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
427	ALL	504572	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
428	ALL	504622	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
429	ALL	504672	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
430	ALL	504722	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
431	ALL	502722	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
432	ALL	502772	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
433	ALL	502822	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
434	ALL	502872	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
435	ALL	502922	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
436	ALL	502972	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
437	ALL	503022	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
438	ALL	503072	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
439	ALL	503122	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
440	ALL	503172	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
441	ALL	503222	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
442	ALL	503272	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
443	ALL	503872	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
444	ALL	503922	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
445	ALL	503972	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04
446	ALL	504022	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-04
447	ALL	504072	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04
448	ALL	504122	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04
449	ALL	504172	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04
450	ALL	504222	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04
451	ALL	504272	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04
452	ALL	504322	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04
453	ALL	504372	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
454	ALL	504422	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
455	ALL	504472	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
456	ALL	504522	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
457	ALL	504572	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
458	ALL	504622	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
459	ALL	504672	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
460	ALL	504722	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
461	ALL	502722	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
462	ALL	502772	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
463	ALL	502822	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
464	ALL	502872	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
465	ALL	502922	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
466	ALL	502972	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
467	ALL	503022	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
468	ALL	503072	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
469	ALL	503122	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
470	ALL	503172	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
471	ALL	503222	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
472	ALL	503272	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
473	ALL	503922	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
474	ALL	503972	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
475	ALL	504022	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03

476	ALL	504072	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04
477	ALL	504122	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04
478	ALL	504172	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04
479	ALL	504222	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04
480	ALL	504272	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04
481	ALL	504322	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04
482	ALL	504372	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04
483	ALL	504422	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
484	ALL	504472	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04
485	ALL	504522	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
486	ALL	504572	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
487	ALL	504622	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
488	ALL	504672	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
489	ALL	504722	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
490	ALL	502722	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
491	ALL	502772	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
492	ALL	502822	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
493	ALL	502872	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
494	ALL	502922	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
495	ALL	502972	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
496	ALL	503022	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
497	ALL	503072	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
498	ALL	503122	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
499	ALL	503172	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
500	ALL	503222	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
501	ALL	503272	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04
502	ALL	503972	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
503	ALL	504022	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
504	ALL	504072	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
505	ALL	504122	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04
506	ALL	504172	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-04
507	ALL	504222	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04
508	ALL	504272	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04
509	ALL	504322	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04
510	ALL	504372	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
511	ALL	504422	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
512	ALL	504472	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
513	ALL	504522	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
514	ALL	504572	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
515	ALL	504622	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
516	ALL	504672	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
517	ALL	504722	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
518	ALL	502722	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
519	ALL	502772	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
520	ALL	502822	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
521	ALL	502872	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
522	ALL	502922	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
523	ALL	502972	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
524	ALL	503022	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
525	ALL	503072	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
526	ALL	503122	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
527	ALL	503172	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
528	ALL	503222	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04

529	ALL	503272	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04
530	ALL	504072	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
531	ALL	504122	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
532	ALL	504172	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04
533	ALL	504222	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04
534	ALL	504272	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04
535	ALL	504322	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04
536	ALL	504372	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04
537	ALL	504422	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
538	ALL	504472	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
539	ALL	504522	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
540	ALL	504572	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
541	ALL	504622	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
542	ALL	504672	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
543	ALL	504722	3634226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
544	ALL	502722	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
545	ALL	502772	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
546	ALL	502822	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
547	ALL	502872	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
548	ALL	502922	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
549	ALL	502972	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
550	ALL	503022	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04
551	ALL	503072	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
552	ALL	503122	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
553	ALL	503172	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
554	ALL	503222	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
555	ALL	503272	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04
556	ALL	504122	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
557	ALL	504172	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
558	ALL	504222	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04
559	ALL	504272	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04
560	ALL	504322	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04
561	ALL	504372	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04
562	ALL	504422	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04
563	ALL	504472	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
564	ALL	504522	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
565	ALL	504572	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
566	ALL	504622	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
567	ALL	504672	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
568	ALL	504722	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
569	ALL	502722	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
570	ALL	502772	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
571	ALL	502822	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
572	ALL	502872	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
573	ALL	502972	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
574	ALL	503022	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
575	ALL	503072	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
576	ALL	503122	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
577	ALL	503172	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
578	ALL	503222	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04
579	ALL	503272	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04
580	ALL	504172	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
581	ALL	504222	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-04

582	ALL	504272	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04
583	ALL	504322	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04
584	ALL	504372	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04
585	ALL	504422	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
586	ALL	504472	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
587	ALL	504522	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
588	ALL	504572	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
589	ALL	504622	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
590	ALL	504672	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
591	ALL	504722	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
592	ALL	502722	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
593	ALL	502772	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
594	ALL	502822	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
595	ALL	503022	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
596	ALL	503072	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
597	ALL	503122	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04
598	ALL	503172	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
599	ALL	503222	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04
600	ALL	503272	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04
601	ALL	504222	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04
602	ALL	504272	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04
603	ALL	504322	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04
604	ALL	504372	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04
605	ALL	504422	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
606	ALL	504472	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
607	ALL	504522	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
608	ALL	504572	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
609	ALL	504622	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
610	ALL	504672	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
611	ALL	504722	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
612	ALL	502722	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
613	ALL	502772	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
614	ALL	502822	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
615	ALL	504272	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04
616	ALL	504322	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04
617	ALL	504372	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04
618	ALL	504422	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04
619	ALL	504472	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
620	ALL	504522	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
621	ALL	504572	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
622	ALL	504622	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
623	ALL	504672	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
624	ALL	504722	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
625	ALL	502722	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
626	ALL	502772	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
627	ALL	502822	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
628	ALL	504322	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04
629	ALL	504372	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04
630	ALL	504422	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04
631	ALL	504472	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04
632	ALL	504522	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
633	ALL	504572	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
634	ALL	504622	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04

635	ALL	504672	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
636	ALL	504722	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
637	ALL	502722	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
638	ALL	502772	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
639	ALL	504372	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04
640	ALL	504422	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04
641	ALL	504472	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04
642	ALL	504522	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
643	ALL	504572	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
644	ALL	504622	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
645	ALL	504672	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
646	ALL	504722	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
647	ALL	502722	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
648	ALL	502772	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
649	ALL	504422	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04
650	ALL	504472	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
651	ALL	504522	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
652	ALL	504572	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
653	ALL	504622	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
654	ALL	504672	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
655	ALL	504722	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
656	ALL	502722	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
657	ALL	502772	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
658	ALL	502822	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
659	ALL	502872	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
660	ALL	502922	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
661	ALL	502972	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
662	ALL	503022	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
663	ALL	503072	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
664	ALL	503122	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04
665	ALL	504472	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
666	ALL	504522	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
667	ALL	504572	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
668	ALL	504622	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
669	ALL	504672	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
670	ALL	504722	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
671	ALL	502722	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
672	ALL	502772	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
673	ALL	502822	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
674	ALL	502872	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
675	ALL	502922	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
676	ALL	502972	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
677	ALL	503022	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
678	ALL	503072	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
679	ALL	503122	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
680	ALL	503172	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
681	ALL	503222	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04
682	ALL	503272	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
683	ALL	503322	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04
684	ALL	503372	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04
685	ALL	503422	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04
686	ALL	503472	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04
687	ALL	503522	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03

688	ALL	504522	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
689	ALL	504572	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
690	ALL	504622	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
691	ALL	504672	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
692	ALL	504722	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
693	ALL	502722	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
694	ALL	502772	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
695	ALL	502822	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
696	ALL	502872	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
697	ALL	502922	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
698	ALL	502972	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
699	ALL	503022	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
700	ALL	503072	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
701	ALL	503122	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
702	ALL	503172	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
703	ALL	503222	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
704	ALL	503272	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04
705	ALL	503322	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04
706	ALL	503372	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04
707	ALL	503422	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04
708	ALL	503472	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-04
709	ALL	503522	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-04
710	ALL	503572	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
711	ALL	503622	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
712	ALL	504572	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
713	ALL	504622	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
714	ALL	504672	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
715	ALL	504722	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
716	ALL	502722	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
717	ALL	502772	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
718	ALL	502822	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
719	ALL	502872	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
720	ALL	502922	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
721	ALL	502972	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
722	ALL	503022	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
723	ALL	503072	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
724	ALL	503122	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
725	ALL	503172	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
726	ALL	503222	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
727	ALL	503272	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
728	ALL	503322	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04
729	ALL	503372	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04
730	ALL	503422	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04
731	ALL	503472	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04
732	ALL	503522	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04
733	ALL	503572	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04
734	ALL	503622	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
735	ALL	503672	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
736	ALL	503722	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
737	ALL	503772	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
738	ALL	503822	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
739	ALL	504622	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
740	ALL	504672	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04

741	ALL	504722	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
742	ALL	502722	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
743	ALL	502772	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
744	ALL	502822	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
745	ALL	502872	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
746	ALL	502922	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
747	ALL	502972	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
748	ALL	503022	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
749	ALL	503072	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04
750	ALL	503122	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
751	ALL	503172	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04
752	ALL	503222	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
753	ALL	503272	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04
754	ALL	503322	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
755	ALL	503372	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04
756	ALL	503422	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04
757	ALL	503472	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04
758	ALL	503522	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04
759	ALL	503572	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-04
760	ALL	503622	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-04
761	ALL	503672	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-04
762	ALL	503722	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
763	ALL	503772	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
764	ALL	503822	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
765	ALL	503872	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
766	ALL	503922	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04
767	ALL	504672	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
768	ALL	504722	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
769	ALL	502722	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
770	ALL	502772	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
771	ALL	502822	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
772	ALL	502872	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
773	ALL	502922	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
774	ALL	502972	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
775	ALL	503022	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
776	ALL	503072	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
777	ALL	503122	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
778	ALL	503172	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
779	ALL	503222	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04
780	ALL	503272	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
781	ALL	503322	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
782	ALL	503372	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04
783	ALL	503422	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
784	ALL	503472	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04
785	ALL	503522	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04
786	ALL	503572	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04
787	ALL	503622	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04
788	ALL	503672	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04
789	ALL	503722	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04
790	ALL	503772	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04
791	ALL	503822	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04
792	ALL	503872	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04
793	ALL	503922	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04

794	ALL	504722	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
795	ALL	502722	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
796	ALL	502772	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
797	ALL	502822	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
798	ALL	502872	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
799	ALL	502922	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
800	ALL	502972	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
801	ALL	503022	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
802	ALL	503072	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
803	ALL	503122	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
804	ALL	503172	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
805	ALL	503222	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
806	ALL	503272	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
807	ALL	503322	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
808	ALL	503372	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
809	ALL	503422	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04
810	ALL	503472	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04
811	ALL	503522	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04
812	ALL	503572	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04
813	ALL	503622	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04
814	ALL	503672	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04
815	ALL	503722	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04
816	ALL	503772	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04
817	ALL	503822	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04
818	ALL	503872	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04
819	ALL	502722	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
820	ALL	502772	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
821	ALL	502822	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
822	ALL	502872	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
823	ALL	502922	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
824	ALL	502972	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
825	ALL	503022	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
826	ALL	503072	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
827	ALL	503122	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
828	ALL	503172	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
829	ALL	503222	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
830	ALL	503272	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
831	ALL	503322	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
832	ALL	503372	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
833	ALL	503422	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04
834	ALL	503472	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
835	ALL	503522	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04
836	ALL	503572	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04
837	ALL	503622	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04
838	ALL	503672	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
839	ALL	503722	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04
840	ALL	503772	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04
841	ALL	503822	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04
842	ALL	503872	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04
843	ALL	502722	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
844	ALL	502772	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
845	ALL	502822	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
846	ALL	502872	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04

847	ALL	502922	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
848	ALL	502972	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
849	ALL	503022	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
850	ALL	503072	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
851	ALL	503122	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
852	ALL	503172	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
853	ALL	503222	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
854	ALL	503272	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
855	ALL	503322	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
856	ALL	503372	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
857	ALL	503422	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
858	ALL	503472	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
859	ALL	503522	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
860	ALL	503572	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
861	ALL	503622	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04
862	ALL	503672	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04
863	ALL	503722	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04
864	ALL	503772	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
865	ALL	503822	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04
866	ALL	504372	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
867	ALL	502722	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
868	ALL	502772	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
869	ALL	502822	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
870	ALL	502872	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
871	ALL	502922	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
872	ALL	502972	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
873	ALL	503022	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
874	ALL	503072	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
875	ALL	503122	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
876	ALL	503172	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
877	ALL	503222	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
878	ALL	503272	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04
879	ALL	503322	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
880	ALL	503372	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
881	ALL	503422	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
882	ALL	503472	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04
883	ALL	503522	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
884	ALL	503572	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
885	ALL	503622	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04
886	ALL	503672	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
887	ALL	503722	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04
888	ALL	503772	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
889	ALL	503822	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
890	ALL	504372	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
891	ALL	504422	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
892	ALL	504472	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
893	ALL	504522	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
894	ALL	502722	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
895	ALL	502772	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
896	ALL	502822	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
897	ALL	502872	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
898	ALL	502922	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
899	ALL	502972	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04

900	ALL	503022	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
901	ALL	503072	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
902	ALL	503122	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
903	ALL	503172	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
904	ALL	503222	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
905	ALL	503272	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
906	ALL	503322	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
907	ALL	503372	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04
908	ALL	503422	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
909	ALL	503472	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
910	ALL	503522	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
911	ALL	503572	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04
912	ALL	503622	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04
913	ALL	503672	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04
914	ALL	503722	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
915	ALL	503772	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
916	ALL	503822	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
917	ALL	504372	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
918	ALL	504422	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
919	ALL	504472	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
920	ALL	504522	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
921	ALL	504572	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
922	ALL	502722	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
923	ALL	502772	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
924	ALL	502822	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
925	ALL	502872	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
926	ALL	502922	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
927	ALL	502972	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
928	ALL	503022	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
929	ALL	503072	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
930	ALL	503122	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
931	ALL	503172	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
932	ALL	503222	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
933	ALL	503272	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
934	ALL	503322	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
935	ALL	503372	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
936	ALL	503422	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
937	ALL	503472	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
938	ALL	503522	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
939	ALL	503572	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
940	ALL	503622	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
941	ALL	503672	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
942	ALL	503722	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
943	ALL	503772	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04
944	ALL	503822	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
945	ALL	504372	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
946	ALL	504422	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
947	ALL	504472	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
948	ALL	504522	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
949	ALL	504572	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
950	ALL	504622	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
951	ALL	502722	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
952	ALL	502772	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04

953	ALL	502822	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
954	ALL	502872	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
955	ALL	502922	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
956	ALL	502972	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
957	ALL	503022	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
958	ALL	503072	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
959	ALL	503122	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
960	ALL	503172	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
961	ALL	503222	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
962	ALL	503272	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
963	ALL	503322	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
964	ALL	503372	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
965	ALL	503422	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
966	ALL	503472	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
967	ALL	503522	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
968	ALL	503572	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
969	ALL	503622	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
970	ALL	503672	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
971	ALL	504372	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
972	ALL	504422	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
973	ALL	504472	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
974	ALL	504522	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
975	ALL	504572	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
976	ALL	504622	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
977	ALL	502722	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
978	ALL	502772	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
979	ALL	502822	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
980	ALL	502872	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
981	ALL	502922	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
982	ALL	502972	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
983	ALL	503022	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
984	ALL	503072	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
985	ALL	503122	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
986	ALL	503172	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
987	ALL	503222	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
988	ALL	503272	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
989	ALL	503322	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
990	ALL	503372	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
991	ALL	503422	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
992	ALL	503472	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
993	ALL	503522	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
994	ALL	503572	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
995	ALL	503622	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
996	ALL	504372	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
997	ALL	504422	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
998	ALL	504472	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
999	ALL	504522	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
1000	ALL	504572	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1001	ALL	504622	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1002	ALL	504672	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1003	ALL	502722	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1004	ALL	502772	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1005	ALL	502822	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04

1006	ALL	502872	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1007	ALL	502922	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1008	ALL	502972	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1009	ALL	503022	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1010	ALL	503072	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1011	ALL	503122	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1012	ALL	503172	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1013	ALL	503222	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1014	ALL	503272	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1015	ALL	503322	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1016	ALL	503372	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
1017	ALL	503422	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
1018	ALL	503472	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
1019	ALL	503522	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
1020	ALL	503572	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
1021	ALL	503622	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
1022	ALL	504372	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
1023	ALL	504422	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
1024	ALL	504472	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1025	ALL	504522	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
1026	ALL	504572	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1027	ALL	504622	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1028	ALL	504672	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1029	ALL	504722	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1030	ALL	502722	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1031	ALL	502772	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1032	ALL	502822	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1033	ALL	502872	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1034	ALL	502922	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1035	ALL	502972	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1036	ALL	503022	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1037	ALL	503072	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1038	ALL	503122	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1039	ALL	503172	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1040	ALL	503222	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1041	ALL	503272	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1042	ALL	503322	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
1043	ALL	503372	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1044	ALL	503422	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
1045	ALL	503472	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
1046	ALL	503522	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
1047	ALL	503572	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
1048	ALL	503622	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
1049	ALL	503672	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
1050	ALL	503722	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
1051	ALL	504372	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1052	ALL	504422	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1053	ALL	504472	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
1054	ALL	504522	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1055	ALL	504572	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1056	ALL	504622	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1057	ALL	504672	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1058	ALL	504722	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04

1059	ALL	502722	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1060	ALL	502772	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1061	ALL	502822	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1062	ALL	502872	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1063	ALL	502922	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1064	ALL	502972	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1065	ALL	503022	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1066	ALL	503072	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1067	ALL	503122	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1068	ALL	503172	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1069	ALL	503222	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1070	ALL	503272	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1071	ALL	503322	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1072	ALL	503372	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1073	ALL	503422	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
1074	ALL	503472	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1075	ALL	503522	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1076	ALL	503572	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
1077	ALL	503622	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1078	ALL	503672	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
1079	ALL	503722	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
1080	ALL	503772	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
1081	ALL	503822	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
1082	ALL	504372	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1083	ALL	504422	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1084	ALL	504472	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1085	ALL	504522	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1086	ALL	504572	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1087	ALL	504622	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1088	ALL	504672	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1089	ALL	504722	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1090	ALL	502722	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05
1091	ALL	502772	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1092	ALL	502822	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1093	ALL	502872	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1094	ALL	502922	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1095	ALL	502972	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1096	ALL	503022	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1097	ALL	503072	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1098	ALL	503122	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1099	ALL	503172	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1100	ALL	503222	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1101	ALL	503272	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1102	ALL	503322	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1103	ALL	503372	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1104	ALL	503422	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
1105	ALL	503472	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1106	ALL	503522	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1107	ALL	503572	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1108	ALL	503622	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1109	ALL	503672	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1110	ALL	503722	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
1111	ALL	503772	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04

1112	ALL	503822	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
1113	ALL	503872	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
1114	ALL	503922	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
1115	ALL	504372	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1116	ALL	504422	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1117	ALL	504472	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1118	ALL	504522	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1119	ALL	504572	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1120	ALL	504622	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1121	ALL	504672	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1122	ALL	504722	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1123	ALL	502222	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1124	ALL	502272	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1125	ALL	502322	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1126	ALL	502372	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1127	ALL	502422	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1128	ALL	502472	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1129	ALL	502522	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1130	ALL	502572	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1131	ALL	502622	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1132	ALL	502672	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1133	ALL	502722	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1134	ALL	502772	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1135	ALL	502822	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1136	ALL	502872	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1137	ALL	502922	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1138	ALL	502972	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1139	ALL	503022	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1140	ALL	503072	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1141	ALL	503122	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1142	ALL	503172	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1143	ALL	503222	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
1144	ALL	503272	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1145	ALL	503322	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1146	ALL	503372	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
1147	ALL	503422	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
1148	ALL	503472	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
1149	ALL	503622	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
1150	ALL	503672	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
1151	ALL	503722	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1152	ALL	503772	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1153	ALL	503822	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
1154	ALL	503872	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
1155	ALL	503922	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05
1156	ALL	503972	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
1157	ALL	504022	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
1158	ALL	504072	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
1159	ALL	504122	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
1160	ALL	504172	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05
1161	ALL	504222	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05
1162	ALL	504272	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
1163	ALL	504322	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
1164	ALL	504372	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05

1165	ALL	504422	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05
1166	ALL	504472	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05
1167	ALL	504522	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05
1168	ALL	504572	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
1169	ALL	504622	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
1170	ALL	504672	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
1171	ALL	504722	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05
1172	ALL	504772	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05
1173	ALL	504822	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
1174	ALL	504872	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05
1175	ALL	504922	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05
1176	ALL	504972	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
1177	ALL	505022	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
1178	ALL	505072	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
1179	ALL	505122	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
1180	ALL	505172	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
1181	ALL	505222	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05
1182	ALL	502222	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1183	ALL	502272	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1184	ALL	502322	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1185	ALL	502372	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1186	ALL	502422	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1187	ALL	502472	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1188	ALL	502522	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1189	ALL	502572	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1190	ALL	502622	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1191	ALL	502672	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1192	ALL	502722	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1193	ALL	502772	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1194	ALL	502822	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1195	ALL	502872	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1196	ALL	502922	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1197	ALL	502972	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05
1198	ALL	503022	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1199	ALL	503072	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1200	ALL	503122	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1201	ALL	503172	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1202	ALL	503222	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1203	ALL	503272	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1204	ALL	503322	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1205	ALL	503372	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1206	ALL	503422	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
1207	ALL	503472	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
1208	ALL	503622	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
1209	ALL	503672	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
1210	ALL	503722	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1211	ALL	503772	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1212	ALL	503822	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05
1213	ALL	503872	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
1214	ALL	503922	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
1215	ALL	503972	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05
1216	ALL	504022	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
1217	ALL	504072	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05

1218	ALL	504122	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05
1219	ALL	504172	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
1220	ALL	504222	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
1221	ALL	504272	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
1222	ALL	504322	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
1223	ALL	504372	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
1224	ALL	504422	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
1225	ALL	504472	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
1226	ALL	504522	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
1227	ALL	504572	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
1228	ALL	504622	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
1229	ALL	504672	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
1230	ALL	504722	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
1231	ALL	504772	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
1232	ALL	504822	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
1233	ALL	504872	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05
1234	ALL	504922	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
1235	ALL	504972	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05
1236	ALL	505022	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05
1237	ALL	505072	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
1238	ALL	505122	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
1239	ALL	505172	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05
1240	ALL	505222	3633026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05
1241	ALL	502222	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1242	ALL	502272	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1243	ALL	502322	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1244	ALL	502372	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1245	ALL	502422	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1246	ALL	502472	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1247	ALL	502522	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1248	ALL	502572	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1249	ALL	502622	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1250	ALL	502672	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1251	ALL	502722	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1252	ALL	502772	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1253	ALL	502822	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1254	ALL	502872	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1255	ALL	502922	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1256	ALL	502972	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1257	ALL	503022	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1258	ALL	503072	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1259	ALL	503122	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1260	ALL	503172	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1261	ALL	503222	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1262	ALL	503272	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
1263	ALL	503322	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1264	ALL	503372	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
1265	ALL	503422	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
1266	ALL	503472	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
1267	ALL	503622	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
1268	ALL	503672	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
1269	ALL	503722	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1270	ALL	503772	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04

1271	ALL	503822	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
1272	ALL	503872	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05
1273	ALL	503922	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
1274	ALL	503972	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
1275	ALL	504022	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05
1276	ALL	504072	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
1277	ALL	504122	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05
1278	ALL	504172	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
1279	ALL	504222	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
1280	ALL	504272	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05
1281	ALL	504322	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
1282	ALL	504372	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
1283	ALL	504422	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
1284	ALL	504472	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
1285	ALL	504522	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05
1286	ALL	504572	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
1287	ALL	504622	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
1288	ALL	504672	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
1289	ALL	504722	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05
1290	ALL	504772	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05
1291	ALL	504822	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05
1292	ALL	504872	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05
1293	ALL	504922	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05
1294	ALL	504972	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
1295	ALL	505022	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
1296	ALL	505072	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
1297	ALL	505122	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
1298	ALL	505172	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05
1299	ALL	505222	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05
1300	ALL	502222	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1301	ALL	502272	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1302	ALL	502322	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1303	ALL	502372	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1304	ALL	502422	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1305	ALL	502472	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1306	ALL	502522	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1307	ALL	502572	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1308	ALL	502622	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1309	ALL	502672	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1310	ALL	502722	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1311	ALL	502772	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1312	ALL	502822	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1313	ALL	502872	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1314	ALL	502922	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1315	ALL	502972	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1316	ALL	503022	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1317	ALL	503072	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1318	ALL	503122	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1319	ALL	503172	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1320	ALL	503222	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1321	ALL	503272	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
1322	ALL	503322	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1323	ALL	503372	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04

1324	ALL	503422	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
1325	ALL	503472	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
1326	ALL	503622	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
1327	ALL	503672	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
1328	ALL	503722	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1329	ALL	503772	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1330	ALL	503822	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
1331	ALL	503872	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05
1332	ALL	503922	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05
1333	ALL	503972	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
1334	ALL	504022	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
1335	ALL	504072	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
1336	ALL	504122	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05
1337	ALL	504172	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05
1338	ALL	504222	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
1339	ALL	504272	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05
1340	ALL	504322	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05
1341	ALL	504372	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
1342	ALL	504422	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
1343	ALL	504472	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
1344	ALL	504522	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
1345	ALL	504572	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
1346	ALL	504622	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05
1347	ALL	504672	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
1348	ALL	504722	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05
1349	ALL	504772	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
1350	ALL	504822	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
1351	ALL	504872	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
1352	ALL	504922	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
1353	ALL	504972	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05
1354	ALL	505022	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
1355	ALL	505072	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
1356	ALL	505122	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
1357	ALL	505172	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05
1358	ALL	505222	3633126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
1359	ALL	502222	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1360	ALL	502272	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1361	ALL	502322	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1362	ALL	502372	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1363	ALL	502422	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1364	ALL	502472	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1365	ALL	502522	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1366	ALL	502572	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1367	ALL	502622	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1368	ALL	502672	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1369	ALL	502722	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1370	ALL	502772	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1371	ALL	502822	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1372	ALL	502872	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1373	ALL	502922	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1374	ALL	502972	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1375	ALL	503022	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1376	ALL	503072	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04

1377	ALL	503122	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1378	ALL	503172	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1379	ALL	503222	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1380	ALL	503272	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1381	ALL	503322	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1382	ALL	503372	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
1383	ALL	503422	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
1384	ALL	503472	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
1385	ALL	503622	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
1386	ALL	503672	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1387	ALL	503722	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1388	ALL	503772	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1389	ALL	503822	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
1390	ALL	503872	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05
1391	ALL	503922	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05
1392	ALL	503972	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
1393	ALL	504022	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05
1394	ALL	504072	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05
1395	ALL	504122	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
1396	ALL	504172	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05
1397	ALL	504222	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
1398	ALL	504272	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
1399	ALL	504322	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05
1400	ALL	504372	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05
1401	ALL	504422	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05
1402	ALL	504472	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
1403	ALL	504522	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05
1404	ALL	504572	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
1405	ALL	504622	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
1406	ALL	504672	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
1407	ALL	504722	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
1408	ALL	504772	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
1409	ALL	504822	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05
1410	ALL	504872	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
1411	ALL	504922	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
1412	ALL	504972	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
1413	ALL	505022	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
1414	ALL	505072	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
1415	ALL	505122	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05
1416	ALL	505172	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05
1417	ALL	505222	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
1418	ALL	502222	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
1419	ALL	502272	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05
1420	ALL	502322	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1421	ALL	502372	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1422	ALL	502422	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1423	ALL	502472	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1424	ALL	502522	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1425	ALL	502572	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1426	ALL	502622	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1427	ALL	502672	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1428	ALL	502722	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1429	ALL	502772	3633226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04

1430	ALL	502822	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1431	ALL	502872	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1432	ALL	502922	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1433	ALL	502972	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1434	ALL	503022	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1435	ALL	503072	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1436	ALL	503122	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1437	ALL	503172	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1438	ALL	503222	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1439	ALL	503272	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1440	ALL	503322	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1441	ALL	503372	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1442	ALL	503422	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
1443	ALL	503472	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
1444	ALL	503622	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
1445	ALL	503672	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
1446	ALL	503722	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1447	ALL	503772	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1448	ALL	503822	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05
1449	ALL	503872	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05
1450	ALL	503922	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05
1451	ALL	503972	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05
1452	ALL	504022	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
1453	ALL	504072	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
1454	ALL	504122	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05
1455	ALL	504172	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
1456	ALL	504222	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
1457	ALL	504272	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05
1458	ALL	504322	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
1459	ALL	504372	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
1460	ALL	504422	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
1461	ALL	504472	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
1462	ALL	504522	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
1463	ALL	504572	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
1464	ALL	504622	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
1465	ALL	504672	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05
1466	ALL	504722	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05
1467	ALL	504772	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
1468	ALL	504822	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
1469	ALL	504872	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
1470	ALL	504922	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
1471	ALL	504972	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05
1472	ALL	505022	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
1473	ALL	505072	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05
1474	ALL	505122	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
1475	ALL	505172	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
1476	ALL	505222	3633226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
1477	ALL	502222	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05
1478	ALL	502272	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
1479	ALL	502322	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
1480	ALL	502372	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1481	ALL	502422	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1482	ALL	502472	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04

1483	ALL	502522	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1484	ALL	502572	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1485	ALL	502622	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1486	ALL	502672	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1487	ALL	502722	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1488	ALL	502772	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1489	ALL	502822	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1490	ALL	502872	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1491	ALL	502922	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1492	ALL	502972	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1493	ALL	503022	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1494	ALL	503072	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1495	ALL	503122	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1496	ALL	503172	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1497	ALL	503222	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1498	ALL	503272	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1499	ALL	503322	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1500	ALL	503372	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1501	ALL	503422	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
1502	ALL	503472	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
1503	ALL	503622	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
1504	ALL	503672	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1505	ALL	503722	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1506	ALL	503772	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1507	ALL	503822	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05
1508	ALL	503872	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
1509	ALL	503922	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05
1510	ALL	503972	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05
1511	ALL	504022	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
1512	ALL	504072	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05
1513	ALL	504122	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05
1514	ALL	504172	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05
1515	ALL	504222	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05
1516	ALL	504272	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
1517	ALL	504322	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
1518	ALL	504372	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
1519	ALL	504422	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05
1520	ALL	504472	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
1521	ALL	504522	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05
1522	ALL	504572	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05
1523	ALL	504622	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05
1524	ALL	504672	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
1525	ALL	504722	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05
1526	ALL	504772	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05
1527	ALL	504822	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05
1528	ALL	504872	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
1529	ALL	504922	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05
1530	ALL	504972	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
1531	ALL	505022	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05
1532	ALL	505072	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
1533	ALL	505122	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05
1534	ALL	505172	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05
1535	ALL	505222	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05

1536	ALL	502222	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05
1537	ALL	502272	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05
1538	ALL	502322	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
1539	ALL	502372	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1540	ALL	502422	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1541	ALL	502472	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1542	ALL	502522	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1543	ALL	502572	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1544	ALL	502622	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1545	ALL	502672	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1546	ALL	502722	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1547	ALL	502772	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1548	ALL	502822	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1549	ALL	502872	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1550	ALL	502922	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1551	ALL	502972	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1552	ALL	503022	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1553	ALL	503072	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1554	ALL	503122	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1555	ALL	503172	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1556	ALL	503222	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1557	ALL	503272	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1558	ALL	503322	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1559	ALL	503372	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
1560	ALL	503422	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
1561	ALL	503472	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1562	ALL	503622	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
1563	ALL	503672	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1564	ALL	503722	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1565	ALL	503772	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1566	ALL	503822	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
1567	ALL	503872	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05
1568	ALL	503922	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05
1569	ALL	503972	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05
1570	ALL	504022	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05
1571	ALL	504072	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05
1572	ALL	504122	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
1573	ALL	504172	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
1574	ALL	504222	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05
1575	ALL	504272	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05
1576	ALL	504322	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05
1577	ALL	504372	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05
1578	ALL	504422	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
1579	ALL	504472	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
1580	ALL	504522	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05
1581	ALL	504572	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
1582	ALL	504622	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05
1583	ALL	504672	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05
1584	ALL	504722	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
1585	ALL	504772	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
1586	ALL	504822	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
1587	ALL	504872	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
1588	ALL	504922	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05

1589	ALL	504972	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
1590	ALL	505022	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
1591	ALL	505072	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
1592	ALL	505122	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
1593	ALL	505172	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
1594	ALL	505222	3633326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
1595	ALL	502222	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05
1596	ALL	502272	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05
1597	ALL	502322	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05
1598	ALL	502372	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1599	ALL	502422	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1600	ALL	502472	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1601	ALL	502522	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1602	ALL	502572	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1603	ALL	502622	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1604	ALL	502672	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1605	ALL	502722	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1606	ALL	502772	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1607	ALL	502822	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1608	ALL	502872	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1609	ALL	502922	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1610	ALL	502972	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1611	ALL	503022	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1612	ALL	503072	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1613	ALL	503122	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1614	ALL	503172	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1615	ALL	503222	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
1616	ALL	503272	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
1617	ALL	503322	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
1618	ALL	503372	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
1619	ALL	503422	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
1620	ALL	503472	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1621	ALL	503622	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
1622	ALL	503672	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1623	ALL	503722	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1624	ALL	503772	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1625	ALL	503822	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1626	ALL	503872	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1627	ALL	503922	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1628	ALL	503972	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1629	ALL	504022	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1630	ALL	504072	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05
1631	ALL	504122	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05
1632	ALL	504172	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05
1633	ALL	504222	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05
1634	ALL	504272	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05
1635	ALL	504322	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
1636	ALL	504372	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
1637	ALL	504422	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05
1638	ALL	504472	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05
1639	ALL	504522	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
1640	ALL	504572	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05
1641	ALL	504622	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05

1642	ALL	504672	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05
1643	ALL	504722	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
1644	ALL	504772	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
1645	ALL	504822	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
1646	ALL	504872	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
1647	ALL	504922	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
1648	ALL	504972	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05
1649	ALL	505022	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05
1650	ALL	505072	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
1651	ALL	505122	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05
1652	ALL	505172	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
1653	ALL	505222	3633376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
1654	ALL	502222	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05
1655	ALL	502272	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05
1656	ALL	502322	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05
1657	ALL	502372	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05
1658	ALL	502422	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1659	ALL	502472	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1660	ALL	502522	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1661	ALL	502572	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1662	ALL	502622	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1663	ALL	502672	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1664	ALL	502722	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1665	ALL	502772	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1666	ALL	502822	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1667	ALL	502872	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1668	ALL	502922	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1669	ALL	502972	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1670	ALL	503022	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1671	ALL	503072	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
1672	ALL	503122	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1673	ALL	503172	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1674	ALL	503222	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
1675	ALL	503272	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
1676	ALL	503322	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1677	ALL	503372	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
1678	ALL	503422	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
1679	ALL	503472	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
1680	ALL	503622	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
1681	ALL	503672	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
1682	ALL	503722	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1683	ALL	503772	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1684	ALL	503822	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1685	ALL	503872	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1686	ALL	503922	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1687	ALL	503972	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1688	ALL	504022	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1689	ALL	504072	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1690	ALL	504122	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1691	ALL	504172	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
1692	ALL	504222	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05
1693	ALL	504272	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1694	ALL	504322	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04

1695	ALL	504372	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05
1696	ALL	504422	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
1697	ALL	504472	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05
1698	ALL	504522	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
1699	ALL	504572	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05
1700	ALL	504622	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05
1701	ALL	504672	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05
1702	ALL	504722	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05
1703	ALL	504772	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05
1704	ALL	504822	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
1705	ALL	504872	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05
1706	ALL	504922	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05
1707	ALL	504972	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05
1708	ALL	505022	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
1709	ALL	505072	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05
1710	ALL	505122	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05
1711	ALL	505172	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
1712	ALL	505222	3633426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
1713	ALL	502222	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
1714	ALL	502272	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
1715	ALL	502322	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05
1716	ALL	502372	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05
1717	ALL	502422	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1718	ALL	502472	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1719	ALL	502522	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1720	ALL	502572	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1721	ALL	502622	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1722	ALL	502672	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1723	ALL	504772	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05
1724	ALL	504822	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05
1725	ALL	504872	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05
1726	ALL	504922	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
1727	ALL	504972	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
1728	ALL	505022	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
1729	ALL	505072	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05
1730	ALL	505122	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
1731	ALL	505172	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
1732	ALL	505222	3633476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05
1733	ALL	502222	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05
1734	ALL	502272	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
1735	ALL	502322	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05
1736	ALL	502372	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05
1737	ALL	502422	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1738	ALL	502472	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1739	ALL	502522	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1740	ALL	502572	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1741	ALL	502622	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1742	ALL	502672	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1743	ALL	504772	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1744	ALL	504822	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05
1745	ALL	504872	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05
1746	ALL	504922	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
1747	ALL	504972	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05

1748	ALL	505022	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
1749	ALL	505072	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
1750	ALL	505122	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
1751	ALL	505172	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
1752	ALL	505222	3633526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
1753	ALL	502222	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
1754	ALL	502272	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
1755	ALL	502322	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05
1756	ALL	502372	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05
1757	ALL	502422	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1758	ALL	502472	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1759	ALL	502522	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1760	ALL	502572	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1761	ALL	502622	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1762	ALL	502672	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1763	ALL	504772	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1764	ALL	504822	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1765	ALL	504872	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1766	ALL	504922	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1767	ALL	504972	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05
1768	ALL	505022	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05
1769	ALL	505072	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05
1770	ALL	505122	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05
1771	ALL	505172	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05
1772	ALL	505222	3633576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05
1773	ALL	502222	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05
1774	ALL	502272	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05
1775	ALL	502322	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05
1776	ALL	502372	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1777	ALL	502422	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1778	ALL	502472	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1779	ALL	502522	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1780	ALL	502572	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1781	ALL	502622	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1782	ALL	502672	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1783	ALL	504772	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1784	ALL	504822	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1785	ALL	504872	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1786	ALL	504922	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1787	ALL	504972	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1788	ALL	505022	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1789	ALL	505072	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05
1790	ALL	505122	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
1791	ALL	505172	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05
1792	ALL	505222	3633626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
1793	ALL	502222	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05
1794	ALL	502272	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05
1795	ALL	502322	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05
1796	ALL	502372	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1797	ALL	502422	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1798	ALL	502472	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1799	ALL	502522	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1800	ALL	502572	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04

1801	ALL	502622	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1802	ALL	502672	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1803	ALL	504772	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1804	ALL	504822	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1805	ALL	504872	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1806	ALL	504922	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1807	ALL	504972	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1808	ALL	505022	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1809	ALL	505072	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05
1810	ALL	505122	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05
1811	ALL	505172	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
1812	ALL	505222	3633676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05
1813	ALL	502222	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
1814	ALL	502272	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05
1815	ALL	502322	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05
1816	ALL	502372	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1817	ALL	502422	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1818	ALL	502472	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1819	ALL	502522	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1820	ALL	502572	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1821	ALL	502622	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1822	ALL	502672	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1823	ALL	504772	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1824	ALL	504822	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1825	ALL	504872	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1826	ALL	504922	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1827	ALL	504972	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1828	ALL	505022	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1829	ALL	505072	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05
1830	ALL	505122	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
1831	ALL	505172	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
1832	ALL	505222	3633726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
1833	ALL	502222	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05
1834	ALL	502272	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
1835	ALL	502322	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05
1836	ALL	502372	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1837	ALL	502422	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1838	ALL	502472	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1839	ALL	502522	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1840	ALL	502572	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1841	ALL	502622	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1842	ALL	502672	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1843	ALL	504772	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1844	ALL	504822	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1845	ALL	504872	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1846	ALL	504922	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1847	ALL	504972	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1848	ALL	505022	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1849	ALL	505072	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1850	ALL	505122	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05
1851	ALL	505172	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
1852	ALL	505222	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05
1853	ALL	502222	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05

1854	ALL	502272	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05
1855	ALL	502322	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05
1856	ALL	502372	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1857	ALL	502422	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1858	ALL	502472	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1859	ALL	502522	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1860	ALL	502572	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1861	ALL	502622	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1862	ALL	502672	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1863	ALL	504772	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1864	ALL	504822	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1865	ALL	504872	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1866	ALL	504922	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1867	ALL	504972	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1868	ALL	505022	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1869	ALL	505072	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1870	ALL	505122	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05
1871	ALL	505172	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05
1872	ALL	505222	3633826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
1873	ALL	502222	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05
1874	ALL	502272	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05
1875	ALL	502322	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1876	ALL	502372	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1877	ALL	502422	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1878	ALL	502472	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1879	ALL	502522	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1880	ALL	502572	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1881	ALL	502622	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1882	ALL	502672	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1883	ALL	504772	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
1884	ALL	504822	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1885	ALL	504872	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1886	ALL	504922	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1887	ALL	504972	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1888	ALL	505022	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1889	ALL	505072	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1890	ALL	505122	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05
1891	ALL	505172	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05
1892	ALL	505222	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
1893	ALL	502222	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05
1894	ALL	502272	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05
1895	ALL	502322	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1896	ALL	502372	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1897	ALL	502422	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1898	ALL	502472	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1899	ALL	502522	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1900	ALL	502572	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1901	ALL	502622	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1902	ALL	502672	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1903	ALL	504772	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
1904	ALL	504822	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1905	ALL	504872	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1906	ALL	504922	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04

1907	ALL	504972	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1908	ALL	505022	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1909	ALL	505072	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1910	ALL	505122	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05
1911	ALL	505172	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05
1912	ALL	505222	3633926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
1913	ALL	502222	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
1914	ALL	502272	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
1915	ALL	502322	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1916	ALL	502372	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1917	ALL	502422	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1918	ALL	502472	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1919	ALL	502522	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1920	ALL	502572	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1921	ALL	502622	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1922	ALL	502672	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1923	ALL	504772	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
1924	ALL	504822	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1925	ALL	504872	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1926	ALL	504922	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1927	ALL	504972	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1928	ALL	505022	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1929	ALL	505072	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1930	ALL	505122	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
1931	ALL	505172	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
1932	ALL	505222	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05
1933	ALL	502222	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05
1934	ALL	502272	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05
1935	ALL	502322	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1936	ALL	502372	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1937	ALL	502422	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1938	ALL	502472	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1939	ALL	502522	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1940	ALL	502572	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1941	ALL	502622	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1942	ALL	502672	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1943	ALL	504772	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
1944	ALL	504822	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1945	ALL	504872	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1946	ALL	504922	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1947	ALL	504972	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1948	ALL	505022	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1949	ALL	505072	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1950	ALL	505122	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05
1951	ALL	505172	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05
1952	ALL	505222	3634026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05
1953	ALL	502222	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
1954	ALL	502272	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05
1955	ALL	502322	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1956	ALL	502372	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1957	ALL	502422	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1958	ALL	502472	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1959	ALL	502522	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04

1960	ALL	502572	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1961	ALL	502622	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1962	ALL	502672	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1963	ALL	504772	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
1964	ALL	504822	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1965	ALL	504872	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1966	ALL	504922	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1967	ALL	504972	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1968	ALL	505022	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1969	ALL	505072	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05
1970	ALL	505122	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05
1971	ALL	505172	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
1972	ALL	505222	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
1973	ALL	502222	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05
1974	ALL	502272	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
1975	ALL	502322	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1976	ALL	502372	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1977	ALL	502422	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1978	ALL	502472	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1979	ALL	502522	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1980	ALL	502572	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1981	ALL	502622	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1982	ALL	502672	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1983	ALL	504772	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1984	ALL	504822	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1985	ALL	504872	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1986	ALL	504922	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1987	ALL	504972	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1988	ALL	505022	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1989	ALL	505072	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05
1990	ALL	505122	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05
1991	ALL	505172	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
1992	ALL	505222	3634126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05
1993	ALL	502222	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05
1994	ALL	502272	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05
1995	ALL	502322	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1996	ALL	502372	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1997	ALL	502422	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1998	ALL	502472	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1999	ALL	502522	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2000	ALL	502572	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2001	ALL	502622	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
2002	ALL	502672	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2003	ALL	504772	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2004	ALL	504822	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2005	ALL	504872	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2006	ALL	504922	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2007	ALL	504972	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2008	ALL	505022	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2009	ALL	505072	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05
2010	ALL	505122	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05
2011	ALL	505172	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
2012	ALL	505222	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05

2013	ALL	502222	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05
2014	ALL	502272	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
2015	ALL	502322	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2016	ALL	502372	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2017	ALL	502422	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2018	ALL	502472	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2019	ALL	502522	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2020	ALL	502572	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2021	ALL	502622	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2022	ALL	502672	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2023	ALL	504772	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2024	ALL	504822	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2025	ALL	504872	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2026	ALL	504922	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2027	ALL	504972	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2028	ALL	505022	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05
2029	ALL	505072	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
2030	ALL	505122	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05
2031	ALL	505172	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
2032	ALL	505222	3634226	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05
2033	ALL	502222	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05
2034	ALL	502272	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05
2035	ALL	502322	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2036	ALL	502372	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2037	ALL	502422	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2038	ALL	502472	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2039	ALL	502522	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2040	ALL	502572	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2041	ALL	502622	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2042	ALL	502672	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
2043	ALL	504772	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2044	ALL	504822	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2045	ALL	504872	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2046	ALL	504922	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2047	ALL	504972	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2048	ALL	505022	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05
2049	ALL	505072	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05
2050	ALL	505122	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05
2051	ALL	505172	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
2052	ALL	505222	3634276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05
2053	ALL	502222	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05
2054	ALL	502272	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2055	ALL	502322	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2056	ALL	502372	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2057	ALL	502422	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2058	ALL	502472	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2059	ALL	502522	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2060	ALL	502572	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2061	ALL	502622	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
2062	ALL	502672	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
2063	ALL	504772	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2064	ALL	504822	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2065	ALL	504872	3634326	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04

2066	ALL	504922	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2067	ALL	504972	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2068	ALL	505022	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05
2069	ALL	505072	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05
2070	ALL	505122	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05
2071	ALL	505172	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
2072	ALL	505222	3634326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
2073	ALL	502222	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05
2074	ALL	502272	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2075	ALL	502322	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2076	ALL	502372	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2077	ALL	502422	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2078	ALL	502472	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2079	ALL	502522	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2080	ALL	502572	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2081	ALL	502622	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2082	ALL	502672	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2083	ALL	504772	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2084	ALL	504822	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2085	ALL	504872	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2086	ALL	504922	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2087	ALL	504972	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2088	ALL	505022	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2089	ALL	505072	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05
2090	ALL	505122	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05
2091	ALL	505172	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
2092	ALL	505222	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05
2093	ALL	502222	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05
2094	ALL	502272	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2095	ALL	502322	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2096	ALL	502372	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2097	ALL	502422	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2098	ALL	502472	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2099	ALL	502522	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2100	ALL	502572	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2101	ALL	502622	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2102	ALL	502672	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
2103	ALL	504772	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2104	ALL	504822	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2105	ALL	504872	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2106	ALL	504922	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2107	ALL	504972	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2108	ALL	505022	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2109	ALL	505072	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2110	ALL	505122	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2111	ALL	505172	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05
2112	ALL	505222	3634426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
2113	ALL	502222	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05
2114	ALL	502272	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2115	ALL	502322	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2116	ALL	502372	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2117	ALL	502422	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2118	ALL	502472	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04

2119	ALL	502522	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2120	ALL	502572	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2121	ALL	502622	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2122	ALL	502672	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
2123	ALL	504772	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2124	ALL	504822	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2125	ALL	504872	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2126	ALL	504922	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2127	ALL	504972	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2128	ALL	505022	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2129	ALL	505072	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2130	ALL	505122	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2131	ALL	505172	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
2132	ALL	505222	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05
2133	ALL	502222	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05
2134	ALL	502272	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2135	ALL	502322	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2136	ALL	502372	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2137	ALL	502422	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2138	ALL	502472	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2139	ALL	502522	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2140	ALL	502572	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2141	ALL	502622	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2142	ALL	502672	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
2143	ALL	504772	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2144	ALL	504822	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2145	ALL	504872	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2146	ALL	504922	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2147	ALL	504972	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2148	ALL	505022	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2149	ALL	505072	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2150	ALL	505122	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2151	ALL	505172	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2152	ALL	505222	3634526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05
2153	ALL	502222	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05
2154	ALL	502272	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2155	ALL	502322	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2156	ALL	502372	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2157	ALL	502422	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2158	ALL	502472	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2159	ALL	502522	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2160	ALL	502572	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2161	ALL	502622	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2162	ALL	502672	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
2163	ALL	504772	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2164	ALL	504822	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2165	ALL	504872	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
2166	ALL	504922	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
2167	ALL	504972	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
2168	ALL	505022	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2169	ALL	505072	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2170	ALL	505122	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2171	ALL	505172	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04

2172	ALL	505222	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
2173	ALL	502222	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05
2174	ALL	502272	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2175	ALL	502322	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2176	ALL	502372	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2177	ALL	502422	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2178	ALL	502472	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2179	ALL	502522	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2180	ALL	502572	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2181	ALL	502622	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2182	ALL	502672	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2183	ALL	504772	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
2184	ALL	504822	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
2185	ALL	504872	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
2186	ALL	504922	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2187	ALL	504972	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2188	ALL	505022	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2189	ALL	505072	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2190	ALL	505122	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2191	ALL	505172	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05
2192	ALL	505222	3634626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
2193	ALL	502222	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05
2194	ALL	502272	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2195	ALL	502322	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2196	ALL	502372	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2197	ALL	502422	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2198	ALL	502472	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2199	ALL	502522	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2200	ALL	502572	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2201	ALL	502622	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
2202	ALL	502672	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
2203	ALL	504772	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
2204	ALL	504822	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
2205	ALL	504872	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
2206	ALL	504922	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
2207	ALL	504972	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
2208	ALL	505022	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2209	ALL	505072	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2210	ALL	505122	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2211	ALL	505172	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05
2212	ALL	505222	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05
2213	ALL	502222	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05
2214	ALL	502272	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05
2215	ALL	502322	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2216	ALL	502372	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2217	ALL	502422	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2218	ALL	502472	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2219	ALL	502522	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2220	ALL	502572	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2221	ALL	502622	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2222	ALL	502672	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2223	ALL	504772	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
2224	ALL	504822	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04

2225	ALL	504872	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2226	ALL	504922	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
2227	ALL	504972	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2228	ALL	505022	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2229	ALL	505072	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2230	ALL	505122	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2231	ALL	505172	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05
2232	ALL	505222	3634726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
2233	ALL	502222	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05
2234	ALL	502272	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05
2235	ALL	502322	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2236	ALL	502372	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2237	ALL	502422	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2238	ALL	502472	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2239	ALL	502522	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2240	ALL	502572	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2241	ALL	502622	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2242	ALL	502672	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2243	ALL	504772	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
2244	ALL	504822	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
2245	ALL	504872	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
2246	ALL	504922	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
2247	ALL	504972	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2248	ALL	505022	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2249	ALL	505072	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2250	ALL	505122	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2251	ALL	505172	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05
2252	ALL	505222	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05
2253	ALL	502222	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05
2254	ALL	502272	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05
2255	ALL	502322	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2256	ALL	502372	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2257	ALL	502422	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2258	ALL	502472	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2259	ALL	502522	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2260	ALL	502572	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2261	ALL	502622	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2262	ALL	502672	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2263	ALL	504772	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
2264	ALL	504822	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
2265	ALL	504872	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2266	ALL	504922	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
2267	ALL	504972	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2268	ALL	505022	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2269	ALL	505072	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2270	ALL	505122	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05
2271	ALL	505172	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05
2272	ALL	505222	3634826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
2273	ALL	502222	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05
2274	ALL	502272	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05
2275	ALL	502322	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2276	ALL	502372	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2277	ALL	502422	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04

2278	ALL	502472	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2279	ALL	502522	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2280	ALL	502572	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2281	ALL	502622	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2282	ALL	502672	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2283	ALL	504772	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
2284	ALL	504822	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
2285	ALL	504872	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2286	ALL	504922	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2287	ALL	504972	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2288	ALL	505022	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
2289	ALL	505072	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
2290	ALL	505122	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
2291	ALL	505172	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05
2292	ALL	505222	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05
2293	ALL	502222	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05
2294	ALL	502272	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05
2295	ALL	502322	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05
2296	ALL	502372	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2297	ALL	502422	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2298	ALL	502472	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2299	ALL	502522	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2300	ALL	502572	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2301	ALL	502622	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2302	ALL	502672	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2303	ALL	504772	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
2304	ALL	504822	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
2305	ALL	504872	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
2306	ALL	504922	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2307	ALL	504972	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2308	ALL	505022	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05
2309	ALL	505072	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05
2310	ALL	505122	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05
2311	ALL	505172	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05
2312	ALL	505222	3634926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
2313	ALL	502222	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
2314	ALL	502272	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05
2315	ALL	502322	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
2316	ALL	502372	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2317	ALL	502422	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2318	ALL	502472	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2319	ALL	502522	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2320	ALL	502572	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2321	ALL	502622	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2322	ALL	502672	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2323	ALL	504822	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
2324	ALL	504872	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
2325	ALL	504922	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2326	ALL	504972	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2327	ALL	505022	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
2328	ALL	505072	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05
2329	ALL	505122	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05
2330	ALL	505172	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05

2331	ALL	505222	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
2332	ALL	502222	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05
2333	ALL	502272	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05
2334	ALL	502322	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
2335	ALL	502372	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
2336	ALL	502422	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2337	ALL	502472	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2338	ALL	502522	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2339	ALL	502572	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2340	ALL	502622	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2341	ALL	502672	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2342	ALL	504872	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
2343	ALL	504922	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2344	ALL	504972	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2345	ALL	505022	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2346	ALL	505072	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05
2347	ALL	505122	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05
2348	ALL	505172	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05
2349	ALL	505222	3635026	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05
2350	ALL	502222	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05
2351	ALL	502272	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
2352	ALL	502322	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05
2353	ALL	502372	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
2354	ALL	502422	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2355	ALL	502472	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2356	ALL	502522	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2357	ALL	502572	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2358	ALL	502622	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2359	ALL	502672	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2360	ALL	504922	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
2361	ALL	504972	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2362	ALL	505022	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2363	ALL	505072	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2364	ALL	505122	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2365	ALL	505172	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2366	ALL	505222	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
2367	ALL	502222	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
2368	ALL	502272	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05
2369	ALL	502322	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05
2370	ALL	502372	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
2371	ALL	502422	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05
2372	ALL	502472	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2373	ALL	502522	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2374	ALL	502572	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2375	ALL	502622	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2376	ALL	502672	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2377	ALL	505022	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2378	ALL	505072	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2379	ALL	505122	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2380	ALL	505172	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2381	ALL	505222	3635126	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2382	ALL	502222	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05
2383	ALL	502272	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05

2384	ALL	502322	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05
2385	ALL	502372	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05
2386	ALL	502422	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05
2387	ALL	502472	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
2388	ALL	502522	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2389	ALL	502572	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2390	ALL	502622	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2391	ALL	502672	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2392	ALL	505122	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2393	ALL	505172	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2394	ALL	505222	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2395	ALL	502222	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05
2396	ALL	502272	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05
2397	ALL	502322	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
2398	ALL	502372	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
2399	ALL	502422	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
2400	ALL	502472	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05
2401	ALL	502522	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2402	ALL	502572	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2403	ALL	502622	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2404	ALL	502672	3635226	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2405	ALL	502222	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05
2406	ALL	502272	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05
2407	ALL	502322	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05
2408	ALL	502372	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05
2409	ALL	502422	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
2410	ALL	502472	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05
2411	ALL	502522	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05
2412	ALL	502572	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2413	ALL	502622	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2414	ALL	502672	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2415	ALL	502222	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
2416	ALL	502272	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05
2417	ALL	502322	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
2418	ALL	502372	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
2419	ALL	502422	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05
2420	ALL	502472	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
2421	ALL	502522	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05
2422	ALL	502572	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2423	ALL	502622	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2424	ALL	502672	3635326	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2425	ALL	502222	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
2426	ALL	502272	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
2427	ALL	502322	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
2428	ALL	502372	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
2429	ALL	502422	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05
2430	ALL	502472	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05
2431	ALL	502522	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
2432	ALL	502572	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
2433	ALL	502622	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2434	ALL	502672	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2435	ALL	502222	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05
2436	ALL	502272	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05

2437	ALL	502322	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
2438	ALL	502372	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05
2439	ALL	502422	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05
2440	ALL	502472	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05
2441	ALL	502522	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05
2442	ALL	502572	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05
2443	ALL	502622	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05
2444	ALL	502672	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
2445	ALL	504772	3635426	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2446	ALL	502222	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
2447	ALL	502272	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05
2448	ALL	502322	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05
2449	ALL	502372	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
2450	ALL	502422	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
2451	ALL	502472	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
2452	ALL	502522	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05
2453	ALL	502572	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05
2454	ALL	502622	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05
2455	ALL	502672	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05
2456	ALL	504772	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2457	ALL	504822	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2458	ALL	504872	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2459	ALL	504922	3635476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2460	ALL	502222	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
2461	ALL	502272	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05
2462	ALL	502322	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
2463	ALL	502372	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05
2464	ALL	502422	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
2465	ALL	502472	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05
2466	ALL	502522	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05
2467	ALL	502572	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05
2468	ALL	502622	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
2469	ALL	502672	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05
2470	ALL	502722	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05
2471	ALL	502772	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05
2472	ALL	502822	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2473	ALL	502872	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2474	ALL	502922	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2475	ALL	502972	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2476	ALL	503022	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2477	ALL	503072	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2478	ALL	503122	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2479	ALL	503172	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2480	ALL	503222	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2481	ALL	503272	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2482	ALL	503322	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2483	ALL	503372	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2484	ALL	503422	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
2485	ALL	503472	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2486	ALL	503522	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2487	ALL	503572	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
2488	ALL	503622	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
2489	ALL	503672	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04

2490	ALL	503722	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
2491	ALL	503772	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2492	ALL	503822	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
2493	ALL	503872	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
2494	ALL	503922	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
2495	ALL	503972	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
2496	ALL	504022	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2497	ALL	504072	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
2498	ALL	504122	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
2499	ALL	504172	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2500	ALL	504222	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
2501	ALL	504272	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
2502	ALL	504322	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2503	ALL	504372	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2504	ALL	504422	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2505	ALL	504472	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2506	ALL	504522	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2507	ALL	504572	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2508	ALL	504622	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2509	ALL	504672	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2510	ALL	504722	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2511	ALL	504772	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2512	ALL	504822	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2513	ALL	504872	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2514	ALL	504922	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2515	ALL	504972	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2516	ALL	505022	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05
2517	ALL	505072	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05
2518	ALL	505122	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05
2519	ALL	505172	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
2520	ALL	505222	3635526	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05
2521	ALL	502222	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05
2522	ALL	502272	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
2523	ALL	502322	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05
2524	ALL	502372	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05
2525	ALL	502422	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05
2526	ALL	502472	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
2527	ALL	502522	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05
2528	ALL	502572	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
2529	ALL	502622	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05
2530	ALL	502672	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05
2531	ALL	502722	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
2532	ALL	502772	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05
2533	ALL	502822	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05
2534	ALL	502872	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2535	ALL	502922	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2536	ALL	502972	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2537	ALL	503022	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2538	ALL	503072	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2539	ALL	503122	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2540	ALL	503172	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2541	ALL	503222	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2542	ALL	503272	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04

2543	ALL	503322	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2544	ALL	503372	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2545	ALL	503422	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2546	ALL	503472	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2547	ALL	503522	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2548	ALL	503572	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
2549	ALL	503622	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
2550	ALL	503672	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
2551	ALL	503722	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2552	ALL	503772	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2553	ALL	503822	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
2554	ALL	503872	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2555	ALL	503922	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
2556	ALL	503972	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
2557	ALL	504022	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2558	ALL	504072	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
2559	ALL	504122	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2560	ALL	504172	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
2561	ALL	504222	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2562	ALL	504272	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2563	ALL	504322	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2564	ALL	504372	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2565	ALL	504422	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2566	ALL	504472	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2567	ALL	504522	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2568	ALL	504572	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2569	ALL	504622	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2570	ALL	504672	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2571	ALL	504722	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2572	ALL	504772	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2573	ALL	504822	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2574	ALL	504872	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2575	ALL	504922	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2576	ALL	504972	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
2577	ALL	505022	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05
2578	ALL	505072	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05
2579	ALL	505122	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05
2580	ALL	505172	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05
2581	ALL	505222	3635576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
2582	ALL	502222	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
2583	ALL	502272	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05
2584	ALL	502322	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
2585	ALL	502372	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
2586	ALL	502422	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
2587	ALL	502472	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
2588	ALL	502522	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05
2589	ALL	502572	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05
2590	ALL	502622	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05
2591	ALL	502672	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05
2592	ALL	502722	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05
2593	ALL	502772	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05
2594	ALL	502822	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05
2595	ALL	502872	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05

2596	ALL	502922	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2597	ALL	502972	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2598	ALL	503022	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2599	ALL	503072	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2600	ALL	503122	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2601	ALL	503172	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2602	ALL	503222	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2603	ALL	503272	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2604	ALL	503322	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2605	ALL	503372	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2606	ALL	503422	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2607	ALL	503472	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2608	ALL	503522	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2609	ALL	503572	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
2610	ALL	503622	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
2611	ALL	503672	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2612	ALL	503722	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2613	ALL	503772	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2614	ALL	503822	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2615	ALL	503872	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2616	ALL	503922	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2617	ALL	503972	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2618	ALL	504022	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2619	ALL	504072	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2620	ALL	504122	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2621	ALL	504172	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
2622	ALL	504222	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2623	ALL	504272	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2624	ALL	504322	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2625	ALL	504372	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2626	ALL	504422	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2627	ALL	504472	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2628	ALL	504522	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2629	ALL	504572	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2630	ALL	504622	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2631	ALL	504672	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2632	ALL	504722	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2633	ALL	504772	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2634	ALL	504822	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2635	ALL	504872	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2636	ALL	504922	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05
2637	ALL	504972	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05
2638	ALL	505022	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05
2639	ALL	505072	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05
2640	ALL	505122	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05
2641	ALL	505172	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05
2642	ALL	505222	3635626	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05
2643	ALL	502222	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
2644	ALL	502272	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
2645	ALL	502322	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
2646	ALL	502372	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05
2647	ALL	502422	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05
2648	ALL	502472	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05

2649	ALL	502522	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05
2650	ALL	502572	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
2651	ALL	502622	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05
2652	ALL	502672	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05
2653	ALL	502722	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05
2654	ALL	502772	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05
2655	ALL	502822	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05
2656	ALL	502872	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05
2657	ALL	502922	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05
2658	ALL	502972	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05
2659	ALL	503022	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2660	ALL	503072	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2661	ALL	503122	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2662	ALL	503172	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2663	ALL	503222	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2664	ALL	503272	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2665	ALL	503322	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2666	ALL	503372	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2667	ALL	503422	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2668	ALL	503472	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2669	ALL	503522	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2670	ALL	503572	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2671	ALL	503622	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2672	ALL	503672	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2673	ALL	503722	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2674	ALL	503772	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2675	ALL	503822	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2676	ALL	503872	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2677	ALL	503922	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2678	ALL	503972	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2679	ALL	504022	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2680	ALL	504072	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2681	ALL	504122	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2682	ALL	504172	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2683	ALL	504222	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2684	ALL	504272	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2685	ALL	504322	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2686	ALL	504372	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2687	ALL	504422	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2688	ALL	504472	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2689	ALL	504522	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2690	ALL	504572	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2691	ALL	504622	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2692	ALL	504672	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2693	ALL	504722	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2694	ALL	504772	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2695	ALL	504822	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2696	ALL	504872	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05
2697	ALL	504922	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05
2698	ALL	504972	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05
2699	ALL	505022	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
2700	ALL	505072	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05
2701	ALL	505122	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05

2702	ALL	505172	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
2703	ALL	505222	3635676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05
2704	ALL	502222	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
2705	ALL	502272	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05
2706	ALL	502322	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
2707	ALL	502372	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05
2708	ALL	502422	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
2709	ALL	502472	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05
2710	ALL	502522	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05
2711	ALL	502572	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
2712	ALL	502622	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05
2713	ALL	502672	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05
2714	ALL	502722	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05
2715	ALL	502772	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05
2716	ALL	502822	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05
2717	ALL	502872	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05
2718	ALL	502922	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05
2719	ALL	502972	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05
2720	ALL	503022	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05
2721	ALL	503072	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2722	ALL	503122	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2723	ALL	503172	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2724	ALL	503222	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2725	ALL	503272	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2726	ALL	503322	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2727	ALL	503372	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2728	ALL	503422	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2729	ALL	503472	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2730	ALL	503522	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2731	ALL	503572	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2732	ALL	503622	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2733	ALL	503672	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2734	ALL	503722	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2735	ALL	503772	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2736	ALL	503822	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2737	ALL	503872	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2738	ALL	503922	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2739	ALL	503972	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2740	ALL	504022	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2741	ALL	504072	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2742	ALL	504122	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2743	ALL	504172	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2744	ALL	504222	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2745	ALL	504272	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2746	ALL	504322	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2747	ALL	504372	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2748	ALL	504422	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2749	ALL	504472	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2750	ALL	504522	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2751	ALL	504572	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2752	ALL	504622	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2753	ALL	504672	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2754	ALL	504722	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04

2755	ALL	504772	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05
2756	ALL	504822	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
2757	ALL	504872	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
2758	ALL	504922	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
2759	ALL	504972	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
2760	ALL	505022	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05
2761	ALL	505072	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05
2762	ALL	505122	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05
2763	ALL	505172	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
2764	ALL	505222	3635726	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
2765	ALL	502222	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
2766	ALL	502272	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05
2767	ALL	502322	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05
2768	ALL	502372	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
2769	ALL	502422	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05
2770	ALL	502472	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
2771	ALL	502522	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
2772	ALL	502572	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05
2773	ALL	502622	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05
2774	ALL	502672	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
2775	ALL	502722	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05
2776	ALL	502772	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
2777	ALL	502822	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05
2778	ALL	502872	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05
2779	ALL	502922	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05
2780	ALL	502972	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05
2781	ALL	503022	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
2782	ALL	503072	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05
2783	ALL	503122	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05
2784	ALL	503172	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2785	ALL	503222	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2786	ALL	503272	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2787	ALL	503322	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2788	ALL	503372	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2789	ALL	503422	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2790	ALL	503472	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2791	ALL	503522	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2792	ALL	503572	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2793	ALL	503622	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2794	ALL	503672	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2795	ALL	503722	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2796	ALL	503772	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2797	ALL	503822	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2798	ALL	503872	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2799	ALL	503922	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2800	ALL	503972	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2801	ALL	504022	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2802	ALL	504072	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2803	ALL	504122	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2804	ALL	504172	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2805	ALL	504222	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2806	ALL	504272	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2807	ALL	504322	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04

2808	ALL	504372	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2809	ALL	504422	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2810	ALL	504472	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2811	ALL	504522	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2812	ALL	504572	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2813	ALL	504622	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2814	ALL	504672	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2815	ALL	504722	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
2816	ALL	504772	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
2817	ALL	504822	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05
2818	ALL	504872	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
2819	ALL	504922	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05
2820	ALL	504972	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
2821	ALL	505022	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05
2822	ALL	505072	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05
2823	ALL	505122	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
2824	ALL	505172	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
2825	ALL	505222	3635776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05
2826	ALL	502222	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05
2827	ALL	502272	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
2828	ALL	502322	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05
2829	ALL	502372	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
2830	ALL	502422	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
2831	ALL	502472	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05
2832	ALL	502522	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
2833	ALL	502572	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05
2834	ALL	502622	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05
2835	ALL	502672	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
2836	ALL	502722	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
2837	ALL	502772	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05
2838	ALL	502822	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05
2839	ALL	502872	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
2840	ALL	502922	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05
2841	ALL	502972	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05
2842	ALL	503022	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05
2843	ALL	503072	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05
2844	ALL	503122	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
2845	ALL	503172	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05
2846	ALL	503222	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05
2847	ALL	503272	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05
2848	ALL	503322	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05
2849	ALL	503372	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2850	ALL	503422	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2851	ALL	503472	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2852	ALL	503522	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2853	ALL	503572	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2854	ALL	503622	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2855	ALL	503672	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2856	ALL	503722	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2857	ALL	503772	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2858	ALL	503822	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2859	ALL	503872	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2860	ALL	503922	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04

2861	ALL	503972	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2862	ALL	504022	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2863	ALL	504072	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2864	ALL	504122	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2865	ALL	504172	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2866	ALL	504222	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2867	ALL	504272	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2868	ALL	504322	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2869	ALL	504372	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2870	ALL	504422	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2871	ALL	504472	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2872	ALL	504522	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2873	ALL	504572	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2874	ALL	504622	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2875	ALL	504672	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
2876	ALL	504722	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05
2877	ALL	504772	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05
2878	ALL	504822	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05
2879	ALL	504872	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
2880	ALL	504922	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05
2881	ALL	504972	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05
2882	ALL	505022	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05
2883	ALL	505072	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
2884	ALL	505122	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
2885	ALL	505172	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05
2886	ALL	505222	3635826	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05
2887	ALL	502222	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
2888	ALL	502272	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
2889	ALL	502322	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05
2890	ALL	502372	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
2891	ALL	502422	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05
2892	ALL	502472	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
2893	ALL	502522	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
2894	ALL	502572	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
2895	ALL	502622	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05
2896	ALL	502672	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05
2897	ALL	502722	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
2898	ALL	502772	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05
2899	ALL	502822	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05
2900	ALL	502872	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05
2901	ALL	502922	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05
2902	ALL	502972	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05
2903	ALL	503022	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05
2904	ALL	503072	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05
2905	ALL	503122	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05
2906	ALL	503172	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05
2907	ALL	503222	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05
2908	ALL	503272	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
2909	ALL	503322	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05
2910	ALL	503372	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2911	ALL	503422	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2912	ALL	503472	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2913	ALL	503522	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04

2914	ALL	503572	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2915	ALL	503622	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2916	ALL	503672	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2917	ALL	503722	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2918	ALL	503772	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2919	ALL	503822	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2920	ALL	503872	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2921	ALL	503922	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2922	ALL	503972	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2923	ALL	504022	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2924	ALL	504072	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2925	ALL	504122	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2926	ALL	504172	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2927	ALL	504222	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2928	ALL	504272	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2929	ALL	504322	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2930	ALL	504372	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2931	ALL	504422	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2932	ALL	504472	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2933	ALL	504522	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2934	ALL	504572	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05
2935	ALL	504622	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05
2936	ALL	504672	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05
2937	ALL	504722	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05
2938	ALL	504772	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05
2939	ALL	504822	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05
2940	ALL	504872	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
2941	ALL	504922	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05
2942	ALL	504972	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05
2943	ALL	505022	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
2944	ALL	505072	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
2945	ALL	505122	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05
2946	ALL	505172	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05
2947	ALL	505222	3635876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
2948	ALL	502222	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05
2949	ALL	502272	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05
2950	ALL	502322	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
2951	ALL	502372	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05
2952	ALL	502422	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
2953	ALL	502472	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05
2954	ALL	502522	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05
2955	ALL	502572	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
2956	ALL	502622	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05
2957	ALL	502672	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
2958	ALL	502722	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
2959	ALL	502772	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
2960	ALL	502822	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05
2961	ALL	502872	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05
2962	ALL	502922	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05
2963	ALL	502972	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05
2964	ALL	503022	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05
2965	ALL	503072	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
2966	ALL	503122	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05

2967	ALL	503172	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05
2968	ALL	503222	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
2969	ALL	503272	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05
2970	ALL	503322	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
2971	ALL	503372	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05
2972	ALL	503422	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
2973	ALL	503472	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05
2974	ALL	503522	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05
2975	ALL	503572	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2976	ALL	503622	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2977	ALL	503672	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2978	ALL	503722	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2979	ALL	503772	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2980	ALL	503822	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2981	ALL	503872	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2982	ALL	503922	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2983	ALL	503972	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2984	ALL	504022	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2985	ALL	504072	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2986	ALL	504122	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2987	ALL	504172	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2988	ALL	504222	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2989	ALL	504272	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2990	ALL	504322	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2991	ALL	504372	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2992	ALL	504422	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2993	ALL	504472	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2994	ALL	504522	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2995	ALL	504572	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05
2996	ALL	504622	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
2997	ALL	504672	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
2998	ALL	504722	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05
2999	ALL	504772	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05
3000	ALL	504822	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05
3001	ALL	504872	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
3002	ALL	504922	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05
3003	ALL	504972	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
3004	ALL	505022	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05
3005	ALL	505072	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
3006	ALL	505122	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
3007	ALL	505172	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05
3008	ALL	505222	3635926	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
3009	ALL	502222	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
3010	ALL	502272	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
3011	ALL	502322	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05
3012	ALL	502372	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
3013	ALL	502422	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
3014	ALL	502472	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
3015	ALL	502522	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
3016	ALL	502572	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05
3017	ALL	502622	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
3018	ALL	502672	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
3019	ALL	502722	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05

3020	ALL	502772	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05
3021	ALL	502822	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
3022	ALL	502872	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
3023	ALL	502922	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05
3024	ALL	502972	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05
3025	ALL	503022	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
3026	ALL	503072	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05
3027	ALL	503122	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05
3028	ALL	503172	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05
3029	ALL	503222	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
3030	ALL	503272	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05
3031	ALL	503322	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
3032	ALL	503372	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05
3033	ALL	503422	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05
3034	ALL	503472	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05
3035	ALL	503522	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
3036	ALL	503572	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
3037	ALL	503622	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
3038	ALL	503672	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
3039	ALL	503722	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
3040	ALL	503772	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
3041	ALL	503822	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
3042	ALL	503872	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
3043	ALL	503922	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
3044	ALL	503972	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
3045	ALL	504022	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
3046	ALL	504072	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
3047	ALL	504122	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
3048	ALL	504172	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
3049	ALL	504222	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
3050	ALL	504272	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
3051	ALL	504322	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
3052	ALL	504372	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
3053	ALL	504422	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
3054	ALL	504472	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
3055	ALL	504522	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
3056	ALL	504572	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05
3057	ALL	504622	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05
3058	ALL	504672	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
3059	ALL	504722	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05
3060	ALL	504772	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05
3061	ALL	504822	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
3062	ALL	504872	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
3063	ALL	504922	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05
3064	ALL	504972	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
3065	ALL	505022	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
3066	ALL	505072	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
3067	ALL	505122	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
3068	ALL	505172	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05
3069	ALL	505222	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
3070	ALL	501722	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05
3071	ALL	501822	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
3072	ALL	501922	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05

3073	ALL	502022	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
3074	ALL	502122	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
3075	ALL	502222	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
3076	ALL	502322	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
3077	ALL	502422	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
3078	ALL	502522	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
3079	ALL	502622	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
3080	ALL	502722	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
3081	ALL	502822	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
3082	ALL	502922	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
3083	ALL	503022	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
3084	ALL	503122	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
3085	ALL	503222	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
3086	ALL	503322	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
3087	ALL	503422	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
3088	ALL	503722	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
3089	ALL	503822	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
3090	ALL	503922	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05
3091	ALL	504022	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
3092	ALL	504122	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
3093	ALL	504222	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
3094	ALL	504322	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
3095	ALL	504422	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
3096	ALL	504522	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
3097	ALL	504622	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
3098	ALL	504722	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05
3099	ALL	504822	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
3100	ALL	504922	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
3101	ALL	505022	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05
3102	ALL	505122	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
3103	ALL	505222	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
3104	ALL	505322	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05
3105	ALL	505422	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
3106	ALL	505522	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
3107	ALL	505622	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
3108	ALL	505722	3632476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
3109	ALL	501722	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
3110	ALL	501822	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
3111	ALL	501922	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
3112	ALL	502022	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
3113	ALL	502122	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
3114	ALL	502222	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
3115	ALL	502322	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
3116	ALL	502422	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
3117	ALL	502522	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
3118	ALL	502622	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
3119	ALL	502722	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
3120	ALL	502822	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
3121	ALL	502922	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
3122	ALL	503022	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
3123	ALL	503122	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
3124	ALL	503222	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
3125	ALL	503322	3632576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04

3126	ALL	503422	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
3127	ALL	503722	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
3128	ALL	503822	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05
3129	ALL	503922	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
3130	ALL	504022	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
3131	ALL	504122	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
3132	ALL	504222	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
3133	ALL	504322	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
3134	ALL	504422	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
3135	ALL	504522	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
3136	ALL	504622	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
3137	ALL	504722	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
3138	ALL	504822	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
3139	ALL	504922	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
3140	ALL	505022	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
3141	ALL	505122	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
3142	ALL	505222	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05
3143	ALL	505322	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05
3144	ALL	505422	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
3145	ALL	505522	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
3146	ALL	505622	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
3147	ALL	505722	3632576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
3148	ALL	501722	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
3149	ALL	501822	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
3150	ALL	501922	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
3151	ALL	502022	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
3152	ALL	502122	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
3153	ALL	502222	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
3154	ALL	502322	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
3155	ALL	502422	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
3156	ALL	502522	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
3157	ALL	502622	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
3158	ALL	502722	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
3159	ALL	502822	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
3160	ALL	502922	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
3161	ALL	503022	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04
3162	ALL	503722	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
3163	ALL	503822	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05
3164	ALL	503922	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
3165	ALL	504022	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
3166	ALL	504122	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
3167	ALL	504222	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
3168	ALL	504322	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
3169	ALL	504422	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05
3170	ALL	504522	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
3171	ALL	504622	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
3172	ALL	504722	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
3173	ALL	504822	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
3174	ALL	504922	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
3175	ALL	505022	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
3176	ALL	505122	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
3177	ALL	505222	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
3178	ALL	505322	3632676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05

3179	ALL	505422	3632676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
3180	ALL	505522	3632676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
3181	ALL	505622	3632676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
3182	ALL	505722	3632676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
3183	ALL	502422	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04
3184	ALL	502522	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
3185	ALL	502622	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04
3186	ALL	502722	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
3187	ALL	502822	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04
3188	ALL	502922	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
3189	ALL	503022	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
3190	ALL	503122	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
3191	ALL	503222	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
3192	ALL	503622	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
3193	ALL	503722	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
3194	ALL	503822	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05
3195	ALL	503922	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05
3196	ALL	504022	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
3197	ALL	504122	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05
3198	ALL	504222	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
3199	ALL	504322	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
3200	ALL	504422	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
3201	ALL	504522	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
3202	ALL	504622	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
3203	ALL	504722	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
3204	ALL	504822	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
3205	ALL	504922	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
3206	ALL	505022	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
3207	ALL	505122	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
3208	ALL	505222	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
3209	ALL	505322	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
3210	ALL	505422	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
3211	ALL	505522	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
3212	ALL	505622	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
3213	ALL	505722	3632776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
3214	ALL	501722	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
3215	ALL	501822	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
3216	ALL	501922	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
3217	ALL	502022	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
3218	ALL	502122	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
3219	ALL	502222	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
3220	ALL	502322	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
3221	ALL	502422	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
3222	ALL	502522	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
3223	ALL	502622	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
3224	ALL	502722	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
3225	ALL	502822	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
3226	ALL	502922	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
3227	ALL	503022	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
3228	ALL	503122	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
3229	ALL	503222	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
3230	ALL	503322	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
3231	ALL	503422	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04

3232	ALL	503622	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
3233	ALL	503722	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
3234	ALL	503822	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
3235	ALL	503922	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
3236	ALL	504022	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
3237	ALL	504122	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
3238	ALL	504222	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
3239	ALL	504322	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
3240	ALL	504422	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
3241	ALL	504522	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
3242	ALL	504622	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
3243	ALL	504722	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
3244	ALL	504822	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
3245	ALL	504922	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
3246	ALL	505022	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
3247	ALL	505122	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
3248	ALL	505222	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
3249	ALL	505322	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
3250	ALL	505422	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
3251	ALL	505522	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
3252	ALL	505622	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
3253	ALL	505722	3632876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
3254	ALL	501722	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
3255	ALL	501822	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
3256	ALL	501922	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
3257	ALL	502022	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
3258	ALL	502122	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
3259	ALL	505322	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05
3260	ALL	505422	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
3261	ALL	505522	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
3262	ALL	505622	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05
3263	ALL	505722	3632976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
3264	ALL	501722	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05
3265	ALL	501822	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05
3266	ALL	501922	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05
3267	ALL	502022	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
3268	ALL	502122	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
3269	ALL	505322	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
3270	ALL	505422	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
3271	ALL	505522	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
3272	ALL	505622	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
3273	ALL	505722	3633076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
3274	ALL	501722	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
3275	ALL	501822	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05
3276	ALL	501922	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
3277	ALL	502022	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05
3278	ALL	502122	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05
3279	ALL	505322	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
3280	ALL	505422	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
3281	ALL	505522	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
3282	ALL	505622	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05
3283	ALL	505722	3633176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
3284	ALL	501722	3633276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05

3285	ALL	501822	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
3286	ALL	501922	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05
3287	ALL	502022	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05
3288	ALL	502122	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05
3289	ALL	505322	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
3290	ALL	505422	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
3291	ALL	505522	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
3292	ALL	505622	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
3293	ALL	505722	3633276	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
3294	ALL	501722	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05
3295	ALL	501822	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05
3296	ALL	501922	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
3297	ALL	502022	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
3298	ALL	502122	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
3299	ALL	505322	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
3300	ALL	505422	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
3301	ALL	505522	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
3302	ALL	505622	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
3303	ALL	505722	3633376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
3304	ALL	501722	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05
3305	ALL	501822	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05
3306	ALL	501922	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
3307	ALL	502022	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
3308	ALL	502122	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05
3309	ALL	505322	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05
3310	ALL	505422	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
3311	ALL	505522	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
3312	ALL	505622	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
3313	ALL	505722	3633476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
3314	ALL	501722	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
3315	ALL	501822	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
3316	ALL	501922	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05
3317	ALL	502022	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05
3318	ALL	502122	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05
3319	ALL	505322	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
3320	ALL	505422	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
3321	ALL	505522	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
3322	ALL	505622	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05
3323	ALL	505722	3633576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
3324	ALL	501722	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05
3325	ALL	501822	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
3326	ALL	501922	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05
3327	ALL	502022	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
3328	ALL	502122	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05
3329	ALL	505322	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05
3330	ALL	505422	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
3331	ALL	505522	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
3332	ALL	505622	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
3333	ALL	505722	3633676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
3334	ALL	501722	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
3335	ALL	501822	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05
3336	ALL	501922	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
3337	ALL	502022	3633776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05

3338	ALL	502122	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05
3339	ALL	505322	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05
3340	ALL	505422	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
3341	ALL	505522	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
3342	ALL	505622	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
3343	ALL	505722	3633776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
3344	ALL	501722	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
3345	ALL	501822	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
3346	ALL	501922	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05
3347	ALL	502022	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
3348	ALL	502122	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05
3349	ALL	505322	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
3350	ALL	505422	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
3351	ALL	505522	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
3352	ALL	505622	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
3353	ALL	505722	3633876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
3354	ALL	501722	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05
3355	ALL	501822	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
3356	ALL	501922	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05
3357	ALL	502022	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05
3358	ALL	502122	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
3359	ALL	505322	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05
3360	ALL	505422	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05
3361	ALL	505522	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05
3362	ALL	505622	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
3363	ALL	505722	3633976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05
3364	ALL	501722	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05
3365	ALL	501822	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
3366	ALL	501922	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
3367	ALL	502022	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05
3368	ALL	502122	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05
3369	ALL	505322	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05
3370	ALL	505422	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05
3371	ALL	505522	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
3372	ALL	505622	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
3373	ALL	505722	3634076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
3374	ALL	501722	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05
3375	ALL	501822	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05
3376	ALL	501922	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
3377	ALL	502022	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05
3378	ALL	502122	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05
3379	ALL	505322	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05
3380	ALL	505422	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
3381	ALL	505522	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
3382	ALL	505622	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
3383	ALL	505722	3634176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
3384	ALL	501722	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05
3385	ALL	501822	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
3386	ALL	501922	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05
3387	ALL	502022	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05
3388	ALL	502122	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05
3389	ALL	505322	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
3390	ALL	505422	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05

3391	ALL	505522	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
3392	ALL	505622	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
3393	ALL	505722	3634276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05
3394	ALL	501722	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05
3395	ALL	501822	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
3396	ALL	501922	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05
3397	ALL	502022	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
3398	ALL	502122	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05
3399	ALL	505322	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05
3400	ALL	505422	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05
3401	ALL	505522	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
3402	ALL	505622	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
3403	ALL	505722	3634376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
3404	ALL	501722	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05
3405	ALL	501822	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05
3406	ALL	501922	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
3407	ALL	502022	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
3408	ALL	502122	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05
3409	ALL	505322	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05
3410	ALL	505422	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
3411	ALL	505522	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05
3412	ALL	505622	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05
3413	ALL	505722	3634476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
3414	ALL	501722	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05
3415	ALL	501822	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
3416	ALL	501922	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05
3417	ALL	502022	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
3418	ALL	502122	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05
3419	ALL	505322	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
3420	ALL	505422	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
3421	ALL	505522	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05
3422	ALL	505622	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05
3423	ALL	505722	3634576	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
3424	ALL	501722	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
3425	ALL	501822	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05
3426	ALL	501922	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
3427	ALL	502022	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05
3428	ALL	502122	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05
3429	ALL	505322	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05
3430	ALL	505422	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05
3431	ALL	505522	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05
3432	ALL	505622	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05
3433	ALL	505722	3634676	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05
3434	ALL	501722	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
3435	ALL	501822	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05
3436	ALL	501922	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
3437	ALL	502022	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05
3438	ALL	502122	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05
3439	ALL	505322	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05
3440	ALL	505422	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
3441	ALL	505522	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05
3442	ALL	505622	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05
3443	ALL	505722	3634776	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05

3444	ALL	501722	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05
3445	ALL	501822	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05
3446	ALL	501922	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05
3447	ALL	502022	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
3448	ALL	502122	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05
3449	ALL	505322	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05
3450	ALL	505422	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05
3451	ALL	505522	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05
3452	ALL	505622	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05
3453	ALL	505722	3634876	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
3454	ALL	501722	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
3455	ALL	501822	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05
3456	ALL	501922	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
3457	ALL	502022	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
3458	ALL	502122	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
3459	ALL	505322	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05
3460	ALL	505422	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
3461	ALL	505522	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05
3462	ALL	505622	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05
3463	ALL	505722	3634976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
3464	ALL	501722	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
3465	ALL	501822	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
3466	ALL	501922	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05
3467	ALL	502022	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05
3468	ALL	502122	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
3469	ALL	505322	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
3470	ALL	505422	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05
3471	ALL	505522	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05
3472	ALL	505622	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
3473	ALL	505722	3635076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05
3474	ALL	501722	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
3475	ALL	501822	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
3476	ALL	501922	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
3477	ALL	502022	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05
3478	ALL	502122	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05
3479	ALL	505322	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
3480	ALL	505422	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05
3481	ALL	505522	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05
3482	ALL	505622	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05
3483	ALL	505722	3635176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
3484	ALL	501722	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05
3485	ALL	501822	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
3486	ALL	501922	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
3487	ALL	502022	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
3488	ALL	502122	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05
3489	ALL	505622	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05
3490	ALL	505722	3635276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05
3491	ALL	501722	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
3492	ALL	501822	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
3493	ALL	501922	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05
3494	ALL	502022	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
3495	ALL	502122	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
3496	ALL	505622	3635376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05

3497	ALL	501722	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
3498	ALL	501822	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
3499	ALL	501922	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05
3500	ALL	502022	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05
3501	ALL	502122	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05
3502	ALL	505622	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05
3503	ALL	505722	3635476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
3504	ALL	501722	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
3505	ALL	501822	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
3506	ALL	501922	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05
3507	ALL	502022	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
3508	ALL	502122	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05
3509	ALL	505322	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05
3510	ALL	505422	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05
3511	ALL	505522	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05
3512	ALL	505622	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05
3513	ALL	505722	3635576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05
3514	ALL	501722	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05
3515	ALL	501822	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
3516	ALL	501922	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05
3517	ALL	502022	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05
3518	ALL	502122	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
3519	ALL	505322	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05
3520	ALL	505422	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
3521	ALL	505522	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
3522	ALL	505622	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
3523	ALL	505722	3635676	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05
3524	ALL	501722	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
3525	ALL	501822	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
3526	ALL	501922	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
3527	ALL	502022	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05
3528	ALL	502122	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
3529	ALL	505322	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05
3530	ALL	505422	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
3531	ALL	505522	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05
3532	ALL	505622	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
3533	ALL	505722	3635776	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05
3534	ALL	501722	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
3535	ALL	501822	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
3536	ALL	501922	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
3537	ALL	502022	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
3538	ALL	502122	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05
3539	ALL	505322	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05
3540	ALL	505422	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05
3541	ALL	505522	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05
3542	ALL	505622	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05
3543	ALL	505722	3635876	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
3544	ALL	501722	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
3545	ALL	501822	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
3546	ALL	501922	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
3547	ALL	502022	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
3548	ALL	502122	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
3549	ALL	505322	3635976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05

3550	ALL	505422	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05
3551	ALL	505522	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
3552	ALL	505622	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
3553	ALL	505722	3635976	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05
3554	ALL	501722	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
3555	ALL	501822	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
3556	ALL	501922	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
3557	ALL	502022	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
3558	ALL	502122	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
3559	ALL	502222	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05
3560	ALL	502322	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
3561	ALL	502422	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
3562	ALL	502522	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
3563	ALL	502622	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
3564	ALL	502722	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
3565	ALL	502822	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05
3566	ALL	502922	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
3567	ALL	503022	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
3568	ALL	503122	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
3569	ALL	503222	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
3570	ALL	503322	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05
3571	ALL	503422	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
3572	ALL	503522	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
3573	ALL	503622	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05
3574	ALL	503722	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
3575	ALL	503822	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05
3576	ALL	503922	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05
3577	ALL	504022	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
3578	ALL	504122	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
3579	ALL	504222	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
3580	ALL	504322	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
3581	ALL	504422	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05
3582	ALL	504522	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
3583	ALL	504622	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
3584	ALL	504722	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
3585	ALL	504822	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05
3586	ALL	504922	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05
3587	ALL	505022	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05
3588	ALL	505122	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05
3589	ALL	505222	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05
3590	ALL	505322	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
3591	ALL	505422	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
3592	ALL	505522	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
3593	ALL	505622	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
3594	ALL	505722	3636076	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05
3595	ALL	501722	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
3596	ALL	501822	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
3597	ALL	501922	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
3598	ALL	502022	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
3599	ALL	502122	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
3600	ALL	502222	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
3601	ALL	502322	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05
3602	ALL	502422	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05

3603	ALL	502522	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
3604	ALL	502622	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
3605	ALL	502722	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05
3606	ALL	502822	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05
3607	ALL	502922	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05
3608	ALL	503022	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
3609	ALL	503122	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
3610	ALL	503222	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
3611	ALL	503322	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
3612	ALL	503422	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
3613	ALL	503522	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05
3614	ALL	503622	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05
3615	ALL	503722	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05
3616	ALL	503822	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05
3617	ALL	503922	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
3618	ALL	504022	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05
3619	ALL	504122	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05
3620	ALL	504222	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
3621	ALL	504322	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05
3622	ALL	504422	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
3623	ALL	504522	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05
3624	ALL	504622	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
3625	ALL	504722	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05
3626	ALL	504822	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
3627	ALL	504922	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
3628	ALL	505022	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
3629	ALL	505122	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05
3630	ALL	505222	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05
3631	ALL	505322	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
3632	ALL	505422	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
3633	ALL	505522	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
3634	ALL	505622	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
3635	ALL	505722	3636176	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
3636	ALL	501722	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05
3637	ALL	501822	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
3638	ALL	501922	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
3639	ALL	502022	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
3640	ALL	502122	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
3641	ALL	502222	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05
3642	ALL	502322	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
3643	ALL	502422	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05
3644	ALL	502522	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
3645	ALL	502622	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05
3646	ALL	502722	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
3647	ALL	502822	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
3648	ALL	502922	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05
3649	ALL	503022	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
3650	ALL	503122	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
3651	ALL	503222	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
3652	ALL	503322	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
3653	ALL	503422	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05
3654	ALL	503522	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05
3655	ALL	503622	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05

3656	ALL	503722	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05
3657	ALL	503822	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05
3658	ALL	503922	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05
3659	ALL	504022	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05
3660	ALL	504122	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
3661	ALL	504222	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
3662	ALL	504322	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
3663	ALL	504422	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
3664	ALL	504522	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
3665	ALL	504622	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
3666	ALL	504722	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05
3667	ALL	504822	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
3668	ALL	504922	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05
3669	ALL	505022	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05
3670	ALL	505122	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
3671	ALL	505222	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
3672	ALL	505322	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05
3673	ALL	505422	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05
3674	ALL	505522	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
3675	ALL	505622	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05
3676	ALL	505722	3636276	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
3677	ALL	501722	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
3678	ALL	501822	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05
3679	ALL	501922	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
3680	ALL	502022	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
3681	ALL	502122	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
3682	ALL	502222	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05
3683	ALL	502322	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
3684	ALL	502422	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
3685	ALL	502522	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05
3686	ALL	502622	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
3687	ALL	502722	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05
3688	ALL	502822	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
3689	ALL	502922	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
3690	ALL	503022	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
3691	ALL	503122	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
3692	ALL	503222	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
3693	ALL	503322	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
3694	ALL	503422	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
3695	ALL	503522	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05
3696	ALL	503622	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
3697	ALL	503722	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
3698	ALL	503822	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
3699	ALL	503922	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
3700	ALL	504022	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
3701	ALL	504122	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
3702	ALL	504222	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05
3703	ALL	504322	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
3704	ALL	504422	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
3705	ALL	504522	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
3706	ALL	504622	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
3707	ALL	504722	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05
3708	ALL	504822	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05

3709	ALL	504922	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
3710	ALL	505022	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
3711	ALL	505122	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
3712	ALL	505222	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05
3713	ALL	505322	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
3714	ALL	505422	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
3715	ALL	505522	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
3716	ALL	505622	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
3717	ALL	505722	3636376	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05
3718	ALL	501722	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
3719	ALL	501822	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
3720	ALL	501922	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
3721	ALL	502022	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
3722	ALL	502122	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
3723	ALL	502222	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
3724	ALL	502322	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
3725	ALL	502422	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05
3726	ALL	502522	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
3727	ALL	502622	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
3728	ALL	502722	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
3729	ALL	502822	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
3730	ALL	502922	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05
3731	ALL	503022	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05
3732	ALL	503122	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05
3733	ALL	503222	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
3734	ALL	503322	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
3735	ALL	503422	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
3736	ALL	503522	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05
3737	ALL	503622	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
3738	ALL	503722	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05
3739	ALL	503822	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05
3740	ALL	503922	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
3741	ALL	504022	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
3742	ALL	504122	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
3743	ALL	504222	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
3744	ALL	504322	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
3745	ALL	504422	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
3746	ALL	504522	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
3747	ALL	504622	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
3748	ALL	504722	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
3749	ALL	504822	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
3750	ALL	504922	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
3751	ALL	505022	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05
3752	ALL	505122	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05
3753	ALL	505222	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
3754	ALL	505322	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05
3755	ALL	505422	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05
3756	ALL	505522	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05
3757	ALL	505622	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
3758	ALL	505722	3636476	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05

1.46E-03

REC	Operation MAXHI	Construction MAXHI	Total
1	1.26E-04	8.55E-05	2.12E-04
2	1.31E-04	8.92E-05	2.20E-04
3	1.36E-04	9.30E-05	2.29E-04
4	1.42E-04	9.70E-05	2.39E-04
5	1.48E-04	1.01E-04	2.49E-04
6	1.54E-04	1.06E-04	2.60E-04
7	1.61E-04	1.10E-04	2.71E-04
8	1.68E-04	1.15E-04	2.83E-04
9	1.76E-04	1.19E-04	2.95E-04
10	1.85E-04	1.24E-04	3.09E-04
11	1.95E-04	1.29E-04	3.24E-04
12	2.07E-04	1.33E-04	3.40E-04
13	1.97E-04	1.13E-04	3.10E-04
14	1.82E-04	8.38E-05	2.66E-04
15	2.07E-04	8.52E-05	2.92E-04
16	2.56E-04	8.78E-05	3.44E-04
17	4.07E-04	9.23E-05	4.99E-04
18	3.38E-04	9.34E-05	4.31E-04
19	2.17E-04	8.32E-05	3.00E-04
20	1.71E-04	7.64E-05	2.47E-04
21	1.58E-04	7.74E-05	2.35E-04
22	1.39E-04	7.41E-05	2.13E-04
23	1.32E-04	7.44E-05	2.06E-04
24	1.37E-04	8.04E-05	2.17E-04
25	1.33E-04	8.12E-05	2.14E-04
26	1.22E-04	7.77E-05	2.00E-04
27	1.21E-04	7.89E-05	2.00E-04
28	1.24E-04	8.22E-05	2.06E-04
29	1.16E-04	7.90E-05	1.95E-04
30	1.17E-04	8.07E-05	1.98E-04
31	1.19E-04	8.36E-05	2.03E-04
32	1.18E-04	8.37E-05	2.02E-04
33	1.05E-04	7.62E-05	1.81E-04
34	9.73E-05	7.15E-05	1.69E-04
35	9.24E-05	6.89E-05	1.61E-04
36	9.02E-05	6.82E-05	1.58E-04
37	9.13E-05	6.96E-05	1.61E-04
38	9.34E-05	7.17E-05	1.65E-04
39	9.41E-05	7.28E-05	1.67E-04
40	9.63E-05	7.47E-05	1.71E-04
41	1.28E-04	8.89E-05	2.17E-04
42	1.33E-04	9.29E-05	2.26E-04
43	1.39E-04	9.71E-05	2.36E-04
44	1.45E-04	1.02E-04	2.47E-04
45	1.51E-04	1.06E-04	2.57E-04
46	1.58E-04	1.11E-04	2.69E-04
47	1.65E-04	1.16E-04	2.81E-04
48	1.73E-04	1.21E-04	2.94E-04

49	1.81E-04	1.26E-04	3.07E-04
50	1.91E-04	1.32E-04	3.23E-04
51	2.02E-04	1.37E-04	3.39E-04
52	2.14E-04	1.42E-04	3.56E-04
53	2.23E-04	1.44E-04	3.67E-04
54	2.10E-04	1.13E-04	3.23E-04
55	2.31E-04	1.09E-04	3.40E-04
56	2.76E-04	1.10E-04	3.86E-04
57	3.96E-04	1.07E-04	5.03E-04
58	4.31E-04	1.15E-04	5.46E-04
59	2.89E-04	1.08E-04	3.97E-04
60	2.41E-04	1.07E-04	3.48E-04
61	1.93E-04	9.64E-05	2.89E-04
62	1.61E-04	8.72E-05	2.48E-04
63	1.58E-04	9.06E-05	2.49E-04
64	1.63E-04	9.79E-05	2.61E-04
65	1.52E-04	9.49E-05	2.47E-04
66	1.39E-04	8.94E-05	2.28E-04
67	1.38E-04	9.12E-05	2.29E-04
68	1.42E-04	9.60E-05	2.38E-04
69	1.39E-04	9.63E-05	2.35E-04
70	1.38E-04	9.73E-05	2.35E-04
71	1.32E-04	9.46E-05	2.27E-04
72	1.14E-04	8.26E-05	1.97E-04
73	1.07E-04	7.86E-05	1.86E-04
74	1.01E-04	7.57E-05	1.77E-04
75	9.82E-05	7.44E-05	1.73E-04
76	9.94E-05	7.61E-05	1.76E-04
77	1.03E-04	7.89E-05	1.82E-04
78	1.05E-04	8.11E-05	1.86E-04
79	1.04E-04	8.13E-05	1.85E-04
80	1.03E-04	8.08E-05	1.84E-04
81	1.30E-04	9.23E-05	2.22E-04
82	1.35E-04	9.66E-05	2.32E-04
83	1.41E-04	1.01E-04	2.42E-04
84	1.48E-04	1.06E-04	2.54E-04
85	1.54E-04	1.11E-04	2.65E-04
86	1.62E-04	1.17E-04	2.79E-04
87	1.70E-04	1.22E-04	2.92E-04
88	1.78E-04	1.28E-04	3.06E-04
89	1.87E-04	1.34E-04	3.21E-04
90	1.98E-04	1.40E-04	3.38E-04
91	2.09E-04	1.47E-04	3.56E-04
92	2.22E-04	1.53E-04	3.75E-04
93	2.35E-04	1.58E-04	3.93E-04
94	2.34E-04	1.41E-04	3.75E-04
95	2.53E-04	1.40E-04	3.93E-04
96	2.87E-04	1.36E-04	4.23E-04
97	3.73E-04	1.44E-04	5.17E-04
98	4.84E-04	1.27E-04	6.11E-04

99	3.36E-04	1.28E-04	4.64E-04
100	2.82E-04	1.31E-04	4.13E-04
101	2.30E-04	1.19E-04	3.49E-04
102	1.99E-04	1.11E-04	3.10E-04
103	1.98E-04	1.18E-04	3.16E-04
104	1.91E-04	1.19E-04	3.10E-04
105	1.75E-04	1.13E-04	2.88E-04
106	1.68E-04	1.11E-04	2.79E-04
107	1.60E-04	1.08E-04	2.68E-04
108	1.62E-04	1.12E-04	2.74E-04
109	1.60E-04	1.13E-04	2.73E-04
110	1.59E-04	1.15E-04	2.74E-04
111	1.39E-04	1.01E-04	2.40E-04
112	1.21E-04	8.87E-05	2.10E-04
113	1.14E-04	8.50E-05	1.99E-04
114	1.08E-04	8.17E-05	1.90E-04
115	1.07E-04	8.20E-05	1.89E-04
116	1.11E-04	8.59E-05	1.97E-04
117	1.16E-04	9.01E-05	2.06E-04
118	1.14E-04	8.91E-05	2.03E-04
119	1.12E-04	8.81E-05	2.00E-04
120	1.10E-04	8.72E-05	1.97E-04
121	1.32E-04	9.59E-05	2.28E-04
122	1.38E-04	1.01E-04	2.39E-04
123	1.44E-04	1.06E-04	2.50E-04
124	1.51E-04	1.11E-04	2.62E-04
125	1.58E-04	1.17E-04	2.75E-04
126	1.66E-04	1.23E-04	2.89E-04
127	1.75E-04	1.29E-04	3.04E-04
128	1.84E-04	1.36E-04	3.20E-04
129	1.94E-04	1.42E-04	3.36E-04
130	2.05E-04	1.49E-04	3.54E-04
131	2.18E-04	1.57E-04	3.75E-04
132	2.32E-04	1.64E-04	3.96E-04
133	2.48E-04	1.71E-04	4.19E-04
134	2.59E-04	1.72E-04	4.31E-04
135	2.67E-04	1.59E-04	4.26E-04
136	2.97E-04	1.57E-04	4.54E-04
137	3.65E-04	1.61E-04	5.26E-04
138	6.03E-04	1.48E-04	7.51E-04
139	3.70E-04	1.41E-04	5.11E-04
140	3.11E-04	1.48E-04	4.59E-04
141	2.50E-04	1.33E-04	3.83E-04
142	2.28E-04	1.32E-04	3.60E-04
143	2.22E-04	1.36E-04	3.58E-04
144	2.08E-04	1.34E-04	3.42E-04
145	2.00E-04	1.33E-04	3.33E-04
146	1.88E-04	1.28E-04	3.16E-04
147	1.79E-04	1.25E-04	3.04E-04
148	1.83E-04	1.31E-04	3.14E-04

149	1.81E-04	1.32E-04	3.13E-04
150	1.74E-04	1.29E-04	3.03E-04
151	1.57E-04	1.16E-04	2.73E-04
152	1.41E-04	1.05E-04	2.46E-04
153	1.27E-04	9.61E-05	2.23E-04
154	1.20E-04	9.23E-05	2.12E-04
155	1.19E-04	9.22E-05	2.11E-04
156	1.27E-04	9.87E-05	2.26E-04
157	1.28E-04	9.99E-05	2.28E-04
158	1.24E-04	9.82E-05	2.22E-04
159	1.24E-04	9.88E-05	2.23E-04
160	1.19E-04	9.58E-05	2.15E-04
161	1.35E-04	9.95E-05	2.35E-04
162	1.41E-04	1.05E-04	2.46E-04
163	1.47E-04	1.10E-04	2.57E-04
164	1.55E-04	1.16E-04	2.71E-04
165	1.63E-04	1.22E-04	2.85E-04
166	1.72E-04	1.29E-04	3.01E-04
167	1.81E-04	1.36E-04	3.17E-04
168	1.91E-04	1.43E-04	3.34E-04
169	2.02E-04	1.51E-04	3.53E-04
170	2.14E-04	1.59E-04	3.73E-04
171	2.27E-04	1.68E-04	3.95E-04
172	2.42E-04	1.77E-04	4.19E-04
173	2.59E-04	1.85E-04	4.44E-04
174	2.79E-04	1.94E-04	4.73E-04
175	3.03E-04	2.02E-04	5.05E-04
176	3.29E-04	2.01E-04	5.30E-04
177	3.71E-04	1.98E-04	5.69E-04
178	5.14E-04	1.64E-04	6.78E-04
179	4.24E-04	1.60E-04	5.84E-04
180	3.41E-04	1.64E-04	5.05E-04
181	2.96E-04	1.63E-04	4.59E-04
182	2.65E-04	1.58E-04	4.23E-04
183	2.45E-04	1.55E-04	4.00E-04
184	2.34E-04	1.55E-04	3.89E-04
185	2.22E-04	1.52E-04	3.74E-04
186	2.11E-04	1.48E-04	3.59E-04
187	2.06E-04	1.48E-04	3.54E-04
188	2.06E-04	1.52E-04	3.58E-04
189	2.04E-04	1.53E-04	3.57E-04
190	1.98E-04	1.51E-04	3.49E-04
191	1.82E-04	1.38E-04	3.20E-04
192	1.61E-04	1.21E-04	2.82E-04
193	1.44E-04	1.10E-04	2.54E-04
194	1.37E-04	1.06E-04	2.43E-04
195	1.40E-04	1.09E-04	2.49E-04
196	1.44E-04	1.13E-04	2.57E-04
197	1.40E-04	1.11E-04	2.51E-04
198	1.37E-04	1.10E-04	2.47E-04

199	1.34E-04	1.08E-04	2.42E-04
200	1.31E-04	1.06E-04	2.37E-04
201	1.37E-04	1.03E-04	2.40E-04
202	1.44E-04	1.09E-04	2.53E-04
203	1.51E-04	1.15E-04	2.66E-04
204	1.59E-04	1.21E-04	2.80E-04
205	1.68E-04	1.28E-04	2.96E-04
206	1.77E-04	1.36E-04	3.13E-04
207	1.87E-04	1.43E-04	3.30E-04
208	1.98E-04	1.52E-04	3.50E-04
209	2.10E-04	1.61E-04	3.71E-04
210	2.23E-04	1.70E-04	3.93E-04
211	2.37E-04	1.80E-04	4.17E-04
212	2.53E-04	1.90E-04	4.43E-04
213	2.71E-04	2.01E-04	4.72E-04
214	2.92E-04	2.11E-04	5.03E-04
215	3.16E-04	2.21E-04	5.37E-04
216	3.50E-04	2.31E-04	5.81E-04
217	3.90E-04	2.37E-04	6.27E-04
218	4.72E-04	2.20E-04	6.92E-04
219	4.07E-04	1.98E-04	6.05E-04
220	3.34E-04	1.88E-04	5.22E-04
221	3.04E-04	1.87E-04	4.91E-04
222	2.77E-04	1.81E-04	4.58E-04
223	2.62E-04	1.79E-04	4.41E-04
224	2.45E-04	1.72E-04	4.17E-04
225	2.35E-04	1.69E-04	4.04E-04
226	2.31E-04	1.70E-04	4.01E-04
227	2.35E-04	1.78E-04	4.13E-04
228	2.29E-04	1.77E-04	4.06E-04
229	2.20E-04	1.71E-04	3.91E-04
230	2.16E-04	1.69E-04	3.85E-04
231	1.87E-04	1.44E-04	3.31E-04
232	1.68E-04	1.30E-04	2.98E-04
233	1.61E-04	1.26E-04	2.87E-04
234	1.63E-04	1.28E-04	2.91E-04
235	1.60E-04	1.27E-04	2.87E-04
236	1.55E-04	1.24E-04	2.79E-04
237	1.57E-04	1.26E-04	2.83E-04
238	1.51E-04	1.22E-04	2.73E-04
239	1.43E-04	1.17E-04	2.60E-04
240	1.40E-04	1.07E-04	2.47E-04
241	1.47E-04	1.13E-04	2.60E-04
242	1.55E-04	1.20E-04	2.75E-04
243	1.64E-04	1.27E-04	2.91E-04
244	1.73E-04	1.35E-04	3.08E-04
245	1.83E-04	1.43E-04	3.26E-04
246	1.94E-04	1.52E-04	3.46E-04
247	2.06E-04	1.61E-04	3.67E-04
248	2.19E-04	1.71E-04	3.90E-04

249	2.33E-04	1.82E-04	4.15E-04
250	2.49E-04	1.93E-04	4.42E-04
251	2.66E-04	2.05E-04	4.71E-04
252	2.86E-04	2.18E-04	5.04E-04
253	3.08E-04	2.30E-04	5.38E-04
254	3.33E-04	2.43E-04	5.76E-04
255	3.64E-04	2.55E-04	6.19E-04
256	3.83E-04	2.20E-04	6.03E-04
257	3.43E-04	2.17E-04	5.60E-04
258	3.20E-04	2.15E-04	5.35E-04
259	2.92E-04	2.04E-04	4.96E-04
260	2.72E-04	1.97E-04	4.69E-04
261	2.64E-04	1.95E-04	4.59E-04
262	2.79E-04	2.14E-04	4.93E-04
263	2.71E-04	2.11E-04	4.82E-04
264	2.65E-04	2.10E-04	4.75E-04
265	2.54E-04	2.03E-04	4.57E-04
266	2.42E-04	1.93E-04	4.35E-04
267	2.16E-04	1.71E-04	3.87E-04
268	2.00E-04	1.58E-04	3.58E-04
269	1.93E-04	1.54E-04	3.47E-04
270	1.83E-04	1.46E-04	3.29E-04
271	1.87E-04	1.51E-04	3.38E-04
272	1.91E-04	1.56E-04	3.47E-04
273	1.82E-04	1.49E-04	3.31E-04
274	1.71E-04	1.40E-04	3.11E-04
275	1.60E-04	1.32E-04	2.92E-04
276	1.43E-04	1.11E-04	2.54E-04
277	1.51E-04	1.17E-04	2.68E-04
278	1.59E-04	1.25E-04	2.84E-04
279	1.68E-04	1.32E-04	3.00E-04
280	1.78E-04	1.41E-04	3.19E-04
281	1.89E-04	1.50E-04	3.39E-04
282	2.01E-04	1.60E-04	3.61E-04
283	2.14E-04	1.71E-04	3.85E-04
284	2.29E-04	1.82E-04	4.11E-04
285	2.44E-04	1.95E-04	4.39E-04
286	2.62E-04	2.08E-04	4.70E-04
287	2.81E-04	2.22E-04	5.03E-04
288	4.63E-04	2.71E-04	7.34E-04
289	4.14E-04	2.70E-04	6.84E-04
290	3.69E-04	2.55E-04	6.24E-04
291	3.29E-04	2.36E-04	5.65E-04
292	3.13E-04	2.31E-04	5.44E-04
293	3.30E-04	2.53E-04	5.83E-04
294	3.18E-04	2.49E-04	5.67E-04
295	3.11E-04	2.48E-04	5.59E-04
296	3.08E-04	2.50E-04	5.58E-04
297	2.95E-04	2.41E-04	5.36E-04
298	2.84E-04	2.33E-04	5.17E-04

299	2.71E-04	2.23E-04	4.94E-04
300	2.54E-04	2.09E-04	4.63E-04
301	2.35E-04	1.93E-04	4.28E-04
302	2.24E-04	1.84E-04	4.08E-04
303	2.20E-04	1.82E-04	4.02E-04
304	2.19E-04	1.83E-04	4.02E-04
305	2.03E-04	1.69E-04	3.72E-04
306	1.89E-04	1.57E-04	3.46E-04
307	1.81E-04	1.51E-04	3.32E-04
308	1.46E-04	1.15E-04	2.61E-04
309	1.54E-04	1.22E-04	2.76E-04
310	1.63E-04	1.30E-04	2.93E-04
311	1.73E-04	1.38E-04	3.11E-04
312	1.84E-04	1.48E-04	3.32E-04
313	1.96E-04	1.58E-04	3.54E-04
314	2.09E-04	1.69E-04	3.78E-04
315	2.24E-04	1.81E-04	4.05E-04
316	2.39E-04	1.94E-04	4.33E-04
317	2.57E-04	2.08E-04	4.65E-04
318	2.76E-04	2.24E-04	5.00E-04
319	2.98E-04	2.40E-04	5.38E-04
320	4.82E-04	3.18E-04	8.00E-04
321	4.20E-04	2.96E-04	7.16E-04
322	3.90E-04	2.87E-04	6.77E-04
323	4.06E-04	3.11E-04	7.17E-04
324	3.89E-04	3.06E-04	6.95E-04
325	3.65E-04	2.93E-04	6.58E-04
326	3.64E-04	2.98E-04	6.62E-04
327	3.50E-04	2.89E-04	6.39E-04
328	3.39E-04	2.81E-04	6.20E-04
329	3.25E-04	2.71E-04	5.96E-04
330	3.04E-04	2.54E-04	5.58E-04
331	2.88E-04	2.42E-04	5.30E-04
332	2.70E-04	2.26E-04	4.96E-04
333	2.59E-04	2.18E-04	4.77E-04
334	2.57E-04	2.19E-04	4.76E-04
335	2.46E-04	2.10E-04	4.56E-04
336	2.30E-04	1.96E-04	4.26E-04
337	2.02E-04	1.70E-04	3.72E-04
338	1.93E-04	1.64E-04	3.57E-04
339	1.49E-04	1.18E-04	2.67E-04
340	1.58E-04	1.26E-04	2.84E-04
341	1.67E-04	1.35E-04	3.02E-04
342	1.78E-04	1.44E-04	3.22E-04
343	1.90E-04	1.54E-04	3.44E-04
344	2.03E-04	1.65E-04	3.68E-04
345	2.17E-04	1.78E-04	3.95E-04
346	2.33E-04	1.91E-04	4.24E-04
347	2.50E-04	2.06E-04	4.56E-04
348	2.70E-04	2.23E-04	4.93E-04

349	2.91E-04	2.41E-04	5.32E-04
350	3.16E-04	2.60E-04	5.76E-04
351	5.86E-04	3.89E-04	9.75E-04
352	5.19E-04	3.73E-04	8.92E-04
353	4.95E-04	3.74E-04	8.69E-04
354	4.97E-04	3.93E-04	8.90E-04
355	4.59E-04	3.70E-04	8.29E-04
356	4.41E-04	3.64E-04	8.05E-04
357	4.20E-04	3.50E-04	7.70E-04
358	4.10E-04	3.45E-04	7.55E-04
359	3.98E-04	3.37E-04	7.35E-04
360	3.79E-04	3.22E-04	7.01E-04
361	3.63E-04	3.11E-04	6.74E-04
362	3.39E-04	2.91E-04	6.30E-04
363	3.24E-04	2.79E-04	6.03E-04
364	3.05E-04	2.64E-04	5.69E-04
365	2.84E-04	2.46E-04	5.30E-04
366	2.56E-04	2.21E-04	4.77E-04
367	2.34E-04	2.01E-04	4.35E-04
368	2.17E-04	1.86E-04	4.03E-04
369	2.00E-04	1.72E-04	3.72E-04
370	1.52E-04	1.22E-04	2.74E-04
371	1.61E-04	1.30E-04	2.91E-04
372	1.71E-04	1.39E-04	3.10E-04
373	1.83E-04	1.50E-04	3.33E-04
374	1.96E-04	1.61E-04	3.57E-04
375	2.10E-04	1.73E-04	3.83E-04
376	2.25E-04	1.87E-04	4.12E-04
377	2.43E-04	2.02E-04	4.45E-04
378	2.62E-04	2.19E-04	4.81E-04
379	2.84E-04	2.38E-04	5.22E-04
380	3.08E-04	2.59E-04	5.67E-04
381	3.36E-04	2.83E-04	6.19E-04
382	7.30E-04	4.80E-04	1.21E-03
383	6.52E-04	4.74E-04	1.13E-03
384	6.64E-04	5.25E-04	1.19E-03
385	5.98E-04	4.85E-04	1.08E-03
386	5.53E-04	4.58E-04	1.01E-03
387	5.19E-04	4.37E-04	9.56E-04
388	5.02E-04	4.27E-04	9.29E-04
389	4.83E-04	4.13E-04	8.96E-04
390	4.57E-04	3.92E-04	8.49E-04
391	4.34E-04	3.75E-04	8.09E-04
392	4.15E-04	3.62E-04	7.77E-04
393	3.83E-04	3.36E-04	7.19E-04
394	3.61E-04	3.18E-04	6.79E-04
395	3.22E-04	2.82E-04	6.04E-04
396	2.83E-04	2.46E-04	5.29E-04
397	2.60E-04	2.26E-04	4.86E-04
398	2.38E-04	2.07E-04	4.45E-04

399	2.16E-04	1.87E-04	4.03E-04
400	1.94E-04	1.66E-04	3.60E-04
401	1.55E-04	1.26E-04	2.81E-04
402	1.65E-04	1.35E-04	3.00E-04
403	1.76E-04	1.44E-04	3.20E-04
404	1.88E-04	1.55E-04	3.43E-04
405	2.01E-04	1.67E-04	3.68E-04
406	2.17E-04	1.81E-04	3.98E-04
407	2.34E-04	1.96E-04	4.30E-04
408	2.53E-04	2.13E-04	4.66E-04
409	2.74E-04	2.33E-04	5.07E-04
410	2.98E-04	2.54E-04	5.52E-04
411	3.26E-04	2.79E-04	6.05E-04
412	3.57E-04	3.06E-04	6.63E-04
413	8.66E-04	6.46E-04	1.51E-03
414	8.12E-04	6.43E-04	1.46E-03
415	7.12E-04	5.88E-04	1.30E-03
416	6.67E-04	5.66E-04	1.23E-03
417	6.25E-04	5.35E-04	1.16E-03
418	5.94E-04	5.14E-04	1.11E-03
419	5.59E-04	4.84E-04	1.04E-03
420	5.30E-04	4.63E-04	9.93E-04
421	4.97E-04	4.37E-04	9.34E-04
422	4.66E-04	4.14E-04	8.80E-04
423	4.24E-04	3.79E-04	8.03E-04
424	3.64E-04	3.23E-04	6.87E-04
425	3.23E-04	2.86E-04	6.09E-04
426	2.93E-04	2.59E-04	5.52E-04
427	2.64E-04	2.32E-04	4.96E-04
428	2.32E-04	2.02E-04	4.34E-04
429	2.09E-04	1.80E-04	3.89E-04
430	1.89E-04	1.62E-04	3.51E-04
431	1.58E-04	1.29E-04	2.87E-04
432	1.68E-04	1.39E-04	3.07E-04
433	1.80E-04	1.49E-04	3.29E-04
434	1.93E-04	1.61E-04	3.54E-04
435	2.07E-04	1.74E-04	3.81E-04
436	2.23E-04	1.89E-04	4.12E-04
437	2.42E-04	2.05E-04	4.47E-04
438	2.63E-04	2.25E-04	4.88E-04
439	2.86E-04	2.46E-04	5.32E-04
440	3.14E-04	2.71E-04	5.85E-04
441	3.45E-04	2.99E-04	6.44E-04
442	3.81E-04	3.32E-04	7.13E-04
443	1.13E-03	8.13E-04	1.94E-03
444	1.00E-03	7.88E-04	1.79E-03
445	9.07E-04	7.52E-04	1.66E-03
446	8.04E-04	6.90E-04	1.49E-03
447	7.51E-04	6.51E-04	1.40E-03
448	7.05E-04	6.16E-04	1.32E-03

449	6.61E-04	5.82E-04	1.24E-03
450	6.17E-04	5.49E-04	1.17E-03
451	5.72E-04	5.16E-04	1.09E-03
452	5.14E-04	4.67E-04	9.81E-04
453	4.40E-04	3.99E-04	8.39E-04
454	3.83E-04	3.46E-04	7.29E-04
455	3.33E-04	2.98E-04	6.31E-04
456	2.88E-04	2.54E-04	5.42E-04
457	2.52E-04	2.20E-04	4.72E-04
458	2.18E-04	1.89E-04	4.07E-04
459	1.99E-04	1.72E-04	3.71E-04
460	1.85E-04	1.60E-04	3.45E-04
461	1.61E-04	1.33E-04	2.94E-04
462	1.72E-04	1.42E-04	3.14E-04
463	1.84E-04	1.53E-04	3.37E-04
464	1.98E-04	1.66E-04	3.64E-04
465	2.13E-04	1.80E-04	3.93E-04
466	2.30E-04	1.96E-04	4.26E-04
467	2.50E-04	2.14E-04	4.64E-04
468	2.73E-04	2.35E-04	5.08E-04
469	2.99E-04	2.60E-04	5.59E-04
470	3.29E-04	2.88E-04	6.17E-04
471	3.64E-04	3.20E-04	6.84E-04
472	4.05E-04	3.59E-04	7.64E-04
473	1.29E-03	9.94E-04	2.28E-03
474	1.13E-03	9.36E-04	2.07E-03
475	1.01E-03	8.70E-04	1.88E-03
476	9.12E-04	8.05E-04	1.72E-03
477	8.38E-04	7.51E-04	1.59E-03
478	7.78E-04	7.01E-04	1.48E-03
479	7.11E-04	6.51E-04	1.36E-03
480	6.41E-04	5.93E-04	1.23E-03
481	5.62E-04	5.23E-04	1.09E-03
482	4.80E-04	4.46E-04	9.26E-04
483	4.01E-04	3.67E-04	7.68E-04
484	3.24E-04	2.89E-04	6.13E-04
485	2.82E-04	2.48E-04	5.30E-04
486	2.43E-04	2.13E-04	4.56E-04
487	2.12E-04	1.87E-04	3.99E-04
488	1.95E-04	1.72E-04	3.67E-04
489	1.77E-04	1.56E-04	3.33E-04
490	1.63E-04	1.35E-04	2.98E-04
491	1.75E-04	1.46E-04	3.21E-04
492	1.87E-04	1.57E-04	3.44E-04
493	2.02E-04	1.71E-04	3.73E-04
494	2.18E-04	1.86E-04	4.04E-04
495	2.37E-04	2.03E-04	4.40E-04
496	2.58E-04	2.23E-04	4.81E-04
497	2.82E-04	2.46E-04	5.28E-04
498	3.11E-04	2.73E-04	5.84E-04

499	3.44E-04	3.04E-04	6.48E-04
500	3.82E-04	3.41E-04	7.23E-04
501	4.29E-04	3.85E-04	8.14E-04
502	1.46E-03	1.20E-03	2.66E-03
503	1.26E-03	1.09E-03	2.35E-03
504	1.10E-03	9.86E-04	2.09E-03
505	9.69E-04	8.98E-04	1.87E-03
506	8.62E-04	8.01E-04	1.66E-03
507	7.96E-04	7.49E-04	1.55E-03
508	7.07E-04	6.72E-04	1.38E-03
509	6.21E-04	5.91E-04	1.21E-03
510	4.69E-04	4.36E-04	9.05E-04
511	3.52E-04	3.16E-04	6.68E-04
512	3.10E-04	2.77E-04	5.87E-04
513	2.71E-04	2.42E-04	5.13E-04
514	2.26E-04	2.03E-04	4.29E-04
515	1.96E-04	1.78E-04	3.74E-04
516	1.77E-04	1.60E-04	3.37E-04
517	1.58E-04	1.42E-04	3.00E-04
518	1.66E-04	1.38E-04	3.04E-04
519	1.78E-04	1.49E-04	3.27E-04
520	1.91E-04	1.61E-04	3.52E-04
521	2.06E-04	1.75E-04	3.81E-04
522	2.23E-04	1.91E-04	4.14E-04
523	2.43E-04	2.09E-04	4.52E-04
524	2.65E-04	2.31E-04	4.96E-04
525	2.92E-04	2.56E-04	5.48E-04
526	3.22E-04	2.85E-04	6.07E-04
527	3.59E-04	3.19E-04	6.78E-04
528	4.02E-04	3.61E-04	7.63E-04
529	4.54E-04	4.12E-04	8.66E-04
530	1.32E-03	1.22E-03	2.54E-03
531	1.11E-03	1.06E-03	2.17E-03
532	9.69E-04	9.26E-04	1.90E-03
533	8.37E-04	7.98E-04	1.64E-03
534	7.51E-04	7.32E-04	1.48E-03
535	6.47E-04	6.29E-04	1.28E-03
536	4.54E-04	4.27E-04	8.81E-04
537	3.38E-04	3.10E-04	6.48E-04
538	2.97E-04	2.70E-04	5.67E-04
539	2.59E-04	2.35E-04	4.94E-04
540	2.20E-04	1.98E-04	4.18E-04
541	1.90E-04	1.70E-04	3.60E-04
542	1.68E-04	1.49E-04	3.17E-04
543	1.49E-04	1.32E-04	2.81E-04
544	1.68E-04	1.40E-04	3.08E-04
545	1.80E-04	1.52E-04	3.32E-04
546	1.94E-04	1.64E-04	3.58E-04
547	2.10E-04	1.79E-04	3.89E-04
548	2.28E-04	1.96E-04	4.24E-04

549	2.48E-04	2.15E-04	4.63E-04
550	2.72E-04	2.38E-04	5.10E-04
551	3.00E-04	2.64E-04	5.64E-04
552	3.33E-04	2.96E-04	6.29E-04
553	3.73E-04	3.34E-04	7.07E-04
554	4.20E-04	3.80E-04	8.00E-04
555	4.79E-04	4.38E-04	9.17E-04
556	1.25E-03	1.24E-03	2.49E-03
557	1.03E-03	1.03E-03	2.06E-03
558	9.05E-04	9.06E-04	1.81E-03
559	7.69E-04	7.66E-04	1.54E-03
560	6.40E-04	6.33E-04	1.27E-03
561	4.79E-04	4.61E-04	9.40E-04
562	3.58E-04	3.32E-04	6.90E-04
563	2.95E-04	2.66E-04	5.61E-04
564	2.50E-04	2.21E-04	4.71E-04
565	2.12E-04	1.85E-04	3.97E-04
566	1.84E-04	1.60E-04	3.44E-04
567	1.61E-04	1.40E-04	3.01E-04
568	1.44E-04	1.25E-04	2.69E-04
569	1.69E-04	1.41E-04	3.10E-04
570	1.81E-04	1.53E-04	3.34E-04
571	1.96E-04	1.66E-04	3.62E-04
572	2.14E-04	1.83E-04	3.97E-04
573	2.53E-04	2.20E-04	4.73E-04
574	2.79E-04	2.44E-04	5.23E-04
575	3.08E-04	2.72E-04	5.80E-04
576	3.43E-04	3.05E-04	6.48E-04
577	3.85E-04	3.46E-04	7.31E-04
578	4.37E-04	3.97E-04	8.34E-04
579	5.01E-04	4.60E-04	9.61E-04
580	1.12E-03	1.13E-03	2.25E-03
581	9.09E-04	9.25E-04	1.83E-03
582	7.74E-04	7.76E-04	1.55E-03
583	6.49E-04	6.39E-04	1.29E-03
584	5.18E-04	4.97E-04	1.02E-03
585	3.75E-04	3.42E-04	7.17E-04
586	3.00E-04	2.65E-04	5.65E-04
587	2.45E-04	2.12E-04	4.57E-04
588	2.03E-04	1.75E-04	3.78E-04
589	1.73E-04	1.50E-04	3.23E-04
590	1.52E-04	1.32E-04	2.84E-04
591	1.38E-04	1.19E-04	2.57E-04
592	1.69E-04	1.43E-04	3.12E-04
593	1.83E-04	1.55E-04	3.38E-04
594	1.97E-04	1.68E-04	3.65E-04
595	2.83E-04	2.48E-04	5.31E-04
596	3.14E-04	2.78E-04	5.92E-04
597	3.51E-04	3.13E-04	6.64E-04
598	3.96E-04	3.56E-04	7.52E-04

599	4.51E-04	4.10E-04	8.61E-04
600	5.19E-04	4.78E-04	9.97E-04
601	9.41E-04	9.48E-04	1.89E-03
602	7.81E-04	7.72E-04	1.55E-03
603	6.62E-04	6.45E-04	1.31E-03
604	5.00E-04	4.69E-04	9.69E-04
605	3.38E-04	3.00E-04	6.38E-04
606	2.67E-04	2.32E-04	4.99E-04
607	2.23E-04	1.93E-04	4.16E-04
608	1.92E-04	1.66E-04	3.58E-04
609	1.69E-04	1.46E-04	3.15E-04
610	1.51E-04	1.30E-04	2.81E-04
611	1.37E-04	1.18E-04	2.55E-04
612	1.71E-04	1.44E-04	3.15E-04
613	1.84E-04	1.56E-04	3.40E-04
614	1.99E-04	1.69E-04	3.68E-04
615	7.70E-04	7.54E-04	1.52E-03
616	6.56E-04	6.34E-04	1.29E-03
617	5.17E-04	4.87E-04	1.00E-03
618	3.58E-04	3.21E-04	6.79E-04
619	2.74E-04	2.37E-04	5.11E-04
620	2.29E-04	1.96E-04	4.25E-04
621	2.03E-04	1.73E-04	3.76E-04
622	1.83E-04	1.55E-04	3.38E-04
623	1.63E-04	1.37E-04	3.00E-04
624	1.45E-04	1.22E-04	2.67E-04
625	1.73E-04	1.45E-04	3.18E-04
626	1.86E-04	1.58E-04	3.44E-04
627	2.02E-04	1.72E-04	3.74E-04
628	6.41E-04	6.13E-04	1.25E-03
629	5.50E-04	5.22E-04	1.07E-03
630	4.49E-04	4.21E-04	8.70E-04
631	3.30E-04	2.98E-04	6.28E-04
632	2.70E-04	2.37E-04	5.07E-04
633	2.37E-04	2.05E-04	4.42E-04
634	2.12E-04	1.82E-04	3.94E-04
635	1.81E-04	1.54E-04	3.35E-04
636	1.56E-04	1.32E-04	2.88E-04
637	1.73E-04	1.46E-04	3.19E-04
638	1.86E-04	1.58E-04	3.44E-04
639	5.41E-04	5.04E-04	1.05E-03
640	4.70E-04	4.36E-04	9.06E-04
641	4.12E-04	3.82E-04	7.94E-04
642	3.52E-04	3.25E-04	6.77E-04
643	3.04E-04	2.77E-04	5.81E-04
644	2.57E-04	2.30E-04	4.87E-04
645	2.07E-04	1.80E-04	3.87E-04
646	1.74E-04	1.49E-04	3.23E-04
647	1.72E-04	1.45E-04	3.17E-04
648	1.86E-04	1.57E-04	3.43E-04

649	4.65E-04	4.23E-04	8.88E-04
650	4.06E-04	3.70E-04	7.76E-04
651	3.63E-04	3.28E-04	6.91E-04
652	3.27E-04	2.97E-04	6.24E-04
653	2.86E-04	2.60E-04	5.46E-04
654	2.41E-04	2.15E-04	4.56E-04
655	2.03E-04	1.78E-04	3.81E-04
656	1.71E-04	1.44E-04	3.15E-04
657	1.84E-04	1.56E-04	3.40E-04
658	1.99E-04	1.69E-04	3.68E-04
659	2.15E-04	1.85E-04	4.00E-04
660	2.34E-04	2.02E-04	4.36E-04
661	2.57E-04	2.22E-04	4.79E-04
662	2.82E-04	2.46E-04	5.28E-04
663	3.12E-04	2.74E-04	5.86E-04
664	3.48E-04	3.08E-04	6.56E-04
665	4.02E-04	3.58E-04	7.60E-04
666	3.55E-04	3.17E-04	6.72E-04
667	3.20E-04	2.84E-04	6.04E-04
668	2.92E-04	2.61E-04	5.53E-04
669	2.67E-04	2.37E-04	5.04E-04
670	2.36E-04	2.11E-04	4.47E-04
671	1.69E-04	1.43E-04	3.12E-04
672	1.81E-04	1.54E-04	3.35E-04
673	1.96E-04	1.67E-04	3.63E-04
674	2.12E-04	1.82E-04	3.94E-04
675	2.30E-04	1.98E-04	4.28E-04
676	2.51E-04	2.18E-04	4.69E-04
677	2.75E-04	2.40E-04	5.15E-04
678	3.04E-04	2.67E-04	5.71E-04
679	3.37E-04	2.98E-04	6.35E-04
680	3.77E-04	3.35E-04	7.12E-04
681	4.24E-04	3.80E-04	8.04E-04
682	4.81E-04	4.35E-04	9.16E-04
683	5.53E-04	5.03E-04	1.06E-03
684	6.43E-04	5.89E-04	1.23E-03
685	7.58E-04	6.98E-04	1.46E-03
686	9.07E-04	8.37E-04	1.74E-03
687	1.11E-03	1.02E-03	2.13E-03
688	3.52E-04	3.06E-04	6.58E-04
689	3.14E-04	2.75E-04	5.89E-04
690	2.85E-04	2.49E-04	5.34E-04
691	2.59E-04	2.28E-04	4.87E-04
692	2.40E-04	2.10E-04	4.50E-04
693	1.66E-04	1.40E-04	3.06E-04
694	1.78E-04	1.51E-04	3.29E-04
695	1.92E-04	1.64E-04	3.56E-04
696	2.07E-04	1.78E-04	3.85E-04
697	2.24E-04	1.94E-04	4.18E-04
698	2.44E-04	2.12E-04	4.56E-04

699	2.67E-04	2.33E-04	5.00E-04
700	2.93E-04	2.57E-04	5.50E-04
701	3.23E-04	2.86E-04	6.09E-04
702	3.59E-04	3.20E-04	6.79E-04
703	4.02E-04	3.60E-04	7.62E-04
704	4.53E-04	4.08E-04	8.61E-04
705	5.15E-04	4.67E-04	9.82E-04
706	5.92E-04	5.39E-04	1.13E-03
707	6.87E-04	6.27E-04	1.31E-03
708	8.04E-04	7.32E-04	1.54E-03
709	9.53E-04	8.62E-04	1.82E-03
710	1.14E-03	1.02E-03	2.16E-03
711	1.37E-03	1.19E-03	2.56E-03
712	3.12E-04	2.65E-04	5.77E-04
713	2.78E-04	2.40E-04	5.18E-04
714	2.54E-04	2.19E-04	4.73E-04
715	2.33E-04	2.02E-04	4.35E-04
716	1.63E-04	1.38E-04	3.01E-04
717	1.74E-04	1.48E-04	3.22E-04
718	1.87E-04	1.60E-04	3.47E-04
719	2.01E-04	1.73E-04	3.74E-04
720	2.17E-04	1.88E-04	4.05E-04
721	2.36E-04	2.05E-04	4.41E-04
722	2.57E-04	2.24E-04	4.81E-04
723	2.81E-04	2.47E-04	5.28E-04
724	3.08E-04	2.73E-04	5.81E-04
725	3.41E-04	3.03E-04	6.44E-04
726	3.78E-04	3.39E-04	7.17E-04
727	4.23E-04	3.81E-04	8.04E-04
728	4.77E-04	4.31E-04	9.08E-04
729	5.41E-04	4.90E-04	1.03E-03
730	6.18E-04	5.60E-04	1.18E-03
731	7.10E-04	6.41E-04	1.35E-03
732	8.20E-04	7.35E-04	1.56E-03
733	9.48E-04	8.39E-04	1.79E-03
734	1.09E-03	9.48E-04	2.04E-03
735	1.23E-03	1.05E-03	2.28E-03
736	1.34E-03	1.14E-03	2.48E-03
737	1.42E-03	1.21E-03	2.63E-03
738	1.42E-03	1.22E-03	2.64E-03
739	2.77E-04	2.31E-04	5.08E-04
740	2.49E-04	2.11E-04	4.60E-04
741	2.29E-04	1.95E-04	4.24E-04
742	1.59E-04	1.34E-04	2.93E-04
743	1.69E-04	1.44E-04	3.13E-04
744	1.81E-04	1.55E-04	3.36E-04
745	1.95E-04	1.68E-04	3.63E-04
746	2.10E-04	1.82E-04	3.92E-04
747	2.27E-04	1.97E-04	4.24E-04
748	2.46E-04	2.15E-04	4.61E-04

749	2.68E-04	2.36E-04	5.04E-04
750	2.93E-04	2.59E-04	5.52E-04
751	3.21E-04	2.86E-04	6.07E-04
752	3.55E-04	3.17E-04	6.72E-04
753	3.94E-04	3.53E-04	7.47E-04
754	4.40E-04	3.96E-04	8.36E-04
755	4.93E-04	4.44E-04	9.37E-04
756	5.54E-04	4.99E-04	1.05E-03
757	6.25E-04	5.60E-04	1.19E-03
758	7.05E-04	6.28E-04	1.33E-03
759	7.93E-04	7.01E-04	1.49E-03
760	8.81E-04	7.72E-04	1.65E-03
761	9.63E-04	8.37E-04	1.80E-03
762	1.03E-03	8.91E-04	1.92E-03
763	1.07E-03	9.27E-04	2.00E-03
764	1.07E-03	9.40E-04	2.01E-03
765	1.04E-03	9.27E-04	1.97E-03
766	9.86E-04	8.92E-04	1.88E-03
767	2.47E-04	2.03E-04	4.50E-04
768	2.24E-04	1.87E-04	4.11E-04
769	1.54E-04	1.31E-04	2.85E-04
770	1.64E-04	1.40E-04	3.04E-04
771	1.75E-04	1.51E-04	3.26E-04
772	1.88E-04	1.62E-04	3.50E-04
773	2.02E-04	1.75E-04	3.77E-04
774	2.17E-04	1.89E-04	4.06E-04
775	2.35E-04	2.06E-04	4.41E-04
776	2.55E-04	2.24E-04	4.79E-04
777	2.77E-04	2.45E-04	5.22E-04
778	3.03E-04	2.69E-04	5.72E-04
779	3.32E-04	2.96E-04	6.28E-04
780	3.66E-04	3.27E-04	6.93E-04
781	4.04E-04	3.62E-04	7.66E-04
782	4.48E-04	4.01E-04	8.49E-04
783	4.97E-04	4.45E-04	9.42E-04
784	5.50E-04	4.91E-04	1.04E-03
785	6.09E-04	5.41E-04	1.15E-03
786	6.69E-04	5.91E-04	1.26E-03
787	7.28E-04	6.40E-04	1.37E-03
788	7.80E-04	6.83E-04	1.46E-03
789	8.20E-04	7.17E-04	1.54E-03
790	8.43E-04	7.38E-04	1.58E-03
791	8.46E-04	7.46E-04	1.59E-03
792	8.36E-04	7.40E-04	1.58E-03
793	8.31E-04	7.41E-04	1.57E-03
794	2.22E-04	1.80E-04	4.02E-04
795	1.50E-04	1.27E-04	2.77E-04
796	1.59E-04	1.36E-04	2.95E-04
797	1.69E-04	1.46E-04	3.15E-04
798	1.81E-04	1.56E-04	3.37E-04

799	1.94E-04	1.68E-04	3.62E-04
800	2.08E-04	1.81E-04	3.89E-04
801	2.24E-04	1.96E-04	4.20E-04
802	2.42E-04	2.13E-04	4.55E-04
803	2.62E-04	2.32E-04	4.94E-04
804	2.85E-04	2.53E-04	5.38E-04
805	3.10E-04	2.76E-04	5.86E-04
806	3.39E-04	3.02E-04	6.41E-04
807	3.71E-04	3.31E-04	7.02E-04
808	4.07E-04	3.63E-04	7.70E-04
809	4.45E-04	3.97E-04	8.42E-04
810	4.87E-04	4.33E-04	9.20E-04
811	5.30E-04	4.70E-04	1.00E-03
812	5.72E-04	5.06E-04	1.08E-03
813	6.13E-04	5.40E-04	1.15E-03
814	6.47E-04	5.70E-04	1.22E-03
815	6.65E-04	5.86E-04	1.25E-03
816	6.82E-04	6.03E-04	1.29E-03
817	7.01E-04	6.19E-04	1.32E-03
818	7.14E-04	6.30E-04	1.34E-03
819	1.45E-04	1.23E-04	2.68E-04
820	1.53E-04	1.31E-04	2.84E-04
821	1.63E-04	1.40E-04	3.03E-04
822	1.74E-04	1.50E-04	3.24E-04
823	1.86E-04	1.61E-04	3.47E-04
824	1.99E-04	1.73E-04	3.72E-04
825	2.13E-04	1.87E-04	4.00E-04
826	2.29E-04	2.02E-04	4.31E-04
827	2.47E-04	2.18E-04	4.65E-04
828	2.67E-04	2.37E-04	5.04E-04
829	2.89E-04	2.57E-04	5.46E-04
830	3.14E-04	2.79E-04	5.93E-04
831	3.41E-04	3.04E-04	6.45E-04
832	3.70E-04	3.29E-04	6.99E-04
833	4.00E-04	3.56E-04	7.56E-04
834	4.32E-04	3.84E-04	8.16E-04
835	4.64E-04	4.11E-04	8.75E-04
836	4.95E-04	4.38E-04	9.33E-04
837	5.24E-04	4.62E-04	9.86E-04
838	5.48E-04	4.83E-04	1.03E-03
839	5.58E-04	4.92E-04	1.05E-03
840	5.79E-04	5.14E-04	1.09E-03
841	5.94E-04	5.27E-04	1.12E-03
842	5.79E-04	5.15E-04	1.09E-03
843	1.40E-04	1.19E-04	2.59E-04
844	1.48E-04	1.27E-04	2.75E-04
845	1.57E-04	1.35E-04	2.92E-04
846	1.67E-04	1.44E-04	3.11E-04
847	1.78E-04	1.55E-04	3.33E-04
848	1.90E-04	1.66E-04	3.56E-04

849	2.03E-04	1.78E-04	3.81E-04
850	2.17E-04	1.91E-04	4.08E-04
851	2.33E-04	2.06E-04	4.39E-04
852	2.51E-04	2.22E-04	4.73E-04
853	2.70E-04	2.39E-04	5.09E-04
854	2.91E-04	2.58E-04	5.49E-04
855	3.13E-04	2.78E-04	5.91E-04
856	3.37E-04	2.99E-04	6.36E-04
857	3.61E-04	3.20E-04	6.81E-04
858	3.85E-04	3.41E-04	7.26E-04
859	4.10E-04	3.62E-04	7.72E-04
860	4.33E-04	3.82E-04	8.15E-04
861	4.53E-04	4.00E-04	8.53E-04
862	4.67E-04	4.14E-04	8.81E-04
863	4.84E-04	4.27E-04	9.11E-04
864	4.97E-04	4.42E-04	9.39E-04
865	5.07E-04	4.51E-04	9.58E-04
866	2.91E-04	2.60E-04	5.51E-04
867	1.35E-04	1.16E-04	2.51E-04
868	1.43E-04	1.23E-04	2.66E-04
869	1.51E-04	1.30E-04	2.81E-04
870	1.60E-04	1.39E-04	2.99E-04
871	1.70E-04	1.48E-04	3.18E-04
872	1.81E-04	1.58E-04	3.39E-04
873	1.93E-04	1.69E-04	3.62E-04
874	2.06E-04	1.81E-04	3.87E-04
875	2.20E-04	1.94E-04	4.14E-04
876	2.35E-04	2.08E-04	4.43E-04
877	2.52E-04	2.23E-04	4.75E-04
878	2.69E-04	2.38E-04	5.07E-04
879	2.88E-04	2.55E-04	5.43E-04
880	3.07E-04	2.71E-04	5.78E-04
881	3.26E-04	2.89E-04	6.15E-04
882	3.46E-04	3.05E-04	6.51E-04
883	3.64E-04	3.22E-04	6.86E-04
884	3.82E-04	3.37E-04	7.19E-04
885	3.97E-04	3.51E-04	7.48E-04
886	4.07E-04	3.59E-04	7.66E-04
887	4.19E-04	3.70E-04	7.89E-04
888	4.33E-04	3.84E-04	8.17E-04
889	4.32E-04	3.85E-04	8.17E-04
890	2.70E-04	2.40E-04	5.10E-04
891	2.54E-04	2.25E-04	4.79E-04
892	2.39E-04	2.10E-04	4.49E-04
893	2.26E-04	1.97E-04	4.23E-04
894	1.31E-04	1.12E-04	2.43E-04
895	1.38E-04	1.18E-04	2.56E-04
896	1.45E-04	1.25E-04	2.70E-04
897	1.54E-04	1.33E-04	2.87E-04
898	1.63E-04	1.42E-04	3.05E-04

899	1.73E-04	1.51E-04	3.24E-04
900	1.84E-04	1.60E-04	3.44E-04
901	1.95E-04	1.71E-04	3.66E-04
902	2.07E-04	1.82E-04	3.89E-04
903	2.21E-04	1.94E-04	4.15E-04
904	2.35E-04	2.07E-04	4.42E-04
905	2.50E-04	2.20E-04	4.70E-04
906	2.65E-04	2.34E-04	4.99E-04
907	2.80E-04	2.47E-04	5.27E-04
908	2.96E-04	2.61E-04	5.57E-04
909	3.11E-04	2.75E-04	5.86E-04
910	3.26E-04	2.87E-04	6.13E-04
911	3.36E-04	2.98E-04	6.34E-04
912	3.49E-04	3.09E-04	6.58E-04
913	3.58E-04	3.14E-04	6.72E-04
914	3.74E-04	3.29E-04	7.03E-04
915	3.82E-04	3.39E-04	7.21E-04
916	3.80E-04	3.38E-04	7.18E-04
917	2.51E-04	2.22E-04	4.73E-04
918	2.37E-04	2.09E-04	4.46E-04
919	2.24E-04	1.96E-04	4.20E-04
920	2.12E-04	1.84E-04	3.96E-04
921	2.02E-04	1.73E-04	3.75E-04
922	1.26E-04	1.08E-04	2.34E-04
923	1.33E-04	1.14E-04	2.47E-04
924	1.40E-04	1.20E-04	2.60E-04
925	1.47E-04	1.28E-04	2.75E-04
926	1.56E-04	1.35E-04	2.91E-04
927	1.65E-04	1.43E-04	3.08E-04
928	1.74E-04	1.52E-04	3.26E-04
929	1.85E-04	1.62E-04	3.47E-04
930	1.96E-04	1.71E-04	3.67E-04
931	2.07E-04	1.82E-04	3.89E-04
932	2.19E-04	1.93E-04	4.12E-04
933	2.31E-04	2.04E-04	4.35E-04
934	2.44E-04	2.15E-04	4.59E-04
935	2.57E-04	2.26E-04	4.83E-04
936	2.70E-04	2.38E-04	5.08E-04
937	2.82E-04	2.48E-04	5.30E-04
938	2.93E-04	2.58E-04	5.51E-04
939	3.01E-04	2.65E-04	5.66E-04
940	3.10E-04	2.73E-04	5.83E-04
941	3.20E-04	2.81E-04	6.01E-04
942	3.34E-04	2.94E-04	6.28E-04
943	3.35E-04	2.96E-04	6.31E-04
944	3.19E-04	2.82E-04	6.01E-04
945	2.33E-04	2.06E-04	4.39E-04
946	2.21E-04	1.94E-04	4.15E-04
947	2.10E-04	1.84E-04	3.94E-04
948	2.00E-04	1.73E-04	3.73E-04

949	1.90E-04	1.63E-04	3.53E-04
950	1.82E-04	1.55E-04	3.37E-04
951	1.22E-04	1.04E-04	2.26E-04
952	1.28E-04	1.10E-04	2.38E-04
953	1.35E-04	1.16E-04	2.51E-04
954	1.41E-04	1.22E-04	2.63E-04
955	1.49E-04	1.29E-04	2.78E-04
956	1.57E-04	1.37E-04	2.94E-04
957	1.66E-04	1.44E-04	3.10E-04
958	1.75E-04	1.53E-04	3.28E-04
959	1.84E-04	1.61E-04	3.45E-04
960	1.94E-04	1.70E-04	3.64E-04
961	2.05E-04	1.79E-04	3.84E-04
962	2.15E-04	1.89E-04	4.04E-04
963	2.26E-04	1.98E-04	4.24E-04
964	2.36E-04	2.08E-04	4.44E-04
965	2.47E-04	2.17E-04	4.64E-04
966	2.57E-04	2.26E-04	4.83E-04
967	2.66E-04	2.33E-04	4.99E-04
968	2.71E-04	2.38E-04	5.09E-04
969	2.81E-04	2.46E-04	5.27E-04
970	2.92E-04	2.57E-04	5.49E-04
971	2.17E-04	1.91E-04	4.08E-04
972	2.07E-04	1.81E-04	3.88E-04
973	1.98E-04	1.72E-04	3.70E-04
974	1.88E-04	1.63E-04	3.51E-04
975	1.80E-04	1.54E-04	3.34E-04
976	1.72E-04	1.46E-04	3.18E-04
977	1.18E-04	1.00E-04	2.18E-04
978	1.23E-04	1.06E-04	2.29E-04
979	1.29E-04	1.11E-04	2.40E-04
980	1.36E-04	1.17E-04	2.53E-04
981	1.42E-04	1.23E-04	2.65E-04
982	1.50E-04	1.30E-04	2.80E-04
983	1.57E-04	1.37E-04	2.94E-04
984	1.65E-04	1.44E-04	3.09E-04
985	1.73E-04	1.52E-04	3.25E-04
986	1.82E-04	1.59E-04	3.41E-04
987	1.91E-04	1.67E-04	3.58E-04
988	2.00E-04	1.75E-04	3.75E-04
989	2.09E-04	1.83E-04	3.92E-04
990	2.18E-04	1.91E-04	4.09E-04
991	2.26E-04	1.98E-04	4.24E-04
992	2.35E-04	2.06E-04	4.41E-04
993	2.42E-04	2.13E-04	4.55E-04
994	2.47E-04	2.18E-04	4.65E-04
995	2.54E-04	2.22E-04	4.76E-04
996	2.02E-04	1.77E-04	3.79E-04
997	1.95E-04	1.69E-04	3.64E-04
998	1.85E-04	1.61E-04	3.46E-04

999	1.78E-04	1.53E-04	3.31E-04
1000	1.70E-04	1.46E-04	3.16E-04
1001	1.63E-04	1.39E-04	3.02E-04
1002	1.56E-04	1.32E-04	2.88E-04
1003	1.13E-04	9.68E-05	2.10E-04
1004	1.19E-04	1.02E-04	2.21E-04
1005	1.24E-04	1.07E-04	2.31E-04
1006	1.30E-04	1.12E-04	2.42E-04
1007	1.36E-04	1.18E-04	2.54E-04
1008	1.42E-04	1.24E-04	2.66E-04
1009	1.49E-04	1.30E-04	2.79E-04
1010	1.56E-04	1.36E-04	2.92E-04
1011	1.63E-04	1.43E-04	3.06E-04
1012	1.71E-04	1.49E-04	3.20E-04
1013	1.79E-04	1.56E-04	3.35E-04
1014	1.86E-04	1.63E-04	3.49E-04
1015	1.94E-04	1.70E-04	3.64E-04
1016	2.01E-04	1.76E-04	3.77E-04
1017	2.08E-04	1.82E-04	3.90E-04
1018	2.15E-04	1.88E-04	4.03E-04
1019	2.22E-04	1.94E-04	4.16E-04
1020	2.27E-04	1.99E-04	4.26E-04
1021	2.31E-04	2.01E-04	4.32E-04
1022	1.91E-04	1.65E-04	3.56E-04
1023	1.83E-04	1.58E-04	3.41E-04
1024	1.74E-04	1.51E-04	3.25E-04
1025	1.68E-04	1.44E-04	3.12E-04
1026	1.61E-04	1.38E-04	2.99E-04
1027	1.55E-04	1.31E-04	2.86E-04
1028	1.49E-04	1.26E-04	2.75E-04
1029	1.43E-04	1.19E-04	2.62E-04
1030	1.09E-04	9.31E-05	2.02E-04
1031	1.11E-04	9.53E-05	2.06E-04
1032	1.16E-04	9.96E-05	2.16E-04
1033	1.21E-04	1.04E-04	2.25E-04
1034	1.27E-04	1.10E-04	2.37E-04
1035	1.35E-04	1.17E-04	2.52E-04
1036	1.39E-04	1.21E-04	2.60E-04
1037	1.45E-04	1.26E-04	2.71E-04
1038	1.53E-04	1.34E-04	2.87E-04
1039	1.60E-04	1.40E-04	3.00E-04
1040	1.67E-04	1.46E-04	3.13E-04
1041	1.74E-04	1.52E-04	3.26E-04
1042	1.80E-04	1.57E-04	3.37E-04
1043	1.86E-04	1.63E-04	3.49E-04
1044	1.93E-04	1.68E-04	3.61E-04
1045	1.98E-04	1.73E-04	3.71E-04
1046	2.04E-04	1.78E-04	3.82E-04
1047	2.08E-04	1.82E-04	3.90E-04
1048	2.11E-04	1.85E-04	3.96E-04

1049	2.16E-04	1.89E-04	4.05E-04
1050	2.25E-04	1.98E-04	4.23E-04
1051	1.79E-04	1.54E-04	3.33E-04
1052	1.71E-04	1.48E-04	3.19E-04
1053	1.64E-04	1.42E-04	3.06E-04
1054	1.58E-04	1.36E-04	2.94E-04
1055	1.53E-04	1.30E-04	2.83E-04
1056	1.47E-04	1.25E-04	2.72E-04
1057	1.42E-04	1.20E-04	2.62E-04
1058	1.36E-04	1.14E-04	2.50E-04
1059	1.04E-04	8.84E-05	1.92E-04
1060	1.07E-04	9.12E-05	1.98E-04
1061	1.11E-04	9.52E-05	2.06E-04
1062	1.16E-04	9.95E-05	2.16E-04
1063	1.21E-04	1.04E-04	2.25E-04
1064	1.26E-04	1.09E-04	2.35E-04
1065	1.32E-04	1.14E-04	2.46E-04
1066	1.37E-04	1.19E-04	2.56E-04
1067	1.45E-04	1.26E-04	2.71E-04
1068	1.51E-04	1.31E-04	2.82E-04
1069	1.57E-04	1.37E-04	2.94E-04
1070	1.61E-04	1.41E-04	3.02E-04
1071	1.66E-04	1.46E-04	3.12E-04
1072	1.73E-04	1.51E-04	3.24E-04
1073	1.78E-04	1.55E-04	3.33E-04
1074	1.82E-04	1.59E-04	3.41E-04
1075	1.86E-04	1.63E-04	3.49E-04
1076	1.91E-04	1.66E-04	3.57E-04
1077	1.94E-04	1.69E-04	3.63E-04
1078	1.99E-04	1.73E-04	3.72E-04
1079	2.03E-04	1.77E-04	3.80E-04
1080	2.07E-04	1.82E-04	3.89E-04
1081	2.11E-04	1.86E-04	3.97E-04
1082	1.69E-04	1.45E-04	3.14E-04
1083	1.63E-04	1.40E-04	3.03E-04
1084	1.57E-04	1.34E-04	2.91E-04
1085	1.50E-04	1.28E-04	2.78E-04
1086	1.45E-04	1.23E-04	2.68E-04
1087	1.41E-04	1.19E-04	2.60E-04
1088	1.36E-04	1.14E-04	2.50E-04
1089	1.31E-04	1.09E-04	2.40E-04
1090	9.92E-05	8.44E-05	1.84E-04
1091	1.03E-04	8.76E-05	1.91E-04
1092	1.07E-04	9.14E-05	1.98E-04
1093	1.11E-04	9.53E-05	2.06E-04
1094	1.16E-04	9.97E-05	2.16E-04
1095	1.20E-04	1.04E-04	2.24E-04
1096	1.25E-04	1.08E-04	2.33E-04
1097	1.31E-04	1.13E-04	2.44E-04
1098	1.37E-04	1.19E-04	2.56E-04

1099	1.42E-04	1.24E-04	2.66E-04
1100	1.47E-04	1.27E-04	2.74E-04
1101	1.51E-04	1.31E-04	2.82E-04
1102	1.55E-04	1.35E-04	2.90E-04
1103	1.60E-04	1.40E-04	3.00E-04
1104	1.64E-04	1.44E-04	3.08E-04
1105	1.69E-04	1.47E-04	3.16E-04
1106	1.73E-04	1.50E-04	3.23E-04
1107	1.76E-04	1.53E-04	3.29E-04
1108	1.79E-04	1.56E-04	3.35E-04
1109	1.82E-04	1.58E-04	3.40E-04
1110	1.85E-04	1.60E-04	3.45E-04
1111	1.89E-04	1.65E-04	3.54E-04
1112	1.91E-04	1.67E-04	3.58E-04
1113	1.92E-04	1.68E-04	3.60E-04
1114	1.95E-04	1.70E-04	3.65E-04
1115	1.56E-04	1.34E-04	2.90E-04
1116	1.51E-04	1.30E-04	2.81E-04
1117	1.48E-04	1.26E-04	2.74E-04
1118	1.42E-04	1.21E-04	2.63E-04
1119	1.38E-04	1.17E-04	2.55E-04
1120	1.34E-04	1.13E-04	2.47E-04
1121	1.30E-04	1.09E-04	2.39E-04
1122	1.27E-04	1.06E-04	2.33E-04
1123	1.33E-04	4.45E-05	1.78E-04
1124	1.35E-04	4.57E-05	1.81E-04
1125	1.36E-04	4.70E-05	1.83E-04
1126	1.38E-04	4.84E-05	1.86E-04
1127	1.40E-04	4.97E-05	1.90E-04
1128	1.42E-04	5.11E-05	1.93E-04
1129	1.42E-04	5.26E-05	1.95E-04
1130	1.44E-04	5.40E-05	1.98E-04
1131	1.45E-04	5.55E-05	2.01E-04
1132	1.47E-04	5.71E-05	2.04E-04
1133	1.49E-04	5.86E-05	2.08E-04
1134	1.51E-04	6.01E-05	2.11E-04
1135	1.44E-04	5.23E-05	1.96E-04
1136	1.39E-04	4.56E-05	1.85E-04
1137	1.40E-04	4.64E-05	1.86E-04
1138	1.02E-04	3.35E-05	1.36E-04
1139	1.03E-04	3.39E-05	1.37E-04
1140	1.31E-04	3.97E-05	1.71E-04
1141	1.46E-04	4.65E-05	1.93E-04
1142	1.53E-04	5.24E-05	2.05E-04
1143	1.59E-04	5.55E-05	2.15E-04
1144	1.65E-04	5.64E-05	2.21E-04
1145	1.74E-04	5.64E-05	2.30E-04
1146	1.88E-04	5.69E-05	2.45E-04
1147	2.10E-04	5.49E-05	2.65E-04
1148	2.56E-04	5.43E-05	3.10E-04

1149	2.93E-04	5.02E-05	3.43E-04
1150	1.97E-04	4.84E-05	2.45E-04
1151	1.49E-04	4.66E-05	1.96E-04
1152	1.16E-04	4.41E-05	1.60E-04
1153	8.84E-05	3.84E-05	1.27E-04
1154	7.49E-05	3.41E-05	1.09E-04
1155	6.90E-05	3.30E-05	1.02E-04
1156	6.57E-05	3.30E-05	9.87E-05
1157	6.26E-05	3.28E-05	9.54E-05
1158	6.08E-05	3.32E-05	9.40E-05
1159	5.83E-05	3.28E-05	9.11E-05
1160	5.70E-05	3.31E-05	9.01E-05
1161	5.56E-05	3.31E-05	8.87E-05
1162	5.45E-05	3.32E-05	8.77E-05
1163	5.33E-05	3.32E-05	8.65E-05
1164	5.18E-05	3.28E-05	8.46E-05
1165	5.06E-05	3.26E-05	8.32E-05
1166	4.97E-05	3.25E-05	8.22E-05
1167	4.91E-05	3.26E-05	8.17E-05
1168	4.85E-05	3.26E-05	8.11E-05
1169	4.79E-05	3.26E-05	8.05E-05
1170	4.74E-05	3.27E-05	8.01E-05
1171	4.71E-05	3.29E-05	8.00E-05
1172	4.68E-05	3.31E-05	7.99E-05
1173	4.64E-05	3.32E-05	7.96E-05
1174	4.61E-05	3.34E-05	7.95E-05
1175	4.58E-05	3.35E-05	7.93E-05
1176	4.55E-05	3.36E-05	7.91E-05
1177	4.50E-05	3.35E-05	7.85E-05
1178	4.46E-05	3.35E-05	7.81E-05
1179	4.46E-05	3.36E-05	7.82E-05
1180	4.48E-05	3.39E-05	7.87E-05
1181	4.51E-05	3.42E-05	7.93E-05
1182	1.19E-04	4.56E-05	1.65E-04
1183	1.22E-04	4.70E-05	1.69E-04
1184	1.24E-04	4.84E-05	1.72E-04
1185	1.26E-04	4.98E-05	1.76E-04
1186	1.28E-04	5.12E-05	1.79E-04
1187	1.30E-04	5.27E-05	1.83E-04
1188	1.31E-04	5.43E-05	1.85E-04
1189	1.33E-04	5.59E-05	1.89E-04
1190	1.35E-04	5.75E-05	1.93E-04
1191	1.37E-04	5.91E-05	1.96E-04
1192	1.39E-04	6.08E-05	2.00E-04
1193	1.41E-04	6.25E-05	2.04E-04
1194	1.34E-04	5.37E-05	1.88E-04
1195	1.32E-04	5.08E-05	1.83E-04
1196	1.31E-04	4.82E-05	1.79E-04
1197	9.80E-05	3.49E-05	1.33E-04
1198	1.08E-04	3.75E-05	1.46E-04

1199	1.32E-04	4.57E-05	1.78E-04
1200	1.42E-04	5.36E-05	1.96E-04
1201	1.47E-04	5.69E-05	2.04E-04
1202	1.54E-04	6.06E-05	2.15E-04
1203	1.60E-04	6.06E-05	2.21E-04
1204	1.70E-04	6.14E-05	2.31E-04
1205	1.82E-04	6.03E-05	2.42E-04
1206	2.05E-04	5.60E-05	2.61E-04
1207	2.53E-04	5.70E-05	3.10E-04
1208	2.99E-04	5.19E-05	3.51E-04
1209	2.06E-04	5.08E-05	2.57E-04
1210	1.62E-04	4.99E-05	2.12E-04
1211	1.10E-04	4.37E-05	1.54E-04
1212	8.73E-05	3.81E-05	1.25E-04
1213	7.62E-05	3.50E-05	1.11E-04
1214	7.07E-05	3.42E-05	1.05E-04
1215	6.72E-05	3.42E-05	1.01E-04
1216	6.45E-05	3.43E-05	9.88E-05
1217	6.22E-05	3.44E-05	9.66E-05
1218	6.04E-05	3.45E-05	9.49E-05
1219	5.90E-05	3.47E-05	9.37E-05
1220	5.78E-05	3.49E-05	9.27E-05
1221	5.66E-05	3.50E-05	9.16E-05
1222	5.54E-05	3.49E-05	9.03E-05
1223	5.39E-05	3.45E-05	8.84E-05
1224	5.27E-05	3.44E-05	8.71E-05
1225	5.18E-05	3.43E-05	8.61E-05
1226	5.10E-05	3.42E-05	8.52E-05
1227	5.03E-05	3.43E-05	8.46E-05
1228	4.98E-05	3.44E-05	8.42E-05
1229	4.94E-05	3.46E-05	8.40E-05
1230	4.92E-05	3.48E-05	8.40E-05
1231	4.90E-05	3.51E-05	8.41E-05
1232	4.87E-05	3.52E-05	8.39E-05
1233	4.86E-05	3.54E-05	8.40E-05
1234	4.83E-05	3.56E-05	8.39E-05
1235	4.78E-05	3.56E-05	8.34E-05
1236	4.72E-05	3.55E-05	8.27E-05
1237	4.69E-05	3.54E-05	8.23E-05
1238	4.69E-05	3.56E-05	8.25E-05
1239	4.72E-05	3.59E-05	8.31E-05
1240	4.77E-05	3.65E-05	8.42E-05
1241	1.11E-04	4.68E-05	1.58E-04
1242	1.13E-04	4.83E-05	1.61E-04
1243	1.16E-04	4.97E-05	1.66E-04
1244	1.18E-04	5.12E-05	1.69E-04
1245	1.20E-04	5.28E-05	1.73E-04
1246	1.22E-04	5.44E-05	1.76E-04
1247	1.24E-04	5.60E-05	1.80E-04
1248	1.26E-04	5.77E-05	1.84E-04

1249	1.28E-04	5.95E-05	1.88E-04
1250	1.30E-04	6.13E-05	1.91E-04
1251	1.33E-04	6.31E-05	1.96E-04
1252	1.35E-04	6.49E-05	2.00E-04
1253	1.30E-04	5.91E-05	1.89E-04
1254	1.29E-04	5.66E-05	1.86E-04
1255	1.28E-04	5.41E-05	1.82E-04
1256	1.24E-04	4.86E-05	1.73E-04
1257	1.29E-04	5.17E-05	1.81E-04
1258	1.33E-04	5.40E-05	1.87E-04
1259	1.39E-04	5.87E-05	1.98E-04
1260	1.45E-04	6.20E-05	2.07E-04
1261	1.54E-04	6.67E-05	2.21E-04
1262	1.59E-04	6.53E-05	2.24E-04
1263	1.67E-04	6.46E-05	2.32E-04
1264	1.80E-04	6.31E-05	2.43E-04
1265	2.03E-04	5.92E-05	2.62E-04
1266	2.52E-04	6.03E-05	3.12E-04
1267	3.02E-04	5.40E-05	3.56E-04
1268	2.03E-04	5.20E-05	2.55E-04
1269	1.57E-04	5.08E-05	2.08E-04
1270	1.09E-04	4.43E-05	1.53E-04
1271	8.78E-05	3.86E-05	1.26E-04
1272	7.73E-05	3.58E-05	1.13E-04
1273	7.29E-05	3.58E-05	1.09E-04
1274	7.00E-05	3.63E-05	1.06E-04
1275	6.69E-05	3.62E-05	1.03E-04
1276	6.46E-05	3.63E-05	1.01E-04
1277	6.29E-05	3.65E-05	9.94E-05
1278	6.14E-05	3.67E-05	9.81E-05
1279	6.01E-05	3.69E-05	9.70E-05
1280	5.89E-05	3.69E-05	9.58E-05
1281	5.79E-05	3.69E-05	9.48E-05
1282	5.62E-05	3.65E-05	9.27E-05
1283	5.51E-05	3.64E-05	9.15E-05
1284	5.40E-05	3.63E-05	9.03E-05
1285	5.31E-05	3.62E-05	8.93E-05
1286	5.25E-05	3.63E-05	8.88E-05
1287	5.20E-05	3.64E-05	8.84E-05
1288	5.17E-05	3.67E-05	8.84E-05
1289	5.15E-05	3.69E-05	8.84E-05
1290	5.14E-05	3.72E-05	8.86E-05
1291	5.13E-05	3.75E-05	8.88E-05
1292	5.12E-05	3.77E-05	8.89E-05
1293	5.11E-05	3.80E-05	8.91E-05
1294	5.04E-05	3.78E-05	8.82E-05
1295	4.98E-05	3.76E-05	8.74E-05
1296	4.94E-05	3.76E-05	8.70E-05
1297	4.94E-05	3.78E-05	8.72E-05
1298	4.97E-05	3.81E-05	8.78E-05

1299	5.01E-05	3.86E-05	8.87E-05
1300	1.05E-04	4.81E-05	1.53E-04
1301	1.07E-04	4.96E-05	1.57E-04
1302	1.09E-04	5.11E-05	1.60E-04
1303	1.12E-04	5.27E-05	1.65E-04
1304	1.14E-04	5.44E-05	1.68E-04
1305	1.16E-04	5.61E-05	1.72E-04
1306	1.18E-04	5.79E-05	1.76E-04
1307	1.21E-04	5.97E-05	1.81E-04
1308	1.23E-04	6.16E-05	1.85E-04
1309	1.26E-04	6.35E-05	1.90E-04
1310	1.28E-04	6.55E-05	1.94E-04
1311	1.31E-04	6.75E-05	1.99E-04
1312	1.34E-04	6.95E-05	2.04E-04
1313	1.28E-04	6.23E-05	1.90E-04
1314	1.29E-04	6.16E-05	1.91E-04
1315	1.27E-04	5.85E-05	1.86E-04
1316	1.28E-04	5.77E-05	1.86E-04
1317	1.34E-04	6.10E-05	1.95E-04
1318	1.39E-04	6.43E-05	2.03E-04
1319	1.46E-04	6.84E-05	2.14E-04
1320	1.53E-04	7.12E-05	2.24E-04
1321	1.59E-04	7.08E-05	2.30E-04
1322	1.69E-04	7.12E-05	2.40E-04
1323	1.80E-04	6.74E-05	2.47E-04
1324	2.03E-04	6.25E-05	2.66E-04
1325	2.52E-04	6.36E-05	3.16E-04
1326	2.98E-04	5.58E-05	3.54E-04
1327	1.90E-04	5.27E-05	2.43E-04
1328	1.49E-04	5.15E-05	2.01E-04
1329	1.06E-04	4.38E-05	1.50E-04
1330	8.88E-05	3.94E-05	1.28E-04
1331	7.98E-05	3.76E-05	1.17E-04
1332	7.56E-05	3.79E-05	1.14E-04
1333	7.28E-05	3.84E-05	1.11E-04
1334	6.92E-05	3.81E-05	1.07E-04
1335	6.73E-05	3.86E-05	1.06E-04
1336	6.58E-05	3.90E-05	1.05E-04
1337	6.44E-05	3.92E-05	1.04E-04
1338	6.30E-05	3.93E-05	1.02E-04
1339	6.18E-05	3.93E-05	1.01E-04
1340	6.04E-05	3.92E-05	9.96E-05
1341	5.90E-05	3.89E-05	9.79E-05
1342	5.79E-05	3.88E-05	9.67E-05
1343	5.67E-05	3.85E-05	9.52E-05
1344	5.57E-05	3.85E-05	9.42E-05
1345	5.50E-05	3.86E-05	9.36E-05
1346	5.46E-05	3.88E-05	9.34E-05
1347	5.44E-05	3.91E-05	9.35E-05
1348	5.43E-05	3.94E-05	9.37E-05

1349	5.41E-05	3.97E-05	9.38E-05
1350	5.40E-05	3.99E-05	9.39E-05
1351	5.40E-05	4.02E-05	9.42E-05
1352	5.45E-05	4.07E-05	9.52E-05
1353	5.36E-05	4.05E-05	9.41E-05
1354	5.27E-05	4.01E-05	9.28E-05
1355	5.20E-05	4.00E-05	9.20E-05
1356	5.19E-05	4.01E-05	9.20E-05
1357	5.22E-05	4.04E-05	9.26E-05
1358	5.27E-05	4.09E-05	9.36E-05
1359	1.00E-04	4.94E-05	1.49E-04
1360	1.03E-04	5.09E-05	1.54E-04
1361	1.05E-04	5.26E-05	1.58E-04
1362	1.08E-04	5.43E-05	1.62E-04
1363	1.10E-04	5.61E-05	1.66E-04
1364	1.12E-04	5.79E-05	1.70E-04
1365	1.15E-04	5.98E-05	1.75E-04
1366	1.18E-04	6.17E-05	1.80E-04
1367	1.20E-04	6.38E-05	1.84E-04
1368	1.23E-04	6.58E-05	1.89E-04
1369	1.26E-04	6.79E-05	1.94E-04
1370	1.26E-04	6.81E-05	1.94E-04
1371	1.24E-04	6.39E-05	1.88E-04
1372	1.32E-04	7.15E-05	2.04E-04
1373	1.29E-04	6.74E-05	1.96E-04
1374	1.32E-04	6.88E-05	2.01E-04
1375	1.33E-04	6.80E-05	2.01E-04
1376	1.38E-04	7.07E-05	2.09E-04
1377	1.42E-04	7.12E-05	2.13E-04
1378	1.49E-04	7.56E-05	2.25E-04
1379	1.53E-04	7.46E-05	2.28E-04
1380	1.60E-04	7.40E-05	2.34E-04
1381	1.70E-04	7.49E-05	2.45E-04
1382	1.81E-04	7.07E-05	2.52E-04
1383	2.05E-04	6.68E-05	2.72E-04
1384	2.55E-04	6.65E-05	3.22E-04
1385	2.52E-04	5.56E-05	3.08E-04
1386	1.86E-04	5.49E-05	2.41E-04
1387	1.34E-04	5.04E-05	1.84E-04
1388	1.04E-04	4.37E-05	1.48E-04
1389	9.00E-05	4.05E-05	1.31E-04
1390	8.23E-05	3.95E-05	1.22E-04
1391	7.88E-05	4.03E-05	1.19E-04
1392	7.59E-05	4.09E-05	1.17E-04
1393	7.22E-05	4.06E-05	1.13E-04
1394	7.05E-05	4.11E-05	1.12E-04
1395	6.92E-05	4.17E-05	1.11E-04
1396	6.82E-05	4.22E-05	1.10E-04
1397	6.66E-05	4.22E-05	1.09E-04
1398	6.50E-05	4.20E-05	1.07E-04

1399	6.35E-05	4.18E-05	1.05E-04
1400	6.28E-05	4.20E-05	1.05E-04
1401	6.12E-05	4.15E-05	1.03E-04
1402	5.96E-05	4.11E-05	1.01E-04
1403	5.85E-05	4.10E-05	9.95E-05
1404	5.79E-05	4.12E-05	9.91E-05
1405	5.77E-05	4.15E-05	9.92E-05
1406	5.77E-05	4.19E-05	9.96E-05
1407	5.75E-05	4.22E-05	9.97E-05
1408	5.73E-05	4.24E-05	9.97E-05
1409	5.70E-05	4.26E-05	9.96E-05
1410	5.72E-05	4.30E-05	1.00E-04
1411	5.81E-05	4.39E-05	1.02E-04
1412	5.68E-05	4.32E-05	1.00E-04
1413	5.55E-05	4.27E-05	9.82E-05
1414	5.49E-05	4.26E-05	9.75E-05
1415	5.47E-05	4.27E-05	9.74E-05
1416	5.47E-05	4.28E-05	9.75E-05
1417	5.50E-05	4.31E-05	9.81E-05
1418	9.70E-05	5.07E-05	1.48E-04
1419	9.95E-05	5.23E-05	1.52E-04
1420	1.02E-04	5.41E-05	1.56E-04
1421	1.05E-04	5.59E-05	1.61E-04
1422	1.07E-04	5.78E-05	1.65E-04
1423	1.10E-04	5.97E-05	1.70E-04
1424	1.12E-04	6.17E-05	1.74E-04
1425	1.15E-04	6.39E-05	1.79E-04
1426	1.18E-04	6.60E-05	1.84E-04
1427	1.21E-04	6.83E-05	1.89E-04
1428	1.25E-04	7.05E-05	1.96E-04
1429	1.28E-04	7.28E-05	2.01E-04
1430	1.27E-04	7.13E-05	1.98E-04
1431	1.27E-04	7.13E-05	1.98E-04
1432	1.32E-04	7.45E-05	2.07E-04
1433	1.38E-04	7.73E-05	2.15E-04
1434	1.37E-04	7.57E-05	2.13E-04
1435	1.42E-04	7.81E-05	2.20E-04
1436	1.48E-04	8.17E-05	2.30E-04
1437	1.52E-04	8.13E-05	2.33E-04
1438	1.56E-04	8.02E-05	2.36E-04
1439	1.62E-04	7.95E-05	2.42E-04
1440	1.71E-04	7.76E-05	2.49E-04
1441	1.82E-04	7.26E-05	2.55E-04
1442	2.07E-04	7.10E-05	2.78E-04
1443	2.61E-04	6.87E-05	3.30E-04
1444	2.53E-04	5.89E-05	3.12E-04
1445	1.77E-04	5.63E-05	2.33E-04
1446	1.30E-04	5.07E-05	1.81E-04
1447	1.07E-04	4.57E-05	1.53E-04
1448	9.22E-05	4.23E-05	1.35E-04

1449	8.58E-05	4.22E-05	1.28E-04
1450	8.20E-05	4.28E-05	1.25E-04
1451	7.93E-05	4.36E-05	1.23E-04
1452	7.66E-05	4.40E-05	1.21E-04
1453	7.50E-05	4.46E-05	1.20E-04
1454	7.39E-05	4.53E-05	1.19E-04
1455	7.26E-05	4.57E-05	1.18E-04
1456	6.98E-05	4.49E-05	1.15E-04
1457	6.82E-05	4.48E-05	1.13E-04
1458	6.77E-05	4.52E-05	1.13E-04
1459	6.70E-05	4.54E-05	1.12E-04
1460	6.48E-05	4.46E-05	1.09E-04
1461	6.31E-05	4.41E-05	1.07E-04
1462	6.20E-05	4.40E-05	1.06E-04
1463	6.14E-05	4.42E-05	1.06E-04
1464	6.13E-05	4.46E-05	1.06E-04
1465	6.16E-05	4.52E-05	1.07E-04
1466	6.15E-05	4.55E-05	1.07E-04
1467	6.10E-05	4.56E-05	1.07E-04
1468	6.10E-05	4.60E-05	1.07E-04
1469	6.11E-05	4.63E-05	1.07E-04
1470	6.19E-05	4.72E-05	1.09E-04
1471	6.05E-05	4.65E-05	1.07E-04
1472	5.90E-05	4.59E-05	1.05E-04
1473	5.84E-05	4.57E-05	1.04E-04
1474	5.78E-05	4.55E-05	1.03E-04
1475	5.71E-05	4.52E-05	1.02E-04
1476	5.71E-05	4.52E-05	1.02E-04
1477	9.45E-05	5.20E-05	1.47E-04
1478	9.70E-05	5.37E-05	1.51E-04
1479	9.98E-05	5.56E-05	1.55E-04
1480	1.03E-04	5.75E-05	1.61E-04
1481	1.05E-04	5.95E-05	1.65E-04
1482	1.08E-04	6.16E-05	1.70E-04
1483	1.11E-04	6.38E-05	1.75E-04
1484	1.14E-04	6.60E-05	1.80E-04
1485	1.17E-04	6.84E-05	1.85E-04
1486	1.20E-04	7.08E-05	1.91E-04
1487	1.24E-04	7.33E-05	1.97E-04
1488	1.27E-04	7.58E-05	2.03E-04
1489	1.18E-04	6.55E-05	1.84E-04
1490	1.27E-04	7.43E-05	2.01E-04
1491	1.35E-04	8.17E-05	2.17E-04
1492	1.40E-04	8.45E-05	2.25E-04
1493	1.40E-04	8.22E-05	2.22E-04
1494	1.49E-04	8.74E-05	2.36E-04
1495	1.56E-04	9.33E-05	2.49E-04
1496	1.62E-04	9.24E-05	2.54E-04
1497	1.61E-04	8.78E-05	2.49E-04
1498	1.63E-04	8.21E-05	2.45E-04

1499	1.73E-04	8.20E-05	2.55E-04
1500	1.86E-04	7.76E-05	2.64E-04
1501	2.11E-04	7.45E-05	2.86E-04
1502	1.95E-04	5.73E-05	2.52E-04
1503	2.20E-04	5.90E-05	2.79E-04
1504	1.66E-04	5.69E-05	2.23E-04
1505	1.27E-04	5.10E-05	1.78E-04
1506	1.07E-04	4.69E-05	1.54E-04
1507	9.48E-05	4.44E-05	1.39E-04
1508	8.94E-05	4.50E-05	1.34E-04
1509	8.65E-05	4.63E-05	1.33E-04
1510	8.58E-05	4.84E-05	1.34E-04
1511	8.31E-05	4.88E-05	1.32E-04
1512	8.04E-05	4.88E-05	1.29E-04
1513	7.98E-05	4.99E-05	1.30E-04
1514	7.70E-05	4.93E-05	1.26E-04
1515	7.39E-05	4.84E-05	1.22E-04
1516	7.24E-05	4.83E-05	1.21E-04
1517	7.26E-05	4.92E-05	1.22E-04
1518	7.28E-05	5.00E-05	1.23E-04
1519	6.99E-05	4.87E-05	1.19E-04
1520	6.75E-05	4.78E-05	1.15E-04
1521	6.61E-05	4.76E-05	1.14E-04
1522	6.56E-05	4.78E-05	1.13E-04
1523	6.58E-05	4.84E-05	1.14E-04
1524	6.63E-05	4.91E-05	1.15E-04
1525	6.58E-05	4.93E-05	1.15E-04
1526	6.44E-05	4.89E-05	1.13E-04
1527	6.47E-05	4.94E-05	1.14E-04
1528	6.55E-05	5.02E-05	1.16E-04
1529	6.64E-05	5.11E-05	1.18E-04
1530	6.49E-05	5.04E-05	1.15E-04
1531	6.34E-05	4.96E-05	1.13E-04
1532	6.26E-05	4.93E-05	1.12E-04
1533	6.15E-05	4.87E-05	1.10E-04
1534	5.99E-05	4.78E-05	1.08E-04
1535	5.95E-05	4.76E-05	1.07E-04
1536	9.27E-05	5.33E-05	1.46E-04
1537	9.54E-05	5.52E-05	1.51E-04
1538	9.82E-05	5.72E-05	1.55E-04
1539	1.01E-04	5.92E-05	1.60E-04
1540	1.04E-04	6.13E-05	1.65E-04
1541	1.07E-04	6.36E-05	1.71E-04
1542	1.10E-04	6.59E-05	1.76E-04
1543	1.13E-04	6.83E-05	1.81E-04
1544	1.16E-04	7.08E-05	1.87E-04
1545	1.20E-04	7.35E-05	1.94E-04
1546	1.24E-04	7.62E-05	2.00E-04
1547	1.25E-04	7.81E-05	2.03E-04
1548	1.27E-04	7.76E-05	2.05E-04

1549	1.36E-04	8.49E-05	2.21E-04
1550	1.40E-04	8.79E-05	2.28E-04
1551	1.44E-04	9.05E-05	2.35E-04
1552	1.47E-04	9.20E-05	2.39E-04
1553	1.55E-04	9.70E-05	2.52E-04
1554	1.63E-04	1.01E-04	2.64E-04
1555	1.70E-04	1.04E-04	2.74E-04
1556	1.74E-04	1.04E-04	2.78E-04
1557	1.66E-04	8.62E-05	2.52E-04
1558	1.76E-04	8.59E-05	2.62E-04
1559	1.88E-04	8.10E-05	2.69E-04
1560	2.02E-04	6.80E-05	2.70E-04
1561	1.60E-04	5.43E-05	2.14E-04
1562	2.03E-04	5.93E-05	2.62E-04
1563	1.58E-04	5.71E-05	2.15E-04
1564	1.25E-04	5.09E-05	1.76E-04
1565	1.10E-04	4.92E-05	1.59E-04
1566	9.94E-05	4.79E-05	1.47E-04
1567	9.38E-05	4.84E-05	1.42E-04
1568	9.35E-05	5.14E-05	1.45E-04
1569	9.50E-05	5.50E-05	1.50E-04
1570	9.12E-05	5.47E-05	1.46E-04
1571	8.72E-05	5.40E-05	1.41E-04
1572	8.75E-05	5.57E-05	1.43E-04
1573	8.22E-05	5.35E-05	1.36E-04
1574	7.85E-05	5.22E-05	1.31E-04
1575	7.78E-05	5.27E-05	1.31E-04
1576	7.97E-05	5.47E-05	1.34E-04
1577	7.99E-05	5.55E-05	1.35E-04
1578	7.59E-05	5.35E-05	1.29E-04
1579	7.28E-05	5.22E-05	1.25E-04
1580	7.10E-05	5.17E-05	1.23E-04
1581	7.07E-05	5.21E-05	1.23E-04
1582	7.11E-05	5.28E-05	1.24E-04
1583	7.18E-05	5.38E-05	1.26E-04
1584	7.07E-05	5.36E-05	1.24E-04
1585	6.89E-05	5.28E-05	1.22E-04
1586	6.88E-05	5.31E-05	1.22E-04
1587	7.08E-05	5.47E-05	1.26E-04
1588	7.17E-05	5.57E-05	1.27E-04
1589	7.00E-05	5.48E-05	1.25E-04
1590	6.86E-05	5.41E-05	1.23E-04
1591	6.77E-05	5.36E-05	1.21E-04
1592	6.50E-05	5.19E-05	1.17E-04
1593	6.30E-05	5.07E-05	1.14E-04
1594	6.27E-05	5.05E-05	1.13E-04
1595	9.16E-05	5.47E-05	1.46E-04
1596	9.43E-05	5.66E-05	1.51E-04
1597	9.71E-05	5.87E-05	1.56E-04
1598	1.00E-04	6.09E-05	1.61E-04

1599	1.03E-04	6.32E-05	1.66E-04
1600	1.06E-04	6.56E-05	1.72E-04
1601	1.09E-04	6.81E-05	1.77E-04
1602	1.13E-04	7.07E-05	1.84E-04
1603	1.16E-04	7.34E-05	1.89E-04
1604	1.20E-04	7.62E-05	1.96E-04
1605	1.24E-04	7.92E-05	2.03E-04
1606	1.28E-04	8.22E-05	2.10E-04
1607	1.33E-04	8.54E-05	2.18E-04
1608	1.37E-04	8.87E-05	2.26E-04
1609	1.42E-04	9.21E-05	2.34E-04
1610	1.48E-04	9.56E-05	2.44E-04
1611	1.53E-04	9.91E-05	2.52E-04
1612	1.60E-04	1.03E-04	2.63E-04
1613	1.67E-04	1.07E-04	2.74E-04
1614	1.74E-04	1.10E-04	2.84E-04
1615	1.81E-04	1.13E-04	2.94E-04
1616	1.89E-04	1.14E-04	3.03E-04
1617	1.89E-04	1.02E-04	2.91E-04
1618	1.92E-04	8.69E-05	2.79E-04
1619	1.75E-04	6.51E-05	2.40E-04
1620	1.94E-04	6.44E-05	2.58E-04
1621	2.15E-04	6.51E-05	2.80E-04
1622	1.63E-04	6.11E-05	2.24E-04
1623	1.32E-04	5.57E-05	1.88E-04
1624	1.18E-04	5.45E-05	1.73E-04
1625	1.10E-04	5.53E-05	1.65E-04
1626	1.02E-04	5.45E-05	1.57E-04
1627	1.03E-04	5.83E-05	1.61E-04
1628	1.06E-04	6.30E-05	1.69E-04
1629	1.00E-04	6.15E-05	1.62E-04
1630	9.54E-05	6.02E-05	1.56E-04
1631	9.63E-05	6.23E-05	1.59E-04
1632	8.80E-05	5.82E-05	1.46E-04
1633	8.53E-05	5.76E-05	1.43E-04
1634	8.64E-05	5.93E-05	1.46E-04
1635	8.90E-05	6.19E-05	1.51E-04
1636	8.88E-05	6.26E-05	1.51E-04
1637	8.28E-05	5.92E-05	1.42E-04
1638	7.86E-05	5.71E-05	1.36E-04
1639	7.65E-05	5.64E-05	1.33E-04
1640	7.67E-05	5.71E-05	1.34E-04
1641	7.73E-05	5.81E-05	1.35E-04
1642	7.85E-05	5.95E-05	1.38E-04
1643	7.63E-05	5.85E-05	1.35E-04
1644	7.41E-05	5.75E-05	1.32E-04
1645	7.44E-05	5.80E-05	1.32E-04
1646	7.76E-05	6.05E-05	1.38E-04
1647	7.76E-05	6.08E-05	1.38E-04
1648	7.61E-05	6.01E-05	1.36E-04

1649	7.43E-05	5.90E-05	1.33E-04
1650	7.13E-05	5.71E-05	1.28E-04
1651	6.81E-05	5.50E-05	1.23E-04
1652	6.63E-05	5.38E-05	1.20E-04
1653	6.63E-05	5.37E-05	1.20E-04
1654	9.06E-05	5.60E-05	1.47E-04
1655	9.34E-05	5.81E-05	1.52E-04
1656	9.62E-05	6.03E-05	1.57E-04
1657	9.92E-05	6.26E-05	1.62E-04
1658	1.02E-04	6.50E-05	1.67E-04
1659	1.06E-04	6.76E-05	1.74E-04
1660	1.09E-04	7.03E-05	1.79E-04
1661	1.13E-04	7.31E-05	1.86E-04
1662	1.17E-04	7.60E-05	1.93E-04
1663	1.21E-04	7.91E-05	2.00E-04
1664	1.25E-04	8.23E-05	2.07E-04
1665	1.30E-04	8.57E-05	2.16E-04
1666	1.34E-04	8.92E-05	2.23E-04
1667	1.39E-04	9.28E-05	2.32E-04
1668	1.45E-04	9.65E-05	2.42E-04
1669	1.51E-04	1.00E-04	2.51E-04
1670	1.57E-04	1.04E-04	2.61E-04
1671	1.64E-04	1.09E-04	2.73E-04
1672	1.71E-04	1.13E-04	2.84E-04
1673	1.79E-04	1.17E-04	2.96E-04
1674	1.89E-04	1.21E-04	3.10E-04
1675	1.97E-04	1.24E-04	3.21E-04
1676	1.94E-04	1.09E-04	3.03E-04
1677	1.89E-04	8.44E-05	2.73E-04
1678	1.89E-04	7.30E-05	2.62E-04
1679	2.27E-04	7.47E-05	3.02E-04
1680	2.63E-04	7.78E-05	3.41E-04
1681	1.85E-04	7.06E-05	2.56E-04
1682	1.44E-04	6.30E-05	2.07E-04
1683	1.27E-04	6.10E-05	1.88E-04
1684	1.20E-04	6.21E-05	1.82E-04
1685	1.15E-04	6.32E-05	1.78E-04
1686	1.19E-04	6.88E-05	1.88E-04
1687	1.18E-04	7.11E-05	1.89E-04
1688	1.11E-04	6.90E-05	1.80E-04
1689	1.06E-04	6.78E-05	1.74E-04
1690	1.07E-04	7.02E-05	1.77E-04
1691	9.82E-05	6.60E-05	1.64E-04
1692	9.73E-05	6.66E-05	1.64E-04
1693	1.00E-04	6.96E-05	1.70E-04
1694	1.04E-04	7.29E-05	1.77E-04
1695	9.74E-05	6.94E-05	1.67E-04
1696	9.05E-05	6.55E-05	1.56E-04
1697	8.58E-05	6.31E-05	1.49E-04
1698	8.31E-05	6.20E-05	1.45E-04

1699	8.37E-05	6.30E-05	1.47E-04
1700	8.53E-05	6.48E-05	1.50E-04
1701	8.57E-05	6.57E-05	1.51E-04
1702	8.46E-05	6.53E-05	1.50E-04
1703	8.21E-05	6.41E-05	1.46E-04
1704	8.09E-05	6.36E-05	1.45E-04
1705	8.47E-05	6.66E-05	1.51E-04
1706	8.34E-05	6.59E-05	1.49E-04
1707	8.10E-05	6.45E-05	1.46E-04
1708	7.65E-05	6.16E-05	1.38E-04
1709	7.34E-05	5.95E-05	1.33E-04
1710	7.12E-05	5.81E-05	1.29E-04
1711	6.98E-05	5.71E-05	1.27E-04
1712	7.01E-05	5.72E-05	1.27E-04
1713	9.00E-05	5.74E-05	1.47E-04
1714	9.29E-05	5.96E-05	1.53E-04
1715	9.59E-05	6.19E-05	1.58E-04
1716	9.90E-05	6.43E-05	1.63E-04
1717	1.02E-04	6.69E-05	1.69E-04
1718	1.06E-04	6.97E-05	1.76E-04
1719	1.10E-04	7.26E-05	1.83E-04
1720	1.14E-04	7.56E-05	1.90E-04
1721	1.18E-04	7.87E-05	1.97E-04
1722	1.22E-04	8.21E-05	2.04E-04
1723	9.40E-05	7.36E-05	1.68E-04
1724	9.34E-05	7.35E-05	1.67E-04
1725	9.20E-05	7.29E-05	1.65E-04
1726	9.05E-05	7.21E-05	1.63E-04
1727	8.59E-05	6.91E-05	1.55E-04
1728	8.02E-05	6.53E-05	1.46E-04
1729	7.70E-05	6.31E-05	1.40E-04
1730	7.48E-05	6.16E-05	1.36E-04
1731	7.31E-05	6.03E-05	1.33E-04
1732	7.30E-05	6.00E-05	1.33E-04
1733	8.98E-05	5.88E-05	1.49E-04
1734	9.28E-05	6.11E-05	1.54E-04
1735	9.59E-05	6.35E-05	1.59E-04
1736	9.93E-05	6.61E-05	1.65E-04
1737	1.03E-04	6.89E-05	1.72E-04
1738	1.07E-04	7.19E-05	1.79E-04
1739	1.10E-04	7.49E-05	1.85E-04
1740	1.14E-04	7.80E-05	1.92E-04
1741	1.18E-04	8.15E-05	2.00E-04
1742	1.23E-04	8.51E-05	2.08E-04
1743	1.01E-04	7.99E-05	1.81E-04
1744	9.88E-05	7.88E-05	1.78E-04
1745	9.72E-05	7.78E-05	1.75E-04
1746	9.55E-05	7.69E-05	1.72E-04
1747	9.36E-05	7.56E-05	1.69E-04
1748	8.78E-05	7.17E-05	1.60E-04

1749	8.22E-05	6.78E-05	1.50E-04
1750	7.84E-05	6.50E-05	1.43E-04
1751	7.65E-05	6.35E-05	1.40E-04
1752	7.58E-05	6.27E-05	1.39E-04
1753	9.01E-05	6.02E-05	1.50E-04
1754	9.28E-05	6.26E-05	1.55E-04
1755	9.60E-05	6.51E-05	1.61E-04
1756	9.96E-05	6.79E-05	1.68E-04
1757	1.03E-04	7.09E-05	1.74E-04
1758	1.07E-04	7.39E-05	1.81E-04
1759	1.11E-04	7.72E-05	1.88E-04
1760	1.15E-04	8.06E-05	1.96E-04
1761	1.20E-04	8.43E-05	2.04E-04
1762	1.25E-04	8.82E-05	2.13E-04
1763	1.07E-04	8.58E-05	1.93E-04
1764	1.05E-04	8.48E-05	1.90E-04
1765	1.03E-04	8.37E-05	1.87E-04
1766	1.00E-04	8.16E-05	1.82E-04
1767	9.90E-05	8.07E-05	1.80E-04
1768	9.53E-05	7.81E-05	1.73E-04
1769	8.85E-05	7.33E-05	1.62E-04
1770	8.29E-05	6.91E-05	1.52E-04
1771	8.03E-05	6.70E-05	1.47E-04
1772	7.98E-05	6.63E-05	1.46E-04
1773	9.03E-05	6.16E-05	1.52E-04
1774	9.30E-05	6.40E-05	1.57E-04
1775	9.65E-05	6.68E-05	1.63E-04
1776	1.00E-04	6.97E-05	1.70E-04
1777	1.04E-04	7.28E-05	1.77E-04
1778	1.08E-04	7.61E-05	1.84E-04
1779	1.12E-04	7.96E-05	1.92E-04
1780	1.17E-04	8.33E-05	2.00E-04
1781	1.22E-04	8.73E-05	2.09E-04
1782	1.27E-04	9.15E-05	2.19E-04
1783	1.14E-04	9.23E-05	2.06E-04
1784	1.15E-04	9.30E-05	2.08E-04
1785	1.10E-04	9.00E-05	2.00E-04
1786	1.07E-04	8.76E-05	1.95E-04
1787	1.05E-04	8.63E-05	1.91E-04
1788	1.02E-04	8.35E-05	1.86E-04
1789	9.38E-05	7.79E-05	1.72E-04
1790	8.78E-05	7.34E-05	1.61E-04
1791	8.40E-05	7.04E-05	1.54E-04
1792	8.31E-05	6.95E-05	1.53E-04
1793	9.04E-05	6.29E-05	1.53E-04
1794	9.33E-05	6.55E-05	1.59E-04
1795	9.69E-05	6.84E-05	1.65E-04
1796	1.01E-04	7.14E-05	1.72E-04
1797	1.05E-04	7.48E-05	1.80E-04
1798	1.09E-04	7.83E-05	1.87E-04

1799	1.14E-04	8.20E-05	1.96E-04
1800	1.18E-04	8.60E-05	2.04E-04
1801	1.23E-04	9.02E-05	2.13E-04
1802	1.29E-04	9.47E-05	2.24E-04
1803	1.24E-04	1.02E-04	2.26E-04
1804	1.22E-04	1.00E-04	2.22E-04
1805	1.19E-04	9.81E-05	2.17E-04
1806	1.16E-04	9.56E-05	2.12E-04
1807	1.12E-04	9.26E-05	2.05E-04
1808	1.07E-04	8.87E-05	1.96E-04
1809	9.81E-05	8.20E-05	1.80E-04
1810	9.04E-05	7.63E-05	1.67E-04
1811	8.63E-05	7.30E-05	1.59E-04
1812	8.49E-05	7.16E-05	1.57E-04
1813	9.05E-05	6.42E-05	1.55E-04
1814	9.37E-05	6.69E-05	1.61E-04
1815	9.75E-05	7.00E-05	1.68E-04
1816	1.01E-04	7.32E-05	1.74E-04
1817	1.06E-04	7.67E-05	1.83E-04
1818	1.10E-04	8.05E-05	1.91E-04
1819	1.15E-04	8.44E-05	1.99E-04
1820	1.20E-04	8.87E-05	2.09E-04
1821	1.25E-04	9.32E-05	2.18E-04
1822	1.31E-04	9.81E-05	2.29E-04
1823	1.40E-04	1.15E-04	2.55E-04
1824	1.33E-04	1.09E-04	2.42E-04
1825	1.29E-04	1.07E-04	2.36E-04
1826	1.24E-04	1.02E-04	2.26E-04
1827	1.18E-04	9.76E-05	2.16E-04
1828	1.10E-04	9.17E-05	2.02E-04
1829	9.92E-05	8.40E-05	1.83E-04
1830	9.15E-05	7.80E-05	1.70E-04
1831	8.84E-05	7.52E-05	1.64E-04
1832	8.63E-05	7.29E-05	1.59E-04
1833	9.09E-05	6.55E-05	1.56E-04
1834	9.42E-05	6.83E-05	1.63E-04
1835	9.84E-05	7.16E-05	1.70E-04
1836	1.02E-04	7.50E-05	1.77E-04
1837	1.07E-04	7.87E-05	1.86E-04
1838	1.11E-04	8.26E-05	1.94E-04
1839	1.16E-04	8.68E-05	2.03E-04
1840	1.22E-04	9.14E-05	2.13E-04
1841	1.27E-04	9.62E-05	2.23E-04
1842	1.33E-04	1.01E-04	2.34E-04
1843	1.56E-04	1.29E-04	2.85E-04
1844	1.48E-04	1.23E-04	2.71E-04
1845	1.38E-04	1.15E-04	2.53E-04
1846	1.27E-04	1.06E-04	2.33E-04
1847	1.20E-04	1.01E-04	2.21E-04
1848	1.10E-04	9.33E-05	2.03E-04

1849	1.01E-04	8.62E-05	1.87E-04
1850	9.36E-05	8.00E-05	1.74E-04
1851	9.00E-05	7.63E-05	1.66E-04
1852	8.79E-05	7.39E-05	1.62E-04
1853	9.16E-05	6.68E-05	1.58E-04
1854	9.49E-05	6.98E-05	1.65E-04
1855	9.91E-05	7.32E-05	1.72E-04
1856	1.03E-04	7.68E-05	1.80E-04
1857	1.08E-04	8.06E-05	1.89E-04
1858	1.13E-04	8.47E-05	1.98E-04
1859	1.18E-04	8.92E-05	2.07E-04
1860	1.24E-04	9.40E-05	2.18E-04
1861	1.30E-04	9.93E-05	2.29E-04
1862	1.36E-04	1.05E-04	2.41E-04
1863	1.69E-04	1.41E-04	3.10E-04
1864	1.57E-04	1.31E-04	2.88E-04
1865	1.37E-04	1.16E-04	2.53E-04
1866	1.25E-04	1.06E-04	2.31E-04
1867	1.17E-04	9.99E-05	2.17E-04
1868	1.11E-04	9.42E-05	2.05E-04
1869	1.03E-04	8.74E-05	1.90E-04
1870	9.50E-05	8.08E-05	1.76E-04
1871	9.16E-05	7.74E-05	1.69E-04
1872	8.94E-05	7.50E-05	1.64E-04
1873	9.20E-05	6.80E-05	1.60E-04
1874	9.56E-05	7.11E-05	1.67E-04
1875	1.00E-04	7.47E-05	1.75E-04
1876	1.04E-04	7.84E-05	1.82E-04
1877	1.09E-04	8.25E-05	1.92E-04
1878	1.14E-04	8.68E-05	2.01E-04
1879	1.19E-04	9.15E-05	2.11E-04
1880	1.25E-04	9.67E-05	2.22E-04
1881	1.32E-04	1.02E-04	2.34E-04
1882	1.39E-04	1.08E-04	2.47E-04
1883	1.77E-04	1.49E-04	3.26E-04
1884	1.56E-04	1.32E-04	2.88E-04
1885	1.36E-04	1.17E-04	2.53E-04
1886	1.25E-04	1.07E-04	2.32E-04
1887	1.17E-04	9.98E-05	2.17E-04
1888	1.09E-04	9.31E-05	2.02E-04
1889	1.04E-04	8.81E-05	1.92E-04
1890	9.71E-05	8.24E-05	1.80E-04
1891	9.34E-05	7.90E-05	1.72E-04
1892	9.05E-05	7.63E-05	1.67E-04
1893	9.26E-05	6.92E-05	1.62E-04
1894	9.64E-05	7.25E-05	1.69E-04
1895	1.01E-04	7.62E-05	1.77E-04
1896	1.05E-04	8.00E-05	1.85E-04
1897	1.10E-04	8.43E-05	1.94E-04
1898	1.15E-04	8.88E-05	2.04E-04

1899	1.21E-04	9.38E-05	2.15E-04
1900	1.27E-04	9.93E-05	2.26E-04
1901	1.34E-04	1.05E-04	2.39E-04
1902	1.41E-04	1.12E-04	2.53E-04
1903	1.78E-04	1.51E-04	3.29E-04
1904	1.58E-04	1.34E-04	2.92E-04
1905	1.42E-04	1.21E-04	2.63E-04
1906	1.27E-04	1.09E-04	2.36E-04
1907	1.16E-04	9.94E-05	2.15E-04
1908	1.09E-04	9.35E-05	2.03E-04
1909	1.03E-04	8.84E-05	1.91E-04
1910	9.84E-05	8.40E-05	1.82E-04
1911	9.49E-05	8.08E-05	1.76E-04
1912	9.15E-05	7.77E-05	1.69E-04
1913	9.32E-05	7.03E-05	1.64E-04
1914	9.70E-05	7.37E-05	1.71E-04
1915	1.01E-04	7.75E-05	1.79E-04
1916	1.06E-04	8.16E-05	1.88E-04
1917	1.11E-04	8.60E-05	1.97E-04
1918	1.17E-04	9.08E-05	2.08E-04
1919	1.23E-04	9.61E-05	2.19E-04
1920	1.29E-04	1.02E-04	2.31E-04
1921	1.36E-04	1.08E-04	2.44E-04
1922	1.44E-04	1.15E-04	2.59E-04
1923	1.75E-04	1.49E-04	3.24E-04
1924	1.60E-04	1.36E-04	2.96E-04
1925	1.47E-04	1.25E-04	2.72E-04
1926	1.32E-04	1.13E-04	2.45E-04
1927	1.17E-04	1.01E-04	2.18E-04
1928	1.08E-04	9.36E-05	2.02E-04
1929	1.02E-04	8.83E-05	1.90E-04
1930	9.89E-05	8.53E-05	1.84E-04
1931	9.55E-05	8.19E-05	1.77E-04
1932	9.17E-05	7.83E-05	1.70E-04
1933	9.38E-05	7.14E-05	1.65E-04
1934	9.77E-05	7.49E-05	1.73E-04
1935	1.02E-04	7.88E-05	1.81E-04
1936	1.07E-04	8.31E-05	1.90E-04
1937	1.12E-04	8.77E-05	2.00E-04
1938	1.18E-04	9.27E-05	2.11E-04
1939	1.24E-04	9.81E-05	2.22E-04
1940	1.31E-04	1.04E-04	2.35E-04
1941	1.38E-04	1.11E-04	2.49E-04
1942	1.47E-04	1.18E-04	2.65E-04
1943	1.72E-04	1.47E-04	3.19E-04
1944	1.62E-04	1.38E-04	3.00E-04
1945	1.44E-04	1.24E-04	2.68E-04
1946	1.29E-04	1.12E-04	2.41E-04
1947	1.14E-04	1.00E-04	2.14E-04
1948	1.06E-04	9.31E-05	1.99E-04

1949	1.00E-04	8.78E-05	1.88E-04
1950	9.80E-05	8.49E-05	1.83E-04
1951	9.53E-05	8.17E-05	1.77E-04
1952	9.12E-05	7.76E-05	1.69E-04
1953	9.42E-05	7.23E-05	1.67E-04
1954	9.83E-05	7.59E-05	1.74E-04
1955	1.03E-04	8.00E-05	1.83E-04
1956	1.08E-04	8.43E-05	1.92E-04
1957	1.13E-04	8.91E-05	2.02E-04
1958	1.19E-04	9.43E-05	2.13E-04
1959	1.26E-04	1.00E-04	2.26E-04
1960	1.33E-04	1.06E-04	2.39E-04
1961	1.41E-04	1.13E-04	2.54E-04
1962	1.49E-04	1.21E-04	2.70E-04
1963	1.72E-04	1.48E-04	3.20E-04
1964	1.57E-04	1.36E-04	2.93E-04
1965	1.37E-04	1.20E-04	2.57E-04
1966	1.23E-04	1.09E-04	2.32E-04
1967	1.12E-04	9.88E-05	2.11E-04
1968	1.04E-04	9.14E-05	1.95E-04
1969	9.87E-05	8.60E-05	1.85E-04
1970	9.62E-05	8.26E-05	1.79E-04
1971	9.42E-05	7.98E-05	1.74E-04
1972	9.05E-05	7.58E-05	1.66E-04
1973	9.44E-05	7.31E-05	1.68E-04
1974	9.89E-05	7.70E-05	1.76E-04
1975	1.04E-04	8.11E-05	1.85E-04
1976	1.09E-04	8.56E-05	1.95E-04
1977	1.14E-04	9.05E-05	2.05E-04
1978	1.20E-04	9.59E-05	2.16E-04
1979	1.27E-04	1.02E-04	2.29E-04
1980	1.34E-04	1.08E-04	2.42E-04
1981	1.42E-04	1.16E-04	2.58E-04
1982	1.52E-04	1.24E-04	2.76E-04
1983	1.58E-04	1.40E-04	2.98E-04
1984	1.45E-04	1.28E-04	2.73E-04
1985	1.32E-04	1.16E-04	2.48E-04
1986	1.17E-04	1.04E-04	2.21E-04
1987	1.09E-04	9.55E-05	2.05E-04
1988	1.02E-04	8.82E-05	1.90E-04
1989	9.78E-05	8.34E-05	1.81E-04
1990	9.57E-05	8.04E-05	1.76E-04
1991	9.31E-05	7.73E-05	1.70E-04
1992	8.96E-05	7.37E-05	1.63E-04
1993	9.45E-05	7.37E-05	1.68E-04
1994	9.90E-05	7.76E-05	1.77E-04
1995	1.04E-04	8.18E-05	1.86E-04
1996	1.10E-04	8.69E-05	1.97E-04
1997	1.15E-04	9.20E-05	2.07E-04
1998	1.22E-04	9.75E-05	2.20E-04

1999	1.28E-04	1.04E-04	2.32E-04
2000	1.36E-04	1.10E-04	2.46E-04
2001	1.44E-04	1.18E-04	2.62E-04
2002	1.53E-04	1.26E-04	2.79E-04
2003	1.46E-04	1.30E-04	2.76E-04
2004	1.34E-04	1.18E-04	2.52E-04
2005	1.23E-04	1.07E-04	2.30E-04
2006	1.15E-04	9.88E-05	2.14E-04
2007	1.07E-04	9.12E-05	1.98E-04
2008	1.01E-04	8.53E-05	1.86E-04
2009	9.51E-05	7.95E-05	1.75E-04
2010	9.40E-05	7.77E-05	1.72E-04
2011	9.14E-05	7.49E-05	1.66E-04
2012	8.92E-05	7.26E-05	1.62E-04
2013	9.49E-05	7.44E-05	1.69E-04
2014	9.94E-05	7.83E-05	1.78E-04
2015	1.05E-04	8.29E-05	1.88E-04
2016	1.11E-04	8.79E-05	1.99E-04
2017	1.16E-04	9.32E-05	2.09E-04
2018	1.23E-04	9.89E-05	2.22E-04
2019	1.30E-04	1.05E-04	2.35E-04
2020	1.37E-04	1.12E-04	2.49E-04
2021	1.46E-04	1.20E-04	2.66E-04
2022	1.55E-04	1.28E-04	2.83E-04
2023	1.38E-04	1.20E-04	2.58E-04
2024	1.27E-04	1.09E-04	2.36E-04
2025	1.19E-04	1.01E-04	2.20E-04
2026	1.11E-04	9.38E-05	2.05E-04
2027	1.07E-04	8.93E-05	1.96E-04
2028	9.95E-05	8.29E-05	1.82E-04
2029	9.32E-05	7.74E-05	1.71E-04
2030	9.11E-05	7.51E-05	1.66E-04
2031	8.63E-05	7.10E-05	1.57E-04
2032	8.66E-05	7.07E-05	1.57E-04
2033	9.53E-05	7.50E-05	1.70E-04
2034	9.99E-05	7.91E-05	1.79E-04
2035	1.05E-04	8.36E-05	1.89E-04
2036	1.11E-04	8.88E-05	2.00E-04
2037	1.17E-04	9.42E-05	2.11E-04
2038	1.24E-04	1.00E-04	2.24E-04
2039	1.31E-04	1.06E-04	2.37E-04
2040	1.39E-04	1.14E-04	2.53E-04
2041	1.47E-04	1.22E-04	2.69E-04
2042	1.57E-04	1.30E-04	2.87E-04
2043	1.32E-04	1.13E-04	2.45E-04
2044	1.22E-04	1.04E-04	2.26E-04
2045	1.14E-04	9.72E-05	2.11E-04
2046	1.09E-04	9.19E-05	2.01E-04
2047	1.07E-04	8.93E-05	1.96E-04
2048	9.78E-05	8.17E-05	1.80E-04

2049	9.20E-05	7.66E-05	1.69E-04
2050	9.03E-05	7.47E-05	1.65E-04
2051	8.38E-05	6.92E-05	1.53E-04
2052	8.46E-05	6.92E-05	1.54E-04
2053	9.58E-05	7.56E-05	1.71E-04
2054	1.01E-04	7.98E-05	1.81E-04
2055	1.06E-04	8.43E-05	1.90E-04
2056	1.11E-04	8.92E-05	2.00E-04
2057	1.17E-04	9.46E-05	2.12E-04
2058	1.24E-04	1.00E-04	2.24E-04
2059	1.31E-04	1.07E-04	2.38E-04
2060	1.39E-04	1.14E-04	2.53E-04
2061	1.48E-04	1.22E-04	2.70E-04
2062	1.58E-04	1.31E-04	2.89E-04
2063	1.28E-04	1.10E-04	2.38E-04
2064	1.22E-04	1.04E-04	2.26E-04
2065	1.16E-04	9.79E-05	2.14E-04
2066	1.12E-04	9.40E-05	2.06E-04
2067	1.08E-04	9.03E-05	1.98E-04
2068	9.77E-05	8.14E-05	1.79E-04
2069	9.22E-05	7.65E-05	1.69E-04
2070	9.22E-05	7.58E-05	1.68E-04
2071	8.56E-05	7.02E-05	1.56E-04
2072	8.33E-05	6.79E-05	1.51E-04
2073	9.63E-05	7.62E-05	1.73E-04
2074	1.01E-04	8.04E-05	1.81E-04
2075	1.06E-04	8.48E-05	1.91E-04
2076	1.11E-04	8.97E-05	2.01E-04
2077	1.18E-04	9.53E-05	2.13E-04
2078	1.25E-04	1.02E-04	2.27E-04
2079	1.32E-04	1.08E-04	2.40E-04
2080	1.41E-04	1.16E-04	2.57E-04
2081	1.49E-04	1.24E-04	2.73E-04
2082	1.59E-04	1.33E-04	2.92E-04
2083	1.31E-04	1.11E-04	2.42E-04
2084	1.28E-04	1.08E-04	2.36E-04
2085	1.22E-04	1.02E-04	2.24E-04
2086	1.18E-04	9.80E-05	2.16E-04
2087	1.11E-04	9.19E-05	2.03E-04
2088	1.00E-04	8.23E-05	1.82E-04
2089	9.51E-05	7.80E-05	1.73E-04
2090	9.58E-05	7.80E-05	1.74E-04
2091	8.94E-05	7.25E-05	1.62E-04
2092	8.45E-05	6.83E-05	1.53E-04
2093	9.69E-05	7.67E-05	1.74E-04
2094	1.02E-04	8.10E-05	1.83E-04
2095	1.07E-04	8.56E-05	1.93E-04
2096	1.13E-04	9.06E-05	2.04E-04
2097	1.19E-04	9.62E-05	2.15E-04
2098	1.25E-04	1.02E-04	2.27E-04

2099	1.33E-04	1.09E-04	2.42E-04
2100	1.41E-04	1.17E-04	2.58E-04
2101	1.51E-04	1.25E-04	2.76E-04
2102	1.61E-04	1.34E-04	2.95E-04
2103	1.35E-04	1.13E-04	2.48E-04
2104	1.31E-04	1.09E-04	2.40E-04
2105	1.31E-04	1.09E-04	2.40E-04
2106	1.30E-04	1.07E-04	2.37E-04
2107	1.16E-04	9.54E-05	2.11E-04
2108	1.08E-04	8.84E-05	1.96E-04
2109	1.05E-04	8.56E-05	1.91E-04
2110	1.01E-04	8.22E-05	1.83E-04
2111	9.38E-05	7.60E-05	1.70E-04
2112	8.76E-05	7.07E-05	1.58E-04
2113	9.69E-05	7.70E-05	1.74E-04
2114	1.02E-04	8.12E-05	1.83E-04
2115	1.07E-04	8.59E-05	1.93E-04
2116	1.13E-04	9.09E-05	2.04E-04
2117	1.19E-04	9.65E-05	2.16E-04
2118	1.26E-04	1.03E-04	2.29E-04
2119	1.33E-04	1.09E-04	2.42E-04
2120	1.42E-04	1.17E-04	2.59E-04
2121	1.51E-04	1.25E-04	2.76E-04
2122	1.61E-04	1.35E-04	2.96E-04
2123	1.39E-04	1.18E-04	2.57E-04
2124	1.31E-04	1.11E-04	2.42E-04
2125	1.32E-04	1.10E-04	2.42E-04
2126	1.40E-04	1.18E-04	2.58E-04
2127	1.28E-04	1.07E-04	2.35E-04
2128	1.20E-04	9.96E-05	2.20E-04
2129	1.15E-04	9.51E-05	2.10E-04
2130	1.07E-04	8.82E-05	1.95E-04
2131	9.89E-05	8.09E-05	1.80E-04
2132	9.19E-05	7.48E-05	1.67E-04
2133	9.68E-05	7.71E-05	1.74E-04
2134	1.02E-04	8.13E-05	1.83E-04
2135	1.07E-04	8.59E-05	1.93E-04
2136	1.13E-04	9.10E-05	2.04E-04
2137	1.19E-04	9.66E-05	2.16E-04
2138	1.26E-04	1.03E-04	2.29E-04
2139	1.33E-04	1.10E-04	2.43E-04
2140	1.42E-04	1.17E-04	2.59E-04
2141	1.51E-04	1.26E-04	2.77E-04
2142	1.62E-04	1.35E-04	2.97E-04
2143	1.51E-04	1.28E-04	2.79E-04
2144	1.38E-04	1.18E-04	2.56E-04
2145	1.39E-04	1.17E-04	2.56E-04
2146	1.50E-04	1.28E-04	2.78E-04
2147	1.47E-04	1.26E-04	2.73E-04
2148	1.35E-04	1.15E-04	2.50E-04

2149	1.25E-04	1.05E-04	2.30E-04
2150	1.14E-04	9.46E-05	2.09E-04
2151	1.03E-04	8.49E-05	1.88E-04
2152	9.38E-05	7.70E-05	1.71E-04
2153	9.67E-05	7.71E-05	1.74E-04
2154	1.01E-04	8.12E-05	1.82E-04
2155	1.07E-04	8.58E-05	1.93E-04
2156	1.12E-04	9.09E-05	2.03E-04
2157	1.18E-04	9.64E-05	2.14E-04
2158	1.25E-04	1.03E-04	2.28E-04
2159	1.33E-04	1.09E-04	2.42E-04
2160	1.41E-04	1.17E-04	2.58E-04
2161	1.50E-04	1.25E-04	2.75E-04
2162	1.61E-04	1.35E-04	2.96E-04
2163	1.76E-04	1.51E-04	3.27E-04
2164	1.60E-04	1.37E-04	2.97E-04
2165	1.62E-04	1.39E-04	3.01E-04
2166	1.69E-04	1.47E-04	3.16E-04
2167	1.57E-04	1.36E-04	2.93E-04
2168	1.41E-04	1.20E-04	2.61E-04
2169	1.28E-04	1.08E-04	2.36E-04
2170	1.17E-04	9.78E-05	2.15E-04
2171	1.01E-04	8.34E-05	1.84E-04
2172	9.28E-05	7.64E-05	1.69E-04
2173	9.64E-05	7.69E-05	1.73E-04
2174	1.01E-04	8.11E-05	1.82E-04
2175	1.06E-04	8.56E-05	1.92E-04
2176	1.12E-04	9.06E-05	2.03E-04
2177	1.18E-04	9.61E-05	2.14E-04
2178	1.24E-04	1.02E-04	2.26E-04
2179	1.32E-04	1.09E-04	2.41E-04
2180	1.40E-04	1.16E-04	2.56E-04
2181	1.49E-04	1.25E-04	2.74E-04
2182	1.60E-04	1.34E-04	2.94E-04
2183	2.10E-04	1.86E-04	3.96E-04
2184	2.03E-04	1.80E-04	3.83E-04
2185	1.89E-04	1.66E-04	3.55E-04
2186	1.76E-04	1.53E-04	3.29E-04
2187	1.59E-04	1.37E-04	2.96E-04
2188	1.42E-04	1.21E-04	2.63E-04
2189	1.27E-04	1.07E-04	2.34E-04
2190	1.16E-04	9.70E-05	2.13E-04
2191	9.88E-05	8.17E-05	1.81E-04
2192	9.05E-05	7.47E-05	1.65E-04
2193	9.56E-05	7.66E-05	1.72E-04
2194	1.00E-04	8.08E-05	1.81E-04
2195	1.06E-04	8.53E-05	1.91E-04
2196	1.11E-04	9.02E-05	2.01E-04
2197	1.17E-04	9.56E-05	2.13E-04
2198	1.24E-04	1.02E-04	2.26E-04

2199	1.31E-04	1.08E-04	2.39E-04
2200	1.39E-04	1.15E-04	2.54E-04
2201	1.48E-04	1.23E-04	2.71E-04
2202	1.58E-04	1.32E-04	2.90E-04
2203	2.22E-04	1.94E-04	4.16E-04
2204	2.05E-04	1.80E-04	3.85E-04
2205	1.87E-04	1.64E-04	3.51E-04
2206	1.75E-04	1.53E-04	3.28E-04
2207	1.62E-04	1.40E-04	3.02E-04
2208	1.42E-04	1.21E-04	2.63E-04
2209	1.23E-04	1.04E-04	2.27E-04
2210	1.13E-04	9.50E-05	2.08E-04
2211	9.96E-05	8.28E-05	1.82E-04
2212	9.06E-05	7.50E-05	1.66E-04
2213	9.48E-05	7.61E-05	1.71E-04
2214	9.95E-05	8.02E-05	1.80E-04
2215	1.04E-04	8.46E-05	1.89E-04
2216	1.10E-04	8.94E-05	1.99E-04
2217	1.16E-04	9.48E-05	2.11E-04
2218	1.22E-04	1.01E-04	2.23E-04
2219	1.29E-04	1.07E-04	2.36E-04
2220	1.37E-04	1.14E-04	2.51E-04
2221	1.46E-04	1.22E-04	2.68E-04
2222	1.55E-04	1.31E-04	2.86E-04
2223	2.16E-04	1.88E-04	4.04E-04
2224	2.02E-04	1.75E-04	3.77E-04
2225	1.88E-04	1.63E-04	3.51E-04
2226	1.72E-04	1.49E-04	3.21E-04
2227	1.55E-04	1.34E-04	2.89E-04
2228	1.32E-04	1.13E-04	2.45E-04
2229	1.18E-04	9.94E-05	2.17E-04
2230	1.08E-04	9.07E-05	1.99E-04
2231	9.54E-05	7.95E-05	1.75E-04
2232	8.92E-05	7.41E-05	1.63E-04
2233	9.41E-05	7.55E-05	1.70E-04
2234	9.86E-05	7.96E-05	1.78E-04
2235	1.03E-04	8.38E-05	1.87E-04
2236	1.08E-04	8.85E-05	1.97E-04
2237	1.14E-04	9.36E-05	2.08E-04
2238	1.20E-04	9.93E-05	2.19E-04
2239	1.27E-04	1.06E-04	2.33E-04
2240	1.35E-04	1.12E-04	2.47E-04
2241	1.43E-04	1.20E-04	2.63E-04
2242	1.52E-04	1.28E-04	2.80E-04
2243	2.11E-04	1.81E-04	3.92E-04
2244	1.97E-04	1.69E-04	3.66E-04
2245	1.84E-04	1.58E-04	3.42E-04
2246	1.66E-04	1.42E-04	3.08E-04
2247	1.40E-04	1.19E-04	2.59E-04
2248	1.21E-04	1.01E-04	2.22E-04

2249	1.13E-04	9.42E-05	2.07E-04
2250	1.05E-04	8.75E-05	1.93E-04
2251	9.23E-05	7.67E-05	1.69E-04
2252	8.55E-05	7.11E-05	1.57E-04
2253	9.30E-05	7.48E-05	1.68E-04
2254	9.74E-05	7.87E-05	1.76E-04
2255	1.02E-04	8.29E-05	1.85E-04
2256	1.07E-04	8.75E-05	1.95E-04
2257	1.12E-04	9.24E-05	2.04E-04
2258	1.18E-04	9.78E-05	2.16E-04
2259	1.25E-04	1.04E-04	2.29E-04
2260	1.32E-04	1.10E-04	2.42E-04
2261	1.40E-04	1.18E-04	2.58E-04
2262	1.49E-04	1.26E-04	2.75E-04
2263	2.07E-04	1.73E-04	3.80E-04
2264	1.92E-04	1.63E-04	3.55E-04
2265	1.77E-04	1.50E-04	3.27E-04
2266	1.54E-04	1.30E-04	2.84E-04
2267	1.24E-04	1.02E-04	2.26E-04
2268	1.06E-04	8.74E-05	1.93E-04
2269	1.02E-04	8.38E-05	1.86E-04
2270	9.72E-05	8.01E-05	1.77E-04
2271	8.79E-05	7.25E-05	1.60E-04
2272	8.22E-05	6.78E-05	1.50E-04
2273	9.18E-05	7.39E-05	1.66E-04
2274	9.59E-05	7.77E-05	1.74E-04
2275	1.00E-04	8.18E-05	1.82E-04
2276	1.05E-04	8.62E-05	1.91E-04
2277	1.11E-04	9.10E-05	2.02E-04
2278	1.16E-04	9.62E-05	2.12E-04
2279	1.23E-04	1.02E-04	2.25E-04
2280	1.29E-04	1.08E-04	2.37E-04
2281	1.37E-04	1.15E-04	2.52E-04
2282	1.45E-04	1.23E-04	2.68E-04
2283	2.03E-04	1.67E-04	3.70E-04
2284	1.87E-04	1.55E-04	3.42E-04
2285	1.73E-04	1.44E-04	3.17E-04
2286	1.45E-04	1.20E-04	2.65E-04
2287	1.16E-04	9.47E-05	2.11E-04
2288	9.98E-05	8.12E-05	1.81E-04
2289	9.10E-05	7.42E-05	1.65E-04
2290	8.88E-05	7.23E-05	1.61E-04
2291	8.35E-05	6.80E-05	1.52E-04
2292	8.00E-05	6.52E-05	1.45E-04
2293	9.03E-05	7.29E-05	1.63E-04
2294	9.43E-05	7.65E-05	1.71E-04
2295	9.86E-05	8.05E-05	1.79E-04
2296	1.03E-04	8.47E-05	1.88E-04
2297	1.08E-04	8.93E-05	1.97E-04
2298	1.14E-04	9.43E-05	2.08E-04

2299	1.20E-04	9.98E-05	2.20E-04
2300	1.26E-04	1.06E-04	2.32E-04
2301	1.33E-04	1.12E-04	2.45E-04
2302	1.41E-04	1.19E-04	2.60E-04
2303	2.01E-04	1.60E-04	3.61E-04
2304	1.84E-04	1.49E-04	3.33E-04
2305	1.70E-04	1.40E-04	3.10E-04
2306	1.45E-04	1.19E-04	2.64E-04
2307	1.17E-04	9.46E-05	2.12E-04
2308	9.71E-05	7.81E-05	1.75E-04
2309	8.72E-05	7.02E-05	1.57E-04
2310	8.46E-05	6.81E-05	1.53E-04
2311	8.06E-05	6.49E-05	1.46E-04
2312	7.81E-05	6.28E-05	1.41E-04
2313	8.87E-05	7.17E-05	1.60E-04
2314	9.26E-05	7.53E-05	1.68E-04
2315	9.66E-05	7.90E-05	1.76E-04
2316	1.01E-04	8.31E-05	1.84E-04
2317	1.06E-04	8.75E-05	1.94E-04
2318	1.11E-04	9.23E-05	2.03E-04
2319	1.17E-04	9.75E-05	2.15E-04
2320	1.23E-04	1.03E-04	2.26E-04
2321	1.30E-04	1.09E-04	2.39E-04
2322	1.37E-04	1.16E-04	2.53E-04
2323	1.82E-04	1.43E-04	3.25E-04
2324	1.68E-04	1.35E-04	3.03E-04
2325	1.51E-04	1.22E-04	2.73E-04
2326	1.16E-04	9.37E-05	2.10E-04
2327	9.82E-05	7.83E-05	1.77E-04
2328	8.80E-05	7.01E-05	1.58E-04
2329	8.73E-05	6.95E-05	1.57E-04
2330	8.33E-05	6.62E-05	1.50E-04
2331	7.89E-05	6.27E-05	1.42E-04
2332	8.70E-05	7.05E-05	1.58E-04
2333	9.07E-05	7.39E-05	1.65E-04
2334	9.46E-05	7.75E-05	1.72E-04
2335	9.89E-05	8.14E-05	1.80E-04
2336	1.03E-04	8.56E-05	1.89E-04
2337	1.08E-04	9.02E-05	1.98E-04
2338	1.14E-04	9.51E-05	2.09E-04
2339	1.20E-04	1.00E-04	2.20E-04
2340	1.26E-04	1.06E-04	2.32E-04
2341	1.33E-04	1.13E-04	2.46E-04
2342	1.68E-04	1.30E-04	2.98E-04
2343	1.51E-04	1.19E-04	2.70E-04
2344	1.22E-04	9.74E-05	2.19E-04
2345	1.00E-04	7.93E-05	1.79E-04
2346	9.19E-05	7.25E-05	1.64E-04
2347	9.22E-05	7.29E-05	1.65E-04
2348	8.86E-05	7.00E-05	1.59E-04

2349	8.27E-05	6.51E-05	1.48E-04
2350	8.52E-05	6.92E-05	1.54E-04
2351	8.87E-05	7.25E-05	1.61E-04
2352	9.26E-05	7.59E-05	1.69E-04
2353	9.66E-05	7.96E-05	1.76E-04
2354	1.01E-04	8.36E-05	1.85E-04
2355	1.06E-04	8.80E-05	1.94E-04
2356	1.11E-04	9.26E-05	2.04E-04
2357	1.16E-04	9.77E-05	2.14E-04
2358	1.22E-04	1.03E-04	2.25E-04
2359	1.28E-04	1.09E-04	2.37E-04
2360	1.56E-04	1.17E-04	2.73E-04
2361	1.38E-04	1.07E-04	2.45E-04
2362	1.08E-04	8.49E-05	1.93E-04
2363	1.01E-04	7.98E-05	1.81E-04
2364	1.01E-04	7.95E-05	1.81E-04
2365	1.01E-04	7.94E-05	1.80E-04
2366	9.31E-05	7.33E-05	1.66E-04
2367	8.33E-05	6.79E-05	1.51E-04
2368	8.68E-05	7.10E-05	1.58E-04
2369	9.04E-05	7.43E-05	1.65E-04
2370	9.42E-05	7.78E-05	1.72E-04
2371	9.83E-05	8.16E-05	1.80E-04
2372	1.03E-04	8.57E-05	1.89E-04
2373	1.08E-04	9.01E-05	1.98E-04
2374	1.13E-04	9.49E-05	2.08E-04
2375	1.18E-04	1.00E-04	2.18E-04
2376	1.24E-04	1.06E-04	2.30E-04
2377	1.32E-04	9.87E-05	2.31E-04
2378	1.19E-04	9.13E-05	2.10E-04
2379	1.18E-04	8.98E-05	2.08E-04
2380	1.15E-04	8.73E-05	2.02E-04
2381	1.01E-04	7.83E-05	1.79E-04
2382	8.14E-05	6.65E-05	1.48E-04
2383	8.48E-05	6.94E-05	1.54E-04
2384	8.81E-05	7.26E-05	1.61E-04
2385	9.18E-05	7.59E-05	1.68E-04
2386	9.57E-05	7.96E-05	1.75E-04
2387	9.98E-05	8.34E-05	1.83E-04
2388	1.04E-04	8.76E-05	1.92E-04
2389	1.09E-04	9.21E-05	2.01E-04
2390	1.15E-04	9.70E-05	2.12E-04
2391	1.20E-04	1.02E-04	2.22E-04
2392	1.26E-04	8.96E-05	2.16E-04
2393	1.20E-04	8.56E-05	2.06E-04
2394	1.14E-04	8.16E-05	1.96E-04
2395	7.96E-05	6.50E-05	1.45E-04
2396	8.27E-05	6.79E-05	1.51E-04
2397	8.59E-05	7.09E-05	1.57E-04
2398	8.94E-05	7.41E-05	1.64E-04

2399	9.31E-05	7.75E-05	1.71E-04
2400	9.71E-05	8.12E-05	1.78E-04
2401	1.01E-04	8.51E-05	1.86E-04
2402	1.06E-04	8.94E-05	1.95E-04
2403	1.11E-04	9.39E-05	2.05E-04
2404	1.16E-04	9.89E-05	2.15E-04
2405	8.04E-05	6.51E-05	1.46E-04
2406	8.06E-05	6.63E-05	1.47E-04
2407	8.37E-05	6.92E-05	1.53E-04
2408	8.74E-05	7.24E-05	1.60E-04
2409	9.05E-05	7.56E-05	1.66E-04
2410	9.44E-05	7.91E-05	1.74E-04
2411	9.97E-05	8.33E-05	1.83E-04
2412	1.03E-04	8.67E-05	1.90E-04
2413	1.07E-04	9.10E-05	1.98E-04
2414	1.12E-04	9.55E-05	2.08E-04
2415	7.89E-05	6.46E-05	1.44E-04
2416	7.86E-05	6.48E-05	1.43E-04
2417	8.33E-05	6.83E-05	1.52E-04
2418	8.63E-05	7.15E-05	1.58E-04
2419	8.96E-05	7.46E-05	1.64E-04
2420	9.28E-05	7.76E-05	1.70E-04
2421	9.62E-05	8.07E-05	1.77E-04
2422	1.00E-04	8.42E-05	1.84E-04
2423	1.04E-04	8.81E-05	1.92E-04
2424	1.08E-04	9.23E-05	2.00E-04
2425	7.63E-05	6.26E-05	1.39E-04
2426	7.81E-05	6.40E-05	1.42E-04
2427	8.09E-05	6.68E-05	1.48E-04
2428	8.38E-05	6.97E-05	1.54E-04
2429	8.66E-05	7.24E-05	1.59E-04
2430	8.95E-05	7.51E-05	1.65E-04
2431	9.28E-05	7.79E-05	1.71E-04
2432	9.66E-05	8.12E-05	1.78E-04
2433	1.00E-04	8.48E-05	1.85E-04
2434	1.04E-04	8.87E-05	1.93E-04
2435	7.40E-05	6.11E-05	1.35E-04
2436	7.59E-05	6.25E-05	1.38E-04
2437	7.84E-05	6.49E-05	1.43E-04
2438	8.10E-05	6.74E-05	1.48E-04
2439	8.36E-05	6.98E-05	1.53E-04
2440	8.64E-05	7.24E-05	1.59E-04
2441	8.93E-05	7.51E-05	1.64E-04
2442	9.26E-05	7.81E-05	1.71E-04
2443	9.60E-05	8.13E-05	1.77E-04
2444	9.98E-05	8.49E-05	1.85E-04
2445	1.25E-04	1.04E-04	2.29E-04
2446	7.16E-05	5.91E-05	1.31E-04
2447	7.37E-05	6.10E-05	1.35E-04
2448	7.60E-05	6.30E-05	1.39E-04

2449	7.83E-05	6.52E-05	1.44E-04
2450	8.07E-05	6.74E-05	1.48E-04
2451	8.31E-05	6.96E-05	1.53E-04
2452	8.62E-05	7.24E-05	1.59E-04
2453	8.93E-05	7.52E-05	1.65E-04
2454	9.26E-05	7.83E-05	1.71E-04
2455	9.57E-05	8.12E-05	1.77E-04
2456	1.22E-04	1.02E-04	2.24E-04
2457	1.17E-04	9.69E-05	2.14E-04
2458	1.13E-04	9.32E-05	2.06E-04
2459	1.09E-04	8.88E-05	1.98E-04
2460	6.92E-05	5.72E-05	1.26E-04
2461	7.14E-05	5.91E-05	1.31E-04
2462	7.35E-05	6.09E-05	1.34E-04
2463	7.57E-05	6.30E-05	1.39E-04
2464	7.80E-05	6.51E-05	1.43E-04
2465	8.04E-05	6.72E-05	1.48E-04
2466	8.32E-05	6.98E-05	1.53E-04
2467	8.60E-05	7.24E-05	1.58E-04
2468	8.89E-05	7.51E-05	1.64E-04
2469	9.18E-05	7.78E-05	1.70E-04
2470	9.51E-05	8.07E-05	1.76E-04
2471	9.87E-05	8.41E-05	1.83E-04
2472	1.03E-04	8.76E-05	1.91E-04
2473	1.07E-04	9.14E-05	1.98E-04
2474	1.11E-04	9.52E-05	2.06E-04
2475	1.15E-04	9.90E-05	2.14E-04
2476	1.20E-04	1.03E-04	2.23E-04
2477	1.24E-04	1.07E-04	2.31E-04
2478	1.30E-04	1.13E-04	2.43E-04
2479	1.34E-04	1.16E-04	2.50E-04
2480	1.37E-04	1.18E-04	2.55E-04
2481	1.41E-04	1.22E-04	2.63E-04
2482	1.45E-04	1.26E-04	2.71E-04
2483	1.49E-04	1.30E-04	2.79E-04
2484	1.54E-04	1.33E-04	2.87E-04
2485	1.59E-04	1.38E-04	2.97E-04
2486	1.63E-04	1.42E-04	3.05E-04
2487	1.65E-04	1.43E-04	3.08E-04
2488	1.66E-04	1.44E-04	3.10E-04
2489	1.68E-04	1.46E-04	3.14E-04
2490	1.70E-04	1.48E-04	3.18E-04
2491	1.73E-04	1.50E-04	3.23E-04
2492	1.75E-04	1.52E-04	3.27E-04
2493	1.75E-04	1.52E-04	3.27E-04
2494	1.78E-04	1.54E-04	3.32E-04
2495	1.80E-04	1.56E-04	3.36E-04
2496	1.76E-04	1.52E-04	3.28E-04
2497	1.69E-04	1.45E-04	3.14E-04
2498	1.64E-04	1.41E-04	3.05E-04

2499	1.63E-04	1.39E-04	3.02E-04
2500	1.58E-04	1.36E-04	2.94E-04
2501	1.54E-04	1.32E-04	2.86E-04
2502	1.50E-04	1.29E-04	2.79E-04
2503	1.46E-04	1.25E-04	2.71E-04
2504	1.42E-04	1.22E-04	2.64E-04
2505	1.38E-04	1.18E-04	2.56E-04
2506	1.34E-04	1.14E-04	2.48E-04
2507	1.31E-04	1.11E-04	2.42E-04
2508	1.28E-04	1.07E-04	2.35E-04
2509	1.24E-04	1.04E-04	2.28E-04
2510	1.22E-04	1.02E-04	2.24E-04
2511	1.18E-04	9.82E-05	2.16E-04
2512	1.14E-04	9.44E-05	2.08E-04
2513	1.10E-04	9.05E-05	2.01E-04
2514	1.05E-04	8.58E-05	1.91E-04
2515	1.02E-04	8.25E-05	1.85E-04
2516	9.85E-05	7.95E-05	1.78E-04
2517	9.52E-05	7.60E-05	1.71E-04
2518	9.20E-05	7.28E-05	1.65E-04
2519	8.90E-05	6.97E-05	1.59E-04
2520	8.61E-05	6.69E-05	1.53E-04
2521	6.65E-05	5.49E-05	1.21E-04
2522	6.92E-05	5.71E-05	1.26E-04
2523	7.12E-05	5.89E-05	1.30E-04
2524	7.32E-05	6.08E-05	1.34E-04
2525	7.53E-05	6.28E-05	1.38E-04
2526	7.77E-05	6.49E-05	1.43E-04
2527	8.04E-05	6.74E-05	1.48E-04
2528	8.31E-05	6.98E-05	1.53E-04
2529	8.57E-05	7.23E-05	1.58E-04
2530	8.85E-05	7.48E-05	1.63E-04
2531	9.15E-05	7.76E-05	1.69E-04
2532	9.50E-05	8.08E-05	1.76E-04
2533	9.86E-05	8.40E-05	1.83E-04
2534	1.02E-04	8.74E-05	1.89E-04
2535	1.06E-04	9.08E-05	1.97E-04
2536	1.10E-04	9.42E-05	2.04E-04
2537	1.14E-04	9.77E-05	2.12E-04
2538	1.18E-04	1.02E-04	2.20E-04
2539	1.23E-04	1.06E-04	2.29E-04
2540	1.27E-04	1.10E-04	2.37E-04
2541	1.29E-04	1.12E-04	2.41E-04
2542	1.33E-04	1.15E-04	2.48E-04
2543	1.37E-04	1.19E-04	2.56E-04
2544	1.41E-04	1.23E-04	2.64E-04
2545	1.46E-04	1.26E-04	2.72E-04
2546	1.50E-04	1.31E-04	2.81E-04
2547	1.55E-04	1.34E-04	2.89E-04
2548	1.56E-04	1.36E-04	2.92E-04

2549	1.56E-04	1.35E-04	2.91E-04
2550	1.57E-04	1.36E-04	2.93E-04
2551	1.59E-04	1.38E-04	2.97E-04
2552	1.60E-04	1.39E-04	2.99E-04
2553	1.61E-04	1.40E-04	3.01E-04
2554	1.63E-04	1.41E-04	3.04E-04
2555	1.65E-04	1.43E-04	3.08E-04
2556	1.67E-04	1.45E-04	3.12E-04
2557	1.59E-04	1.37E-04	2.96E-04
2558	1.57E-04	1.34E-04	2.91E-04
2559	1.55E-04	1.32E-04	2.87E-04
2560	1.54E-04	1.31E-04	2.85E-04
2561	1.49E-04	1.27E-04	2.76E-04
2562	1.45E-04	1.24E-04	2.69E-04
2563	1.41E-04	1.21E-04	2.62E-04
2564	1.38E-04	1.18E-04	2.56E-04
2565	1.34E-04	1.15E-04	2.49E-04
2566	1.31E-04	1.11E-04	2.42E-04
2567	1.27E-04	1.08E-04	2.35E-04
2568	1.24E-04	1.04E-04	2.28E-04
2569	1.22E-04	1.02E-04	2.24E-04
2570	1.18E-04	9.91E-05	2.17E-04
2571	1.15E-04	9.64E-05	2.11E-04
2572	1.13E-04	9.40E-05	2.07E-04
2573	1.09E-04	9.11E-05	2.00E-04
2574	1.05E-04	8.72E-05	1.92E-04
2575	1.01E-04	8.24E-05	1.83E-04
2576	9.82E-05	8.01E-05	1.78E-04
2577	9.51E-05	7.72E-05	1.72E-04
2578	9.19E-05	7.40E-05	1.66E-04
2579	8.93E-05	7.15E-05	1.61E-04
2580	8.58E-05	6.80E-05	1.54E-04
2581	8.33E-05	6.55E-05	1.49E-04
2582	6.38E-05	5.24E-05	1.16E-04
2583	6.65E-05	5.49E-05	1.21E-04
2584	6.86E-05	5.68E-05	1.25E-04
2585	7.08E-05	5.88E-05	1.30E-04
2586	7.23E-05	6.01E-05	1.32E-04
2587	7.44E-05	6.21E-05	1.37E-04
2588	7.68E-05	6.42E-05	1.41E-04
2589	8.00E-05	6.72E-05	1.47E-04
2590	8.29E-05	6.98E-05	1.53E-04
2591	8.54E-05	7.21E-05	1.58E-04
2592	8.82E-05	7.46E-05	1.63E-04
2593	9.12E-05	7.74E-05	1.69E-04
2594	9.44E-05	8.02E-05	1.75E-04
2595	9.76E-05	8.31E-05	1.81E-04
2596	1.01E-04	8.62E-05	1.87E-04
2597	1.05E-04	8.93E-05	1.94E-04
2598	1.08E-04	9.25E-05	2.01E-04

2599	1.12E-04	9.58E-05	2.08E-04
2600	1.15E-04	9.91E-05	2.14E-04
2601	1.19E-04	1.02E-04	2.21E-04
2602	1.23E-04	1.06E-04	2.29E-04
2603	1.26E-04	1.09E-04	2.35E-04
2604	1.30E-04	1.13E-04	2.43E-04
2605	1.34E-04	1.16E-04	2.50E-04
2606	1.38E-04	1.19E-04	2.57E-04
2607	1.42E-04	1.23E-04	2.65E-04
2608	1.46E-04	1.27E-04	2.73E-04
2609	1.48E-04	1.28E-04	2.76E-04
2610	1.48E-04	1.28E-04	2.76E-04
2611	1.49E-04	1.29E-04	2.78E-04
2612	1.50E-04	1.30E-04	2.80E-04
2613	1.51E-04	1.31E-04	2.82E-04
2614	1.52E-04	1.31E-04	2.83E-04
2615	1.51E-04	1.31E-04	2.82E-04
2616	1.53E-04	1.32E-04	2.85E-04
2617	1.55E-04	1.34E-04	2.89E-04
2618	1.49E-04	1.28E-04	2.77E-04
2619	1.47E-04	1.25E-04	2.72E-04
2620	1.46E-04	1.24E-04	2.70E-04
2621	1.44E-04	1.22E-04	2.66E-04
2622	1.43E-04	1.21E-04	2.64E-04
2623	1.40E-04	1.18E-04	2.58E-04
2624	1.33E-04	1.13E-04	2.46E-04
2625	1.30E-04	1.11E-04	2.41E-04
2626	1.28E-04	1.08E-04	2.36E-04
2627	1.24E-04	1.05E-04	2.29E-04
2628	1.21E-04	1.02E-04	2.23E-04
2629	1.18E-04	9.91E-05	2.17E-04
2630	1.15E-04	9.62E-05	2.11E-04
2631	1.12E-04	9.34E-05	2.05E-04
2632	1.10E-04	9.14E-05	2.01E-04
2633	1.08E-04	9.01E-05	1.98E-04
2634	1.05E-04	8.75E-05	1.93E-04
2635	1.02E-04	8.40E-05	1.86E-04
2636	9.67E-05	7.95E-05	1.76E-04
2637	9.50E-05	7.78E-05	1.73E-04
2638	9.09E-05	7.37E-05	1.65E-04
2639	8.80E-05	7.09E-05	1.59E-04
2640	8.60E-05	6.92E-05	1.55E-04
2641	8.30E-05	6.63E-05	1.49E-04
2642	8.03E-05	6.36E-05	1.44E-04
2643	6.11E-05	5.00E-05	1.11E-04
2644	6.37E-05	5.25E-05	1.16E-04
2645	6.57E-05	5.42E-05	1.20E-04
2646	6.79E-05	5.62E-05	1.24E-04
2647	6.97E-05	5.78E-05	1.28E-04
2648	7.19E-05	5.98E-05	1.32E-04

2649	7.43E-05	6.20E-05	1.36E-04
2650	7.71E-05	6.45E-05	1.42E-04
2651	7.98E-05	6.71E-05	1.47E-04
2652	8.25E-05	6.95E-05	1.52E-04
2653	8.49E-05	7.17E-05	1.57E-04
2654	8.73E-05	7.38E-05	1.61E-04
2655	9.03E-05	7.65E-05	1.67E-04
2656	9.33E-05	7.92E-05	1.73E-04
2657	9.59E-05	8.14E-05	1.77E-04
2658	9.95E-05	8.47E-05	1.84E-04
2659	1.03E-04	8.74E-05	1.90E-04
2660	1.06E-04	9.06E-05	1.97E-04
2661	1.09E-04	9.35E-05	2.03E-04
2662	1.13E-04	9.65E-05	2.10E-04
2663	1.16E-04	1.00E-04	2.16E-04
2664	1.20E-04	1.03E-04	2.23E-04
2665	1.23E-04	1.06E-04	2.29E-04
2666	1.27E-04	1.09E-04	2.36E-04
2667	1.30E-04	1.13E-04	2.43E-04
2668	1.34E-04	1.16E-04	2.50E-04
2669	1.38E-04	1.19E-04	2.57E-04
2670	1.40E-04	1.21E-04	2.61E-04
2671	1.40E-04	1.21E-04	2.61E-04
2672	1.41E-04	1.22E-04	2.63E-04
2673	1.42E-04	1.23E-04	2.65E-04
2674	1.43E-04	1.24E-04	2.67E-04
2675	1.43E-04	1.24E-04	2.67E-04
2676	1.42E-04	1.23E-04	2.65E-04
2677	1.45E-04	1.25E-04	2.70E-04
2678	1.45E-04	1.25E-04	2.70E-04
2679	1.42E-04	1.22E-04	2.64E-04
2680	1.39E-04	1.19E-04	2.58E-04
2681	1.37E-04	1.16E-04	2.53E-04
2682	1.36E-04	1.15E-04	2.51E-04
2683	1.34E-04	1.13E-04	2.47E-04
2684	1.32E-04	1.12E-04	2.44E-04
2685	1.29E-04	1.08E-04	2.37E-04
2686	1.23E-04	1.04E-04	2.27E-04
2687	1.21E-04	1.02E-04	2.23E-04
2688	1.20E-04	1.00E-04	2.20E-04
2689	1.17E-04	9.86E-05	2.16E-04
2690	1.12E-04	9.41E-05	2.06E-04
2691	1.11E-04	9.29E-05	2.04E-04
2692	1.08E-04	8.93E-05	1.97E-04
2693	1.05E-04	8.67E-05	1.92E-04
2694	1.05E-04	8.81E-05	1.93E-04
2695	1.01E-04	8.41E-05	1.85E-04
2696	9.79E-05	8.09E-05	1.79E-04
2697	9.34E-05	7.68E-05	1.70E-04
2698	9.20E-05	7.55E-05	1.68E-04

2699	8.87E-05	7.24E-05	1.61E-04
2700	8.53E-05	6.89E-05	1.54E-04
2701	8.34E-05	6.75E-05	1.51E-04
2702	8.07E-05	6.49E-05	1.46E-04
2703	7.79E-05	6.22E-05	1.40E-04
2704	5.88E-05	4.79E-05	1.07E-04
2705	6.15E-05	5.05E-05	1.12E-04
2706	6.36E-05	5.24E-05	1.16E-04
2707	6.58E-05	5.45E-05	1.20E-04
2708	6.75E-05	5.60E-05	1.24E-04
2709	6.97E-05	5.79E-05	1.28E-04
2710	7.18E-05	5.98E-05	1.32E-04
2711	7.46E-05	6.24E-05	1.37E-04
2712	7.73E-05	6.48E-05	1.42E-04
2713	7.96E-05	6.69E-05	1.47E-04
2714	8.20E-05	6.90E-05	1.51E-04
2715	8.43E-05	7.11E-05	1.55E-04
2716	8.69E-05	7.34E-05	1.60E-04
2717	8.97E-05	7.59E-05	1.66E-04
2718	9.17E-05	7.75E-05	1.69E-04
2719	9.48E-05	8.03E-05	1.75E-04
2720	9.74E-05	8.26E-05	1.80E-04
2721	1.01E-04	8.57E-05	1.87E-04
2722	1.03E-04	8.81E-05	1.91E-04
2723	1.07E-04	9.09E-05	1.98E-04
2724	1.10E-04	9.45E-05	2.05E-04
2725	1.13E-04	9.73E-05	2.10E-04
2726	1.16E-04	1.00E-04	2.16E-04
2727	1.20E-04	1.03E-04	2.23E-04
2728	1.24E-04	1.06E-04	2.30E-04
2729	1.27E-04	1.09E-04	2.36E-04
2730	1.30E-04	1.12E-04	2.42E-04
2731	1.32E-04	1.14E-04	2.46E-04
2732	1.33E-04	1.15E-04	2.48E-04
2733	1.33E-04	1.15E-04	2.48E-04
2734	1.35E-04	1.16E-04	2.51E-04
2735	1.35E-04	1.17E-04	2.52E-04
2736	1.35E-04	1.16E-04	2.51E-04
2737	1.34E-04	1.16E-04	2.50E-04
2738	1.36E-04	1.17E-04	2.53E-04
2739	1.37E-04	1.18E-04	2.55E-04
2740	1.34E-04	1.15E-04	2.49E-04
2741	1.33E-04	1.14E-04	2.47E-04
2742	1.30E-04	1.11E-04	2.41E-04
2743	1.28E-04	1.10E-04	2.38E-04
2744	1.31E-04	1.11E-04	2.42E-04
2745	1.29E-04	1.09E-04	2.38E-04
2746	1.23E-04	1.03E-04	2.26E-04
2747	1.20E-04	1.00E-04	2.20E-04
2748	1.15E-04	9.66E-05	2.12E-04

2749	1.15E-04	9.63E-05	2.11E-04
2750	1.14E-04	9.54E-05	2.09E-04
2751	1.09E-04	9.09E-05	2.00E-04
2752	1.06E-04	8.90E-05	1.95E-04
2753	1.05E-04	8.73E-05	1.92E-04
2754	1.01E-04	8.31E-05	1.84E-04
2755	9.79E-05	8.07E-05	1.79E-04
2756	9.66E-05	7.97E-05	1.76E-04
2757	9.28E-05	7.66E-05	1.69E-04
2758	9.01E-05	7.41E-05	1.64E-04
2759	8.90E-05	7.31E-05	1.62E-04
2760	8.65E-05	7.08E-05	1.57E-04
2761	8.32E-05	6.76E-05	1.51E-04
2762	8.11E-05	6.58E-05	1.47E-04
2763	7.84E-05	6.33E-05	1.42E-04
2764	7.58E-05	6.08E-05	1.37E-04
2765	5.69E-05	4.62E-05	1.03E-04
2766	5.97E-05	4.89E-05	1.09E-04
2767	6.17E-05	5.07E-05	1.12E-04
2768	6.39E-05	5.27E-05	1.17E-04
2769	6.56E-05	5.42E-05	1.20E-04
2770	6.75E-05	5.60E-05	1.24E-04
2771	6.96E-05	5.78E-05	1.27E-04
2772	7.19E-05	6.00E-05	1.32E-04
2773	7.43E-05	6.21E-05	1.36E-04
2774	7.66E-05	6.42E-05	1.41E-04
2775	7.92E-05	6.66E-05	1.46E-04
2776	8.16E-05	6.88E-05	1.50E-04
2777	8.40E-05	7.08E-05	1.55E-04
2778	8.64E-05	7.29E-05	1.59E-04
2779	8.83E-05	7.45E-05	1.63E-04
2780	9.11E-05	7.70E-05	1.68E-04
2781	9.29E-05	7.85E-05	1.71E-04
2782	9.58E-05	8.12E-05	1.77E-04
2783	9.84E-05	8.35E-05	1.82E-04
2784	1.02E-04	8.64E-05	1.88E-04
2785	1.01E-04	8.54E-05	1.86E-04
2786	1.02E-04	8.59E-05	1.88E-04
2787	1.06E-04	9.00E-05	1.96E-04
2788	1.12E-04	9.60E-05	2.08E-04
2789	1.17E-04	1.00E-04	2.17E-04
2790	1.20E-04	1.03E-04	2.23E-04
2791	1.23E-04	1.05E-04	2.28E-04
2792	1.25E-04	1.08E-04	2.33E-04
2793	1.27E-04	1.10E-04	2.37E-04
2794	1.27E-04	1.09E-04	2.36E-04
2795	1.27E-04	1.09E-04	2.36E-04
2796	1.28E-04	1.10E-04	2.38E-04
2797	1.28E-04	1.10E-04	2.38E-04
2798	1.29E-04	1.11E-04	2.40E-04

2799	1.31E-04	1.13E-04	2.44E-04
2800	1.32E-04	1.13E-04	2.45E-04
2801	1.28E-04	1.10E-04	2.38E-04
2802	1.29E-04	1.11E-04	2.40E-04
2803	1.27E-04	1.09E-04	2.36E-04
2804	1.26E-04	1.07E-04	2.33E-04
2805	1.26E-04	1.07E-04	2.33E-04
2806	1.24E-04	1.06E-04	2.30E-04
2807	1.20E-04	1.02E-04	2.22E-04
2808	1.16E-04	9.74E-05	2.13E-04
2809	1.12E-04	9.36E-05	2.06E-04
2810	1.12E-04	9.36E-05	2.06E-04
2811	1.10E-04	9.21E-05	2.02E-04
2812	1.04E-04	8.75E-05	1.92E-04
2813	1.03E-04	8.62E-05	1.89E-04
2814	1.00E-04	8.31E-05	1.83E-04
2815	9.66E-05	8.00E-05	1.77E-04
2816	9.42E-05	7.79E-05	1.72E-04
2817	9.18E-05	7.58E-05	1.68E-04
2818	8.94E-05	7.37E-05	1.63E-04
2819	8.71E-05	7.15E-05	1.59E-04
2820	8.63E-05	7.09E-05	1.57E-04
2821	8.39E-05	6.88E-05	1.53E-04
2822	8.08E-05	6.58E-05	1.47E-04
2823	7.87E-05	6.40E-05	1.43E-04
2824	7.62E-05	6.18E-05	1.38E-04
2825	7.39E-05	5.95E-05	1.33E-04
2826	5.52E-05	4.48E-05	1.00E-04
2827	5.79E-05	4.74E-05	1.05E-04
2828	5.99E-05	4.92E-05	1.09E-04
2829	6.20E-05	5.11E-05	1.13E-04
2830	6.36E-05	5.25E-05	1.16E-04
2831	6.56E-05	5.43E-05	1.20E-04
2832	6.74E-05	5.60E-05	1.23E-04
2833	6.97E-05	5.80E-05	1.28E-04
2834	7.19E-05	6.00E-05	1.32E-04
2835	7.41E-05	6.20E-05	1.36E-04
2836	7.64E-05	6.41E-05	1.41E-04
2837	7.88E-05	6.62E-05	1.45E-04
2838	8.11E-05	6.82E-05	1.49E-04
2839	8.33E-05	7.02E-05	1.54E-04
2840	8.51E-05	7.16E-05	1.57E-04
2841	8.77E-05	7.39E-05	1.62E-04
2842	8.85E-05	7.45E-05	1.63E-04
2843	9.03E-05	7.61E-05	1.66E-04
2844	9.31E-05	7.87E-05	1.72E-04
2845	9.62E-05	8.15E-05	1.78E-04
2846	9.41E-05	7.92E-05	1.73E-04
2847	9.58E-05	8.08E-05	1.77E-04
2848	9.96E-05	8.45E-05	1.84E-04

2849	1.06E-04	9.08E-05	1.97E-04
2850	1.10E-04	9.44E-05	2.04E-04
2851	1.14E-04	9.74E-05	2.11E-04
2852	1.12E-04	9.57E-05	2.08E-04
2853	1.16E-04	9.91E-05	2.15E-04
2854	1.20E-04	1.03E-04	2.23E-04
2855	1.22E-04	1.05E-04	2.27E-04
2856	1.21E-04	1.04E-04	2.25E-04
2857	1.21E-04	1.04E-04	2.25E-04
2858	1.21E-04	1.05E-04	2.26E-04
2859	1.22E-04	1.05E-04	2.27E-04
2860	1.24E-04	1.07E-04	2.31E-04
2861	1.25E-04	1.08E-04	2.33E-04
2862	1.23E-04	1.05E-04	2.28E-04
2863	1.26E-04	1.08E-04	2.34E-04
2864	1.25E-04	1.08E-04	2.33E-04
2865	1.22E-04	1.05E-04	2.27E-04
2866	1.21E-04	1.04E-04	2.25E-04
2867	1.21E-04	1.04E-04	2.25E-04
2868	1.17E-04	1.00E-04	2.17E-04
2869	1.13E-04	9.60E-05	2.09E-04
2870	1.10E-04	9.29E-05	2.03E-04
2871	1.08E-04	9.15E-05	2.00E-04
2872	1.07E-04	9.00E-05	1.97E-04
2873	1.03E-04	8.59E-05	1.89E-04
2874	1.00E-04	8.36E-05	1.84E-04
2875	9.66E-05	8.00E-05	1.77E-04
2876	9.27E-05	7.64E-05	1.69E-04
2877	9.04E-05	7.44E-05	1.65E-04
2878	8.91E-05	7.33E-05	1.62E-04
2879	8.75E-05	7.18E-05	1.59E-04
2880	8.50E-05	6.95E-05	1.55E-04
2881	8.32E-05	6.82E-05	1.51E-04
2882	8.10E-05	6.63E-05	1.47E-04
2883	7.89E-05	6.44E-05	1.43E-04
2884	7.64E-05	6.22E-05	1.39E-04
2885	7.43E-05	6.03E-05	1.35E-04
2886	7.20E-05	5.82E-05	1.30E-04
2887	5.37E-05	4.35E-05	9.72E-05
2888	5.64E-05	4.60E-05	1.02E-04
2889	5.84E-05	4.79E-05	1.06E-04
2890	6.03E-05	4.96E-05	1.10E-04
2891	6.18E-05	5.10E-05	1.13E-04
2892	6.36E-05	5.26E-05	1.16E-04
2893	6.53E-05	5.41E-05	1.19E-04
2894	6.75E-05	5.61E-05	1.24E-04
2895	6.94E-05	5.77E-05	1.27E-04
2896	7.15E-05	5.97E-05	1.31E-04
2897	7.38E-05	6.17E-05	1.36E-04
2898	7.61E-05	6.38E-05	1.40E-04

2899	7.82E-05	6.56E-05	1.44E-04
2900	8.03E-05	6.75E-05	1.48E-04
2901	8.15E-05	6.84E-05	1.50E-04
2902	8.39E-05	7.06E-05	1.55E-04
2903	8.44E-05	7.09E-05	1.55E-04
2904	8.61E-05	7.23E-05	1.58E-04
2905	8.85E-05	7.45E-05	1.63E-04
2906	9.13E-05	7.71E-05	1.68E-04
2907	9.24E-05	7.80E-05	1.70E-04
2908	9.29E-05	7.84E-05	1.71E-04
2909	9.77E-05	8.30E-05	1.81E-04
2910	1.01E-04	8.58E-05	1.87E-04
2911	1.05E-04	8.92E-05	1.94E-04
2912	1.07E-04	9.14E-05	1.98E-04
2913	1.01E-04	8.50E-05	1.86E-04
2914	1.09E-04	9.33E-05	2.02E-04
2915	1.14E-04	9.79E-05	2.12E-04
2916	1.15E-04	9.89E-05	2.14E-04
2917	1.15E-04	9.88E-05	2.14E-04
2918	1.15E-04	9.87E-05	2.14E-04
2919	1.16E-04	9.95E-05	2.16E-04
2920	1.17E-04	1.01E-04	2.18E-04
2921	1.18E-04	1.01E-04	2.19E-04
2922	1.19E-04	1.02E-04	2.21E-04
2923	1.18E-04	1.01E-04	2.19E-04
2924	1.20E-04	1.03E-04	2.23E-04
2925	1.20E-04	1.03E-04	2.23E-04
2926	1.19E-04	1.02E-04	2.21E-04
2927	1.19E-04	1.02E-04	2.21E-04
2928	1.18E-04	1.01E-04	2.19E-04
2929	1.15E-04	9.82E-05	2.13E-04
2930	1.12E-04	9.51E-05	2.07E-04
2931	1.09E-04	9.28E-05	2.02E-04
2932	1.05E-04	8.89E-05	1.94E-04
2933	1.02E-04	8.63E-05	1.88E-04
2934	9.96E-05	8.37E-05	1.83E-04
2935	9.69E-05	8.11E-05	1.78E-04
2936	9.39E-05	7.83E-05	1.72E-04
2937	8.91E-05	7.35E-05	1.63E-04
2938	8.70E-05	7.16E-05	1.59E-04
2939	8.61E-05	7.06E-05	1.57E-04
2940	8.41E-05	6.88E-05	1.53E-04
2941	8.23E-05	6.72E-05	1.50E-04
2942	8.08E-05	6.63E-05	1.47E-04
2943	7.84E-05	6.41E-05	1.43E-04
2944	7.62E-05	6.21E-05	1.38E-04
2945	7.43E-05	6.05E-05	1.35E-04
2946	7.22E-05	5.87E-05	1.31E-04
2947	7.02E-05	5.69E-05	1.27E-04
2948	5.22E-05	4.22E-05	9.44E-05

2949	5.48E-05	4.47E-05	9.95E-05
2950	5.66E-05	4.64E-05	1.03E-04
2951	5.86E-05	4.82E-05	1.07E-04
2952	6.01E-05	4.95E-05	1.10E-04
2953	6.18E-05	5.10E-05	1.13E-04
2954	6.33E-05	5.23E-05	1.16E-04
2955	6.52E-05	5.40E-05	1.19E-04
2956	6.71E-05	5.57E-05	1.23E-04
2957	6.92E-05	5.76E-05	1.27E-04
2958	7.13E-05	5.95E-05	1.31E-04
2959	7.35E-05	6.15E-05	1.35E-04
2960	7.54E-05	6.32E-05	1.39E-04
2961	7.75E-05	6.50E-05	1.43E-04
2962	7.85E-05	6.57E-05	1.44E-04
2963	8.04E-05	6.74E-05	1.48E-04
2964	8.08E-05	6.77E-05	1.49E-04
2965	8.22E-05	6.88E-05	1.51E-04
2966	8.44E-05	7.08E-05	1.55E-04
2967	8.64E-05	7.26E-05	1.59E-04
2968	8.78E-05	7.38E-05	1.62E-04
2969	8.99E-05	7.59E-05	1.66E-04
2970	9.32E-05	7.89E-05	1.72E-04
2971	9.64E-05	8.18E-05	1.78E-04
2972	9.94E-05	8.45E-05	1.84E-04
2973	9.88E-05	8.35E-05	1.82E-04
2974	9.63E-05	8.09E-05	1.77E-04
2975	1.03E-04	8.74E-05	1.90E-04
2976	1.09E-04	9.31E-05	2.02E-04
2977	1.09E-04	9.38E-05	2.03E-04
2978	1.10E-04	9.42E-05	2.04E-04
2979	1.10E-04	9.46E-05	2.05E-04
2980	1.10E-04	9.49E-05	2.05E-04
2981	1.11E-04	9.50E-05	2.06E-04
2982	1.12E-04	9.57E-05	2.08E-04
2983	1.13E-04	9.66E-05	2.10E-04
2984	1.13E-04	9.67E-05	2.10E-04
2985	1.14E-04	9.77E-05	2.12E-04
2986	1.15E-04	9.84E-05	2.13E-04
2987	1.15E-04	9.88E-05	2.14E-04
2988	1.16E-04	9.93E-05	2.15E-04
2989	1.14E-04	9.78E-05	2.12E-04
2990	1.12E-04	9.55E-05	2.08E-04
2991	1.10E-04	9.39E-05	2.04E-04
2992	1.08E-04	9.21E-05	2.00E-04
2993	1.05E-04	8.92E-05	1.94E-04
2994	1.01E-04	8.55E-05	1.87E-04
2995	9.71E-05	8.16E-05	1.79E-04
2996	9.31E-05	7.77E-05	1.71E-04
2997	9.10E-05	7.59E-05	1.67E-04
2998	8.83E-05	7.33E-05	1.62E-04

2999	8.55E-05	7.04E-05	1.56E-04
3000	8.19E-05	6.74E-05	1.49E-04
3001	8.07E-05	6.60E-05	1.47E-04
3002	7.91E-05	6.45E-05	1.44E-04
3003	7.84E-05	6.43E-05	1.43E-04
3004	7.67E-05	6.28E-05	1.40E-04
3005	7.47E-05	6.11E-05	1.36E-04
3006	7.23E-05	5.89E-05	1.31E-04
3007	7.03E-05	5.71E-05	1.27E-04
3008	6.89E-05	5.61E-05	1.25E-04
3009	5.04E-05	4.06E-05	9.10E-05
3010	5.29E-05	4.30E-05	9.59E-05
3011	5.48E-05	4.47E-05	9.95E-05
3012	5.69E-05	4.67E-05	1.04E-04
3013	5.83E-05	4.79E-05	1.06E-04
3014	6.00E-05	4.94E-05	1.09E-04
3015	6.14E-05	5.07E-05	1.12E-04
3016	6.35E-05	5.25E-05	1.16E-04
3017	6.52E-05	5.41E-05	1.19E-04
3018	6.70E-05	5.57E-05	1.23E-04
3019	6.90E-05	5.75E-05	1.27E-04
3020	7.10E-05	5.92E-05	1.30E-04
3021	7.28E-05	6.08E-05	1.34E-04
3022	7.48E-05	6.26E-05	1.37E-04
3023	7.57E-05	6.32E-05	1.39E-04
3024	7.75E-05	6.49E-05	1.42E-04
3025	7.77E-05	6.49E-05	1.43E-04
3026	7.93E-05	6.63E-05	1.46E-04
3027	8.08E-05	6.75E-05	1.48E-04
3028	8.25E-05	6.91E-05	1.52E-04
3029	8.41E-05	7.07E-05	1.55E-04
3030	8.67E-05	7.31E-05	1.60E-04
3031	8.94E-05	7.55E-05	1.65E-04
3032	9.30E-05	7.88E-05	1.72E-04
3033	9.25E-05	7.80E-05	1.71E-04
3034	9.23E-05	7.75E-05	1.70E-04
3035	9.55E-05	8.05E-05	1.76E-04
3036	1.01E-04	8.64E-05	1.87E-04
3037	1.03E-04	8.84E-05	1.91E-04
3038	1.04E-04	8.92E-05	1.93E-04
3039	1.05E-04	8.97E-05	1.95E-04
3040	1.05E-04	9.01E-05	1.95E-04
3041	1.05E-04	9.03E-05	1.95E-04
3042	1.05E-04	9.01E-05	1.95E-04
3043	1.06E-04	9.07E-05	1.97E-04
3044	1.07E-04	9.15E-05	1.99E-04
3045	1.08E-04	9.25E-05	2.01E-04
3046	1.09E-04	9.37E-05	2.03E-04
3047	1.10E-04	9.46E-05	2.05E-04
3048	1.11E-04	9.52E-05	2.06E-04

3049	1.11E-04	9.53E-05	2.06E-04
3050	1.10E-04	9.43E-05	2.04E-04
3051	1.09E-04	9.32E-05	2.02E-04
3052	1.08E-04	9.23E-05	2.00E-04
3053	1.06E-04	9.06E-05	1.97E-04
3054	1.03E-04	8.78E-05	1.91E-04
3055	1.00E-04	8.54E-05	1.85E-04
3056	9.74E-05	8.26E-05	1.80E-04
3057	9.49E-05	8.02E-05	1.75E-04
3058	9.10E-05	7.64E-05	1.67E-04
3059	8.80E-05	7.36E-05	1.62E-04
3060	8.46E-05	7.04E-05	1.55E-04
3061	8.13E-05	6.71E-05	1.48E-04
3062	7.89E-05	6.47E-05	1.44E-04
3063	7.67E-05	6.25E-05	1.39E-04
3064	7.59E-05	6.22E-05	1.38E-04
3065	7.44E-05	6.09E-05	1.35E-04
3066	7.26E-05	5.94E-05	1.32E-04
3067	7.06E-05	5.76E-05	1.28E-04
3068	6.87E-05	5.59E-05	1.25E-04
3069	6.66E-05	5.41E-05	1.21E-04
3070	7.97E-05	2.80E-05	1.08E-04
3071	8.75E-05	2.92E-05	1.17E-04
3072	9.42E-05	3.04E-05	1.25E-04
3073	1.00E-04	3.17E-05	1.32E-04
3074	1.05E-04	3.30E-05	1.38E-04
3075	1.10E-04	3.44E-05	1.44E-04
3076	1.13E-04	3.58E-05	1.49E-04
3077	1.16E-04	3.73E-05	1.53E-04
3078	1.19E-04	3.87E-05	1.58E-04
3079	1.22E-04	4.02E-05	1.62E-04
3080	1.23E-04	4.11E-05	1.64E-04
3081	1.25E-04	4.10E-05	1.66E-04
3082	1.24E-04	3.96E-05	1.64E-04
3083	1.24E-04	3.88E-05	1.63E-04
3084	1.23E-04	3.73E-05	1.60E-04
3085	1.22E-04	3.90E-05	1.61E-04
3086	1.17E-04	3.66E-05	1.54E-04
3087	1.11E-04	3.55E-05	1.47E-04
3088	8.41E-05	3.37E-05	1.18E-04
3089	6.98E-05	3.11E-05	1.01E-04
3090	5.74E-05	2.86E-05	8.60E-05
3091	5.00E-05	2.66E-05	7.66E-05
3092	4.69E-05	2.61E-05	7.30E-05
3093	4.25E-05	2.45E-05	6.70E-05
3094	4.02E-05	2.38E-05	6.40E-05
3095	4.17E-05	2.55E-05	6.72E-05
3096	4.36E-05	2.73E-05	7.09E-05
3097	3.73E-05	2.38E-05	6.11E-05
3098	3.48E-05	2.26E-05	5.74E-05

3099	3.44E-05	2.27E-05	5.71E-05
3100	3.32E-05	2.23E-05	5.55E-05
3101	3.16E-05	2.16E-05	5.32E-05
3102	3.15E-05	2.19E-05	5.34E-05
3103	3.02E-05	2.13E-05	5.15E-05
3104	2.94E-05	2.11E-05	5.05E-05
3105	2.93E-05	2.13E-05	5.06E-05
3106	2.93E-05	2.15E-05	5.08E-05
3107	2.99E-05	2.20E-05	5.19E-05
3108	3.09E-05	2.29E-05	5.38E-05
3109	1.05E-04	2.91E-05	1.34E-04
3110	1.18E-04	3.04E-05	1.48E-04
3111	1.29E-04	3.18E-05	1.61E-04
3112	1.37E-04	3.32E-05	1.70E-04
3113	1.43E-04	3.46E-05	1.78E-04
3114	1.47E-04	3.62E-05	1.83E-04
3115	1.51E-04	3.78E-05	1.89E-04
3116	1.55E-04	3.94E-05	1.94E-04
3117	1.58E-04	4.11E-05	1.99E-04
3118	1.61E-04	4.28E-05	2.04E-04
3119	1.66E-04	4.44E-05	2.10E-04
3120	1.68E-04	4.55E-05	2.14E-04
3121	1.70E-04	4.42E-05	2.14E-04
3122	1.70E-04	4.25E-05	2.13E-04
3123	1.68E-04	4.22E-05	2.10E-04
3124	1.65E-04	4.16E-05	2.07E-04
3125	1.59E-04	3.98E-05	1.99E-04
3126	1.46E-04	3.79E-05	1.84E-04
3127	9.10E-05	3.46E-05	1.26E-04
3128	7.04E-05	3.17E-05	1.02E-04
3129	5.07E-05	2.52E-05	7.59E-05
3130	4.56E-05	2.38E-05	6.94E-05
3131	4.33E-05	2.38E-05	6.71E-05
3132	4.12E-05	2.36E-05	6.48E-05
3133	3.90E-05	2.31E-05	6.21E-05
3134	3.90E-05	2.40E-05	6.30E-05
3135	4.19E-05	2.65E-05	6.84E-05
3136	3.96E-05	2.56E-05	6.52E-05
3137	3.56E-05	2.34E-05	5.90E-05
3138	3.55E-05	2.38E-05	5.93E-05
3139	3.41E-05	2.33E-05	5.74E-05
3140	3.26E-05	2.27E-05	5.53E-05
3141	3.27E-05	2.31E-05	5.58E-05
3142	3.22E-05	2.31E-05	5.53E-05
3143	3.17E-05	2.31E-05	5.48E-05
3144	3.18E-05	2.34E-05	5.52E-05
3145	3.20E-05	2.37E-05	5.57E-05
3146	3.26E-05	2.44E-05	5.70E-05
3147	3.29E-05	2.48E-05	5.77E-05
3148	1.81E-04	3.03E-05	2.11E-04

3149	2.05E-04	3.17E-05	2.37E-04
3150	2.23E-04	3.32E-05	2.56E-04
3151	2.39E-04	3.47E-05	2.74E-04
3152	2.47E-04	3.64E-05	2.83E-04
3153	2.51E-04	3.81E-05	2.89E-04
3154	2.55E-04	3.99E-05	2.95E-04
3155	2.59E-04	4.17E-05	3.01E-04
3156	2.61E-04	4.36E-05	3.05E-04
3157	2.66E-04	4.56E-05	3.12E-04
3158	2.82E-04	4.75E-05	3.30E-04
3159	3.03E-04	4.45E-05	3.48E-04
3160	3.26E-04	4.25E-05	3.69E-04
3161	3.31E-04	4.18E-05	3.73E-04
3162	1.01E-04	3.70E-05	1.38E-04
3163	7.97E-05	3.48E-05	1.15E-04
3164	6.30E-05	3.13E-05	9.43E-05
3165	5.17E-05	2.73E-05	7.90E-05
3166	4.64E-05	2.57E-05	7.21E-05
3167	4.33E-05	2.50E-05	6.83E-05
3168	4.13E-05	2.48E-05	6.61E-05
3169	4.07E-05	2.53E-05	6.60E-05
3170	4.06E-05	2.59E-05	6.65E-05
3171	3.93E-05	2.56E-05	6.49E-05
3172	3.80E-05	2.53E-05	6.33E-05
3173	3.74E-05	2.54E-05	6.28E-05
3174	3.60E-05	2.50E-05	6.10E-05
3175	3.50E-05	2.48E-05	5.98E-05
3176	3.47E-05	2.50E-05	5.97E-05
3177	3.43E-05	2.51E-05	5.94E-05
3178	3.39E-05	2.51E-05	5.90E-05
3179	3.45E-05	2.56E-05	6.01E-05
3180	3.53E-05	2.64E-05	6.17E-05
3181	3.54E-05	2.68E-05	6.22E-05
3182	3.44E-05	2.63E-05	6.07E-05
3183	4.96E-04	4.33E-05	5.39E-04
3184	4.69E-04	4.06E-05	5.10E-04
3185	4.21E-04	4.38E-05	4.65E-04
3186	3.61E-04	5.09E-05	4.12E-04
3187	3.31E-04	4.54E-05	3.76E-04
3188	3.33E-04	3.77E-05	3.71E-04
3189	2.91E-04	3.47E-05	3.26E-04
3190	3.11E-04	3.87E-05	3.50E-04
3191	3.08E-04	4.26E-05	3.51E-04
3192	1.72E-04	4.24E-05	2.14E-04
3193	1.21E-04	4.07E-05	1.62E-04
3194	8.30E-05	3.58E-05	1.19E-04
3195	7.21E-05	3.50E-05	1.07E-04
3196	6.39E-05	3.38E-05	9.77E-05
3197	5.46E-05	3.05E-05	8.51E-05
3198	4.85E-05	2.82E-05	7.67E-05

3199	4.50E-05	2.72E-05	7.22E-05
3200	4.37E-05	2.73E-05	7.10E-05
3201	4.27E-05	2.74E-05	7.01E-05
3202	4.14E-05	2.73E-05	6.87E-05
3203	4.06E-05	2.74E-05	6.80E-05
3204	3.95E-05	2.72E-05	6.67E-05
3205	3.87E-05	2.72E-05	6.59E-05
3206	3.79E-05	2.73E-05	6.52E-05
3207	3.75E-05	2.74E-05	6.49E-05
3208	3.69E-05	2.74E-05	6.43E-05
3209	3.70E-05	2.77E-05	6.47E-05
3210	3.78E-05	2.84E-05	6.62E-05
3211	3.84E-05	2.91E-05	6.75E-05
3212	3.84E-05	2.94E-05	6.78E-05
3213	3.73E-05	2.88E-05	6.61E-05
3214	1.51E-04	3.28E-05	1.84E-04
3215	1.67E-04	3.44E-05	2.01E-04
3216	1.76E-04	3.62E-05	2.12E-04
3217	1.82E-04	3.81E-05	2.20E-04
3218	1.86E-04	4.01E-05	2.26E-04
3219	1.87E-04	4.22E-05	2.29E-04
3220	1.88E-04	4.45E-05	2.33E-04
3221	1.91E-04	4.69E-05	2.38E-04
3222	1.91E-04	4.94E-05	2.40E-04
3223	1.88E-04	5.19E-05	2.40E-04
3224	1.88E-04	5.46E-05	2.43E-04
3225	1.82E-04	4.90E-05	2.31E-04
3226	1.70E-04	3.77E-05	2.08E-04
3227	1.06E-04	2.78E-05	1.34E-04
3228	1.46E-04	3.49E-05	1.81E-04
3229	1.87E-04	4.90E-05	2.36E-04
3230	2.06E-04	5.10E-05	2.57E-04
3231	2.61E-04	5.04E-05	3.11E-04
3232	2.35E-04	4.63E-05	2.81E-04
3233	1.42E-04	4.39E-05	1.86E-04
3234	8.92E-05	3.80E-05	1.27E-04
3235	6.85E-05	3.29E-05	1.01E-04
3236	6.20E-05	3.24E-05	9.44E-05
3237	5.71E-05	3.18E-05	8.89E-05
3238	5.18E-05	3.03E-05	8.21E-05
3239	4.90E-05	2.99E-05	7.89E-05
3240	4.69E-05	2.97E-05	7.66E-05
3241	4.55E-05	2.96E-05	7.51E-05
3242	4.44E-05	2.97E-05	7.41E-05
3243	4.36E-05	2.98E-05	7.34E-05
3244	4.24E-05	2.98E-05	7.22E-05
3245	4.17E-05	3.00E-05	7.17E-05
3246	4.13E-05	3.02E-05	7.15E-05
3247	4.06E-05	3.02E-05	7.08E-05
3248	4.06E-05	3.04E-05	7.10E-05

3249	4.10E-05	3.10E-05	7.20E-05
3250	4.19E-05	3.19E-05	7.38E-05
3251	4.15E-05	3.19E-05	7.34E-05
3252	4.14E-05	3.20E-05	7.34E-05
3253	4.00E-05	3.11E-05	7.11E-05
3254	1.02E-04	3.40E-05	1.36E-04
3255	1.12E-04	3.59E-05	1.48E-04
3256	1.20E-04	3.78E-05	1.58E-04
3257	1.26E-04	3.99E-05	1.66E-04
3258	1.30E-04	4.21E-05	1.72E-04
3259	4.59E-05	3.51E-05	8.10E-05
3260	4.57E-05	3.53E-05	8.10E-05
3261	4.56E-05	3.54E-05	8.10E-05
3262	4.47E-05	3.49E-05	7.96E-05
3263	4.28E-05	3.37E-05	7.65E-05
3264	8.35E-05	3.53E-05	1.19E-04
3265	9.06E-05	3.73E-05	1.28E-04
3266	9.71E-05	3.95E-05	1.37E-04
3267	1.03E-04	4.18E-05	1.45E-04
3268	1.08E-04	4.43E-05	1.52E-04
3269	5.02E-05	3.90E-05	8.92E-05
3270	5.03E-05	3.93E-05	8.96E-05
3271	4.99E-05	3.91E-05	8.90E-05
3272	4.83E-05	3.81E-05	8.64E-05
3273	4.55E-05	3.61E-05	8.16E-05
3274	7.48E-05	3.66E-05	1.11E-04
3275	8.05E-05	3.88E-05	1.19E-04
3276	8.59E-05	4.11E-05	1.27E-04
3277	9.11E-05	4.37E-05	1.35E-04
3278	9.57E-05	4.64E-05	1.42E-04
3279	5.49E-05	4.33E-05	9.82E-05
3280	5.40E-05	4.28E-05	9.68E-05
3281	5.35E-05	4.24E-05	9.59E-05
3282	5.22E-05	4.16E-05	9.38E-05
3283	4.88E-05	3.90E-05	8.78E-05
3284	6.99E-05	3.79E-05	1.08E-04
3285	7.50E-05	4.03E-05	1.15E-04
3286	8.00E-05	4.29E-05	1.23E-04
3287	8.50E-05	4.57E-05	1.31E-04
3288	8.96E-05	4.87E-05	1.38E-04
3289	6.01E-05	4.81E-05	1.08E-04
3290	5.75E-05	4.62E-05	1.04E-04
3291	5.68E-05	4.56E-05	1.02E-04
3292	5.61E-05	4.49E-05	1.01E-04
3293	5.25E-05	4.22E-05	9.47E-05
3294	6.71E-05	3.92E-05	1.06E-04
3295	7.17E-05	4.18E-05	1.14E-04
3296	7.64E-05	4.46E-05	1.21E-04
3297	8.13E-05	4.76E-05	1.29E-04
3298	8.63E-05	5.10E-05	1.37E-04

3299	6.60E-05	5.35E-05	1.20E-04
3300	6.14E-05	5.00E-05	1.11E-04
3301	5.93E-05	4.82E-05	1.08E-04
3302	5.90E-05	4.77E-05	1.07E-04
3303	5.60E-05	4.54E-05	1.01E-04
3304	6.54E-05	4.05E-05	1.06E-04
3305	6.99E-05	4.32E-05	1.13E-04
3306	7.46E-05	4.63E-05	1.21E-04
3307	7.95E-05	4.96E-05	1.29E-04
3308	8.45E-05	5.33E-05	1.38E-04
3309	7.11E-05	5.83E-05	1.29E-04
3310	6.53E-05	5.38E-05	1.19E-04
3311	6.27E-05	5.16E-05	1.14E-04
3312	6.02E-05	4.94E-05	1.10E-04
3313	5.78E-05	4.69E-05	1.05E-04
3314	6.45E-05	4.17E-05	1.06E-04
3315	6.89E-05	4.47E-05	1.14E-04
3316	7.36E-05	4.79E-05	1.22E-04
3317	7.85E-05	5.16E-05	1.30E-04
3318	8.44E-05	5.57E-05	1.40E-04
3319	7.48E-05	6.23E-05	1.37E-04
3320	6.73E-05	5.63E-05	1.24E-04
3321	6.39E-05	5.30E-05	1.17E-04
3322	6.16E-05	5.04E-05	1.12E-04
3323	5.88E-05	4.75E-05	1.06E-04
3324	6.40E-05	4.29E-05	1.07E-04
3325	6.84E-05	4.61E-05	1.15E-04
3326	7.32E-05	4.96E-05	1.23E-04
3327	7.84E-05	5.35E-05	1.32E-04
3328	8.43E-05	5.79E-05	1.42E-04
3329	7.57E-05	6.38E-05	1.40E-04
3330	6.73E-05	5.64E-05	1.24E-04
3331	6.37E-05	5.27E-05	1.16E-04
3332	6.14E-05	5.03E-05	1.12E-04
3333	6.02E-05	4.88E-05	1.09E-04
3334	6.39E-05	4.41E-05	1.08E-04
3335	6.83E-05	4.74E-05	1.16E-04
3336	7.31E-05	5.11E-05	1.24E-04
3337	7.85E-05	5.53E-05	1.34E-04
3338	8.43E-05	6.01E-05	1.44E-04
3339	7.73E-05	6.48E-05	1.42E-04
3340	6.98E-05	5.84E-05	1.28E-04
3341	6.45E-05	5.39E-05	1.18E-04
3342	6.23E-05	5.17E-05	1.14E-04
3343	6.14E-05	5.04E-05	1.12E-04
3344	6.39E-05	4.51E-05	1.09E-04
3345	6.85E-05	4.87E-05	1.17E-04
3346	7.32E-05	5.25E-05	1.26E-04
3347	7.89E-05	5.71E-05	1.36E-04
3348	8.50E-05	6.21E-05	1.47E-04

3349	7.83E-05	6.65E-05	1.45E-04
3350	7.23E-05	6.13E-05	1.34E-04
3351	6.66E-05	5.61E-05	1.23E-04
3352	6.19E-05	5.18E-05	1.14E-04
3353	6.08E-05	4.99E-05	1.11E-04
3354	6.40E-05	4.61E-05	1.10E-04
3355	6.86E-05	4.98E-05	1.18E-04
3356	7.37E-05	5.39E-05	1.28E-04
3357	7.94E-05	5.86E-05	1.38E-04
3358	8.59E-05	6.41E-05	1.50E-04
3359	7.79E-05	6.67E-05	1.45E-04
3360	7.18E-05	6.06E-05	1.32E-04
3361	6.59E-05	5.47E-05	1.21E-04
3362	6.11E-05	4.99E-05	1.11E-04
3363	5.85E-05	4.70E-05	1.06E-04
3364	6.41E-05	4.69E-05	1.11E-04
3365	6.88E-05	5.08E-05	1.20E-04
3366	7.41E-05	5.51E-05	1.29E-04
3367	7.99E-05	6.00E-05	1.40E-04
3368	8.65E-05	6.57E-05	1.52E-04
3369	7.51E-05	6.25E-05	1.38E-04
3370	6.94E-05	5.67E-05	1.26E-04
3371	6.66E-05	5.35E-05	1.20E-04
3372	6.25E-05	4.97E-05	1.12E-04
3373	5.62E-05	4.44E-05	1.01E-04
3374	6.40E-05	4.75E-05	1.12E-04
3375	6.90E-05	5.15E-05	1.21E-04
3376	7.44E-05	5.61E-05	1.31E-04
3377	8.01E-05	6.10E-05	1.41E-04
3378	8.71E-05	6.70E-05	1.54E-04
3379	7.82E-05	6.33E-05	1.42E-04
3380	7.33E-05	5.89E-05	1.32E-04
3381	6.88E-05	5.51E-05	1.24E-04
3382	6.00E-05	4.78E-05	1.08E-04
3383	5.30E-05	4.22E-05	9.52E-05
3384	6.41E-05	4.80E-05	1.12E-04
3385	6.88E-05	5.20E-05	1.21E-04
3386	7.42E-05	5.66E-05	1.31E-04
3387	8.03E-05	6.18E-05	1.42E-04
3388	8.73E-05	6.79E-05	1.55E-04
3389	8.42E-05	6.83E-05	1.53E-04
3390	7.85E-05	6.34E-05	1.42E-04
3391	6.45E-05	5.17E-05	1.16E-04
3392	5.79E-05	4.61E-05	1.04E-04
3393	5.14E-05	4.08E-05	9.22E-05
3394	6.42E-05	4.85E-05	1.13E-04
3395	6.92E-05	5.26E-05	1.22E-04
3396	7.45E-05	5.72E-05	1.32E-04
3397	8.07E-05	6.26E-05	1.43E-04
3398	8.80E-05	6.89E-05	1.57E-04

3399	8.77E-05	7.07E-05	1.58E-04
3400	7.91E-05	6.33E-05	1.42E-04
3401	6.20E-05	4.92E-05	1.11E-04
3402	5.41E-05	4.28E-05	9.69E-05
3403	4.95E-05	3.90E-05	8.85E-05
3404	6.43E-05	4.88E-05	1.13E-04
3405	6.93E-05	5.30E-05	1.22E-04
3406	7.49E-05	5.77E-05	1.33E-04
3407	8.13E-05	6.32E-05	1.45E-04
3408	8.85E-05	6.95E-05	1.58E-04
3409	8.61E-05	6.98E-05	1.56E-04
3410	8.94E-05	7.31E-05	1.63E-04
3411	7.20E-05	5.77E-05	1.30E-04
3412	5.91E-05	4.71E-05	1.06E-04
3413	4.99E-05	3.98E-05	8.97E-05
3414	6.41E-05	4.89E-05	1.13E-04
3415	6.89E-05	5.30E-05	1.22E-04
3416	7.45E-05	5.77E-05	1.32E-04
3417	8.09E-05	6.32E-05	1.44E-04
3418	8.83E-05	6.96E-05	1.58E-04
3419	8.41E-05	6.87E-05	1.53E-04
3420	9.32E-05	7.71E-05	1.70E-04
3421	8.24E-05	6.74E-05	1.50E-04
3422	6.33E-05	5.08E-05	1.14E-04
3423	5.24E-05	4.21E-05	9.45E-05
3424	6.37E-05	4.88E-05	1.13E-04
3425	6.87E-05	5.29E-05	1.22E-04
3426	7.41E-05	5.76E-05	1.32E-04
3427	8.04E-05	6.31E-05	1.44E-04
3428	8.72E-05	6.92E-05	1.56E-04
3429	8.54E-05	7.01E-05	1.56E-04
3430	9.38E-05	7.77E-05	1.72E-04
3431	9.18E-05	7.62E-05	1.68E-04
3432	7.68E-05	6.25E-05	1.39E-04
3433	6.04E-05	4.83E-05	1.09E-04
3434	6.31E-05	4.85E-05	1.12E-04
3435	6.79E-05	5.25E-05	1.20E-04
3436	7.31E-05	5.71E-05	1.30E-04
3437	7.94E-05	6.24E-05	1.42E-04
3438	8.62E-05	6.85E-05	1.55E-04
3439	8.61E-05	7.09E-05	1.57E-04
3440	1.01E-04	8.43E-05	1.85E-04
3441	9.30E-05	7.71E-05	1.70E-04
3442	8.35E-05	6.87E-05	1.52E-04
3443	7.24E-05	5.89E-05	1.31E-04
3444	6.21E-05	4.79E-05	1.10E-04
3445	6.68E-05	5.19E-05	1.19E-04
3446	7.20E-05	5.63E-05	1.28E-04
3447	7.77E-05	6.14E-05	1.39E-04
3448	8.43E-05	6.72E-05	1.52E-04

3449	9.22E-05	7.55E-05	1.68E-04
3450	9.97E-05	8.21E-05	1.82E-04
3451	9.19E-05	7.53E-05	1.67E-04
3452	8.50E-05	6.94E-05	1.54E-04
3453	7.83E-05	6.37E-05	1.42E-04
3454	6.10E-05	4.72E-05	1.08E-04
3455	6.54E-05	5.10E-05	1.16E-04
3456	7.01E-05	5.51E-05	1.25E-04
3457	7.55E-05	5.99E-05	1.35E-04
3458	8.17E-05	6.54E-05	1.47E-04
3459	9.63E-05	7.77E-05	1.74E-04
3460	9.70E-05	7.77E-05	1.75E-04
3461	8.98E-05	7.16E-05	1.61E-04
3462	8.34E-05	6.64E-05	1.50E-04
3463	7.76E-05	6.17E-05	1.39E-04
3464	6.31E-05	4.98E-05	1.13E-04
3465	6.50E-05	5.02E-05	1.15E-04
3466	7.79E-05	6.36E-05	1.42E-04
3467	8.24E-05	6.74E-05	1.50E-04
3468	7.87E-05	6.34E-05	1.42E-04
3469	9.82E-05	7.68E-05	1.75E-04
3470	9.49E-05	7.31E-05	1.68E-04
3471	8.81E-05	6.75E-05	1.56E-04
3472	8.17E-05	6.28E-05	1.45E-04
3473	7.61E-05	5.84E-05	1.35E-04
3474	6.60E-05	5.33E-05	1.19E-04
3475	6.92E-05	5.60E-05	1.25E-04
3476	7.55E-05	6.19E-05	1.37E-04
3477	7.91E-05	6.50E-05	1.44E-04
3478	7.97E-05	6.36E-05	1.43E-04
3479	1.05E-04	7.49E-05	1.80E-04
3480	9.71E-05	6.90E-05	1.66E-04
3481	8.97E-05	6.38E-05	1.54E-04
3482	8.29E-05	5.93E-05	1.42E-04
3483	7.66E-05	5.54E-05	1.32E-04
3484	6.42E-05	5.23E-05	1.17E-04
3485	6.74E-05	5.50E-05	1.22E-04
3486	7.08E-05	5.81E-05	1.29E-04
3487	7.44E-05	6.13E-05	1.36E-04
3488	7.75E-05	6.36E-05	1.41E-04
3489	9.77E-05	5.62E-05	1.54E-04
3490	8.57E-05	5.26E-05	1.38E-04
3491	5.93E-05	4.80E-05	1.07E-04
3492	6.24E-05	5.07E-05	1.13E-04
3493	6.54E-05	5.33E-05	1.19E-04
3494	6.86E-05	5.62E-05	1.25E-04
3495	7.25E-05	5.96E-05	1.32E-04
3496	9.57E-05	5.39E-05	1.50E-04
3497	5.42E-05	4.35E-05	9.77E-05
3498	5.68E-05	4.58E-05	1.03E-04

3499	6.05E-05	4.92E-05	1.10E-04
3500	6.43E-05	5.26E-05	1.17E-04
3501	6.76E-05	5.56E-05	1.23E-04
3502	7.40E-05	5.19E-05	1.26E-04
3503	7.06E-05	4.87E-05	1.19E-04
3504	4.99E-05	3.98E-05	8.97E-05
3505	5.26E-05	4.22E-05	9.48E-05
3506	5.63E-05	4.56E-05	1.02E-04
3507	5.93E-05	4.84E-05	1.08E-04
3508	6.21E-05	5.08E-05	1.13E-04
3509	7.82E-05	6.06E-05	1.39E-04
3510	7.43E-05	5.69E-05	1.31E-04
3511	7.03E-05	5.32E-05	1.24E-04
3512	6.64E-05	4.98E-05	1.16E-04
3513	6.29E-05	4.67E-05	1.10E-04
3514	4.59E-05	3.63E-05	8.22E-05
3515	4.90E-05	3.91E-05	8.81E-05
3516	5.21E-05	4.19E-05	9.40E-05
3517	5.48E-05	4.43E-05	9.91E-05
3518	5.73E-05	4.65E-05	1.04E-04
3519	7.32E-05	5.77E-05	1.31E-04
3520	6.89E-05	5.37E-05	1.23E-04
3521	6.55E-05	5.07E-05	1.16E-04
3522	6.20E-05	4.76E-05	1.10E-04
3523	5.86E-05	4.48E-05	1.03E-04
3524	4.23E-05	3.32E-05	7.55E-05
3525	4.56E-05	3.62E-05	8.18E-05
3526	4.87E-05	3.90E-05	8.77E-05
3527	5.12E-05	4.12E-05	9.24E-05
3528	5.39E-05	4.36E-05	9.75E-05
3529	6.94E-05	5.54E-05	1.25E-04
3530	6.53E-05	5.17E-05	1.17E-04
3531	6.15E-05	4.83E-05	1.10E-04
3532	5.79E-05	4.52E-05	1.03E-04
3533	5.48E-05	4.26E-05	9.74E-05
3534	3.90E-05	3.04E-05	6.94E-05
3535	4.24E-05	3.34E-05	7.58E-05
3536	4.56E-05	3.63E-05	8.19E-05
3537	4.79E-05	3.83E-05	8.62E-05
3538	5.06E-05	4.07E-05	9.13E-05
3539	6.67E-05	5.39E-05	1.21E-04
3540	6.21E-05	4.96E-05	1.12E-04
3541	5.86E-05	4.65E-05	1.05E-04
3542	5.53E-05	4.36E-05	9.89E-05
3543	5.23E-05	4.11E-05	9.34E-05
3544	3.67E-05	2.85E-05	6.52E-05
3545	4.00E-05	3.14E-05	7.14E-05
3546	4.28E-05	3.39E-05	7.67E-05
3547	4.48E-05	3.56E-05	8.04E-05
3548	4.74E-05	3.79E-05	8.53E-05

3549	6.33E-05	5.12E-05	1.15E-04
3550	5.94E-05	4.77E-05	1.07E-04
3551	5.60E-05	4.47E-05	1.01E-04
3552	5.30E-05	4.21E-05	9.51E-05
3553	5.01E-05	3.96E-05	8.97E-05
3554	3.53E-05	2.74E-05	6.27E-05
3555	3.76E-05	2.94E-05	6.70E-05
3556	4.01E-05	3.16E-05	7.17E-05
3557	4.21E-05	3.33E-05	7.54E-05
3558	4.46E-05	3.55E-05	8.01E-05
3559	4.77E-05	3.83E-05	8.60E-05
3560	5.16E-05	4.18E-05	9.34E-05
3561	5.50E-05	4.50E-05	1.00E-04
3562	5.80E-05	4.77E-05	1.06E-04
3563	6.13E-05	5.05E-05	1.12E-04
3564	6.48E-05	5.37E-05	1.19E-04
3565	6.81E-05	5.66E-05	1.25E-04
3566	7.06E-05	5.88E-05	1.29E-04
3567	7.28E-05	6.07E-05	1.34E-04
3568	7.33E-05	6.09E-05	1.34E-04
3569	7.77E-05	6.50E-05	1.43E-04
3570	8.30E-05	6.99E-05	1.53E-04
3571	8.75E-05	7.38E-05	1.61E-04
3572	9.15E-05	7.76E-05	1.69E-04
3573	9.41E-05	8.00E-05	1.74E-04
3574	9.55E-05	8.13E-05	1.77E-04
3575	9.61E-05	8.22E-05	1.78E-04
3576	9.73E-05	8.31E-05	1.80E-04
3577	9.89E-05	8.44E-05	1.83E-04
3578	9.98E-05	8.53E-05	1.85E-04
3579	1.00E-04	8.56E-05	1.86E-04
3580	1.00E-04	8.55E-05	1.86E-04
3581	9.73E-05	8.28E-05	1.80E-04
3582	9.29E-05	7.88E-05	1.72E-04
3583	9.00E-05	7.62E-05	1.66E-04
3584	8.63E-05	7.29E-05	1.59E-04
3585	7.99E-05	6.67E-05	1.47E-04
3586	7.40E-05	6.10E-05	1.35E-04
3587	7.04E-05	5.77E-05	1.28E-04
3588	6.68E-05	5.44E-05	1.21E-04
3589	6.34E-05	5.14E-05	1.15E-04
3590	6.03E-05	4.88E-05	1.09E-04
3591	5.66E-05	4.55E-05	1.02E-04
3592	5.39E-05	4.32E-05	9.71E-05
3593	5.10E-05	4.07E-05	9.17E-05
3594	4.82E-05	3.83E-05	8.65E-05
3595	3.30E-05	2.55E-05	5.85E-05
3596	3.53E-05	2.74E-05	6.27E-05
3597	3.79E-05	2.97E-05	6.76E-05
3598	3.99E-05	3.14E-05	7.13E-05

3599	4.23E-05	3.36E-05	7.59E-05
3600	4.55E-05	3.64E-05	8.19E-05
3601	4.91E-05	3.97E-05	8.88E-05
3602	5.23E-05	4.27E-05	9.50E-05
3603	5.51E-05	4.51E-05	1.00E-04
3604	5.80E-05	4.77E-05	1.06E-04
3605	6.07E-05	5.01E-05	1.11E-04
3606	6.33E-05	5.24E-05	1.16E-04
3607	6.56E-05	5.43E-05	1.20E-04
3608	6.70E-05	5.54E-05	1.22E-04
3609	6.49E-05	5.33E-05	1.18E-04
3610	7.07E-05	5.87E-05	1.29E-04
3611	7.62E-05	6.38E-05	1.40E-04
3612	8.02E-05	6.73E-05	1.48E-04
3613	8.32E-05	7.01E-05	1.53E-04
3614	8.57E-05	7.25E-05	1.58E-04
3615	8.68E-05	7.35E-05	1.60E-04
3616	8.70E-05	7.39E-05	1.61E-04
3617	8.76E-05	7.42E-05	1.62E-04
3618	8.82E-05	7.46E-05	1.63E-04
3619	8.77E-05	7.42E-05	1.62E-04
3620	8.84E-05	7.46E-05	1.63E-04
3621	8.46E-05	7.07E-05	1.55E-04
3622	7.83E-05	6.48E-05	1.43E-04
3623	6.83E-05	5.60E-05	1.24E-04
3624	7.26E-05	5.98E-05	1.32E-04
3625	8.04E-05	6.77E-05	1.48E-04
3626	7.71E-05	6.47E-05	1.42E-04
3627	7.35E-05	6.13E-05	1.35E-04
3628	6.84E-05	5.64E-05	1.25E-04
3629	6.34E-05	5.16E-05	1.15E-04
3630	6.05E-05	4.91E-05	1.10E-04
3631	5.79E-05	4.70E-05	1.05E-04
3632	5.51E-05	4.46E-05	9.97E-05
3633	5.19E-05	4.17E-05	9.36E-05
3634	4.92E-05	3.94E-05	8.86E-05
3635	4.67E-05	3.72E-05	8.39E-05
3636	3.16E-05	2.43E-05	5.59E-05
3637	3.36E-05	2.60E-05	5.96E-05
3638	3.60E-05	2.81E-05	6.41E-05
3639	3.84E-05	3.02E-05	6.86E-05
3640	4.12E-05	3.27E-05	7.39E-05
3641	4.41E-05	3.54E-05	7.95E-05
3642	4.70E-05	3.80E-05	8.50E-05
3643	4.97E-05	4.05E-05	9.02E-05
3644	5.24E-05	4.28E-05	9.52E-05
3645	5.46E-05	4.47E-05	9.93E-05
3646	5.68E-05	4.67E-05	1.04E-04
3647	5.88E-05	4.85E-05	1.07E-04
3648	6.06E-05	4.99E-05	1.11E-04

3649	6.25E-05	5.16E-05	1.14E-04
3650	6.27E-05	5.16E-05	1.14E-04
3651	6.37E-05	5.24E-05	1.16E-04
3652	6.77E-05	5.59E-05	1.24E-04
3653	7.22E-05	6.00E-05	1.32E-04
3654	7.53E-05	6.30E-05	1.38E-04
3655	7.75E-05	6.50E-05	1.43E-04
3656	7.85E-05	6.60E-05	1.45E-04
3657	7.86E-05	6.63E-05	1.45E-04
3658	7.88E-05	6.62E-05	1.45E-04
3659	7.82E-05	6.54E-05	1.44E-04
3660	7.58E-05	6.31E-05	1.39E-04
3661	6.98E-05	5.74E-05	1.27E-04
3662	5.78E-05	4.74E-05	1.05E-04
3663	5.55E-05	4.57E-05	1.01E-04
3664	5.29E-05	4.38E-05	9.67E-05
3665	5.73E-05	4.68E-05	1.04E-04
3666	6.44E-05	5.25E-05	1.17E-04
3667	5.87E-05	4.75E-05	1.06E-04
3668	6.72E-05	5.55E-05	1.23E-04
3669	6.51E-05	5.37E-05	1.19E-04
3670	6.03E-05	4.91E-05	1.09E-04
3671	5.77E-05	4.68E-05	1.05E-04
3672	5.56E-05	4.51E-05	1.01E-04
3673	5.32E-05	4.31E-05	9.63E-05
3674	5.02E-05	4.05E-05	9.07E-05
3675	4.77E-05	3.83E-05	8.60E-05
3676	4.54E-05	3.63E-05	8.17E-05
3677	3.02E-05	2.32E-05	5.34E-05
3678	3.22E-05	2.49E-05	5.71E-05
3679	3.47E-05	2.71E-05	6.18E-05
3680	3.69E-05	2.91E-05	6.60E-05
3681	3.95E-05	3.14E-05	7.09E-05
3682	4.20E-05	3.36E-05	7.56E-05
3683	4.44E-05	3.58E-05	8.02E-05
3684	4.73E-05	3.83E-05	8.56E-05
3685	4.97E-05	4.04E-05	9.01E-05
3686	5.18E-05	4.24E-05	9.42E-05
3687	5.32E-05	4.35E-05	9.67E-05
3688	5.44E-05	4.45E-05	9.89E-05
3689	5.55E-05	4.53E-05	1.01E-04
3690	5.65E-05	4.62E-05	1.03E-04
3691	5.66E-05	4.61E-05	1.03E-04
3692	5.67E-05	4.61E-05	1.03E-04
3693	5.98E-05	4.87E-05	1.09E-04
3694	6.53E-05	5.38E-05	1.19E-04
3695	6.78E-05	5.62E-05	1.24E-04
3696	6.96E-05	5.78E-05	1.27E-04
3697	7.09E-05	5.91E-05	1.30E-04
3698	7.13E-05	5.96E-05	1.31E-04

3699	6.96E-05	5.77E-05	1.27E-04
3700	6.85E-05	5.65E-05	1.25E-04
3701	6.45E-05	5.29E-05	1.17E-04
3702	5.70E-05	4.64E-05	1.03E-04
3703	5.10E-05	4.17E-05	9.27E-05
3704	4.87E-05	4.01E-05	8.88E-05
3705	4.79E-05	3.96E-05	8.75E-05
3706	4.99E-05	4.09E-05	9.08E-05
3707	5.32E-05	4.32E-05	9.64E-05
3708	4.89E-05	3.96E-05	8.85E-05
3709	4.87E-05	3.92E-05	8.79E-05
3710	6.02E-05	4.93E-05	1.10E-04
3711	5.87E-05	4.81E-05	1.07E-04
3712	5.59E-05	4.56E-05	1.02E-04
3713	5.35E-05	4.35E-05	9.70E-05
3714	5.10E-05	4.13E-05	9.23E-05
3715	4.87E-05	3.93E-05	8.80E-05
3716	4.63E-05	3.73E-05	8.36E-05
3717	4.41E-05	3.54E-05	7.95E-05
3718	2.83E-05	2.16E-05	4.99E-05
3719	3.04E-05	2.34E-05	5.38E-05
3720	3.34E-05	2.60E-05	5.94E-05
3721	3.52E-05	2.76E-05	6.28E-05
3722	3.73E-05	2.95E-05	6.68E-05
3723	3.99E-05	3.18E-05	7.17E-05
3724	4.26E-05	3.42E-05	7.68E-05
3725	4.51E-05	3.65E-05	8.16E-05
3726	4.70E-05	3.82E-05	8.52E-05
3727	4.87E-05	3.97E-05	8.84E-05
3728	4.99E-05	4.06E-05	9.05E-05
3729	5.00E-05	4.06E-05	9.06E-05
3730	5.09E-05	4.12E-05	9.21E-05
3731	5.11E-05	4.13E-05	9.24E-05
3732	5.06E-05	4.08E-05	9.14E-05
3733	5.07E-05	4.08E-05	9.15E-05
3734	5.41E-05	4.38E-05	9.79E-05
3735	5.80E-05	4.72E-05	1.05E-04
3736	6.07E-05	4.98E-05	1.11E-04
3737	6.24E-05	5.13E-05	1.14E-04
3738	6.40E-05	5.29E-05	1.17E-04
3739	6.29E-05	5.20E-05	1.15E-04
3740	6.13E-05	5.03E-05	1.12E-04
3741	5.18E-05	4.19E-05	9.37E-05
3742	5.29E-05	4.30E-05	9.59E-05
3743	5.25E-05	4.26E-05	9.51E-05
3744	4.62E-05	3.77E-05	8.39E-05
3745	4.45E-05	3.66E-05	8.11E-05
3746	4.37E-05	3.61E-05	7.98E-05
3747	4.35E-05	3.58E-05	7.93E-05
3748	4.34E-05	3.56E-05	7.90E-05

3749	4.29E-05	3.50E-05	7.79E-05
3750	4.54E-05	3.65E-05	8.19E-05
3751	5.52E-05	4.48E-05	1.00E-04
3752	5.63E-05	4.62E-05	1.03E-04
3753	5.37E-05	4.38E-05	9.75E-05
3754	5.13E-05	4.17E-05	9.30E-05
3755	4.89E-05	3.95E-05	8.84E-05
3756	4.68E-05	3.78E-05	8.46E-05
3757	4.48E-05	3.61E-05	8.09E-05
3758	4.28E-05	3.44E-05	7.72E-05
			2.66E-03

	Horizon Year plus Project Intersection Volumes		
Intersection	**AM**	**PM**	
North Woodside Avenue/S Woodisde Ave/SR-67 Southbound Off-ramp intersection	360	285	NBL
	10	7	NBT
	0	0	NBR
	0	0	SBL
	16	35	SBT
	214	593	SBR
	448	198	EBL
	0	0	EBT
	478	963	EBR
	11	10	WBL
	591	557	WBT
	40	14	WBR
Hourly Total	**2,168**	**2,662**	
Daily Total (Estimated from Hourly Total)	**27,100**	**26,620**	
Is the Daily Total>100,000	**No**	**No**	

Source: Transportation Impact Study Palisade Santee Commerce Center Project, Ocotber 2024, Prepared by Dudek

Appendix C

CAP Consistency Checklist

APPENDIX D

SUSTAINABLE SANTEE ACTION PLAN

CONSISTENCY CHECKLIST

Sustainable Santee Action Plan Consistency and Implementation Tracking Checklist

The Sustainable Santee Action Plan Project Consistency Checklist (Checklist) is intended to be a tool for development projects to demonstrate consistency with Santee's (City's) Sustainable Santee Action Plan, which is a qualified greenhouse gas (GHG) emissions reduction plan in accordance with California Environmental Quality Act (CEQA) Guidelines Section 15183.5. This Checklist has been developed as part of the Sustainable Santee Action Plan implementation and monitoring process and will support the achievement of individual GHG reduction measures as well as the City's overall GHG reduction goals. In addition, this Checklist will further the City's sustainability goals and policies that encourage sustainable development and aim to conserve and reduce the consumption of resources, such as energy and water, among others.

CEQA Guidelines Section 15183.5 allows lead agencies to analyze the impacts associated with GHG emissions at a programmatic level in plan-level documents such as Climate Action Plans or sustainability plans, so that project-level environmental documents may tier from the programmatic review. Projects that meet the requirements of this Checklist will be deemed to be consistent with the Sustainable Santee Action Plan and will be found to have a less than significant contribution to cumulative GHG (i.e., the project's incremental contribution to cumulative GHG effects is not cumulatively considerable), pursuant to CEQA Guidelines Sections 15064(h)(3), 15130(d), and 15183(b). Projects that do not meet the requirements in this Checklist will be deemed to be inconsistent with the Sustainable Santee Action Plan and must prepare a project-specific analysis of GHG emissions, including quantification of existing and projected GHG emissions and incorporation of the measures in this Checklist to the extent feasible. This GHG Checklist can be updated to reflect adoption of new GHG reduction strategies or to comply with any changes and updates in the Plan or local, State or federal regulations.

1. Project Information	
Contact Information	
Project No./Name:	Palisade Santee Commerce Center Project
Address:	10990 N. Woodside Avenue
Applicant Name:	North Palisades Partners
Contact Information:	William Jacobs, Senior Development Manager
Project Description Characteristics	
1. What is the size of the Project (acres)?	13.49
2. Identify all Applicable Proposed Land uses:	Warehousing and Distribution
a. Residential-Single Family (Indicate number of single-family units)	N/A
b. Residential-Multifamily (Indicate number of multifamily units)	N/A
c. Commercial (total square footage)	300,145
d. Industrial (total square footage)	
e. Other (describe)	
3. Provide a brief description of the project proposed:	The Project would include 291,290SF of warehouse and 10,000SF of associated office space.

2. Determining Land Use Consistency		
Checklist Item		
As the first step in determining the consistency with the Sustainable Santee Action Plan for the discretionary development projects, this section allows the City to determine the project's consistency with the land use assumptions used in the Plan.		
	Yes	**No**
1. Is the proposed project consistent with the existing General Plan and land use zoning designations? OR	X	
2. If the proposed project is not consistent with the existing land use plan and zoning designations, does the project include a land use plan and/or zoning designation amendment that is identified in the Sustainable Santee Action Plan Land Use Buffer (see Appendix A, Table 11)?		
3. If the proposed project is not consistent with the existing land use plan, zoning designations, or Land Use Buffer, does the project include a land use plan and/or zoning designation ammendment that will result in an equivalent or less GHG-intensive project when compared to the existing designations?		

Notes:

For questions 1, if the answer is **Yes**, proceed to the Sustainable Santee Action Plan Consistency Checklist. If the answer is **No**, procced to question 2.

For question 2, if the answer is **Yes**, proceed to the Sustainable Santee Action Plan Consistency Checklist. If the answer is **No**, proceed to question 3.

For question 3, if the answer is **Yes** provide estimated project emissions under both existing and proposed designation (s) for comparison. Compare the maximum buildout of the existing designation and the maximum buildout of the proposed designation. If the answer of question 3 is **No** then, in accordance with the City's Significance Determination Thresholds, the project's GHG impact may be significant. The project must nonetheless incorporate each of the applicable measures identified in the Checklist to mitigate cumulative GHG emissions impacts unless the decision maker finds that a measure is infeasible in accordance with CEQA Guidelines Section 15091.

Sustainable Santee Action Plan CEQA Project Consistency Checklist					Notes
Greenhouse Gas Reduction Measure	Measure Applicability				This checklist is to be filled out by the applicant
	Yes	No	N/A	Description	
Emissions Measures Category: Energy Efficiency					Measure 1.1 is not on checklist because it focuses on minor residental alterations not subject to CEQA
Land Use Sector-Residential					
Goal 1. Increase Energy Efficiency in Existing Residential Units					
Measure 1.2. For existing Residential Unit Permit for Major Modifications (more than 30% of dwelling unit size, including bathroom and kitchen) that is considered a Project under CEQA must implement energy efficiency retrofits recommended from City Energy Audit and explain the energy efficiency retrofits implemented.			X	The project does not include residential units.	Measure 1.2 only applies if alteration is subject to CEQA
Goal 2. Increase Energy Efficiency in the New Residential Units					
Measure 2.1. New residential construction meet or exceed California Green Building Standards Tier 2 Voluntary Measures, such as obtaining green building ratings including LEED, Build it Green, or Energy Star Certified building certifications in scoring development and explain the measures implemented.			X	The project does not include residential units.	
Land Use Sector-Commercial					Measure 3.1 is not on checklist because it focuses on minor alterations which are not subject to CEQA
Goal 3. Increase Energy Efficiency in Existing Commercial Units					
Measure 3.2. For existing commercial units of 10,000 sq. ft. or more seeking building permits for modifications representing 30% or more sq. ft, and considered a Project under CEQA must implement energy efficiency retrofits recommended by the City to meet California Green Building Standards Tier 1 Voluntary Measures and explain the retrofits implemented.			X	The project does not include existing commercial units	Measure 3.2 only applies if alteration is subject to CEQA
Goal 4. Increase Energy Efficiency in New Commercial Units					
Measure 4.1. New commercial units meet or exceed California Green Building Standards Tier 2 Voluntary Measures such as obtain green building ratings including: LEED, Build it Green, or Energy Star Certified buildings certifications in scoring development and explain the measures implemented.	X			The Project will meet or exceed CALGreen Tier 2 Standards in effect at the time of building permit application. Documentation shall be provided to the City demonstrating that the Project meets this requirement prior to the issuance of building permits.	
Emissions Measures Category: Advanced Goals Measures					
Land Use Sector-Commercial					
Goal 5. Decrease Energy Demand through Reducing Urban Heat Island Effect					
Measure 5.1. Project utilizes tree planting for shade and energy efficiency such as tree planting in parking lots and streetscapes.	X			See Figure 3-9 of the Landscape Plan. Landscaping proposed for the passenger parking area and around portions of the building as well as site frontages. Includes trees, shrubs, and cover.	
Measure 5.2. Project uses light-reflecting surfaces such as enhanced cool roofs on commercial buildings.	X			Roof structures shall be designed to include "cool roof" materials with a minimum aged reflectance and thermal emittance values equal to or greater than current CALGreen Table A5.106.11.3, Tier 1.	
Emissions Measures Category: Transportation					
Land Use Sector-Residential and Commercial					
Goal 6. Decrease GHG Emissions through a Reduction in VMT					
Measure 6.1. Proposed project streets include sidewalks, crosswalks, and other infrastructure that promotes non-motorized transportation options.	X			The Project includes street, sidewalk, and landscaping improvments, as shown on Figure 3-7, Conceptual Site Plan.	
Measure 6.2. Proposed project installs bike paths to improve bike transit.			X	The Project is a commercial warehouse	

Sustainable Santee Action Plan CEQA Project Consistency Checklist December 2019

Land Use Sector-Residential and Commercial					
Goal 7: Increase Use of Electric Vehicles					
Measure 7.1. Install electric vehicle chargers in all new residential and commercial developments.	X			The Project includes 16 EVCS (EV Capable Stall with EVSE). See site plan	
a. For new Single-Family Residential, install complete 40 Amp electrical service and one e-charger.			X	The Project does not include residential units	
b. For new Multifamily Residential, install e-chargers for 13 percent of total parking.			X	The Project does not include residential units	
c. For new Office Space, Regional Shopping Centers, and Movie Theaters, install e-chargers for 5 percent of total parking spaces.			X	The Project is a commercial warehouse	
d. For new Industrial and other Land Uses employing 200 or more employees, install e-charges for 5 percent of total parking spaces.	X			The Project includes 301 total parking spaces. 301 x 0.05 = 15 spaces. The Project includes 16 EVCS with EVSE.	
Land Use Sector-Residential and Commercial					
Goal 8. Improve Traffic Flow					
Measure 8.1. Implement traffic flow improvement program.			x	The Project does not include traffic controls	Projects that include traffic controls need to show consistency with one of these
a. Install smart traffic signals at intersections warranting a traffic signal, OR			x		
b. Install roundabout.			x	.	
Emissions Measures Category: Solid Waste					
Land Use Sector-Residential and Commercial					
Goal 9: Decrease GHG Emissions through Reducing Solid Waste Generation					
Measure 9.1. Reduce waste at landfills.	X			The Project will include storage areas for recyclables and green waste as well as food waste	
waste.					
Emissions Measures Category: Clean Energy					
Land Use Sector-Residential and Commercial					
Goal 10. Decrease GHG Emissions through Increased Clean Energy Use					
Measure 10.1. Increase distributed energy generation within City of Santee by implementing the following applicable photovoltaic solar systems:					
a. Single-family residential to install at least 2kW per unit of PV solar systems, unless the installation is infeasible due to poor solar resources established in a solar feasibility study prepared by a qualified solar consultant submitted with an application			X	The Project does not include residential units	
b. Multifamily residential to install at least 1kW per unit of PV solar systems, unless the installation is infeasible due to poor solar resources established in a solar feasibility study prepared by a qualified solar consultant submitted with an applicant's formal project submittal to City.			X	The Project does not include residential units	
c. On commercial buildings, install at least 2 kW per square foot of building area (e.g., 2,000 sq. ft. = 3 kW) unless the installation is infeasible due to poor solar resources.	X			The Project will include 450 kW of solar PV based on 300,145 SF / (2,000SF / 3 kW)	

Appendix C
Biological Technical Report

Biological Technical Report

Santee Commerce Center Project

MAY 2024

Prepared for:

CITY OF SANTEE, DEVELOPMENT SERVICES DEPARTMENT
10601 Magnolia Avenue
Santee, California 92071

Prepared by:

DUDEK

605 Third Street
Encinitas, California 92024
Contact: Brock Ortega

Printed on 30% post-consumer recycled material.

Table of Contents

SECTION **PAGE NO.**

Acronyms and Abbreviations iii

1 Introduction 1
1.1 Project Location and Description 1

2 Regulatory Setting 3
2.1 Federal 3
2.1.1 Federal Endangered Species Act 3
2.1.2 Migratory Bird Treaty Act 3
2.1.3 Clean Water Act 3
2.2 State 5
2.2.1 California Endangered Species Act 5
2.2.2 California Fish and Game Code 5
2.2.3 California Environmental Quality Act 6
2.2.4 Porter–Cologne Water Quality Control Act 7
2.3 Regional Resource Planning Context 8
2.3.1 Multiple Species Conservation Program Plan 8
2.3.2 Draft Santee MSCP Subarea Plan 8

3 Methods 11
3.1 Literature Review 11
3.2 Survey Methods 11

4 Results 13
4.1 Vegetation Mapping and Land Covers 13
4.2 Plant and Wildlife Species 16
4.2.1 Special-Status Plant Species 16
4.2.2 Special-Status Wildlife Species 16
4.3 Jurisdictional Aquatic Resources 17
4.4 Wildlife Corridors and Habitat Linkages 17

5 Project Impacts 19
5.1 Explanation of Findings of Significance 19
5.2 Definition of Impacts 20
5.3 Impact Analysis 20
5.3.1 Impact BIO-1: Special-Status Species 21
5.3.2 Impact BIO-2: Sensitive Vegetation Communities 23
5.3.3 Impact BIO-3: State or Federally Protected Wetlands 24
5.3.4 Impact BIO-4: Wildlife Corridors and Habitat Linkages 25

5.3.5 Impact BIO-5: Local Policies and Ordinances 26
5.3.6 Impact BIO-6: Habitat Conservation Plans 26
6 Mitigation Measures 29
7 References 35

TABLES

1 Survey Conditions 11
2 Vegetation Communities and Land Covers within the Project Site and 500-Foot Buffer 13
3 Impacts to Vegetation Communities and Land Covers within the Project Site 20

FIGURES

1 Project Location 37
2 Biological Resources 39
3 Impacts 41

APPENDICES

A Plant Species Observed on Site
B Wildlife Species Observed on Site
C Special-Status Plant Species Potential to Occur
D Special-Status Wildlife Species Potential to Occur

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CRPR	California Rare Plant Rank
CWA	Clean Water Act
dBA	A-weighted decibel
FESA	federal Endangered Species Act
MHPA	Multi-Habitat Planning Area
MM	Mitigation Measure
MSCP	Multiple Species Conservation Program
Project	Santee Commerce Center
RWQCB	Regional Water Quality Control Board
USACE	U.S. Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service

INTENTIONALLY LEFT BLANK

1 Introduction

This Biological Technical Report describes the existing biological conditions of the site proposed for the Santee Commerce Center (Project) within the City of Santee, California. Included in this report are a discussion of the biological survey methods and results, and the impacts to vegetation communities and potential special-status species evaluated under the California Environmental Quality Act (CEQA), the San Diego Multiple Species Conservation Program (MSCP) Plan (City of San Diego 1998), the Draft Santee MSCP Subarea Plan (City of Santee 2023), and the state and federal Endangered Species Acts. Additionally, measures are recommended to avoid, minimize, or mitigate potential impacts, where feasible, to less-than-significant levels.

1.1 Project Location and Description

The approximately 13.49-acre Project site is in the southeastern part of the City of Santee, which is within the East County region of San Diego County, as shown in Figure 1, Project Location. The Project site is at 10990 N. Woodside Avenue and is bound by the San Diego River to the north, the existing Santee Drive-In driveway to the east and west, and Wheatlands Avenue to the south. The Project site is in Section 23 of Township 15 South, Range 1 West, as depicted on the U.S. Geological Survey El Cajon, California 7.5-minute topographic quadrangle map. The Assessor's Parcel Number of the Project site is 381-070-5200.

Project site is currently a developed parking lot with a two-screen drive-in theater and a building containing restrooms and a snack bar. The Project site boundary extends slightly beyond the pavement into the undeveloped area approximately 20 to 30 feet above the San Diego River corridor. The proposed Project would involve demolition of all existing on-site structures and construction of a 300,145-square-foot industrial/warehousing building. The Project would include 290,145 square feet of warehouse space and 10,000 square feet of office space. In addition to the industrial building, the Project would include up to 42 dock-high doors, 4 grade-level doors, 2 truck courts, and up to 301 passenger-vehicle parking spaces; 30- and 40-foot-wide fire access lanes along the building perimeter; landscaping; and fencing along portions of the developed perimeter with automated gates at certain driveway locations. The Project would also include associated utility, stormwater treatment, and roadway improvements.

INTENTIONALLY LEFT BLANK

2 Regulatory Setting

2.1 Federal

2.1.1 Federal Endangered Species Act

The federal Endangered Species Act (FESA) of 1973 (16 USC 1531 et seq.), as amended, is administered by the U.S. Fish and Wildlife Service (USFWS) for most plant and animal species, and by the National Oceanic and Atmospheric Administration National Marine Fisheries Service for certain marine species. This legislation is intended to provide a means to conserve the ecosystems upon which endangered and threatened species depend, and provide programs for the conservation of those species, thus preventing the extinction of plants and wildlife. FESA defines an endangered species as "any species that is in danger of extinction throughout all or a significant portion of its range." A threatened species is defined as "any species that is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range." Under FESA, it is unlawful to "take" any listed species; "take" is defined as, "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct."

FESA allows for the issuance of incidental take permits for listed species under Section 7, which is generally available for projects that also require other federal agency permits or other approvals, and under Section 10, which provides for the approval of habitat conservation plans on private property without any other federal agency involvement.

2.1.2 Migratory Bird Treaty Act

The Migratory Bird Treaty Act prohibits the intentional and unintentional take of any migratory bird or any part, nest, or eggs of any such bird. Under the Migratory Bird Treaty Act, "take" is defined as pursuing, hunting, shooting, capturing, collecting, or killing, or attempting to do so (16 USC 703 et seq.). Currently, the Migratory Birds office considers nests that support eggs, nestlings, or juveniles to be active. Additionally, Executive Order 13186, Responsibilities of Federal Agencies to Protect Migratory Birds, requires that any project with federal involvement address impacts of federal actions on migratory birds with the purpose of promoting conservation of migratory bird populations (66 FR 3853–3856). Executive Order 13186 requires federal agencies to work with USFWS to develop a memorandum of understanding. USFWS reviews actions that might affect these species.

2.1.3 Clean Water Act

The Clean Water Act (CWA) provides guidance for the restoration and maintenance of the chemical, physical, and biological integrity of the nation's waters. Section 401 requires a project operator for a federal license or permit that allows activities resulting in a discharge to waters of the United States to obtain state certification, thereby ensuring that the discharge will comply with provisions of the CWA. The Regional Water Quality Control Boards (RWQCBs) administer the certification program in California. Section 402 establishes a permitting system for the discharge of any pollutant (except dredged or fill material) into waters of the United States. Section 404 establishes a permit program administered by the U.S. Army Corps of Engineers (USACE) that regulates the discharge of dredged or fill material into waters of the United States, including wetlands. USACE implementing regulations are found in the Code of Federal Regulations (CFR) at 33 CFR Parts 320 to 332. Guidelines for implementation are referred to as the Section 404(b)(1) Guidelines, which were developed by the U.S. Environmental Protection Agency in

conjunction with USACE (40 CFR 230). The guidelines allow the discharge of dredged or fill material into the aquatic system only if there is no practicable alternative that would have less adverse impacts.

Wetlands and Other Waters of the United States

Based on a recent court case ordering vacation of the Navigable Waters Protection Rule, USACE and the U.S. Environmental Protection Agency have halted implementation of the rule and are interpreting waters of the United States consistent with the pre-2015 regulatory regime until further notice. Per 33 CFR 328.3(a), waters of the United States are defined as follows:

1. All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
2. All interstate waters including interstate wetlands;
3. All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters:
    a. Which are or could be used by interstate or foreign travelers for recreational or other purposes; or
    b. From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
    c. Which are used or could be used for industrial purposes by industries in interstate commerce;
4. All impoundments of waters otherwise defined as waters of the United States under this definition;
5. Tributaries of waters identified in paragraphs (a)(1) through (4) of this section;
6. The territorial seas;
7. Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a)(1) through (6) of this section; and
8. Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA [the Clean Water Act] (other than cooling ponds as defined in 40 CFR 423.11(m) which also meet the criteria of this definition) are not waters of the United States.

The USACE/U.S. Environmental Protection Agency Rapanos Guidance states that USACE will regulate traditional navigable waters and adjacent wetlands, and relatively permanent waters tributary to traditional navigable waters and adjacent wetlands. Non-relatively permanent waters (those exhibiting less than 3 months of continuous surface flows) and their adjacent wetlands would be regulated if there is a significant nexus from the site to traditional navigable waters.

The State Water Resources Control Board has authority over wetlands through Section 401 of the CWA, as well as the Porter–Cologne Water Quality Control Act (Porter–Cologne Act), California Code of Regulations Section 3831(k), and California Wetlands Conservation Policy. The CWA requires that an applicant for a Section 404 permit (to discharge dredge or fill material into waters of the United States) first obtain certification from the appropriate state agency stating that the fill is consistent with the state's water quality standards and criteria. In California, the authority to either grant certification or waive the requirement for permits is delegated by the State Water Resources Control Board to the nine RWQCBs. A request for certification is submitted to the RWQCB at the same time that an application is filed with USACE.

2.2 State

2.2.1 California Endangered Species Act

The California Endangered Species Act (CESA) (California Fish and Game Code Sections 2050–2068) provides protection for and prohibits the take of plant, fish, and wildlife species listed by the State of California. Unlike FESA, under CESA, state-listed plants have the same degree of protection as wildlife, but insects and other invertebrates may not be listed. Take is defined similarly to FESA and is prohibited for both listed and candidate species. Take authorization may be obtained by a project applicant from the California Department of Fish and Wildlife (CDFW) under CESA Section 2081, which allows take of a listed species for educational, scientific, or management purposes. In this case, developers consult with CDFW to develop a set of measures and standards for managing the listed species, including full mitigation for impacts, funding of implementation, and monitoring of mitigation measures.

2.2.2 California Fish and Game Code

Fully Protected Species

Sections 3511, 4700, 5050, and 5515 of the California Fish and Game Code outline protection for fully protected species of mammals, birds, reptiles, amphibians, and fish. Species that are fully protected by these sections may not be taken or possessed at any time. CDFW cannot issue permits or licenses that authorize the "take" of any fully protected species, except under certain circumstances, such as scientific research and live capture and relocation of such species pursuant to a permit for the protection of livestock. On July 10, 2023, Senate Bill 147 was signed into law and amends the California Fish and Game Code to allow a 10-year permitting mechanism for a defined set of projects within the renewable energy, transportation, and water infrastructure sectors. Furthermore, it is the responsibility of the CDFW to maintain viable populations of all native species. Toward that end, CDFW has designated certain vertebrate species as Species of Special Concern, because declining population levels, limited ranges, and/or continuing threats have made them vulnerable to extinction.

Sections 1600–1616

CDFW jurisdiction includes ephemeral, intermittent, and perennial watercourses (including dry washes) and lakes characterized by the presence of (1) definable bed and banks and (2) existing fish or wildlife resources. CDFW takes jurisdiction to the top of bank of the stream, or the limit of the adjacent riparian vegetation, which may include oak woodlands in canyon bottoms. Historical court cases have further extended CDFW jurisdiction to include watercourses that seemingly disappear but reemerge elsewhere. Under the CDFW definition, a watercourse need not exhibit evidence of an ordinary high-water mark to be claimed as jurisdictional. CDFW does not have jurisdiction over ocean or shoreline resources.

Under California Fish and Game Code Sections 1600–1616, CDFW has the authority to regulate work that will substantially divert or obstruct the natural flow of, or substantially change or use any material from, the bed, channel, or bank of any river, stream, or lake. CDFW also has the authority to regulate work that will deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake. This regulation takes the form of a requirement for a Lake or Streambed Alteration Agreement and is applicable to all projects. Applications to CDFW must include a complete certified CEQA document.

California Native Plant Protection Act

The Native Plant Protection Act of 1977 (see Section 1900 et seq. of the California Fish and Game Code) directed CDFW to carry out the Legislature's intent to "preserve, protect and enhance rare and endangered plants in this State." The Native Plant Protection Act gave the California Fish and Game Commission the power to designate native plants as "endangered" or "rare" and protect endangered and rare plants from take. CESA expanded on the original Native Plant Protection Act and enhanced legal protection for plants, but the Native Plant Protection Act remains part of the California Fish and Game Code. To align with federal regulations, CESA created the categories of "threatened" and "endangered" species. It converted all "rare" animals into the act as threatened species but did not do so for rare plants. Thus, there are three listing categories for plants in California: rare, threatened, and endangered. Because rare plants are not included in CESA, mitigation measures for impacts to rare plants are specified in a formal agreement between CDFW and the project proponent.

Nesting Birds

Section 3503 of the California Fish and Game Code states that it is unlawful to take, possess, or needlessly destroy the nests or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto. Section 3503.5 protects all birds of prey (raptors) and their eggs and nests. Section 3511 states that fully protected birds or parts thereof may not be taken or possessed at any time. Section 3513 states that it is unlawful to take or possess any migratory non-game bird as designated in the Migratory Bird Treaty Act.

2.2.3 California Environmental Quality Act

CEQA requires identification of a project's potentially significant impacts on biological resources and ways that such impacts can be avoided, minimized, or mitigated. CEQA also provides guidelines and thresholds for use by lead agencies for evaluating the significance of proposed impacts.

The State of California CEQA Guidelines (CEQA Guidelines) Section 15380(b)(1) defines endangered animals or plants as species or subspecies whose "survival and reproduction in the wild are in immediate jeopardy from one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, disease, or other factors." A rare animal or plant is defined in Section 15380(b)(2) as a species that, although not presently threatened with extinction, exists "in such small numbers throughout all or a significant portion of its range that it may become endangered if its environment worsens; or … [t]he species is likely to become endangered within the foreseeable future throughout all or a significant portion of its range and may be considered 'threatened' as that term is used in the federal Endangered Species Act." Additionally, an animal or plant may be presumed to be endangered, rare, or threatened if it meets the criteria for listing, as defined further in CEQA Guidelines Section 15380(c).

CDFW has developed a list of "Special Species" as "a general term that refers to all of the taxa the California Natural Diversity Database (CNDDB) is interested in tracking, regardless of their legal or protection status." This is a broader list than those species that are protected under FESA, CESA, and other California Fish and Game Code provisions, and includes lists developed by other organizations, including, for example, the Audubon Watch List Species. Guidance documents prepared by other agencies, including the U.S. Bureau of Land Management's Sensitive Species and USFWS Birds of Special Concern, are also included on this CDFW Special Species list. Additionally, CDFW has concluded that plant species listed as California Rare Plant Rank (CRPR) 1 and 2 by the California Native Plant Society, and potentially some CRPR 3 plants, are covered by CEQA Guidelines Section 15380.

Section IV, Appendix G (Environmental Checklist Form), of the CEQA Guidelines requires an evaluation of impacts to "any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or the U.S. Fish and Wildlife Service."

2.2.4 Porter–Cologne Water Quality Control Act

Pursuant to provisions of the Porter–Cologne Act, the RWQCBs regulate discharging waste, or proposing to discharge waste, within any region that could affect a water of the state (California Water Code, Section 13260[a]). The State Water Resources Control Board defines a waters of the state as "any surface water or groundwater, including saline waters, within the boundaries of the state" (California Water Code, Section 13050[e]). All waters of the United States are waters of the state. Waters of the state include wetlands, and the State Water Resources Control Board definition of wetlands includes the following:

1. Natural wetlands.
2. Wetlands created by modification of a surface water of the state.
3. Artificial wetlands that meet any of the following criteria:
    a. Approved by an agency as compensatory mitigation for impacts to other waters of the state, except where the approving agency explicitly identifies the mitigation as being of limited duration.
    b. Specifically identified in a water quality control plan as a wetland or other water of the state.
    c. Resulted from historic human activity, is not subject to ongoing operation and maintenance, and has become a relatively permanent part of the natural landscape.
    d. Greater than or equal to 1 acre in size unless the artificial wetland was constructed and is currently used and maintained, primarily for one or more of the following purposes: industrial or municipal wastewater treatment or disposal; settling of sediment; detention, retention, infiltration, or treatment of stormwater runoff and other pollutants or runoff subject to regulation under a municipal, construction, or industrial permitting program; treatment of surface waters; agricultural crop irrigation or stock watering; fire suppression; industrial processing or cooling water; active surface mining – even if the site is managed for interim wetlands functions and values; log storage; treatment, storage, or distribution of recycled water; maximizing groundwater recharge (this does not include wetlands that have incidental groundwater recharge benefits); or fields flooded for rice growing.

Wetlands that may not meet all of USACE's wetland delineation criteria are considered wetland waters of the state if, "under normal circumstances, (1) the area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both; (2) the duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate; and (3) the area's vegetation is dominated by hydrophytes or the area lacks vegetation" (SWRCB 2021). Additionally, aquatic resources that USACE determines to not be waters of the United States because they lack a significant nexus to a traditional navigable water or are above the ordinary high-water mark limit of federal jurisdiction may also be considered waters of the state. If a CWA Section 404 permit is not required for a project, the RWQCB may still require a permit (waste discharge requirements) for impacts to waters of the state under the Porter–Cologne Act.

2.3 Regional Resource Planning Context

2.3.1 Multiple Species Conservation Program Plan

The Project site is within the boundaries of the MSCP Plan (City of San Diego 1998). The MSCP Plan is a multijurisdictional habitat conservation planning program that involves USFWS, CDFW, the County of San Diego, the Cities of San Diego and Chula Vista, and other local jurisdictions and special districts. Local jurisdictions and special districts implement the MSCP Plan for their respective portions through subarea plans. The combination of the MSCP Plan and subarea plans serve as a Habitat Conservation Plan pursuant to FESA Section 10(a)(1)(B), and as a Natural Community Conservation Plan pursuant to the California Natural Community Conservation Planning Act of 1991 (City of San Diego 1998).

The MSCP Plan study area encompasses 582,243 acres within the southwestern portion of San Diego County. As stated in the MSCP Plan, an objective of the MSCP is to conserve a connected system of biologically viable habitat lands in a manner that maximizes the protection of sensitive species and precludes the need for future listings of species as threatened or endangered. The MSCP Plan identifies a Multi-Habitat Planning Area (MHPA), which is the area within which the permanent MSCP Preserve is assembled and managed for its biological resources. The MHPA is defined in many areas by mapped boundaries in figures in the MSCP Plan and is also defined by quantitative targets for conservation of vegetation communities and goals and criteria for Preserve design. The MSCP Plan targets 171,917 acres within the MHPA for conservation (City of San Diego 1998).

A total of 85 plant and animal species are "covered" by the MSCP Plan. The MSCP Plan Final Environmental Impact Report/Environmental Impact Statement identifies "Vegetation Community Conservation Target Areas" for conservation by subarea (Appendix B of the MSCP Plan [City of San Diego 1998]). A total of 2,067 acres is expected to be conserved within the Santee Subarea MHPA. With approval of each subarea plan and corresponding implementing agreement, each participating local jurisdiction receives permits and/or authorization to directly impact or take MSCP Covered Species. The Covered Species include species listed as endangered or threatened by FESA and/or CESA, as well as unlisted species. Table 3-5 in the MSCP Plan provides a list of the MSCP Covered Species, and includes specific conditions required for take authorizations (City of San Diego 1998).

2.3.2 Draft Santee MSCP Subarea Plan

The City of Santee has been preparing its subarea plan since the original approval of the San Diego MSCP Plan and is currently in the process of completing the Santee MSCP Subarea Plan. Although the Draft Santee MSCP Subarea Plan has not yet been approved or permitted, it is used as the guidance document for projects occurring within the City of Santee. The current Draft Santee MSCP Subarea Plan seeks coverage for up to 23 species, and relies on a combination of hardline conservation areas, criteria-based upland standards areas, San Diego River conservation opportunities areas, and City-owned preserve lands to protect species and habitat (City of Santee 2023). Coverage for species is dependent on a number of factors, including multijurisdictional participation, adequate building of the Preserve system, adequate protection of certain populations, permanent management funding, and other factors.

The Draft Santee MSCP Subarea Plan Preserve boundaries are a result of the City of Santee's efforts to refine and expand the MHPA boundaries, to better define conservation priorities within the City of Santee, and to formulate a Habitat Conservation Plan under the MSCP Plan. Because the Draft Santee MSCP Subarea Plan is still in

development, portions of the subarea plan may still change, including hardline Preserve areas and Covered Species. The Project site is entirely outside of the Preserve areas identified in the Draft Santee MSCP Subarea Plan (City of Santee 2023). However, as shown in Figure 1, the Project site is adjacent to Preserve areas associated with the San Diego River corridor, as identified in the Draft Santee MSCP Subarea Plan (City of Santee 2023).

INTENTIONALLY LEFT BLANK

3 Methods

Data regarding biological resources present within the Project site were obtained through a review of pertinent literature and field surveys conducted in 2023; both are described in detail below. Survey conditions are provided in Table 1.

Table 1. Survey Conditions

Date	Hours	Personnel	Survey Focus	Survey Conditions
03/09/2023	NR	Brock Ortega	Reconnaissance Survey and Wildlife Habitat Assessment	NR
04/07/2023	12:15 PM–03:15 PM	Dylan Ayers	Vegetation Mapping and Jurisdictional Aquatic Resource Assessment	64–67°F, 30% cc, 1–3 mph
05/03/2023	06:10 AM – 08:40 AM	Brock Ortega	Least Bell's Vireo Survey	50–55°F, 100–90% cc, 1–3 mph
05/13/2023	08:45 AM – 10:50 AM	Brock Ortega	Least Bell's Vireo Survey	62–67°F, 80–60% cc, 1–3 mph
05/23/2023	06:15 AM – 08:20 AM	Brock Ortega	Least Bell's Vireo Survey	57–63°F, 100–70% cc, 1–0 mph
06/03/2023	08:11 AM – 10:22 AM	Brock Ortega	Least Bell's Vireo Survey	63–69°F, 90–50% cc, 0–5 mph
06/18/2023	06:03 AM – 08:12 AM	Brock Ortega	Least Bell's Vireo Survey	63–70°F, 80–20% cc, 1–3 mph
06/27/2023	08:40 AM – 10:30 AM	Brock Ortega	Least Bell's Vireo Survey	58–72°F, 100–50% cc, 0–5 mph
07/07/2023	06:00 AM–08:05 PM	Brock Ortega	Least Bell's Vireo Survey	60–65°F, 100–50% cc, 0–1 mph
07/20/2023	06:20 AM–08:26 AM	Brock Ortega	Least Bell's Vireo Survey	66–72°F, 0% cc, 0 mph

Note: NR = not recorded; cc = cloud cover; mph = miles per hour (wind).

3.1 Literature Review

Prior to conducting field surveys, Dudek biologists reviewed the latest CDFW California Natural Diversity Database (CDFW 2023a), California Native Plant Society's Inventory of Rare and Endangered Plants of California (CNPS 2023), and USFWS and San Diego Geographic Information Source (SanGIS) databases to identify special-status species that are known to occur or may potentially occur within the Project site based on the physical characteristics of the site (including biogeography, elevation, soils, and vegetation communities).

3.2 Survey Methods

Vegetation mapping within the Project site was conducted on April 7, 2023, by Dudek biologist Dylan Ayers. Vegetation community classifications follow Holland (1986), as revised by Oberbauer et al. (2008). Vegetation communities and land covers were mapped in the field using a mobile data collection application. Vegetation

surveys were conducted throughout the site on foot. Following the completion of fieldwork, vegetation polygons were digitized using ArcGIS, and GIS coverage was created. Acreage calculations of vegetation communities and land covers were determined using ArcGIS. An assessment for jurisdictional aquatic resources was conducted concurrently with the vegetation mapping. Latin names for plant species observed during the vegetation mapping survey follow the Jepson Interchange List of Currently Accepted Names of Native and Naturalized Plants of California (Jepson Flora Project 2022), and common names follow the CDFW California Natural Communities List (CDFW 2023b) or the U.S. Department of Agriculture Natural Resources Conservation Service Plants Database (USDA 2023).

A habitat assessment for potentially occurring special-status resources was conducted on March 9, 2023. Based on that survey, it was determined that a protocol-level least Bell's vireo (*Vireo bellii pusillus*) survey should be conducted within the riparian habitat adjacent (i.e., within 500 feet) to the Project site. The eight surveys for least Bell's vireo followed the Least Bell's Vireo Survey Guidelines (USFWS 2001), which states that a minimum of eight survey visits should be made to all riparian areas and any other potential least Bell's vireo habitats between April 10 and July 31. The site visits are required to be conducted at least 10 days apart to maximize the detection of early and late arrivals, females, non-vocal birds, and nesting pairs. Taped playback of least Bell's vireo vocalizations was not used during the surveys per USFWS 2001 protocol. Surveys were conducted between dawn and noon, and were not conducted during periods of excessive or abnormal cold, heat, wind, rain, or other inclement weather. All surveys consisted of slowly walking a methodical, meandering transect along the Project site's northern boundary that occurs adjacent to the riparian habitat within the San Diego River corridor. This route was arranged to cover all suitable adjacent habitat. If least Bell's vireo or any other special-status species were encountered, field personnel recorded data points demarcating the location using the Esri ArcGIS mobile application. Survey conditions are summarized in Table 1.

All wildlife species detected during the field surveys by sight, vocalizations, burrows, tracks, scat, or other sign were recorded. The site was visually scanned with and without binoculars to identify wildlife. Latin and common names of animals follow Crother (2017) for reptiles and amphibians, the American Ornithological Society for birds (AOS 2023), and Wilson and Reeder (2005) for mammals.

4 Results

4.1 Vegetation Mapping and Land Covers

Based on species composition and general physiognomy, four vegetation communities or land cover types occur within the Project site, and 10 vegetation communities or land cover types occur within the 500-foot buffer surrounding the Project site. Acreages for each vegetation community or land cover type are provided in Table 2, and their spatial distribution is shown in Figure 2, Biological Resources. Descriptions for each vegetation community or land cover type are provided below.

Table 2. Vegetation Communities and Land Covers within the Project Site and 500-Foot Buffer

Vegetation Community/Land Cover Type	Holland/Oberbauer Code	500-Foot Buffer (Acres)	Project Site (Acres)
Riparian/Bottomland Vegetation Communities			
Coastal and Valley Freshwater Marsh	52410	1.52	0
Southern Arroyo Willow Riparian Forest	61320	5.69	0
Southern Cottonwood–Willow Riparian Forest	61330	0.56	0
Southern Willow Scrub	63320	2.02	0
Open Water	64140	8.09	0
Riparian/Bottomland Vegetation Communities Subtotal		*17.88*	*0*
Upland Vegetation Communities			
Diegan Coastal Sage Scrub	32500	1.04	0
Non-Native Communities and Land Cover Types			
Non-Native Grassland	42200	0.95	0.27
Non-Native Woodland	79000	0.62	0.51
Disturbed Habitat	11300	0.48	0.02
Urban/Developed	12000	53.39	12.70
Non-Native Communities and Land Cover Types Subtotal		*55.45*	*13.49*
Total		**74.37**	**13.49**

Note: Totals may not sum due to rounding.

Coastal and Valley Freshwater Marsh (52410)

Coastal and valley freshwater marsh is a wetland habitat that is permanently flooded by freshwater lacking a significant current (Oberbauer et al. 2008). Because it is permanently flooded by fresh water, there is an accumulation of deep, peaty soils. Typically, this community is dominated by species such as cattail (*Typha* spp.), sedge (*Carex* spp.), yellow nutsedge (*Cyperus esculentus*), and bulrushes (*Scirpus* spp.).

Coastal and valley freshwater marsh totals 1.52 acres within the Project site's 500-foot buffer and is within the San Diego River corridor. As a wetland community, coastal and valley freshwater marsh is typically under the jurisdiction of the aquatic resource agencies.

Southern Arroyo Willow Riparian Forest (61320)

Southern arroyo willow riparian forest is a winter-deciduous riparian forest dominated by broad-leafed trees and arroyo willow (*Salix lasiolepis*). Typically it consists of a moderately tall, closed, or nearly closed canopy, with an understory of shrubby willows (Oberbauer et al. 2008). Southern arroyo willow riparian forest is characterized by the presence of several species besides arroyo willow, including San Diego sagewort (*Artemisia palmeri*), mulefat (*Baccharis salicifolia*), manroot (*Marah macrocarpus*), western sycamore (*Platanus racemosa*), Fremont cottonwood (*Populus fremontii* ssp*. fremontii*), Goodding's willow (*Salix gooddingii*), narrowleaf willow (*Salix exigua*), and yellow willow (*Salix lasiandra*) (Oberbauer et al. 2008). Southern arroyo willow riparian forest occurs in sub-irrigated and frequently overflowed areas along rivers and streams that are perennially wet (Oberbauer et al. 2008).

Southern arroyo willow riparian forest totals 5.69 acres within the Project site's 500-foot buffer, and it is within the San Diego River corridor. As a wetland community, southern arroyo willow riparian forest is typically under the jurisdiction of the aquatic resource agencies.

Southern Cottonwood–Willow Riparian Forest (61330)

Southern cottonwood–willow riparian forest is described in Oberbauer et al. 2008 as a tall, open, broadleafed winter-deciduous riparian forest dominated by Fremont cottonwood or balsam poplar (*Populus trichocarpa*), and various willow trees (*Salix* sp.). The shrub layer typically includes various willow species, mulefat, and western sycamore. This community typically occurs in overflow lands along rivers and streams (Oberbauer et al. 2008).

Southern cottonwood–willow riparian forest totals 0.56 acres within the Project site's 500-foot buffer, and it is within the San Diego River corridor. As a wetland community, southern cottonwood–willow riparian forest is typically under the jurisdiction of the aquatic resource agencies.

Southern Willow Scrub (63320)

Southern willow scrub is a dense, broad-leafed, winter-deciduous riparian thicket dominated by several willow species (*Salix* sp.), with scattered emergent Fremont cottonwood and western sycamore (Oberbauer et al. 2008). Most stands are too dense to allow much understory development. This habitat is considered seral due to repeated disturbance/flooding, and is therefore unable to develop into the taller southern cottonwood willow riparian forest (Oberbauer et al. 2008). Southern willow scrub totals 2.02 acres within the Project site's 500-foot buffer, and it is within the San Diego River corridor. As a wetland community, southern willow scrub is typically under the jurisdiction of the aquatic resource agencies.

Open Water (64140)

Open water is composed of year-round bodies of fresh water (extremely low salinity) in the form of lakes, streams, ponds, or rivers (Oberbauer et al. 2008). This includes those portions of water bodies that are usually covered by water and contain less than 10% vegetative cover (Oberbauer et al. 2008). Open water totals 8.09 acres within the Project site's 500-foot buffer and it represents the San Diego River. As a wetland community, open water is typically under the jurisdiction of the aquatic resource agencies.

Diegan Coastal Sage Scrub (32500)

Diegan coastal sage scrub is a native vegetation community. According to Oberbauer et al. (2008), coastal sage scrub is composed of a variety of soft, low, aromatic shrubs, characteristically dominated by drought-deciduous species—such as California sagebrush (*Artemisia californica*), California buckwheat (*Eriogonum fasciculatum*), and sages (*Salvia* spp.)—with scattered evergreen shrubs, including lemonadeberry (*Rhus integrifolia*) and laurel sumac (*Malosma laurina*). Diegan coastal sage scrub totals 1.04 acres within the Project site's 500-foot buffer, and it occurs within the San Diego River corridor.

Non-Native Grassland (42200)

Non-native grassland consists of dense to sparse cover of annual grasses with flowering culms between 0.5 to 3 feet in height (Oberbauer et al. 2008). In some areas, depending on past disturbance and annual rainfall, annual forbs may be the dominant species. However, it is presumed that grasses will dominate.

Within the Project site, 0.27 acres of non-native grassland is dominated by wild oat (*Avena fatua*), bromes (*Bromus diandrus, B. rubens*), redstem stork's bill (*Erodium cicutarium*), Maltese star-thistle (*Centaurea melitensis*), and mustard (*Hirschfeldia incana*). This area had been recently mowed during the site visit on April 7, 2023. Non-native grassland also occurs within the Project site's 500-foot buffer and totals 0.95 acres.

Non-Native Woodland (79000)

Non-native woodland consists of exotic trees, usually intentionally planted, that are not maintained or artificially irrigated (Oberbauer et al. 2008); it does not usually apply where these trees have naturalized or in riparian woodlands (Oberbauer et al. 2008). Within the Project site, 0.51 acres of non-native woodland occurs along the northern boundary and is composed of African sumac (*Searsia lancea*), acacia (*Acacia* spp.), eucalyptus (*Eucalyptus* spp.), and silky oak trees (*Grevillea robusta*). Non-native woodland also occurs within the Project site's 500-foot buffer and totals 0.62 acres.

Disturbed Habitat (11300)

Disturbed habitats are areas that have been physically disturbed and are no longer recognizable as a native or naturalized vegetation association (Oberbauer et al. 2008). These areas may continue to retain soil substrate. If vegetation is present, it is almost entirely composed of non-native vegetation, such as ornamentals or ruderal exotic species. Examples of these areas may include graded landscapes or areas, graded firebreaks, graded construction pads, temporary construction staging areas, off-road-vehicle trails, areas repeatedly cleared for fuel management, or areas that are repeatedly used in ways that prevent revegetation (e.g., parking lots, trails that have persisted for years) (Oberbauer et al. 2008).

Disturbed habitat totals 0.48 acres within the Project site's 500-foot buffer and 0.02 acres within the Project site. This land cover type includes the dirt road adjacent to the Project site that separates the site from the San Diego River.

Urban/Developed (12000)

Developed land consists of buildings, structures, homes, parking lots, paved roads, and maintained areas. Developed areas do not support vegetation. Urban/developed land covers the vast majority of the Project site (94%, 12.70 acres). The developed area is associated with the parking lot and drive-in movie theater. A total of 53.39 acres, or 72% of the Project site's 500-foot buffer, is composed of developed lands.

4.2 Plant and Wildlife Species

A total of 19 species of native or naturalized plants, 2 native (11%) and 17 non-native (89%), were recorded on the Project site (see Appendix A). The majority of these plant species are ornamental trees planted in association with the current development on site. Due to the lack of habitat (i.e., site is currently a parking lot), very few wildlife species were observed within the Project site (i.e., nine total, consisting of eight bird species and one mammal species). A total of 42 wildlife species common to San Diego County were observed within the surrounding area during surveys. Appendix B includes all wildlife species observed within the Project site and the 500-foot buffer.

4.2.1 Special-Status Plant Species

Special-status plant species include those listed, or candidates for listing, as threatened or endangered by USFWS and CDFW, and species identified as rare by the California Native Plant Society (particularly CRPR 1A, presumed extinct in California; CRPR 1B, rare, threatened, or endangered throughout its range; and CRPR 2, rare or endangered in California, more common elsewhere). Appendix C provides a table of all special-status plant species whose geographic ranges fall within the general vicinity of the Project site. Special-status species' potential to occur within the Project site were evaluated based on known species distribution, species-specific habitat preferences, and Dudek biologists' knowledge of regional biological resources. Each special-status species was assigned a rating of "not expected," "low," "moderate," or "high" potential to occur within the Project site based on relative location to known occurrences, vegetation community, soil, and elevation.

No special-status plant species were observed within the Project site during surveys, and due to lack of habitat, none are expected to occur. There is moderate potential for special-status plant species to occur off site within suitable habitat areas in the 500-foot buffer surrounding the Project site within the San Diego River corridor.

4.2.2 Special-Status Wildlife Species

Special-status wildlife species include those listed, or candidates for listing, as threatened or endangered by USFWS and CDFW, and those designated as Species of Special Concern by CDFW and as sensitive by USFWS. Appendix D provides a table of all special-status wildlife species whose geographic ranges fall within the general vicinity of the Project site. Special-status species' potential to occur within the Project site were evaluated based on known species distribution, species-specific habitat preferences, and Dudek biologists' knowledge of regional biological resources. Each special-status species was assigned a rating of "not expected," "low," "moderate," or "high" potential to occur within the Project site based on relative location to known occurrences, vegetation community, soil, and elevation.

No special-status wildlife species were observed within the Project site during surveys, and due to lack of habitat, none are expected to occur. However, three special-status wildlife species—least Bell's vireo, yellow-breasted chat (*Icteria virens*), and yellow warbler (*Setophaga petechia*)—were observed off site within the Project site's 500-foot

buffer that overlaps the riparian habitat associated with the San Diego River. Three nesting pairs of least Bell's vireo were detected within the riparian habitat; one pair occurred on the southern side of the San Diego River and two pairs occurred on the northern side. One pair of yellow breasted chat was detected, and both were active across much of the habitat. A number of yellow warblers were detected, and much of the riparian habitat was used by them.

Additionally, coastal California gnatcatcher (*Polioptila californica californica*) was observed outside the 500-foot buffer (more than 700 feet north of the Project site) in coastal scrub habitat during the riparian bird surveys. However, there is minimal suitable habitat for this species within the 500-foot buffer area. The coastal sage scrub occurring within the 500-foot buffer is small (i.e., approximately 1 acre), disturbed, on steep slopes, and likely not used for nesting by this species.

4.3 Jurisdictional Aquatic Resources

No jurisdictional aquatic resources were observed within the Project site during the jurisdictional aquatic resource assessment. The northern edge of the Project site is adjacent to stands of thick vegetation occurring along a chain-link fence line that lines the parking lot. This vegetation was dominated by African sumac (*Searsia lancea*), a non-native low-growing tree species that is known to occupy disturbed areas. African sumac would not be considered a jurisdictional wetland or riparian vegetation subject to aquatic resources regulation. In addition, the edge of the Project site occurs at least 20 to 30 feet in elevation higher than and approximately 70 to 100 feet south of the riparian (willow forest) and wetland (freshwater marsh) vegetation communities associated with the San Diego River. These wetland areas occur outside of the Project site. A strip of disturbed habitat separates the San Diego River and the upland communities adjacent to the Project site; multiple encampments created by people experiencing homelessness were observed in this area. Two culverts were observed during the jurisdictional aquatic resource assessment that appear to transport flows from the Project site boundary northward toward the San Diego River; however, no channels or aquatic resources have developed around the culvert structures. Other culverts could exist but are likely obscured by vegetation growth and erosion.

4.4 Wildlife Corridors and Habitat Linkages

Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Wildlife corridors contribute to population viability by ensuring continual exchange of genes between populations, providing access to adjacent habitat areas for foraging and mating, and providing routes for recolonization of habitat after local extirpation or ecological catastrophes (e.g., fires).

Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation. Habitat linkages provide a potential route for gene flow and long-term dispersal of plants and animals, and may also serve as primary habitat for smaller animals, such as reptiles and amphibians. Habitat linkages may be continuous habitat or discrete habitat islands that function as steppingstones for dispersal.

The MSCP Plan (City of San Diego 1998) defines core and linkage areas as those maintaining ecosystem function and processes, including large animal movement. Each core area is connected to other core areas or to habitat areas outside of the MSCP study area either through common boundaries or through linkages. Core areas have multiple connections to help ensure that the balance in the ecosystem will be maintained.

The Project site is currently developed as a parking lot and drive-in theater and is not mapped as a core area or habitat linkage under the MSCP (City of San Diego 1998). Therefore, the Project site does not function as a wildlife

corridor or habitat linkage. However, the Project site is adjacent to the San Diego River, which could potentially function as a wildlife corridor for local populations of common species. Larger species, like mule deer (*Odocoileus hemionus*) and mountain lion (*Puma concolor*), are not expected to use this highly urbanized vicinity of the river corridor due to the amount of adjacent commercial and industrial uses, large presence of human encampments, and general lack of connectivity to larger core areas of suitable habitat. It is unlikely that bobcats would use this area for the same reasons. Species most likely to use this area include coyote (*Canis latrans*), raccoon (*Procyon lotor*), striped skunk (*Mephitis mephitis*), and Virginia opossum (*Didelphis virginiana*).

5 Project Impacts

This section addresses direct and indirect impacts to biological resources that would result from implementation of the Project, provides the significance determinations for proposed or potential impacts, and proposes mitigation. Cumulative impacts are addressed in the Project's Environmental Impact Report.

5.1 Explanation of Findings of Significance

Impacts to sensitive vegetation communities, special-status plant and wildlife species, and jurisdictional aquatic resources, including wetlands, must be quantified and analyzed to determine whether such impacts are significant under CEQA. CEQA Guidelines Section 15064(b) states that an ironclad definition of a "significant" effect is not possible because the significance of an activity may vary with the setting. Appendix G of the CEQA Guidelines, however, does provide "examples of consequences which may be deemed to be a significant effect on the environment" (14 CCR 15064[e]). These effects include substantial effects on rare or endangered species of animal or plant or the habitat of the species. CEQA Guidelines Section 15065(a) is also helpful in defining whether a project may have a significant effect on the environment. Under that section, a proposed project may have a significant effect on the environment if the project has the potential to (1) substantially degrade the quality of the environment, (2) substantially reduce the habitat of a fish or wildlife species, (3) cause a fish or wildlife population to drop below self-sustaining levels, (4) threaten to eliminate a plant or animal community, (5) reduce the number or restrict the range of a rare or endangered plant or animal, or (6) eliminate important examples of a major period of California history or prehistory.

The following are the significance thresholds for biological resources provided in the CEQA Guidelines Appendix G Environmental Checklist, which states that a project would potentially have a significant effect if it does any of the following:

- **Impact BIO-1.** Has a substantial adverse effect, either directly or through habitat modifications, on any species identified as being a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS.
- **Impact BIO-2.** Has a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by CDFW or USFWS.
- **Impact BIO-3.** Has a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means.
- **Impact BIO-4.** Interferes substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impedes the use of native wildlife nursery sites.
- **Impact BIO-5.** Conflicts with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.
- **Impact BIO-6.** Conflicts with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan.

The evaluation of whether an impact to a particular biological resource is significant must consider both the resource itself and the role of that resource in a regional context. Substantial impacts are those that contribute to, or result in, permanent loss of an important resource, such as a population of a rare plant or wildlife species. Impacts may be important locally because they result in an adverse alteration of existing site conditions, but considered not significant because they do not contribute substantially to the permanent loss of that resource regionally. The severity of an impact is the primary determinant of whether that impact can be mitigated to a level below significance.

5.2 Definition of Impacts

Direct impacts refer to complete loss of a biological resource. For the purposes of this report, direct impacts refer to the area where vegetation clearing, grubbing, or grading replaces biological resources. Direct impacts were quantified by overlaying the proposed impact limits on the biological resources map of the Project site. Direct impacts would occur from construction of an industrial/warehouse building and associated loading docks; trailer stalls; passenger vehicle parking spaces; and street, sidewalk, and landscape improvements.

Indirect impacts are reasonably foreseeable effects caused by a project's implementation on remaining or adjacent biological resources outside the direct disturbance zone. For purposes of this report, indirect impacts may affect areas associated with biological resources present within the San Diego River corridor. Indirect impacts may be short-term and construction-related, or long-term and associated with development in proximity to biological resources.

Cumulative impacts refer to the combined environmental effects of a project and other relevant projects. These impacts may be minor when analyzed individually but become collectively significant as they occur over time. Cumulative impacts are addressed in the Project's Environmental Impact Report.

The evaluation of Project impacts is organized by the resource potentially affected: riparian and sensitive vegetation communities (special-status vegetation communities), special-status species, jurisdictional waters and wetlands, and wildlife movement.

5.3 Impact Analysis

The entire 13.49-acre Project site would be directly impacted with Project implementation. Acreages for each vegetation community or land cover type permanently impacted are provided in Table 3, and their spatial distribution is shown in Figure 3, Impacts.

Table 3. Impacts to Vegetation Communities and Land Covers within the Project Site

Vegetation Community/ Land Cover Type	Holland/Oberbauer Code	Permanent Impact (Acres)
Non-Native Grassland	42200	0.27
Non-Native Woodland	79000	0.51
Disturbed Habitat	11300	0.02
Urban/Developed	12000	12.70
	Total	**13.49**

Note: Totals may not sum due to rounding.

5.3.1 Impact BIO-1: Special-Status Species

5.3.1.1 Direct Impacts

No special-status plant or wildlife species were observed within the Project site during surveys, and due to lack of habitat, none are expected to occur. Therefore, no direct impacts would occur to special-status plant or wildlife species with Project implementation.

Direct impacts to nesting birds, protected under Section 3503 of the California Fish and Game Code, could occur within areas of the Project site mapped as non-native woodland or within the existing ornamental trees as part of the current development's landscaping. Project implementation of Mitigation Measure (MM) BIO-1 (Pre-Construction Nesting Bird Survey) would reduce potential direct impacts to nesting birds to a less-than-significant level through performance of a nesting bird survey if construction occurs during the nesting season. Additionally, all trees removed as part of Project implementation that could potentially provide nesting habitat for birds would be replaced as directed by MM-BIO-4 (Tree Replacement, Encroachment, and Preservation). Therefore, no significant direct impacts are anticipated with Project implementation to nesting birds or their habitat.

The Project site does not occur within federally designated critical habitat for plant or wildlife species. Therefore, no direct impacts would occur to critical habitat with Project implementation.

5.3.1.2 Indirect Impacts

Project implementation has the potential to result in indirect impacts to special-status wildlife species, specifically least Bell's vireo, yellow-breasted chat, and yellow warbler, as well as special-status plant species occurring within 500 feet of the Project site.

Construction-Related: Potential short-term or temporary indirect impacts to least Bell's vireo, yellow-breasted chat, yellow warbler, coastal California gnatcatcher, and special-status plant species resulting from construction activities include the release of chemical pollutants; adverse effects from noise, vibration, and increased human presence; and night-time lighting. These potential construction-related indirect impacts would be potentially significant absent mitigation.

Project implementation of MM-BIO-1 (Pre-Construction Nesting Bird Survey) would reduce potential indirect impacts from construction noise to a less-than-significant level through performance of a nesting bird survey if construction occurs during the nesting season. If nesting least Bell's vireo, yellow-breasted chat, and/or yellow warbler are identified, an adequate buffer will be implemented to ensure that effects from noise, vibration, and human presence are minimized. In addition, implementation of MM-BIO-2 (Construction-Related Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources) will minimize indirect impacts to least Bell's vireo, yellow-breasted chat, yellow warbler, and special-status plant species through biological monitoring, requirement of a Worker Environmental Awareness Training that will cover the special-status resources and mitigation requirements for the Project, delineation of Project boundaries, requiring that all vehicles and equipment be serviced in designated staging areas, and ensuring that construction will not be conducted at night. Project construction would be limited to the City of Santee's allowable construction hours of 7:00 a.m. and 7:00 p.m. and is not anticipated to require lighting. In the event that construction lighting is required, it would be properly shielded to avoid spillover effects (MM-BIO-2).

Implementation of MM-BIO-1 (Pre-Construction Nesting Bird Survey) and MM-BIO-2 (Construction-Related Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources) would minimize the effect of construction-related indirect impacts to least Bell's vireo, yellow-breasted chat, yellow warbler, and special-status plant species to less than significant with mitigation incorporated.

Long-Term: Potential long-term, indirect impacts that could result from Project implementation to suitable foraging and nesting habitat for least Bell's vireo, yellow-breasted chat, and yellow warbler and special-status plants include chemical releases, such as oils and grease from vehicles that could degrade habitat; increased invasive plant species that may degrade habitat; nighttime lighting; and trampling of vegetation and soil compaction by humans, which could affect soil moisture, water penetration, surface flows, and erosion. These potential long-term indirect impacts would be potentially significant absent mitigation. Because the Project site is located within the City of Santee's industrial zone, there are existing ambient noise levels that were measured by Dudek and are included in Table 2 of the Project's Noise Technical Report (Dudek 2024). The measured baseline outdoor ambient noise level for areas north of the Project site (i.e., occurring within the San Diego River corridor) were established to be between 50 to 56 A-weighted decibels (dBA). Figures 5 and 6 of the Project's Noise Technical Report (Dudek 2024) show that the maximum predicted operational noise levels will be in the 35 to 45 dBA range for areas occurring north of the Project site within the San Diego River corridor. Installation of an 8-foot-tall noise barrier along the northern perimeter of the Project site is proposed as a feature of the Project. With installation of this noise barrier, Project-related operational noise levels are predicted to be less than the current existing ambient sound levels in the areas occurring north of the Project site within the San Diego River corridor by a factor of 5 to 21 dBA. Additionally, all operational noise levels comply with the City of Santee's noise threshold for industrial land uses and are below 60 dBA, which is typically used as the noise threshold for wildlife species. Therefore, long-term operational noise impacts are less than significant.

The Project site currently contains sources of artificial nighttime light that are typical of a drive-in movie theater use. In addition, streetlights are present along Wheatlands Court and North Woodside Avenue to the west, south, and east, all of which are sources of nighttime light as well. Other exterior artificial light sources in the immediate vicinity of the Project site include nearby industrial uses bordering the site to the south, east, and west. There are no existing sources of light or glare from the San Diego River corridor abutting the Project site to the north; however, typical residential light sources in the residential neighborhood to the north of the Project site and the San Diego River corridor may be visible from the Project site. Implementation of MM-BIO-3 (Long-Term Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources) would minimize the effect of long-term indirect impacts from proposed lighting as it would be designed consistent with the requirements of Section 13.30.030(B) of the Santee Municipal Code, which states that lighting shall be shielded, or recessed, and directed downward and away from adjoining properties.

Implementation of MM-BIO-3 (Long-Term Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources) would minimize the effect of long-term indirect impacts to least Bell's vireo, yellow-breasted chat, yellow warbler, and special-status plant species by requiring measures to ensure runoff is not altered from existing conditions and toxicants are not discharged, preparation of landscaping plans that will emphasize native species and not include species from the California Invasive Plant Council's Invasive Plant Inventory, and incorporation of barriers to prevent unauthorized public access to open space areas associated with the San Diego River corridor. Therefore, long-term indirect impacts to special-status species would be reduced to less than significant with mitigation incorporated.

5.3.2 Impact BIO-2: Sensitive Vegetation Communities

5.3.2.1 Direct Impacts

A total of 13.49 acres would be permanently impacted with Project implementation (Figure 3). Table 3 summarizes permanent and temporary direct impacts to vegetation communities and land covers within the Project site. No riparian habitat would be impacted with Project implementation. Communities listed by CDFW as high priority for inventory (i.e., State Rank [S] 1, 2, or 3) are considered sensitive and typically require mitigation (CDFW 2023b). There are no sensitive vegetation communities with CDFW State Ranks of 1, 2, or 3 within the Project site. Permanent direct impacts to non-native grassland would typically require mitigation to comply with regional MSCP conservation goals (City of San Diego 1998). However, because the Project's impact to non-native grassland is very minimal (0.27 acres) and the non-native grassland within the Project site is highly disturbed and dominated by annual forb species, impacts to this vegetation community would be less than significant and no mitigation measures are required.

5.3.2.2 Indirect Impacts

Project implementation has the potential to result in indirect impacts to sensitive vegetation communities occurring adjacent to the Project site.

Construction-Related*:* Sensitive vegetation communities may be indirectly impacted during construction of the proposed Project. Potential short-term or temporary indirect impacts to sensitive vegetation communities resulting from construction activities include inadvertent spillover impacts, including unintentional clearing, trampling, or grading outside of the Project footprint; generation of fugitive dust; changes in hydrology resulting from construction, including sedimentation and erosion; the release of chemical pollutants; and the adverse effect of invasive plant species. These potential construction-related, indirect impacts to sensitive vegetation communities would be potentially significant absent mitigation.

Implementation of MM-BIO-2 (Construction-Related Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources) would minimize the effect of construction-related indirect impacts to sensitive vegetation communities to less than significant with mitigation incorporated.

Long-Term: Potential long-term, indirect impacts that could result from development near sensitive vegetation communities include chemical releases, such as oils and grease from vehicles that could degrade habitat; increased invasive plant species that may degrade habitat; and trampling of vegetation and soil compaction by humans, which could affect soil moisture, water penetration, surface flows, and erosion. These potential long-term indirect impacts to sensitive vegetation communities would be potentially significant absent mitigation.

Implementation of MM-BIO-3 (Long-Term Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources) would minimize long-term indirect impacts by requiring measures to ensure runoff is not altered from existing conditions and toxicants are not discharged, preparation of landscaping plans that will emphasize native species and not include species from the California Invasive Plant Council's Invasive Plant Inventory, and incorporation of barriers to prevent unauthorized public access to open space areas associated with the San Diego River corridor. Therefore, long-term indirect impacts to sensitive vegetation communities would be less than significant with mitigation incorporated.

5.3.3 Impact BIO-3: State or Federally Protected Wetlands

5.3.3.1 Direct Impacts

No jurisdictional aquatic resources, including state or federally protected wetlands, occur within the Project site. The edge of the Project site occurs at least 20 to 30 feet in elevation higher than and approximately 70 to 100 feet south of the riparian (willow forest) and wetland (freshwater marsh) vegetation communities associated with the San Diego River. Therefore, no direct impacts to state or federally protected wetlands are anticipated within Project implementation, and no permits under Sections 401 or 404 of the Clean Water Act are required.

5.3.3.2 Indirect Impacts

Project implementation has the potential to result in indirect impacts to jurisdictional aquatic resources occurring within 500 feet of the Project site associated with the San Diego River.

Construction-Related: Jurisdictional aquatic resources of the United States/state may be indirectly impacted during construction. Potential short-term or temporary indirect impacts to jurisdictional aquatic resources resulting from construction activities include the generation of fugitive dust; changes in hydrology resulting from construction, including sedimentation and erosion; the release of chemical pollutants; and unintentional clearing, trampling, or grading outside of the proposed construction zone. Construction-related indirect impacts to jurisdictional aquatic resources would be potentially significant absent mitigation.

Implementation of MM-BIO-2 (Construction-Related Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources) would minimize construction-related indirect impacts through biological monitoring, requirement of Worker Environmental Awareness Training that will cover the special-status resources and mitigation requirements for the Project, delineation of Project boundaries, implementation of standard dust control measures, development of a Stormwater Pollution Prevention Plan, and requiring all vehicles and equipment to be serviced in designated staging areas. Therefore, construction-related indirect impacts to jurisdictional aquatic resources would be less than significant with mitigation incorporated.

Long-Term: Potential long-term indirect impacts that could result from development near jurisdictional aquatic resources of the United States/state include pollutants that could degrade water quality and habitat; increased invasive plant species that may degrade habitat; and trampling of vegetation and soil compaction by humans, which could affect soil moisture, water penetration, surface flows, and erosion. Long-term indirect impacts to jurisdictional aquatic resources would be potentially significant absent mitigation.

Implementation of MM-BIO-3 (Long-Term Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources) would minimize long-term indirect impacts by requiring measures to ensure runoff is not altered from existing conditions and toxicants are not discharged, preparation of landscaping plans that will emphasize native species and not include species from the California Invasive Plant Council's Invasive Plant Inventory, and incorporation of barriers to prevent unauthorized public access to areas with state and federally protected waterways. Therefore, long-term indirect impacts to jurisdictional aquatic resources would be less than significant with mitigation incorporated.

5.3.4 Impact BIO-4: Wildlife Corridors and Habitat Linkages

5.3.4.1 Direct Impacts

The Project site is currently developed as a parking lot and drive-in theater and is not mapped as a core area or habitat linkage under the MSCP (City of San Diego 1998). Therefore, the Project site does not function as a wildlife corridor or habitat linkage. Therefore, no direct impacts are anticipated to wildlife corridors and/or habitat linkages with Project implementation.

5.3.4.2 Indirect Impacts

Project implementation has the potential to result in indirect impacts to the San Diego River corridor, which occurs adjacent to the Project site and may function as a local wildlife corridor.

Construction-Related: The San Diego River wildlife corridor may be indirectly impacted during construction of the proposed Project. Potential short-term or temporary indirect impacts to biological resources within the San Diego River wildlife corridor resulting from construction activities include inadvertent spillover impacts, including unintentional clearing, trampling, or grading outside of the Project footprint; generation of fugitive dust; changes in hydrology resulting from construction, including sedimentation and erosion; the release of chemical pollutants; and the adverse effects of invasive plant species. These potential construction-related, indirect impacts to the San Diego River wildlife corridor would be potentially significant absent mitigation.

Implementation of MM-BIO-2 (Construction-Related Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources) would minimize the effect of construction-related indirect impacts to the San Diego River wildlife corridor to less than significant with mitigation incorporated. Project construction would be limited to the City of Santee's allowable construction hours of 7:00 a.m. and 7:00 p.m. and is not anticipated to require lighting. In the event that construction lighting is required, it would be properly shielded to avoid spillover effects (MM-BIO-2).

Long-Term: Potential long-term, indirect impacts that could result from development near the San Diego River wildlife corridor include chemical releases such as oils and grease from vehicles that could degrade habitat; increased invasive plant species that may degrade habitat; nighttime lighting; and trampling of vegetation and soil compaction by humans, which could affect soil moisture, water penetration, surface flows, and erosion. These potential long-term indirect impacts to the San Diego River wildlife corridor would be potentially significant absent mitigation. Because the Project site is located within the City of Santee's industrial zone, the Project's operational noise (e.g., manufacturing; heating, ventilation, and air conditioning; truck loading and unloading) would not change the existing noise levels in the surrounding vicinity, and all operational noise levels comply with the City of Santee's noise threshold for industrial land uses. Therefore, long-term operational noise impacts are less than significant.

The Project site contains sources of artificial nighttime light that are typical of a drive-in movie theater use. In addition, streetlights are present along Wheatlands Court and North Woodside Avenue to the west, south, and east, all of which are sources of nighttime light as well. Other exterior artificial light sources in the immediate vicinity of the Project site include nearby industrial uses bordering the site to the south, east, and west. There are no existing sources of light or glare from the San Diego River corridor abutting the Project site to the north; however, typical residential light sources in the residential neighborhood to the north of the Project site and the San Diego River may be visible from the Project site. Implementation of MM-BIO-3 (Long-Term Indirect Impacts to Special-Status

Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources) would minimize the effect of long-term indirect impacts from the Project's lighting as it would be designed consistent with the requirements of Section 13.30.030(B) of the Santee Municipal Code, which states that lighting shall be shielded, or recessed, and directed downward and away from adjoining properties.

Implementation of MM-BIO-3 (Long-Term Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources) would minimize the effect of long-term indirect impacts to the San Diego River wildlife corridor by requiring measures to ensure runoff is not altered from existing conditions and toxicants are not discharged, preparation of landscaping plans that will emphasize native species and not include species from the California Invasive Plant Council's Invasive Plant Inventory, and incorporation of barriers to prevent unauthorized public access to open space areas associated with the San Diego River corridor. Therefore, long-term indirect impacts to wildlife corridors would be reduced to less than significant with mitigation incorporated.

5.3.5 Impact BIO-5: Local Policies and Ordinances

City of Santee

The City of Santee's Urban Forestry Ordinance contains tree-related policies, regulations, and generally accepted standards for planting, trimming, and removing trees on public property and public rights-of-way (Santee Municipal Code, Section 8.06 [City of Santee 2020]). The ordinance gives the City of Santee control of all trees, shrubs, and other plantings in any street, park, public right-of-way, landscape maintenance district or easement, or other City-owned property. City of Santee staff review of development plans for the City-owned and maintained property would ensure that the proposed landscaping and maintenance requirements conform to the Urban Forestry Ordinance. The proposed site plan would require removal of 109 trees, encroachment upon 24 trees, and preservation of 7 trees. As such, tree replacement would occur at a 1:1 mitigation ratio with 15-gallon trees, as directed by MM-BIO-4. Additionally, measures to minimize damage to the encroachment and preserved trees, as well as recommendations for long-term maintenance and care for trees that will be retained on site, would be included in the Project's Landscape Plan. Therefore, the proposed Project would comply with the Urban Forestry Ordinance, and impacts would be less than significant with mitigation incorporated.

In the Conservation Element of the City of Santee General Plan, biological resources are discussed, and specific objectives and policies are presented (City of Santee 2003). The proposed Project does not conflict with any objectives or policies as presented in the Conservation Element of the Santee General Plan. Therefore, impacts to local policies and ordinances would be less than significant and no mitigation measures are required.

5.3.6 Impact BIO-6: Habitat Conservation Plans

MSCP Plan and Draft Santee MSCP Subarea Plan

The Project site is within the boundaries of the MSCP Plan (City of San Diego 1998). The Draft Santee MSCP Subarea Plan would serve as a Habitat Conservation Plan under the MSCP Plan (City of San Diego 1998) pursuant to Section 10(a)(1)(B) of FESA, and as a Natural Community Conservation Plan pursuant to the California Natural Community Conservation Planning Act of 1991. The Draft Santee MSCP Subarea Plan, once finalized, will contribute to the regional MSCP for preservation, mitigation for impacts, and conservation of sensitive biological resources within San Diego County. The Draft Santee MSCP Subarea Plan is also intended to provide cumulative mitigation for impacts to Covered Species within the City of Santee's jurisdiction, as long as projects are consistent with and

covered by provisions of the Santee MSCP Subarea Plan, and to ensure sufficient biological resources are conserved to assist in the conservation and recovery of Covered Species under the MSCP.

Although the Draft Santee MSCP Subarea Plan has not yet been approved or permitted, it is used as the guidance document for projects occurring within the City of Santee. All Project impacts would occur outside of the Draft Santee MSCP Subarea Plan Preserve area. However, as shown in Figure 1, the Project site is adjacent to Preserve areas associated with the San Diego River corridor as identified in the Draft Santee MSCP Subarea Plan. MM-BIO-1 through MM-BIO-3 are proposed to prevent any indirect impacts to special-status species, sensitive vegetation communities, and/or jurisdictional aquatic resources associated with the San Diego River Preserve. Furthermore, Project implementation would not conflict with the provisions of the MSCP Plan or Draft Santee MSCP Subarea Plan, nor would it prevent the Draft Santee MSCP Subarea Plan from being approved or compromise continued implementation of the MSCP in San Diego County. Therefore, impacts to Habitat Conservation Plans would be less than significant and no mitigation measures are required.

INTENTIONALLY LEFT BLANK

6 Mitigation Measures

MM-BIO-1 Pre-Construction Nesting Bird Survey. Construction within all potential nesting resource areas within the Project site (i.e., non-native woodland areas and ornamental trees) and areas of the Project site within 500 feet of the San Diego River should be avoided during the migratory bird nesting season (typically January 1 through September 30). If construction activities (i.e., grading, tree removal, external construction involving heavy equipment generating noise in excess of 60 dBA [energy equivalent level]) must occur during the bird nesting season, an avian nesting survey of all potential nesting resource areas (e.g., non-native woodland areas and ornamental trees) within the Project site and areas of the San Diego River within 500 feet of all impact areas must be conducted to determine the presence/absence of special-status species, protected migratory birds, and active nests. The avian nesting survey shall be performed by a qualified wildlife biologist within 14 days prior to the start of construction, and one more survey pass shall be conducted within 24 hours of initiation of construction activities in accordance with the Migratory Bird Treaty Act and California Fish and Game Code Sections 3503, 3503.5, and 3513. If construction activities are on hold for more than 30 days, then pre-construction surveys would need to be reinitiated. If an active bird nest is found, the nest shall be flagged and mapped on the construction plans, along with an appropriate buffer established around the nest, which will be determined by the biologist based on the species' sensitivity to disturbance (typically 300 feet for passerines and 500 feet for raptors and special-status species), existing nearby conditions (e.g., natural habitat versus roads or existing noisy activities), existing buffering features (e.g., topography, tall and dense trees, buildings), legal status of species (i.e., listed versus non-listed), general sensitivities of the species (e.g., disturbance tolerant or urban versus not disturbance tolerant), and other variables. The nest area shall be avoided until the nest is vacated and the juveniles have fledged. The nest area shall be demarcated in the field with flagging and stakes or construction fencing. On-site construction monitoring shall also be conducted when an active nest buffer is in place. No Project activities shall encroach into established buffers without the consent of a monitoring biologist. The buffer shall remain in place until it is determined that the nestlings have fledged and the nest is no longer active.

MM-BIO-2 Construction-Related Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources. Prior to approval of grading plans and issuance of a grading permit, construction plans and conditions of approval shall include the following to address potential indirect impacts to special-status species occurring within all suitable habitat associated with the San Diego River corridor (i.e., within 500 feet of the Project site):

- **Biological Monitoring.** A qualified Project biologist approved by the City of Santee shall monitor ground-disturbing and vegetation clearing activities for the duration of the Project to ensure that practicable measures are being employed to avoid incidental disturbance of habitat, species of concern, and other sensitive biological resources outside the Project footprint. Once ground-disturbing and vegetation clearing activities are complete, the Project biologist shall conduct weekly checks to inspect construction fencing and ensure that all applicable requirements from the mitigation measures are being upheld.

- **Worker Environmental Awareness Training.** Prior to grading, a pre-construction meeting shall be required that includes a training session for Project personnel by a qualified biologist. The training shall include (1) a description of the species of concern and its habitats; (2) the general provisions of the applicable regulations pertaining to biological resources, including the Endangered Species Act and the Clean Water Act; (3) the need to adhere to the provisions of the Endangered Species Act, the Clean Water Act, and other applicable regulations; (4) the penalties associated with violating the provisions of the Endangered Species Act, Clean Water Act, and other applicable regulations; (5) the general measures that are being implemented to conserve the species of concern as they relate to the Project; and (6) the access routes to and Project site boundaries within which the Project activities must be accomplished. Additionally, the training shall include the measures and mitigation requirements for the applicable resources. Copies of the mitigation measures and any required permits from the resource agencies shall be made available to construction personnel.
- **Delineation of Property Boundaries.** Before beginning activities that would cause impacts, the contractor shall, in consultation with the biological monitor, clearly delineate the boundaries with fencing, stakes, or flags, consistent with the grading plan, within which the impacts will take place. All impacts outside the fenced, staked, or flagged areas shall be avoided, and all fencing, stakes, and flags shall be maintained until the completion of impacts in that area. In addition, any avoided environmental resources shall be clearly delineated. Prior to implementing construction activities, the biological monitor shall verify that the flagging clearly delineates the construction limits and any sensitive environmental resources to be avoided.
- **Standard Dust Control Measures.** Standard dust control measures as per the San Diego County Air Pollution Control District shall be implemented to reduce impacts on nearby plants and wildlife. Measures include controlling speed to 15 miles per hour or less on unpaved roads, replacing ground cover in disturbed areas as quickly as possible, frequently watering active work sites, installing shaker plates, and suspending excavation and grading operations during periods of high winds.
- **Stormwater Pollution Prevention Plan.** Prior to issuance of a grading permit for construction, the applicant shall submit a Stormwater Pollution Prevention Plan (SWPPP) to the City of Santee that specifies best management practices to prevent all construction pollutants from contacting stormwater, with the intent of keeping sedimentation or any other pollutants from moving off site and into receiving waters. The requirements of the SWPPP shall be incorporated into design specifications and construction contracts. Best management practice categories employed on site shall include erosion control, sediment control, and non-stormwater good housekeeping. Best management practices recommended for the construction phase shall include, but not be limited to, the following:
  - Limiting grading to the minimum area necessary for construction, operation, and decommissioning of the Project.
  - Limiting vegetation disturbance/removal to the maximum extent practicable.
  - Implementing fiber rolls and sandbags around drainage areas and the site perimeter.
  - Stockpiling and disposing of demolition debris, concrete, and soil properly.
  - Installing a stabilized construction entrance/exit and stabilizing disturbed areas.
  - Installing proper protections for fueling and maintaining equipment and vehicles.

- Managing waste, aggressively controlling litter, and implementing sediment controls.
- Stabilizing soil in disturbed areas through revegetation.

The following water quality measures shall be included in the SWPPP:

- Erodible fill material shall not be deposited into water courses. Brush, loose soils, or other similar debris material shall not be stockpiled within the stream channel or on its banks.
- The Project shall be designed to avoid the placement of equipment and personnel within the stream channel or on sand and gravel bars, banks, and adjacent upland habitats used by target species of concern, as feasible. Project activities that cannot be conducted without placing equipment or personnel in sensitive habitats shall be timed to avoid the breeding season of riparian species.
- Water pollution and erosion control plans shall be developed and implemented in accordance with the Regional Water Quality Control Board.
- Minimize Spills of Hazardous Materials. All vehicles and equipment shall be maintained in proper condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials. Hazardous spills shall be immediately cleaned up and the contaminated soil shall be properly handled and disposed of at a licensed facility. Servicing of construction equipment shall take place only at a designated staging area. The staging area will be located on the south side of the Project site, away from the San Diego River, and no stockpiles will be allowed adjacent to the San Diego River corridor.
- Wildlife Hazards. The following measures shall be implemented to ensure that wildlife do not become trapped, entangled, injured, or poisoned by construction activities:
  - Structures in which wildlife may become trapped (e.g.,, open pipes, pits, trenches) shall be tightly covered at the end of each work day. If covering the structure is not possible, an escape ramp shall be provided to allow any wildlife that falls in to safely escape.
  - Debris piles, construction materials, equipment, and other items that may be used as wildlife refuge shall be inspected for wildlife at the start of each work day and prior to disturbance. If wildlife is discovered, it shall either be moved out of harm's way by a qualified biologist or allowed to move off of the Project site on its own.
  - Nets and mesh shall be made of loose weave material that is not fused at the intersections of the weave because nets with welded weaves present an entanglement risk.
  - Toxic materials and garbage shall be removed from the work site and safely stored or disposed of at the end of each work day.
- Invasive Weeds. To reduce the spread of invasive plant species, landscape plants shall not be on the most recent version of the California Invasive Plant Council's Invasive Plant Inventory (http://www.cal-ipc.org/ip/inventory/index.php).
- Night Work. All construction activities shall be conducted during the daytime, and lights shall not be kept on overnight in the construction area, as practicable. If night lighting is required during construction activities, all exterior lighting along undeveloped land shall be fully shielded and directed downward in a manner that will prevent light spillage or glare into the adjacent open space.

MM-BIO-3 Long-Term Indirect Impacts to Special-Status Species, Sensitive Vegetation Communities, and Jurisdictional Aquatic Resources. Prior to approval of grading plans and issuance of a grading permit, construction plans and conditions of approval shall include the following to address potential indirect impacts to special-status species occurring within all suitable habitat associated with the San Diego River corridor (i.e., within 500 feet of the Project site):

- **Runoff:** Future development within 500 feet of suitable habitat for special-status species shall incorporate measures, including measures required through the National Pollutant Discharge Elimination System, to ensure that the quantity and quality of runoff discharged is not altered in an adverse way when compared with existing conditions. In particular, measures, such as an infiltration system designed to capture and treat stormwater pollutants, consistent with commercial/industrial developments and associated parking lots, and including oil, grease, metals, trash, and debris, shall be put in place to avoid discharge of untreated surface runoff from developed and paved areas into open space or suitable habitat for special-status species. Stormwater systems shall be designed to prevent the release of toxins, chemicals, petroleum products, exotic plant materials, or other elements that might degrade or harm biological resources or ecosystem processes. This can be accomplished using a variety of methods, including natural detention basins, grass swales, or mechanical trapping devices. Regular maintenance shall occur to ensure effective operation of runoff control systems.
- **Lighting:** Project lighting would be designed consistent with the requirements of Section 13.30.030(B) of the Santee Municipal Code. Night lighting shall be directed away from open space and/or suitable habitat for special-status species to protect species from direct night lighting. Shielding, including use of light-controlling devices such as light guards, shall be incorporated in Project designs to ensure that ambient lighting is not increased.
- **Invasive Species:** Landscape Plans shall incorporate native species that occur in the region. Invasive, non-native plant species listed on the most recent California Invasive Plant Council's Invasive Plant Inventory (https://www.cal-ipc.org/plants/inventory/) with a rating of moderate or high shall not be included in landscaping.
- **Barriers:** The proposed Project shall incorporate barriers, where appropriate, to minimize unauthorized public access, domestic animal predation, illegal trespass, or dumping in open space and/or suitable habitat for special-status wildlife (e.g., San Diego River corridor). Such barriers may include native landscaping, rocks/boulders, fencing, walls, signage, and/or other appropriate mechanisms.

MM-BIO-4 Tree Replacement, Encroachment, and Preservation. Prior to approval of grading plans and issuance of a grading permit, construction plans, conditions of approval, and the Project's Landscape Plan shall include the following to address tree removal, encroachment into protected zone, and retained trees:

- **Replacement:** The proposed site plan would require removal of 109 trees. Tree replacement shall occur at a 1:1 mitigation ratio with 15-gallon trees and be included in the Project's Landscape Plan, which shall also include recommendations for long-term maintenance and care for regulated trees that will be retained on site.
- **Encroachment into Protected Zone and Retained Trees:** The Project would encroach upon 24 trees and preserve 7 trees. As such, the recommendations provided in the Tree Protection

Measures from the Arborist Report for the Palisade Santee Commerce Center Project (prepared by Dudek in May 2024) designed to mitigate impacts from construction encroachment into the protected zone of the preserved and encroached upon trees shall be implemented. These Tree Protection Measures are consistent with best management practices for tree protection on construction sites and would help minimize impacts to preserved and encroached trees. These measures shall be implemented prior to, during, and following construction. This includes measures such as exclusion fencing and worker training to avoid direct impacts to trees, and measures such as irrigation and monthly inspections by a certified arborist to promote the long-term health of retained trees.

INTENTIONALLY LEFT BLANK

7 References

AOS (American Ornithological Society). 2023. "Check-List of North and Middle American Birds." Accessed April 2023. http://checklist.aou.org/.

CDFW (California Department of Fish and Wildlife). 2023a. California Natural Diversity Database (CNDDB). RareFind 5: Commercial version. CDFW, Biogeographic Data Branch. https://apps.wildlife.ca.gov/rarefind/view/RareFind.aspx.

CDFW. 2023b. "California Natural Communities List." Sacramento, California: CDFW, Vegetation Classification and Mapping Program. June 1, 2023. Accessed July 2023. https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=153398&inline.

City of San Diego. 1998. *Final MSCP Plan*. Prepared by MSCP Policy Committee and MSCP Working Group. San Diego, California: MSCP Policy Committee and MSCP Working Group. August 1998. http://www.sandiegocounty.gov/content/dam/sdc/pds/mscp/docs/SCMSCP/FinalMSCPProgramPlan.pdf.

City of Santee. 2003. *City of Santee General Plan, Chapter 6, Conservation Element*. https://www.cityofsanteeca.gov/home/showpublisheddocument/7199/636336570186700000.

City of Santee. 2023. *Notice of Preparation for the Santee Subarea Plan Program Environmental Impact Report*. March 2023. https://www.cityofsanteeca.gov/home/showpublisheddocument/23374/638156253470070000.

City of Santee. 2020. Santee Municipal Code. https://library.qcode.us/lib/santee_ca/pub/municipal_code/item/title_8-chapter_8_06.

CNPS (California Native Plant Society). 2023. Rare Plant Inventory (online edition, v9-01 1.5). California Native Plant Society, Rare Plant Program. https://rareplants.cnps.org/.

Crother, B.I. 2017. *Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with Comments Regarding Confidence in our Understanding*. 8th ed. Herpetological Circular No. 43. Ed. J.J. Moriarty. Shoreview, Minnesota: Society for the Study of Amphibians and Reptiles.

Dudek. 2024. *Noise Technical Report for the Palisade Santee Commerce Center Project*. Prepared for the North Palisade Partners. March 2024.

Holland, R.F. 1986. *Preliminary Descriptions of the Terrestrial Natural Communities of California.* Nongame-Heritage Program, California Department of Fish and Game. October 1986.

Jepson Flora Project. 2022. Jepson eFlora. Berkeley, California: University of California. Accessed January 2022. http://ucjeps.berkeley.edu/interchange/index.html.

Oberbauer, T., M. Kelly, and J. Buegge. 2008. *Draft Vegetation Communities of San Diego County.* March 2008. http://www.sdcanyonlands.org/pdfs/veg_comm_sdcounty_2008_doc.pdf.

SWRCB (State Water Resources Control Board). 2021. *State Policy for Water Quality Control: State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State*. Adopted April 2, 2019; revised April 6, 2021. https://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/2021/procedures.pdf.

USDA (U.S. Department of Agriculture). 2023. PLANTS Database. USDA Natural Resources Conservation Service. Accessed June 2023. http://plants.usda.gov/java/.

USFWS (U.S. Fish and Wildlife Service). 2001. *Least Bell's Vireo Survey Guidelines*. January 19, 2001. http://treecareforbirds.com/wp-content/uploads/2017/07/LBVireo.2001.protocol.pdf.

Wilson, D.E., and D.M. Reeder, eds. 2005. *Mammal Species of the World: A Taxonomic and Geographic Reference*, 3rd ed. (MSW3 database). http://www.bucknell.edu/msw3/.

SOURCE: SanGIS, Open Street Maps

DUDEK

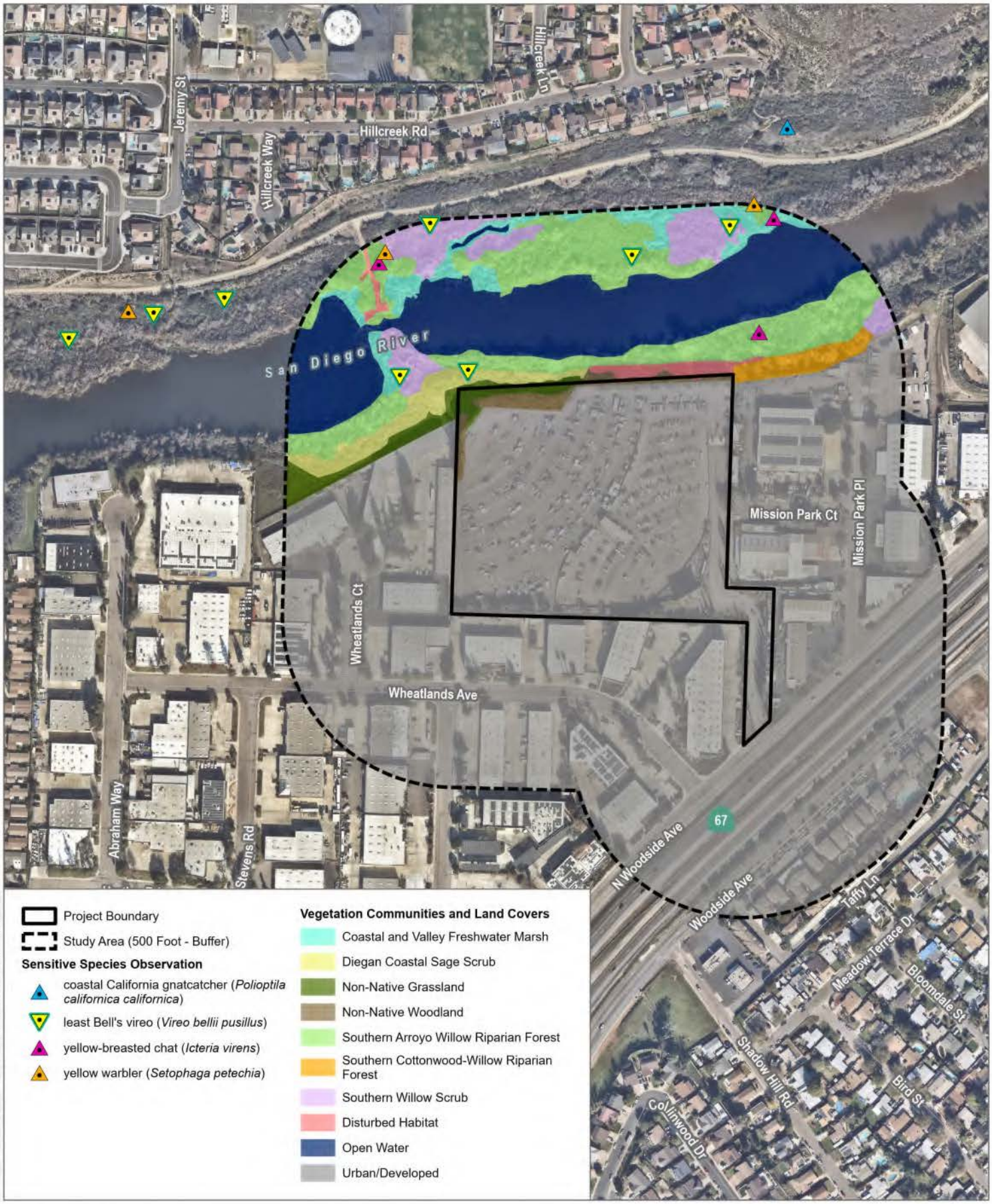
0 250 500 Feet

FIGURE 1

Project Location

Palisades Santee Commerce Center Project

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS, Open Street Maps

DUDEK

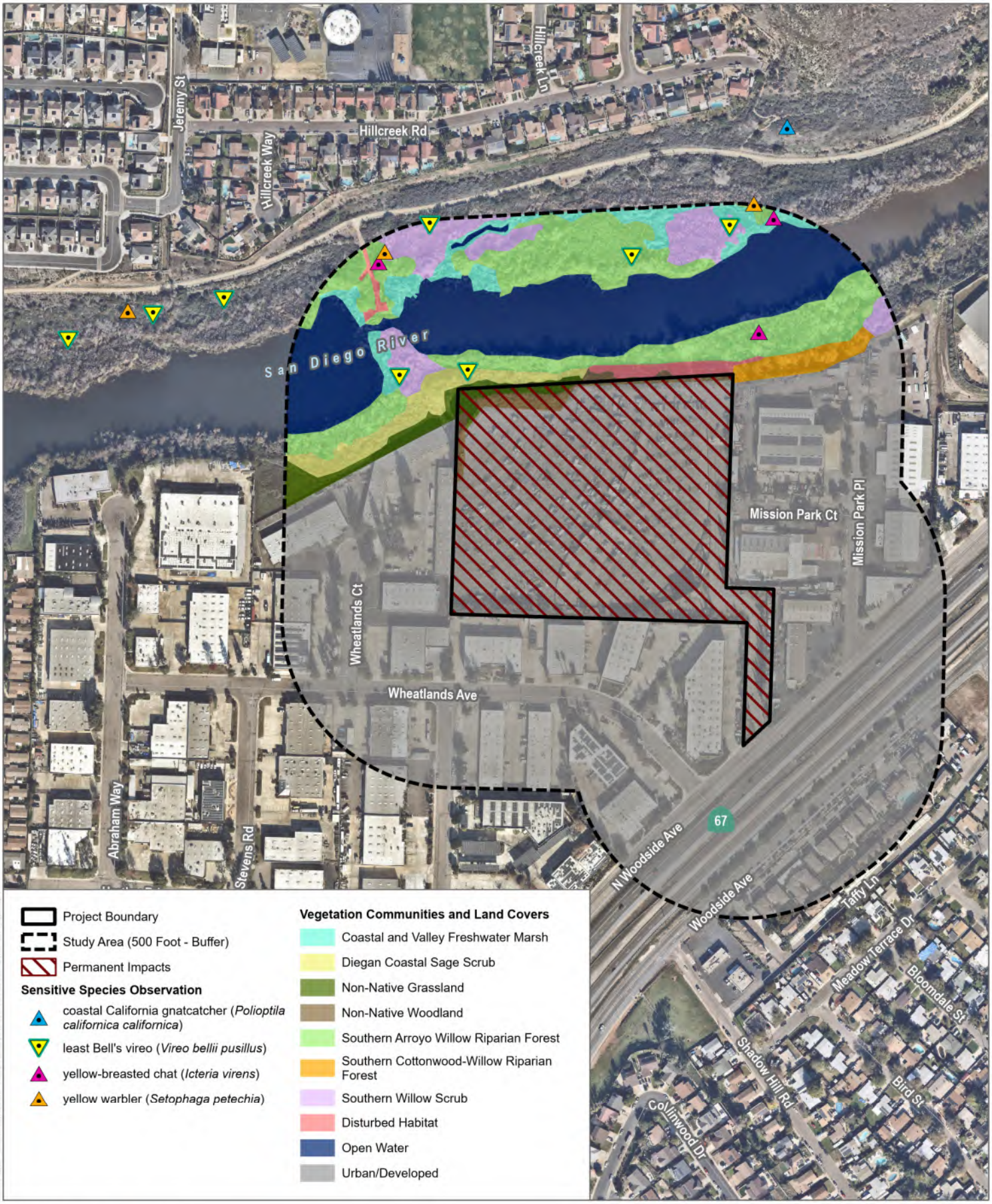
0 100 200 Feet

FIGURE 2

Biological Resources

Palisades Santee Commerce Center Project

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS, Open Street Maps

DUDEK

0 100 200 Feet

FIGURE 3

Impacts

Palisades Santee Commerce Center Project

INTENTIONALLY LEFT BLANK

Appendix A

Plant Species Observed on Site

Plant Species

Vascular Species

Eudicots

ANACARDIACEAE – SUMAC OR CASHEW FAMILY

* *Rhus lancea* – African sumac
* *Schinus molle* – Peruvian peppertree
* *Schinus terebinthifolius* – Brazilian peppertree

ASTERACEAE – SUNFLOWER FAMILY

* *Centaurea melitensis* – Maltese star-thistle

BRASSICACEAE – MUSTARD FAMILY

* *Hirschfeldia incana* – shortpod mustard

FABACEAE – LEGUME FAMILY

* *Acacia* sp. – acacia

MYRTACEAE – MYRTLE FAMILY

* *Eucalyptus cladocalyx* – sugargum
* *Eucalyptus polyanthemos* – redbox
* *Lophostemon confertus* – brisbane box
* *Syzygium paniculatum* – no common name

OLEACEAE – OLIVE FAMILY

* *Olea europaea* – olive

PLATANACEAE – PLANE TREE, SYCAMORE FAMILY

Platanus racemosa – California sycamore

PROTEACEAE – PROTEA FAMILY

* *Grevillea robusta* – silkoak

VIBURNACEAE – MUSKROOT FAMILY

Sambucus mexicana – blue elderberry

Gymnosperms and Gnetophytes

CUPRESSACEAE – CYPRESS FAMILY

* *Cupressus sempervirens* – Italian cypress

Monocots

ARECACEAE – PALM FAMILY

* *Washingtonia robusta* – Washington fan palm

POACEAE – GRASS FAMILY

* *Avena fatua* – wild oat
* *Bromus diandrus* – ripgut brome
* *Bromus rubens* – red brome

* signifies introduced (non-native) species

Appendix B
Wildlife Species Observed on Site

Wildlife Species

Amphibians

Frogs

HYLIDAE – TREEFROGS

Pseudacris hypochondriaca – Baja California treefrog

RANIDAE – TRUE FROGS

* *Lithobates catesbeianus* – American bullfrog

Birds

Blackbirds, Orioles and Allies

ICTERIDAE – BLACKBIRDS

Agelaius phoeniceus – red-winged blackbird

Euphagus cyanocephalus – Brewer's blackbird

Icterus cucullatus – hooded oriole

* *Molothrus ater* – brown-headed cowbird

Bushtits

AEGITHALIDAE – LONG-TAILED TITS AND BUSHTITS

Psaltriparus minimus – bushtit

Cardinals, Grosbeaks and Allies

CARDINALIDAE – CARDINALS AND ALLIES

Pheucticus melanocephalus – black-headed grosbeak

Cormorants

PHALACROCORACIDAE – CORMORANTS

Nannopterum auritus – double-crested cormorant

Finches

FRINGILLIDAE – FRINGILLINE AND CARDUELINE FINCHES AND ALLIES

Haemorhous mexicanus – house finch

Spinus psaltria – lesser goldfinch

Flycatchers

TYRANNIDAE – TYRANT FLYCATCHERS

Myiarchus cinerascens – ash-throated flycatcher
Sayornis nigricans – black phoebe
Tyrannus vociferans – Cassin's kingbird

Grebes

PODICIPEDIDAE – GREBES

Podilymbus podiceps – pied-billed grebe

HAWKS

ACCIPITRIDAE – HAWKS, KITES, EAGLES, AND ALLIES

Accipiter cooperii – Cooper's hawk
Buteo jamaicensis – red-tailed hawk
Buteo lineatus – red-shouldered hawk

Herons and Bitterns

ARDEIDAE – HERONS, BITTERNS, AND ALLIES

Ardea alba – great egret
Egretta thula – snowy egret
Nycticorax nycticorax – black-crowned night-heron

Hummingbirds

TROCHILIDAE – HUMMINGBIRDS

Calypte anna – Anna's hummingbird

Jays, Magpies and Crows

CORVIDAE – CROWS AND JAYS

Corvus brachyrhynchos – American crow

Mockingbirds and Thrashers

MIMIDAE – MOCKINGBIRDS AND THRASHERS

Mimus polyglottos – northern mockingbird

Old World Sparrows

PASSERIDAE – OLD WORLD SPARROWS

* *Passer domesticus* – house sparrow

Old World Warblers and Gnatcatchers

POLIOPTILIDAE – GNATCATCHERS

Polioptila caerulea – blue-gray gnatcatcher

Pigeons and Doves

COLUMBIDAE – PIGEONS AND DOVES

Zenaida macroura – mourning dove

Rails, Gallinules and Coots

RALLIDAE – RAILS, GALLINULES, AND COOTS

Fulica americana – American coot

Silky Flycatchers

PTILOGONATIDAE – SILKY-FLYCATCHERS

Phainopepla nitens – phainopepla

Thrushes

TURDIDAE – THRUSHES

Turdus migratorius – American robin

Vireos

VIREONIDAE – VIREOS

Vireo bellii pusillus – least Bell's vireo

Waterfowl

ANATIDAE – DUCKS, GEESE, AND SWANS

Anas platyrhynchos – mallard

Branta canadensis – Canada goose

Bucephala albeola – bufflehead

Mareca americana – American wigeon

Wood Warblers and Allies

PARULIDAE – WOOD-WARBLERS

Geothlypis trichas – common yellowthroat

Setophaga petechia – yellow warbler

Woodpeckers

PICIDAE – WOODPECKERS AND ALLIES

Dryobates nuttallii – Nuttall's woodpecker

Wrens

TROGLODYTIDAE – WRENS

Troglodytes aedon – house wren

Thryomanes bewickii – Bewick's wren

Waxbills

ESTRILDIDAE – WAXBILLS

* *Lonchura punctulata* – scaly-breasted munia

New World Sparrows

PASSERELLIDAE – NEW WORLD SPARROWS

Melospiza melodia – song sparrow

Melozone crissalis – California towhee

Pipilo maculatus – spotted towhee

Chats

ICTERIIDAE – YELLOW-BREASTED CHAT

icteria virens – yellow-breasted chat

Typical Warblers, Parrotbills, Wrentit

SYLVIIDAE – SYLVIID WARBLERS

Chamaea fasciata – wrentit

Mammals

Hares and Rabbits

LEPORIDAE – HARES AND RABBITS

Sylvilagus bachmani – brush rabbit

Squirrels

SCIURIDAE – SQUIRRELS

Otospermophilus beecheyi – California ground squirrel

Raccoons

PROCYONIDAE – RACCOONS AND RELATIVES

Procyon lotor – northern raccoon

Reptiles

Lizards

PHRYNOSOMATIDAE – IGUANID LIZARDS

Sceloporus occidentalis – western fence lizard

Uta stansburiana – common side-blotched lizard

* signifies introduced (non-native) species

INTENTIONALLY LEFT BLANK

Appendix C

Special-Status Plant Species Potential to Occur

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Acanthomintha ilicifolia	San Diego thorn-mint	FT/SE/1B.1	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; clay, openings/ annual herb/Apr–June/35–3,145	Not expected to occur. No suitable vegetation present.
Acmispon prostratus	Nuttall's acmispon	None/None/1B.1	Coastal dunes, coastal scrub (sandy)/annual herb/Mar–June(July)/0–35	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Adolphia californica	California adelphia	None/None/2B.1	Chaparral, coastal scrub, valley and foothill grassland; clay/perennial deciduous shrub/Dec–May/35–2,425	Not expected to occur. No suitable vegetation present.
Allium marvinii	Yucaipa onion	None/None/1B.2	Chaparral (clay, openings)/perennial bulbiferous herb/Apr–May/2,490–3,490	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Ambrosia chenopodiifolia	San Diego bur-sage	None/None/2B.1	Coastal scrub/perennial shrub/ Apr–June/180–510	Not expected to occur. No suitable vegetation present.
Ambrosia monogyra	singlewhorl burrobrush	None/None/2B.2	Chaparral, Sonoran desert scrub; sandy/perennial shrub/Aug–Nov/35–1,640	Not expected to occur. No suitable vegetation present.
Ambrosia pumila	San Diego ambrosia	FE/None/1B.1	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; alkaline (sometimes), clay (sometimes), disturbed areas (often), loam (sometimes), sandy (sometimes)/ perennial rhizomatous herb/Apr–Oct/ 65–1,360	Not expected to occur. No suitable vegetation present.
Aphanisma blitoides	aphanisma	None/None/1B.2	Coastal bluff scrub, coastal dunes, coastal scrub; gravelly (sometimes), sandy (sometimes)/annual herb/Feb–June/ 5–1,000	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Arctostaphylos glandulosa ssp. *crassifolia*	Del Mar manzanita	FE/None/1B.1	Chaparral (maritime, sandy)/perennial evergreen shrub/June–Apr/0–1,195	Not expected to occur. No suitable vegetation present.
Arctostaphylos otayensis	Otay manzanita	None/None/1B.2	Chaparral, cismontane woodland/perennial evergreen shrub/Jan–Apr/900–5,575	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Artemisia palmeri	San Diego sagewort	None/None/4.2	Chaparral, coastal scrub, riparian forest, riparian scrub, riparian woodland; mesic, sandy/perennial deciduous shrub/ (Feb) May–Sep/15–3,000	Not expected to occur. No suitable vegetation present.
Asplenium vespertinum	western spleenwort	None/None/4.2	Chaparral, cismontane woodland, coastal scrub; rocky/perennial rhizomatous herb/Feb–June/590–3,280	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Astragalus deanei	Dean's milk-vetch	None/None/1B.1	Chaparral, cismontane woodland, coastal scrub, riparian forest/perennial herb/ Feb–May/245–2,280	Not expected to occur. No suitable vegetation present.
Astragalus oocarpus	San Diego milk-vetch	None/None/1B.2	Chaparral (openings), cismontane woodland/ perennial herb/May–Aug/1,000–5,000	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Atriplex coulteri	Coulter's saltbush	None/None/1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland; alkaline (sometimes), clay (sometimes)/perennial herb/Mar–Oct/10–1,505	Not expected to occur. No suitable vegetation present.
Atriplex pacifica	south coast saltscale	None/None/1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, playas/annual herb/Mar–Oct/0–460	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Baccharis vanessae	Encinitas baccharis	FT/SE/1B.1	Chaparral (maritime), cismontane woodland; sandstone/perennial deciduous shrub/ Aug–Nov/195–2,360	Not expected to occur. No suitable vegetation present.
Bergerocactus emoryi	golden-spined cereus	None/None/2B.2	Chaparral, closed-cone coniferous forest, coastal scrub; sandy/perennial stem/ May–June/10–1,295	Not expected to occur. No suitable vegetation present.
Bloomeria clevelandii	San Diego goldenstar	None/None/1B.1	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; clay/perennial bulbiferous herb/Apr–May/165–1,525	Not expected to occur. No suitable vegetation present.
Brodiaea filifolia	thread-leaved brodiaea	FT/SE/1B.1	Chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools; clay (often)/perennial bulbiferous herb/Mar–June/80–3,670	Not expected to occur. No suitable vegetation present.
Brodiaea orcuttii	Orcutt's brodiaea	None/None/1B.1	Chaparral, cismontane woodland, closed-cone coniferous forest, meadows and seeps, valley and foothill grassland, vernal pools; clay, mesic/perennial bulbiferous herb/ May–July/100–5,550	Not expected to occur. No suitable vegetation present.
Calandrinia breweri	Brewer's calandrinia	None/None/4.2	Chaparral, coastal scrub; burned areas, disturbed areas, loam (sometimes), sandy (sometimes)/annual herb/ (Jan) Mar–June/35–4,000	Not expected to occur. No suitable vegetation present.
Calochortus dunnii	Dunn's mariposa-lily	None/SR/1B.2	Chaparral, closed-cone coniferous forest, valley and foothill grassland; gabbroic (sometimes), rocky/perennial bulbiferous herb/(Feb) Apr–June/605–6,000	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Carex obispoensis	San Luis Obispo sedge	None/None/1B.2	Chaparral, closed-cone coniferous forest, coastal prairie, coastal scrub, valley and foothill grassland; clay (often), gabbroic (sometimes), seeps (often), serpentinite (often)/perennial cespitose herb/ Apr–June/35–2,690	Not expected to occur. No suitable vegetation present.
Castilleja plagiotoma	Mojave paintbrush	None/None/4.3	Great Basin scrub (alluvial), Joshua tree "woodland," lower montane coniferous forest, pinyon and juniper woodland/perennial herb (hemiparasitic)/Apr–June/985–8,200	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Ceanothus cyaneus	Lakeside ceanothus	None/None/1B.2	Chaparral, closed-cone coniferous forest/perennial evergreen shrub/ Apr–June/770–2,475	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Ceanothus otayensis	Otay Mountain ceanothus	None/None/1B.2	Chaparral (gabbroic, metavolcanic)/perennial evergreen shrub/Jan–Apr/1,965–3,605	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Ceanothus verrucosus	wart-stemmed ceanothus	None/None/2B.2	Chaparral/perennial evergreen shrub/ Dec–May/5–1,245	Not expected to occur. No suitable vegetation present.
Centromadia pungens ssp. *laevis*	smooth tarplant	None/None/1B.1	Chenopod scrub, meadows and seeps, playas, riparian woodland, valley and foothill grassland; alkaline/annual herb/Apr–Sep/ 0–2,095	Not expected to occur. No suitable vegetation present.
Chloropyron maritimum ssp. *maritimum*	salt marsh bird's-beak	FE/SE/1B.2	Coastal dunes, marshes and swamps (coastal salt)/annual herb (hemiparasitic)/ May–Oct (Nov)/0–100	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Chorizanthe polygonoides var. *longispina*	long-spined spineflower	None/None/1B.2	Chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools; clay (often)/annual herb/ Apr–July/100–5,015	Not expected to occur. No suitable vegetation present.
Clarkia delicata	delicate clarkia	None/None/1B.2	Chaparral, cismontane woodland; gabbroic (often)/annual herb/Apr–June/770–3,280	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Clinopodium chandleri	San Miguel savory	None/None/1B.2	Chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland; gabbroic (sometimes), rocky (sometimes)/perennial shrub/Mar–July/ 395–3,525	Not expected to occur. No suitable vegetation present.
Comarostaphylis *diversifolia* ssp. *diversifolia*	summer holly	None/None/1B.2	Chaparral, cismontane woodland/perennial evergreen shrub/Apr–June/100–2,590	Not expected to occur. No suitable vegetation present.
Convolvulus simulans	small-flowered morning-glory	None/None/4.2	Chaparral (openings), coastal scrub, valley and foothill grassland; clay, seeps, serpentinite/annual herb/ Mar–July/100–2,425	Not expected to occur. No suitable vegetation present.
Corethrogyne filaginifolia var. *incana*	San Diego sand aster	None/None/1B.1	Chaparral, coastal bluff scrub, coastal scrub/perennial herb/June–Sep/10–375	Not expected to occur. No suitable vegetation present.
Cylindropuntia californica var. *californica*	snake cholla	None/None/1B.1	Chaparral, coastal scrub/perennial stem/ Apr–May/100–490	Not expected to occur. No suitable vegetation present.
Deinandra conjugens	Otay tarplant	FT/SE/1B.1	Coastal scrub, valley and foothill grassland; clay/annual herb/(Apr)May–June/80–985	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Deinandra floribunda	Tecate tarplant	None/None/1B.2	Chaparral, coastal scrub/annual herb/ Aug–Oct/230–4,000	Not expected to occur. No suitable vegetation present.
Dicranostegia orcuttiana	Orcutt's bird's-beak	None/None/2B.1	Coastal scrub/annual herb (hemiparasitic)/ (Mar)Apr-July (Sep)/35–1,145	Not expected to occur. No suitable vegetation present.
Dudleya variegata	variegated dudleya	None/None/1B.2	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland, vernal pools; clay/perennial herb/Apr–June/ 10–1,900	Not expected to occur. No suitable vegetation present.
Ericameria palmeri var. *palmeri*	Palmer's goldenbush	None/None/1B.1	Chaparral, coastal scrub; mesic/perennial evergreen shrub/(July)Sep–Nov/100–1,965	Not expected to occur. No suitable vegetation present.
Eriodictyon sessilifolium	sessile-leaved yerba santa	None/None/2B.1	Coastal scrub; volcanic/perennial shrub/July/560–560	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Eriogonum evanidum	vanishing wild buckwheat	None/None/1B.1	Chaparral, cismontane woodland, lower montane coniferous forest, pinyon and juniper woodland; gravelly (sometimes), sandy (sometimes)/annual herb/ July–Oct/3,605–7,295	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Eryngium aristulatum var. *parishii*	San Diego button-celery	FE/SE/1B.1	Coastal scrub, valley and foothill grassland, vernal pools; mesic/annual/perennial herb/ Apr–June/65–2,030	Not expected to occur. No suitable vegetation present.
Euphorbia abramsiana	Abrams' spurge	None/None/2B.2	Mojavean desert scrub, Sonoran desert scrub; sandy/annual herb/(Aug)Sep–Nov/-15–4,295	Not expected to occur. No suitable vegetation present.
Euphorbia misera	cliff spurge	None/None/2B.2	Coastal bluff scrub, coastal scrub, Mojavean desert scrub; rocky/perennial shrub/ (Oct)Dec–Aug/35–1,640	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Ferocactus viridescens	San Diego barrel cactus	None/None/2B.1	Chaparral, coastal scrub, valley and foothill grassland, vernal pools/perennial stem/ May–June/10–1,475	Not expected to occur. No suitable vegetation present.
Frankenia palmeri	Palmer's frankenia	None/None/2B.1	Coastal dunes, marshes and swamps (coastal salt), playas/perennial herb/May–July/0–35	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Fraxinus parryi	chaparral ash	None/None/2B.2	Chaparral/perennial shrub/Mar–May/ 700–2,030	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Fremontodendron mexicanum	Mexican flannelbush	FE/SR/1B.1	Chaparral, cismontane woodland, closed-cone coniferous forest; gabbroic, serpentinite/perennial evergreen shrub/ Mar–June/35–2,345	Not expected to occur. No suitable vegetation present.
Galium proliferum	desert bedstraw	None/None/2B.2	Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland; carbonate, rocky/annual herb/ Mar–June/3,900–5,345	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Geothallus tuberosus	Campbell's liverwort	None/None/1B.1	Coastal scrub (mesic), vernal pools/ephemeral liverwort/35–1,965	Not expected to occur. No suitable vegetation present.
Githopsis diffusa ssp. *filicaulis*	Mission Canyon bluecup	None/None/3.1	Chaparral (disturbed areas, mesic)/annual herb/Apr–June/1,475–2,295	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Grindelia hallii	San Diego gumplant	None/None/1B.2	Chaparral, lower montane coniferous forest, meadows and seeps, valley and foothill grassland/perennial herb/ May–Oct/605–5,725	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Harpagonella palmeri	Palmer's grapplinghook	None/None/4.2	Chaparral, coastal scrub, valley and foothill grassland; clay, openings/annual herb/ Mar–May/65–3,130	Not expected to occur. No suitable vegetation present.
Hesperocyparis forbesii	Tecate cypress	None/None/1B.1	Chaparral, closed-cone coniferous forest; clay, gabbroic (sometimes)/perennial evergreen tree/260–4,920	Not expected to occur. No suitable vegetation present.
Heterotheca sessiliflora ssp. *sessiliflora*	beach goldenaster	None/None/1B.1	Chaparral (coastal), coastal dunes, coastal scrub/perennial herb/Mar–Dec/0–4,015	Not expected to occur. No suitable vegetation present.
Holocarpha virgata ssp. *elongata*	graceful tarplant	None/None/4.2	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland/annual herb/May–Nov/195–3,605	Not expected to occur. No suitable vegetation present.
Horkelia truncata	Ramona horkelia	None/None/1B.3	Chaparral, cismontane woodland; clay, gabbroic/perennial herb/ May–June/1,310–4,265	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Isocoma menziesii var. *decumbens*	decumbent goldenbush	None/None/1B.2	Chaparral, coastal scrub (often disturbed areas, sandy)/perennial shrub/Apr–Nov/ 35–820	Not expected to occur. No suitable vegetation present.
Iva hayesiana	San Diego marsh-elder	None/None/2B.2	Marshes and swamps, playas/perennial herb/Apr–Oct/0–1,640	Not expected to occur. No suitable vegetation present.
Juglans californica	Southern California black walnut	None/None/4.2	Chaparral, cismontane woodland, coastal scrub, riparian woodland/perennial deciduous tree/Mar–Aug/165–2,950	Not expected to occur. No suitable vegetation present.
Juncus acutus ssp. *leopoldii*	southwestern spiny rush	None/None/4.2	Coastal dunes (mesic), coastal scrub, marshes and swamps (coastal salt), meadows and seeps (alkaline seeps)/perennial rhizomatous herb/(Mar)May–June/10–2,950	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Lasthenia glabrata ssp. *coulteri*	Coulter's goldfields	None/None/1B.1	Marshes and swamps (coastal salt), playas, vernal pools/annual herb/Feb–June/5–4,000	Not expected to occur. No suitable vegetation present.
Lathyrus splendens	pride-of-California	None/None/4.3	Chaparral/perennial herb/Mar–June/ 655–5,000	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Lepechinia cardiophylla	heart-leaved pitcher sage	None/None/1B.2	Chaparral, cismontane woodland, closed-cone coniferous forest/perennial shrub/ Apr–July/1,705–4,490	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Lepechinia ganderi	Gander's pitcher sage	None/None/1B.3	Chaparral, closed-cone coniferous forest, coastal scrub, valley and foothill grassland; gabbroic (sometimes)/perennial shrub/ June–July/1,000–3,295	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Lepidium virginicum var. *robinsonii*	Robinson's pepper-grass	None/None/4.3	Chaparral, coastal scrub/annual herb/ Jan–July/5–2,900	Not expected to occur. No suitable vegetation present.
Leptosyne maritima	sea dahlia	None/None/2B.2	Coastal bluff scrub, coastal scrub/perennial herb/Mar–May/15–490	Not expected to occur. No suitable vegetation present.
Monardella breweri ssp. *microcephala*	small-headed monardella	None/None/2B.2	Chaparral, cismontane woodland, lower montane coniferous forest; disturbed areas (sometimes), granitic, openings/annual herb/May–Aug/755–3,935	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Monardella hypoleuca ssp. *lanata*	felt-leaved monardella	None/None/1B.2	Chaparral, cismontane woodland/perennial rhizomatous herb/June–Aug/985–5,165	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Monardella viminea	willowy monardella	FE/SE/1B.1	Chaparral, coastal scrub, riparian forest, riparian scrub, riparian woodland; alluvial terraces, washes/perennial herb/ June–Aug/165–740	Not expected to occur. No suitable vegetation present.
Myosurus minimus ssp. *apus*	little mousetail	None/None/3.1	Valley and foothill grassland, vernal pools (alkaline)/annual herb/Mar–June/65–2,095	Not expected to occur. No suitable vegetation present.
Nama stenocarpa	mud nama	None/None/2B.2	Marshes and swamps (lake margins, riverbanks)/annual/perennial herb/ Jan–July/15–1,640	Not expected to occur. No suitable vegetation present.
Navarretia fossalis	spreading navarretia	FT/None/1B.1	Chenopod scrub, marshes and swamps (shallow freshwater), playas, vernal pools/annual herb/Apr–June/100–2,145	Not expected to occur. No suitable vegetation present.
Navarretia prostrata	prostrate vernal pool navarretia	None/None/1B.2	Coastal scrub, meadows and seeps, valley and foothill grassland (alkaline), vernal pools; mesic/annual herb/Apr–July/10–3,965	Not expected to occur. No suitable vegetation present.
Nemacaulis denudata var. *denudata*	coast woolly-heads	None/None/1B.2	Coastal dunes/annual herb/Apr–Sep/0–330	Not expected to occur. No suitable vegetation present.
Nolina interrata	Dehesa nolina	None/SE/1B.1	Chaparral (gabbroic, metavolcanic, serpentinite)/perennial herb/ June–July/605–2,805	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Orcuttia californica	California Orcutt grass	FE/SE/1B.1	Vernal pools/annual herb/ Apr–Aug/50–2,165	Not expected to occur. No suitable vegetation present.
Packera ganderi	Gander's ragwort	None/SR/1B.2	Chaparral (burned areas, gabbroic outcrops)/ perennial herb/Apr–June/1,310–3,935	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Pentachaeta aurea ssp. *aurea*	golden-rayed pentachaeta	None/None/4.2	Chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, riparian woodland, valley and foothill grassland/annual herb/Mar–July/260–6,065	Not expected to occur. No suitable vegetation present.
Piperia cooperi	chaparral rein orchid	None/None/4.2	Chaparral, cismontane woodland, valley and foothill grassland/perennial herb/ Mar–June/50–5,200	Not expected to occur. No suitable vegetation present.
Pogogyne abramsii	San Diego mesa mint	FE/SE/1B.1	Vernal pools/annual herb/ Mar–July/295–655	Not expected to occur. No suitable vegetation present.
Pogogyne nudiuscula	Otay Mesa mint	FE/SE/1B.1	Vernal pools/annual herb/ May–July/295–820	Not expected to occur. No suitable vegetation present.
Pseudognaphalium leucocephalum	white rabbit-tobacco	None/None/2B.2	Chaparral, cismontane woodland, coastal scrub, riparian woodland; gravelly, sandy/perennial herb/(July) Aug–Nov (Dec)/ 0–6,885	Not expected to occur. No suitable vegetation present.
Quercus cedrosensis	Cedros Island oak	None/None/2B.2	Chaparral, closed-cone coniferous forest, coastal scrub/perennial evergreen tree/ Apr–May/835–3,145	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Quercus dumosa	Nuttall's scrub oak	None/None/1B.1	Chaparral, closed-cone coniferous forest, coastal scrub; clay, loam, sandy/perennial evergreen shrub/Feb–Apr (May–Aug)/ 50–1,310	Not expected to occur. No suitable vegetation present.
Quercus engelmannii	Engelmann oak	None/None/4.2	Chaparral, cismontane woodland, riparian woodland, valley and foothill grassland/perennial deciduous tree/ Mar–June/165–4,265	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Ribes canthariforme	Moreno currant	None/None/1B.3	Chaparral, riparian scrub/perennial deciduous shrub/Feb–Apr/1,115–3,935	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Romneya coulteri	Coulter's matilija poppy	None/None/4.2	Chaparral, coastal scrub; burned areas (often)/perennial rhizomatous herb/ Mar–July(Aug)/65–3,935	Not expected to occur. No suitable vegetation present.
Salvia munzii	Munz's sage	None/None/2B.2	Chaparral, coastal scrub/perennial evergreen shrub/Feb–Apr/375–3,490	Not expected to occur. No suitable vegetation present.
Selaginella cinerascens	ashy spike-moss	None/None/4.1	Chaparral, coastal scrub/perennial rhizomatous herb/65–2,095	Not expected to occur. No suitable vegetation present.
Senecio aphanactis	chaparral ragwort	None/None/2B.2	Chaparral, cismontane woodland, coastal scrub; alkaline (sometimes)/annual herb/ Jan–Apr(May)/50–2,620	Not expected to occur. No suitable vegetation present.
Sphaerocarpos drewiae	bottle liverwort	None/None/1B.1	Chaparral, coastal scrub; openings/ ephemeral liverwort/295–1,965	Not expected to occur. No suitable vegetation present.
Stemodia durantifolia	purple stemodia	None/None/2B.1	Sonoran desert scrub (often mesic, sandy)/ perennial herb/(Jan) Apr–Dec/590–985	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Stipa diegoensis	San Diego County needle grass	None/None/4.2	Chaparral, coastal scrub; mesic (often), rocky/ perennial herb/Feb–June/35–2,620	Not expected to occur. No suitable vegetation present.
Streptanthus bernardinus	Laguna Mountains jewelflower	None/None/4.3	Chaparral, lower montane coniferous forest/ perennial herb/May–Aug/2,195–8,200	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Stylocline citroleum	oil neststraw	None/None/1B.1	Chenopod scrub, coastal scrub, valley and foothill grassland; clay/annual herb/ Mar–Apr/165–1,310	Not expected to occur. No suitable vegetation present.
Suaeda esteroa	estuary seablite	None/None/1B.2	Marshes and swamps (coastal salt)/perennial herb/(Jan–May)July–Oct/0–15	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Tetracoccus dioicus	Parry's tetracoccus	None/None/1B.2	Chaparral, coastal scrub/perennial deciduous shrub/Apr–May/540–3,280	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Texosporium sancti-jacobi	woven-spored lichen	None/None/3	Chaparral (openings)/crustose lichen (terricolous)/195–2,165	Not expected to occur. No suitable vegetation present.
Triquetrella californica	coastal triquetrella	None/None/1B.2	Coastal bluff scrub, coastal scrub/moss/ 35–330	Not expected to occur. No suitable vegetation present.
Viguiera laciniata	San Diego County viguiera	None/None/4.3	Chaparral, coastal scrub/perennial shrub/Feb–June(Aug)/195–2,460	Not expected to occur. No suitable vegetation present.
Xanthisma junceum	rush-like bristleweed	None/None/4.3	Chaparral, coastal scrub/perennial herb/ Jan–Oct/785–3,280	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Status Legend
Federal
FE: Federally listed as endangered
FT: Federally listed as threatened
State
SE: State listed as endangered
SR: State listed as rare
CRPR: California Rare Plant Rank
1B: Plants rare, threatened, or endangered in California and elsewhere
2B: Plants rare, threatened, or endangered in California, but more common elsewhere

3: Plants about which more information is needed – A Review List
4: Plants of Limited Distribution – A Watch List

Threat Rank

0.1 – Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
0.2 – Moderately threatened in California (20%–80% occurrences threatened/moderate degree and immediacy of threat)
0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Appendix D

Special-Status Wildlife Species Potential to Occur

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Amphibians				
Anaxyrus californicus	arroyo toad	FE/SSC	Semi-arid areas near washes, sandy riverbanks, riparian areas, palm oasis, Joshua tree, mixed chaparral and sagebrush; stream channels for breeding (typically third order); adjacent stream terraces and uplands for foraging and wintering	Not expected to occur. No suitable vegetation present.
Spea hammondii	western spadefoot	None/SSC	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley–foothill woodlands, pastures, and other agriculture	Not expected to occur. No suitable vegetation present.
Reptiles				
Anniella stebbinsi	southern California legless lizard	None/SSC	Coastal dunes, stabilized dunes, beaches, dry washes, valley–foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and moist sandy or loose, loamy soils	Not expected to occur. No suitable vegetation present.
Arizona elegans occidentalis	California glossy snake	None/SSC	Arid scrub, rocky washes, grasslands, chaparral, open areas with loose soil	Not expected to occur. No suitable vegetation present.
Aspidoscelis hyperythra	orange-throated whiptail	None/WL	Low-elevation coastal scrub, chaparral, and valley–foothill hardwood	Not expected to occur. No suitable vegetation present.
Aspidoscelis tigris stejnegeri	San Diegan tiger whiptail	None/SSC	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	Not expected to occur. No suitable vegetation present.
Chelonia mydas	green sea turtle	FT/None	Shallow waters of lagoons, bays, estuaries, mangroves, eelgrass, and seaweed beds	Not expected to occur. No suitable vegetation present.
Coleonyx variegatus abbotti	San Diego banded gecko	None/SSC	Rocky areas within coastal scrub and chaparral	Not expected to occur. No suitable vegetation present.
Crotalus ruber	red diamondback rattlesnake	None/SSC	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	Not expected to occur. No suitable vegetation present.
Diadophis punctatus similis	San Diego ringneck snake	None/None	Moist habitats, including wet meadows, rocky hillsides, gardens, farmland grassland, chaparral, mixed-conifer forest, and woodland habitats	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Emys marmorata	western pond turtle	None/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Not expected to occur. No suitable vegetation present.
Masticophis fuliginosus	Baja California coachwhip	None/SSC	In California restricted to southern San Diego County, where it is known from grassland and coastal sage scrub; open areas in grassland and coastal sage scrub	Not expected to occur. No suitable vegetation present.
Phrynosoma blainvillii	Blainville's horned lizard	None/SSC	Open areas of sandy soil in valleys, foothills, and semi-arid mountains, including coastal scrub, chaparral, valley–foothill hardwood, conifer, riparian, pine–cypress, juniper, and annual grassland habitats	Not expected to occur. No suitable vegetation present.
Plestiodon skiltonianus interparietalis	Coronado skink	None/WL	Woodlands, grasslands, pine forests, and chaparral; rocky areas near water	Not expected to occur. No suitable vegetation present.
Salvadora hexalepis virgultea	coast patch-nosed snake	None/SSC	Brushy or shrubby vegetation; requires small mammal burrows for refuge and overwintering sites	Not expected to occur. No suitable vegetation present.
Thamnophis hammondii	two-striped gartersnake	None/SSC	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	Not expected to occur. No suitable vegetation present.
Birds				
Accipiter cooperii (nesting)	Cooper's hawk	None/WL	Nests and forages in dense stands of live oak, riparian woodlands, or other woodland habitats often near water	Not expected to occur. No suitable vegetation present.
Agelaius tricolor (nesting colony)	tricolored blackbird	BCC/SSC, ST	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture	Not expected to occur. No suitable vegetation present.
Aimophila ruficeps canescens	Southern California rufous-crowned sparrow	None/WL	Nests and forages in open coastal scrub and chaparral with low cover of scattered scrub interspersed with rocky and grassy patches	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Ammodramus savannarum (nesting)	grasshopper sparrow	None/SSC	Nests and forages in moderately open grassland with tall forbs or scattered shrubs used for perches	Not expected to occur. No suitable vegetation present.
Aquila chrysaetos (nesting and wintering)	golden eagle	None/FP, WL	Nests and winters in hilly, open/semi-open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats	Not expected to occur. No suitable vegetation present.
Artemisiospiza belli belli	Bell's sage sparrow	None/WL	Nests and forages in coastal scrub and dry chaparral; typically in large, unfragmented patches dominated by chamise; nests in more dense patches but uses more open habitat in winter	Not expected to occur. No suitable vegetation present.
Athene cunicularia (burrow sites and some wintering sites)	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Not expected to occur. No suitable vegetation present.
Buteo swainsoni (nesting)	Swainson's hawk	None/ST	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	Not expected to occur. No suitable vegetation present.
Campylorhynchus brunneicapillus sandiegensis (San Diego and Orange Counties only)	coastal cactus wren	None/SSC	Southern cactus scrub patches	Not expected to occur. No suitable vegetation present.
Charadrius nivosus nivosus (nesting)	western snowy plover	FT, BCC/SSC	On coasts nests on sandy marine and estuarine shores; in the interior nests on sandy, barren or sparsely vegetated flats near saline or alkaline lakes, reservoirs, and ponds	Not expected to occur. No suitable vegetation present.
Coccyzus americanus occidentalis (nesting)	western yellow-billed cuckoo	FT/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Coturnicops noveboracensis	yellow rail	BCC/SSC	Nesting requires wet marsh/sedge meadows or coastal marshes with wet soil and shallow, standing water	Not expected to occur. No suitable vegetation present.
Elanus leucurus (nesting)	white-tailed kite	None/FP	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	Not expected to occur. No suitable vegetation present.
Empidonax traillii extimus (nesting)	southwestern willow flycatcher	FE/SE	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	Not expected to occur. No suitable vegetation present.
Eremophila alpestris actia	California horned lark	None/WL	This subspecies of horned lark occurs on the state's southern and central coastal slope and in the San Joaquin Valley; nests and forages in grasslands, disturbed lands, agriculture, and beaches	Not expected to occur. No suitable vegetation present.
Falco mexicanus (nesting)	prairie falcon	None/WL	Forages in grassland, savanna, rangeland, agriculture, desert scrub, alpine meadows; nests on cliffs or bluffs	Not expected to occur. No suitable vegetation present.
Icteria virens (nesting)	yellow-breasted chat	None/SSC	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	Not expected to occur. No suitable vegetation present.
Ixobrychus exilis (nesting)	least bittern	None/SSC	Nests in freshwater and brackish marshes with dense, tall growth of aquatic and semi-aquatic vegetation	Not expected to occur. No suitable vegetation present.
Laterallus jamaicensis coturniculus	California black rail	None/FP, ST	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	Not expected to occur. No suitable vegetation present.
Pandion haliaetus (nesting)	osprey	None/WL	Large waters (lakes, reservoirs, rivers) supporting fish; usually near forest habitats, but widely observed along the coast	Not expected to occur. No suitable vegetation present.
Passerculus sandwichensis beldingi	Belding's savannah sparrow	BCC/SE	Nests and forages in coastal saltmarsh dominated by pickleweed (*Salicornia* spp.)	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Polioptila californica californica	coastal California gnatcatcher	FT/SSC	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	Not expected to occur. No suitable vegetation present.
Rallus obsoletus levipes	Ridgway's rail	FE/FP, SE	Coastal wetlands, brackish areas, coastal saline emergent wetlands	Not expected to occur. No suitable vegetation present.
Setophaga petechia (nesting)	yellow warbler	None/SSC	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	Not expected to occur. No suitable vegetation present.
Sternula antillarum browni (nesting colony)	California least tern	FE/FP, SE	Forages in shallow estuaries and lagoons; nests on sandy beaches or exposed tidal flats	Not expected to occur. No suitable vegetation present.
Vireo bellii pusillus (nesting)	least Bell's vireo	FE/SE	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	Not expected to occur. No suitable vegetation present.
Nannopterum auritum (nesting colony)	double-crested cormorant	None/WL	Nests in riparian trees near ponds, lakes, artificial impoundments, slow-moving rivers, lagoons, estuaries, and open coastlines; winter habitat includes lakes, rivers, and coastal areas	Not expected to occur. No suitable vegetation present.
Mammals				
Aeorestes cinereus	northern hoary bat	None/None	Forest, woodland riparian, and wetland habitats; also juniper scrub, riparian forest, and desert scrub in arid areas; roosts in tree foliage and sometimes cavities, such as woodpecker holes	Not expected to occur. No suitable vegetation present.
Antrozous pallidus	pallid bat	None/SSC	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in trees and human-built structures	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Chaetodipus californicus femoralis	Dulzura pocket mouse	None/SSC	Open habitat, coastal scrub, chaparral, oak woodland, chamise chaparral, mixed-conifer habitats; disturbance specialist; 0 to 3,000 feet above mean sea level	Not expected to occur. No suitable vegetation present.
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	None/SSC	Coastal scrub, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent shrub, pinyon–juniper, and annual grassland	Not expected to occur. No suitable vegetation present.
Choeronycteris mexicana	Mexican long-tongued bat	None/SSC	Desert and montane riparian, desert succulent scrub, desert scrub, and pinyon–juniper woodland; roosts in caves, mines, and buildings	Not expected to occur. No suitable vegetation present.
Corynorhinus townsendii	Townsend's big-eared bat	None/SSC	Mesic habitats characterized by coniferous and deciduous forests and riparian habitat, but also xeric areas; roosts in limestone caves and lava tubes, human-built structures, and tunnels	Not expected to occur. No suitable vegetation present.
Dasypterus xanthinus	western yellow bat	None/SSC	Valley–foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms	Not expected to occur. No suitable vegetation present.
Eumops perotis californicus	western mastiff bat	None/SSC	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	Not expected to occur. No suitable vegetation present.
Lepus californicus bennettii	San Diego black-tailed jackrabbit	None/None	Arid habitats with open ground; grasslands, coastal scrub, agriculture, disturbed areas, and rangelands	Not expected to occur. No suitable vegetation present.
Myotis ciliolabrum	western small-footed myotis	None/None	Arid woodlands and shrublands, but near water; roosts in caves, crevices, mines, abandoned buildings	Not expected to occur. No suitable vegetation present.
Myotis evotis	long-eared myotis	None/None	Brush, woodland, and forest habitats from sea level to 9,000 feet above mean sea level; prefers coniferous habitats; forages along habitat edges, in open habitats, and over water; roosts in buildings, crevices, under bark, and snags; uses caves as night roosts	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Myotis yumanensis	Yuma myotis	None/None	Riparian, arid scrublands and deserts, and forests associated with water (streams, rivers, tinajas); roosts in bridges, buildings, cliff crevices, caves, mines, and trees	Not expected to occur. No suitable vegetation present.
Neotoma lepida intermedia	San Diego desert woodrat	None/SSC	Coastal scrub, desert scrub, chaparral, cacti, rocky areas	Not expected to occur. No suitable vegetation present.
Nyctinomops femorosaccus	pocketed free-tailed bat	None/SSC	Pinyon–juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oases; roosts in high cliffs or rock outcrops with drop-offs, caverns, and buildings	Not expected to occur. No suitable vegetation present.
Nyctinomops macrotis	big free-tailed bat	None/SSC	Rocky areas; roosts in caves, holes in trees, buildings, and crevices on cliffs and rocky outcrops; forages over water	Not expected to occur. No suitable vegetation present.
Taxidea taxus	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	Not expected to occur. No suitable vegetation present.
Lasiurus frantzii	western red bat	None/SSC	Forest, woodland, riparian, mesquite bosque, and orchards, including fig, apricot, peach, pear, almond, walnut, and orange; roosts in tree canopy	Not expected to occur. No suitable vegetation present.
Invertebrates				
Bombus crotchii	Crotch bumble bee	None/SCE	Open grassland and scrub communities supporting suitable floral resources	Not expected to occur. No suitable vegetation present.
Branchinecta sandiegonensis	San Diego fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. No suitable vegetation present.
Callophrys thornei	Thorne's hairstreak	None/None	Interior cypress woodland dominated by host plant *Hesperocyparis forbesii* (Tecate cypress)	Not expected to occur. No suitable vegetation present.
Carolella busckana	Busck's gallmoth	None/None	Coastal scrub dunes	Not expected to occur. No suitable vegetation present.
Cicindela gabbii	western tidal-flat tiger beetle	None/None	Inhabits estuaries and mudflats along the coast of Southern California	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Deltaspis ivae	marsh-elder long-horned beetle	None/None	Found in a few scattered locations in San Diego and Riverside Counties; larva breeds in San Diego marsh-elder (*Iva hayesiana*) root collars	Not expected to occur. No suitable vegetation present.
Euphydryas editha quino	Quino checkerspot butterfly	FE/None	Annual forblands, grassland, open coastal scrub and chaparral; often soils with cryptogamic crusts and fine-textured clay; host plants include *Plantago erecta*, P. *patagonica*, and *Antirrhinum coulterianum*, among others	Not expected to occur. No suitable vegetation present.
Lycaena hermes	Hermes copper	FT/None	Mixed woodlands, chaparral, and coastal scrub	Not expected to occur. No suitable vegetation present.
Streptocephalus woottoni	Riverside fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. No suitable vegetation present.
Cicindela latesignata	western beach tiger beetle	None/None	Mudflats and beaches in coastal Southern California	Not expected to occur. No suitable vegetation present.
Danaus plexippus plexippus pop. 1	monarch – California overwintering population	FC/None	Wind-protected tree groves with nectar sources and nearby water sources	Not expected to occur. No suitable vegetation present.

Status Legend
Federal
BCC: U.S. Fish and Wildlife Service—Bird of Conservation Concern
FC: Candidate for federal listing as threatened or endangered
FE: Federally listed as endangered
FT: Federally listed as threatened
State
FP: California Department of Fish and Wildlife Fully Protected species
SCE: State candidate for listing as endangered
SE: State listed as endangered
SSC: California Species of Special Concern
ST: State listed as threatened
WL: CDFW Watch List species

Appendix D
Arborist Report

Arborist Report for the Palisade Santee Commerce Center Project

10990 North Woodside Avenue, City of Santee, California

MAY 2024

Prepared for:

NORTH PALISADE PARTNERS, LLC
1330 Factory Place, Suite 105
Los Angeles, California 90013
Contact: William Jacobs

Prepared by:

DUDEK

605 Third Street
Encinitas, California 92024
Contact: Christopher J. Kallstrand
ISA Certified Arborist

Printed on 30% post-consumer recycled material.

Table of Contents

SECTION **PAGE NO.**

Acronyms and Abbreviations iii

1 Introduction 5
- 1.1 Summary 5
- 1.2 Assignment 6
- 1.3 Project Description 6
- 1.4 Location/Setting 6

2 Methods 10
- 2.1 Field Tree Inventory and Evaluation 10
- 2.2 Tree Impact Analysis 11
- 2.3 Scope of Work Limitations 11

3 Findings/Results 12
- 3.1 Inventory Summary 12
- 3.2 Project-Related Impacts 12

4 Mitigation and Management Recommendations 14
- 4.1 Mitigation Recommendations 14

5 Disclosure 15

6 References 17

TABLES

Table 1. Summary of Existing Trees 12
Table 2. Summary of Protected Tree Impact Determinations 13

FIGURES

Figure 1 Regional Map 8

APPENDICES

A Tree Location Exhibit
B Tree Impact Exhibit
C Tree Inforation Matirx
D Proposed Landscape Plan
E Tree Protection Measures

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
City	City of Santee
ISA	International Society of Arboriculture
Project	Palisade Santee Commerce Center

INTENTIONALLY LEFT BLANK

1 Introduction

This report summarizes Dudek's evaluation and analysis of tree resources within the tree survey area at the proposed Palisade Santee Commerce Center Project (project) site, located at 10990 N. Woodside Ave. in Santee, CA 92701 (APN 381-070-52-00). The project site is in the City of Santee, California (see Figure 1, Project Location) The site is on the existing Santee Drive In Theatre property and is surrounded by industrial uses on the east, west, and south and the San Diego River to the north. Access is provided via a single access road that extends to N. Woodside Ave. The project site is located within Township 15S, Range 12 West, of the San Bernardino U.S. Geological Survey 7.5-minute quadrangle map (Figure 1); the approximate centroid of the site is longitude 116°57'34.13"W and latitude 32°50'53.57"N.

The field inventory and assessments of the survey area's trees (development footprint) were conducted on March 9, 2023. The focus of Dudek's field evaluations was to identify and inventory all on-site trees that are subject to regulation by the City of Santee's Municipal Code that could be affected by the proposed development per the site plan. This report includes a discussion of tree inventory, evaluation and analysis methods, a summary of findings, identification of anticipated impacts, and tree protection and tree impact mitigation recommendations consistent with the City of Santee's Municipal Code and the tree removal permit process specified therein.

The City of Santee (City) requires a permit to trim, prune, cut, break, deface, destroy, burn or remove any tree, hedge or shrub from any City-owned public property or from a public highway.

The analysis of potential tree impacts in this report considers the requirements outlined in the appropriate sections of the City of Santee Municipal Code (Chapter 8.06 – Urban Forestry). In total, 140 trees were inventoried on and immediately adjacent to the proposed project site, all of which are located on private property. The proposed project would result in the removal of 109 private trees, encroachment of 24 trees, and preservation of seven trees with no impacts.

1.1 Summary

The field survey recorded 140 trees within the survey area, none of which are subject to regulation under the City of Santee Municipal Code. Trees identified within the survey area consisted of two native trees (one *Coast Live Oak (Quercus agrifolia) and one western sycamore (Platanus racemosa*)) and 138 non-native trees. The inventoried tree locations are depicted in Appendix A. The proposed project tree impacts are depicted in Appendix B.

Based on an evaluation of the most current project site plan, the project disturbance area is focused on the existing drive-in movie theater and its associated infrastructure. Construction of the proposed project is expected to require removal of 109 private trees. Furthermore, the protected zone of up to 24 trees would be encroached upon as a result of proposed grading and construction. The remaining seven trees would be preserved in place.

The City's municipal ordinance does not define a tree replacement ratio requirement. As such, the tree replacement recommendations contained herein propose a minimum 1:1 mitigation ratio with 15-gallon trees and recommendations for long-term maintenance and care for regulated trees that will be retained on site.

Based on the recommended 1:1 replacement ratio, Dudek recommends planting a minimum of 109 trees on site to mitigate for the anticipated removal of 109 trees. Species composition of the planted trees should be consistent of species appropriate for the region and planting location.

1.2 Assignment

Dudek's International Society of Arboriculture (ISA) Certified Arborists performed the following tasks:

- Assessed and inventoried all trees with protected zones within the survey area (based on project site plan) and documented species, general health, general structural condition, size, appearance, and presence of pests.
- Mapped the location of regulated oak and landmark trees on surveyed site base data and used GPS technology, as necessary, to develop a tree location exhibit and for planning reference.
- Prepared a tree information matrix that details the attributes of each regulated tree and identifies the species and landmark status.
- Analyzed tree attribute data and coordinated with the project design team to promote tree retention on site, to the maximum extent practicable.
- Evaluated tree impacts based on the project site plans.
- Prepared this report to document the results of field surveys and impact analyses and provide recommendations for tree protection and impact mitigation measures per the provisions of the City of Santee Municipal Code tree preservation requirements.

1.3 Project Description

North Palisade Partners (Applicant) proposes demolition of the existing Santee drive-in theatre for construction of a warehouse building equaling 291,290 SF, including a total of 10,000 SF of office use (5,000 SF of office mezzanines), associated truck loading docks (up to 42 Dock-Hi doors), employee parking, landscaping, access road widening and improvements, and frontage improvements on N Woodside Avenue. The proposed project includes tree, shrub, and groundcover landscaping throughout the post development landscape, which will include the planting of 213 trees based upon the March 2024 landscape plan. The proposed project would conform with the site's existing designation and zoning (General Plan designation for the site is Light Industrial-IL and zoning is Light Industrial District-IL).

1.4 Location/Setting

The project site is located at 10990 N. Woodside Ave., Santee, CA 92701 (APN 381-070-52-00) (Figure 1, project location). The site is on Santee Drive In Theatre property and is surrounded by industrial uses on the east, west, and south and the San Diego River to the north (Figure 1). Access is provided via a single access road that extends to N. Woodside Ave.

INTENTIONALLY LEFT BLANK

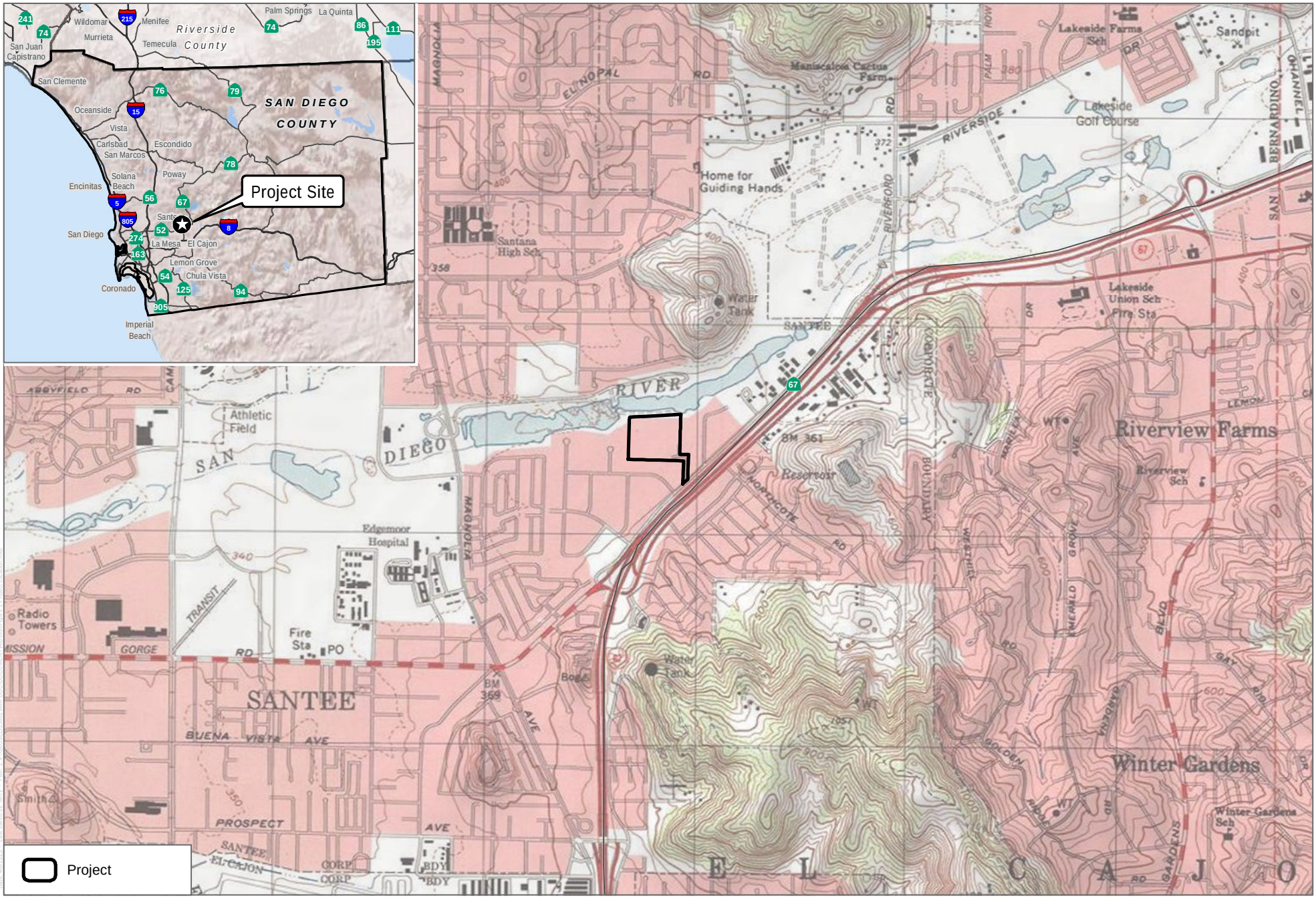


FIGURE 1

Project Location

Arborist Report for the Palisade Santee Commerce Center Project

DUDEK

INTENTIONALLY LEFT BLANK

2 Methods

The following sections describe the methods used by Dudek's ISA Certified Arborists to inventory and evaluate trees in the tree survey area.

2.1 Field Tree Inventory and Evaluation

Dudek's ISA Certified Arborists Katrina Burritt (#WE-10771A) and Chris Kallstrand (#WE-82087A) conducted the following tree inventory and evaluation:

- March 9, 2023 – Tree inventory and evaluation to document tree locations and attribute information for all trees within the survey area.

The arborists examined trees that would be disturbed by the proposed development and mapped protection zones. Tree attribute data collected during the field survey included species, trunk diameter and circumference, tree height, canopy spread, general health condition, structural condition, and presences of observable pests or other tree maladies. Trunk diameters were measured using a diameter tape, which provides adjusted numbers for diameter measurements when wrapping the tape around the circumference of a tree trunk. Diameter measurements were collected using standard protocol described by the Council of Tree and Landscape Appraisers in its Guide for Plant Appraisal (ISA 2000), published by the ISA, and per guidance given in the City's Municipal Code.

Trunk diameter and circumference measurements were taken at 4.5 feet above the ground along the trunk axis, with a few common exceptions. In cases where the trunk of a tree split into multiple stems at approximately 4.5 feet above the ground, the measurement was made at the location that best represented the trunk's diameter. Tree height measurements were estimated by the arborist, and tree canopy radius measurements were documented by "pacing-off" the measurement based on the arborist's knowledge of their stride length or visually estimating the canopy width.

Pursuant to the Guide for Plant Appraisal (ISA 2000), tree health and structure were evaluated with respect to five distinct tree components: roots, trunk, scaffold branches, small branches, and foliage. Health and structure were graded as *good*, *good/fair*, *fair*, *fair/poor*, or *poor*. Good condition trees exhibit acceptable vigor, healthy foliage, minor if any structural issues, and no apparent maladies. Fair condition trees are typical, with few maladies, moderate structural issues, and may exhibit less vigor in foliage and new growth. Trees assigned a poor condition rating exhibit significant health or structural problems or damage.

The location of each individual tree was mapped using a Trimble Pathfinder Pro XH GPS receiver. The Pathfinder has a horizontal accuracy of 1-meter (1-sigma) using differential code positioning techniques. Because tree canopies can sometimes cause loss of satellite lock by blocking the line-of-sight to satellites, an electronic compass and reflectorless electronic distance measuring (EDM) device was also used in mapping tree locations. The EDM/compass combination operates in concert with the Pathfinder system to position offsets, and offset information is automatically attached to the GPS position data string. Dudek used the data collected to create a master tree inventory data set, inclusive of all trees within the tree survey area.

Individual tree locations are presented in Appendix A, Tree Location Exhibit, and individual tree attribute data and impact determination is presented in Appendices B, Tree Impact Exhibit, and Appendix C, Tree Information Matrix.

2.2 Tree Impact Analysis

Following data collection, processing, and analysis efforts, an impact determination was made for each tree based on proximity to the proposed disturbance area. Impact determinations used in this report are as follows:

- Not Impacted (tree not affected by project)
- Removal (tree to be removed)
- Encroachment (project disturbance would occur within the protected zone of the tree)

A summary of project-related tree impacts is presented in Section 3.2, Project-Related Impacts, and impact determination status for each tree recorded in the tree survey area is provided in Appendix C.

2.3 Scope of Work Limitations

This report presents tree information as observed in the field. No root crown excavations or investigations, internal probing, or aerial canopy inspections were performed during the tree assessment. Therefore, the presence or absence of internal decay or other hidden or inaccessible inferiorities in individual trees could not be confirmed.

3 Findings/Results

3.1 Inventory Summary

Dudek's arborist recorded 140 trees with protected zones on the proposed project site. Of the 140 trees found on the proposed project all 140 are located on private property. Table 1 provides a summary of the species and regulatory status of the trees mapped within the tree survey area.

Table 1. Summary of Existing Trees

Scientific Name	Common Name	Tree Quantities
Cupressus sempervirens	Italian cypress	24
Eucalyptus cladocalyx	Sugar gum eucalyptus	15
Eucalyptus polyanthemos	Silver-dollar gum	17
Grevillea robusta	Silk oak	4
Lophostemon confertus	Brisbane box	8
Olea europaea	Olive	1
Platanus racemosa	Western sycamore	1
Quercus agrifolia	Coast live oak	1
Rhus lancea	African sumac	24
Sambucus nigra	Mexican elderberry	3
Schinus molle	Peruvian pepper	28
Schinus terebinthifolius	Brazillian pepper	2
Syzygium paniculatum	Bush cherry	1
Washingtonia robusta	Mexican fan palm	11
	Total	**140**

As presented in Appendix C, 80 (57.14%) of the trees exhibit good (Rating B) health, 59 (42.14%) of the trees exhibit fair (Rating C) health, and 1 (0.71%) of the trees exhibited poor (Rating D) health. Thirty-one trees (22.14%) trees have good (Rating B) structure, 107 (76.43%) trees exhibit fair (Rating C) structure, and 2 (1.43%) trees have poor (Rating D) structure.

Trees in the tree survey area vary in size and stature according to species. Tree diameters range from 1 inch to 40 inches. Tree heights vary from 15 feet to 50 feet. Tree canopy extents range from 5 feet to 45 feet at their widest location. Individual attributes of each tree are presented in Appendix C, Tree Information Matrix.

3.2 Project-Related Impacts

There is wide variation in tolerance to construction impacts among tree species, and the response of an individual tree to impacts also varies with age and condition. Impacts assessed for this project include trees with protected zones within the proposed improvement and disturbance areas as defined in the project site plan. The impact

discussion in this section identifies all impacts anticipated to result to regulated trees based on an evaluation of tree locations compared with the project site plan. Much of the survey area will be graded to accommodate construction of the project and necessary infrastructure (e.g., utilities, access roads, fire lanes). Trees identified for retention and removal are graphically presented in the Tree Impact Exhibit (Appendix B).

Based on grading and development plans for the proposed project, it is estimated that 109 private trees will be removed. Project disturbance is expected to encroach on the protected zone of 24 private trees. The project would result in no direct impacts to seven trees that would remain in place with no impacts.

Table 2 summarizes impact determinations for trees within the tree survey area.

Table 2. Summary of Protected Tree Impact Determinations

Species	Impact Determination			Total
	Removal	Encroachment	No Impact	
African sumac	24	-	-	24
Brazillian pepper	2	-	-	2
Brisbane box	-	7	1	8
Brush cherry	*1*	-	-	*1*
Coast live oak	-	-	1	1
Italian cypress	24	-	-	24
Mexican elderberry	3	-	-	3
Mexican fan palm	4	6	1	11
Olive	1	-	-	1
Peruvian pepper	28	-	-	28
Silk oak	4	-	-	4
Silver dollar gum	17	-	-	17
Sugar gum	-	11	4	15
Western sycamore	1	-	-	1
Total Trees	**109**	**24**	**7**	**140**

4 Mitigation and Management Recommendations

4.1 Mitigation Recommendations

Removals

The City's municipal ordinance does not define a tree replacement ratio requirement. As such, the tree replacement recommendations contained herein propose a minimum 1:1 mitigation ratio with 15-gallon trees and recommendations for long-term maintenance and care for regulated trees that will be retained on site.

The proposed site plan would require removal of 109 trees, encroachment upon 24 trees, and preservation of seven trees. Based on the recommended 1:1 mitigation ratio, Dudek recommends planting a minimum of 109 15-gallon mitigation trees. Based upon a review of the proposed landscape plan (March 2024) , a total of 213 trees would be planted in post construction landscape. The total number of proposed tree plantings exceed the recommend replacement ratio of 1:1, resulting in a mitigation ratio of nearly 2:1. A copy of the site's proposed landscape plan can be found in Appendix D, Proposed Landscape Plan.

Encroachment into Protected Zone and Retained Trees

As previously stated, the project will encroach up and preserve seven trees. As such, in an effort to minimize damage to the encroachment and preserved trees, *Appendix E provides tree protection recommendations* provides reccomendations to mitigate impacts from construction encroachment into the protected zone of the preserved and encroached up trees. The measures included in Appendix E are consistent with Best Management Practices for tree protection on construction sites and would help minimize impacts to preserved and encroached trees. Appendix E includes measures to implement prior to, during, and following construction. This includes measures such as exclusion fencing and worker training to avoid direct impacts to trees, and measures such as irrigation and monthly inspections by an arborist to promote the long-term health of retained trees. Arborist monitoring during construction when encroachments into tree protection zones would occur is also recommend minimizing root disturbance and determine the best course of actions for root pruning, supplemental irrigation, branch trimming, or other measures that would minimize impacts from ground-disturbing and other potential impactful activities. Please refer to Appendix E for detailed recommendations for trees retained on or adjacent to the project site.

5 Disclosure

This arborist report provides conclusions and recommendations based only on a visual examination of the trees within the tree survey area by ISA Certified Arborists and reasonable reliance on the completeness and accuracy of the information provided to the arborists. The examination did not include subterranean or internal examination of the trees.

Arborists are tree specialists who use their education, knowledge, training, and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near them. Although trees provide many benefits to those who live near them, they also include inherent risks from breakage or failure that can be minimized but not eliminated.

Arborists cannot detect every condition that could possibly lead to the failure of a tree. Trees are living organisms subject to attack by disease, insects, fungi, weather, and other forces of nature, and conditions that lead to failure are often hidden within trees and belowground. There are some inherent risks with trees that cannot be predicted with any degree of certainty, even by a skilled and experienced arborist. Arborists cannot predict acts of nature, including, without limitation, storms of sufficient strength, which can cause an apparently healthy tree to fail. Additionally, arborists cannot guarantee that a tree will be healthy or safe under all circumstances or for any specific period of time. A tree's condition could change over a short or long period of time due to climatic, cultural, or environmental conditions. Further, there is no guarantee or certainty that recommendations or efforts to correct unsafe conditions will prevent future breakage or failure of a tree.

To live or work near trees is to accept some degree of risk. Neither the author of this arborist report nor Dudek assume any responsibility for or will be liable for any claims, losses, or damages for damage to any tree, death or injury to any person, or any loss of or damage to any personal or real property.

INTENTIONALLY LEFT BLANK

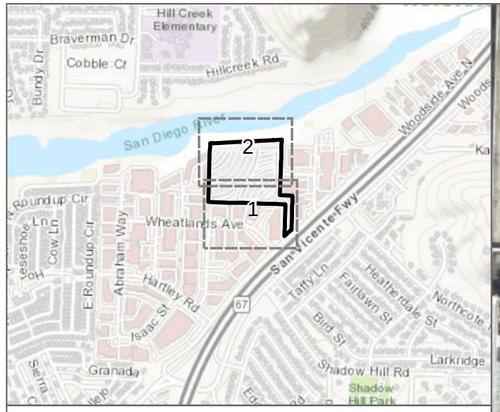
6 References

ISA (International Society of Arboriculture). 2000. *Guide for Plant Appraisal* (9th Edition).

INTENTIONALLY LEFT BLANK

Appendix A

Tree Location Exhibit



Project Boundary

Species

- *Cupressus sempervirens*, Italian cypress
- *Eucalyptus cladocalyx*, Sugar Gum
- *Eucalyptus polyanthemos*, Silver-dollar gum
- *Grevillea robusta*, Silk oak
- *Lophostemon confertus*, Brisbane box
- *Olea europaea*, Olive
- *Platanus racemosa*, Western Sycamore
- *Quercus agrifolia*, Coast Live Oak
- *Rhus lancea*, African sumac
- *Sambucus nigra*, Mexican elderberry
- *Schinus molle*, Peruvian pepper
- *Schinus terebinthifolius*, Brazilian Pepper
- *Syzygium paniculatum*, Brush Cherry
- *Washingtonia robusta*, Mexican Fan Palm

WHEATLANDS AV

WHEATLANDS RD

N WOODSIDE AV

SR-67 SB

SOURCE: SOURCE: AERIAL-SANGIS IMAGERY 2020

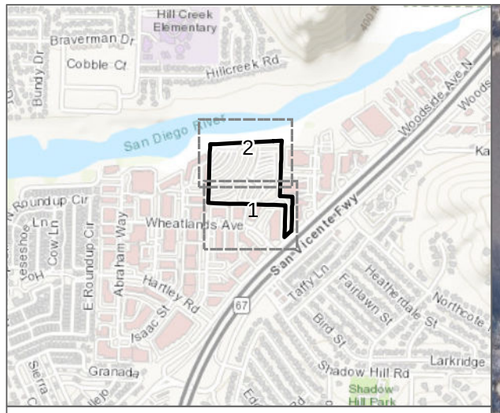
DUDEK

0 40 80 Feet

APPENDIX A1

Tree Locations

Arborist Report for the Palisade Santee Commerce Center Project



Project Boundary

Species

- *Cupressus sempervirens*, Italian cypress
- *Eucalyptus cladocalyx*, Sugar Gum
- *Eucalyptus polyanthemos*, Silver-dollar gum
- *Grevillea robusta*, Silk oak
- *Lophostemon confertus*, Brisbane box
- *Olea europaea*, Olive
- *Platanus racemosa*, Western Sycamore
- *Quercus agrifolia*, Coast Live Oak
- *Rhus lancea*, African sumac
- *Sambucus nigra*, Mexican elderberry
- *Schinus molle*, Peruvian pepper
- *Schinus terebinthifolius*, Brazilian Pepper
- *Syzygium paniculatum*, Brush Cherry
- *Washingtonia robusta*, Mexican Fan Palm

MISSION PARK CT

SOURCE: SOURCE: AERIAL-SANGIS IMAGERY 2020

DUDEK

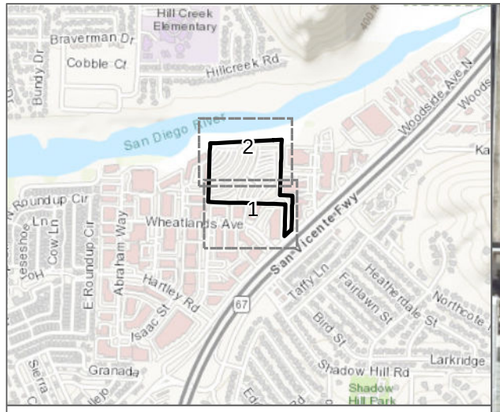
0 40 80 Feet

APPENDIX A2

Tree Locations

Arborist Report for the Palisade Santee Commerce Center Project

Appendix B
Tree Impact Exhibit



Project Boundary

Disposition

- Removed
- Encroached
- Preserve

SOURCE: SOURCE: AERIAL-SANGIS IMAGERY 2020; SITE PLAN-HERDMAN ARCHITECTURE+DESIGN 2023

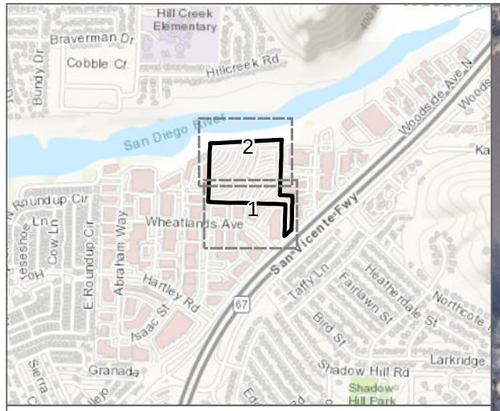
DUDEK

0 40 80 Feet

APPENDIX A1

Tree Locations

Arborist Report for the Palisade Santee Commerce Center Project



Project Boundary

Disposition

- Removed
- Encroached
- Preserve

SOURCE: SOURCE: AERIAL-SANGIS IMAGERY 2020; SITE PLAN-HERDMAN ARCHITECTURE+DESIGN 2023

DUDEK

0 40 80 Feet

APPENDIX A2

Tree Locations

Arborist Report for the Palisade Santee Commerce Center Project

Appendix C

Tree Information Matrix

Tree No.	Botanical Name	Common Name	No. of Stems	Individual Stem						Height (ft.)	Crown Width	Health	Structure	Notes	Dispostion	X	Y
				D1	D2	D3	D4	D5	D6								
1	*Cupressus sempervirens*	Italian cypress	1	27	0					55	10	Good	Good		Removal	6344287.1900	1888557.8579
2	*Cupressus sempervirens*	Italian cypress	1	27	0					55	10	Good	Good		Removal	6344287.5259	1888585.9654
3	*Cupressus sempervirens*	Italian cypress	1	25	0					55	10	Good	Good		Removal	6344287.3869	1888608.8124
4	*Olea europaea*	Olive	2	9	12					25	15	Fair	Fair		Removal	6344285.2669	1888617.3075
5	*Cupressus sempervirens*	Italian cypress	1	26	0					55	10	Good	Good		Removal	6344289.1386	1888631.4275
6	*Cupressus sempervirens*	Italian cypress	1	22	0					55	10	Fair	Fair		Removal	6344289.3241	1888655.8555
7	*Cupressus sempervirens*	Italian cypress	1	22	0					55	10	Fair	Fair		Removal	6344290.9676	1888679.0467
8	*Cupressus sempervirens*	Italian cypress	1	22	0					55	10	Fair	Fair		Removal	6344292.2182	1888700.0431
9	*Cupressus sempervirens*	Italian cypress	1	17	0					55	10	Fair	Fair		Removal	6344290.9669	1888718.8542
10	*Cupressus sempervirens*	Italian cypress	1	26	0					55	10	Fair	Fair		Removal	6344293.5513	1888773.8169
11	*Cupressus sempervirens*	Italian cypress	1	13	0					55	10	Fair	Fair		Removal	6344293.1615	1888798.7116
12	*Washingtonia robusta*	Mexican Fan Palm	1	19	0					50	8	Good	Good		Removal	6344284.8140	1888868.1920
13	*Washingtonia robusta*	Mexican Fan Palm	1	19	0					40	8	Good	Good		Removal	6344293.7220	1888885.1247
14	*Cupressus sempervirens*	Italian cypress	3	12	3	3				45	7	Fair	Fair		Removal	6344217.1563	1888887.5368
15	*Cupressus sempervirens*	Italian cypress	1	16	0					45	8	Fair	Fair		Removal	6344199.8123	1888885.0646
16	*Cupressus sempervirens*	Italian cypress	1	14	0					30	8	Fair	Fair		Removal	6344177.9529	1888889.6397
17	*Cupressus sempervirens*	Italian cypress	1	16	0					30	8	Fair	Fair		Removal	6344171.0827	1888912.5576
18	*Cupressus sempervirens*	Italian cypress	1	16	0					30	8	Fair	Fair		Removal	6344174.7947	1888935.2254
19	*Cupressus sempervirens*	Italian cypress	1	16	0					40	9	Fair	Fair		Removal	6344177.1000	1889009.2839
20	*Cupressus sempervirens*	Italian cypress	1	17	0					40	9	Fair	Fair		Removal	6344175.8345	1889031.1645
21	*Cupressus sempervirens*	Italian cypress	1	13	0					35	9	Fair	Fair		Removal	6344176.7183	1889041.9109
22	*Platanus racemosa*	Western Sycamore	2	26	5					35	40	Fair	Fair		Removal	6344185.4660	1889112.2342
23	*Schinus molle*	Peruvian pepper	1	30	0					33	38	Good	Fair		Removal	6344180.3165	1889146.1854
24	*Syzygium paniculatum*	Brush Cherry	1	13	0					20	20	Good	Fair		Removal	6344187.3122	1889170.6919
25	*Washingtonia robusta*	Mexican Fan Palm	1	16	0					12	10	Good	Good		Removal	6344133.3179	1889074.0243
26	*Cupressus sempervirens*	Italian cypress	1	13	0					40	8	Fair	Fair		Removal	6344119.1442	1888963.3101
27	*Schinus molle*	Peruvian pepper	1	20	0					35	30	Fair	Fair		Removal	6343929.1428	1888800.5889
28	*Schinus molle*	Peruvian pepper	1	20	0					35	30	Fair	Fair		Removal	6343950.8661	1888799.9384
29	*Schinus molle*	Peruvian pepper	1	20	0					35	30	Fair	Fair		Removal	6343971.7377	1888805.6944
30	*Cupressus sempervirens*	Italian cypress	1	13	0					35	30	Fair	Fair		Removal	6344119.6554	1888801.3846
31	*Rhus lancea*	African sumac	6	6	9	3	4	10		22	35	Fair	Fair		Removal	6344114.8518	1888795.1077
32	*Cupressus sempervirens*	Italian cypress	1	12	0					35	30	Fair	Fair		Removal	6344125.3268	1888802.4343
33	*Cupressus sempervirens*	Italian cypress	1	27	0					40	8	Good	Good		Removal	6344127.5864	1888812.9101
34	*Cupressus sempervirens*	Italian cypress	1	27	0					40	8	Good	Good		Removal	6344143.0033	1888816.8910
35	*Washingtonia robusta*	Mexican Fan Palm	1	16	0					50	8	Good	Good		Removal	6344144.7703	1888808.7788
36	*Cupressus sempervirens*	Italian cypress	2	12	2					40	8	Good	Good		Removal	6344215.6720	1888797.2319
37	*Schinus terebinthifolius*	Brazilian Pepper	21	15	9	10	12	12	15	23	40	Fair	Fair	6,7,4,5,3,2,2,2,7,2,rest 2	Removal	6343392.8876	1888830.5140
38	*Eucalyptus polyanthemos*	Silver-dollar gum	2	22	11					30	20	Fair	Fair		Removal	6343420.6472	1888823.5629
39	*Eucalyptus polyanthemos*	Silver-dollar gum	5	25	26	14	22	5		30	20	Fair	Fair		Removal	6343444.3139	1888823.2267
40	*Eucalyptus polyanthemos*	Silver-dollar gum	3	13	6	2	2			25	20	Fair	Poor		Removal	6343468.0922	1888824.7219
41	*Eucalyptus polyanthemos*	Silver-dollar gum	1	35	0					35	20	Fair	Fair		Removal	6343482.5786	1888826.7205
42	*Eucalyptus polyanthemos*	Silver-dollar gum	1	12	0					15	10	Fair	Fair		Removal	6343499.9875	1888826.2095
43	*Eucalyptus polyanthemos*	Silver-dollar gum	1	40	0					35	25	Fair	Fair		Removal	6343510.6080	1888826.6671
44	*Eucalyptus polyanthemos*	Silver-dollar gum	1	23	0					33	20	Fair	Fair		Removal	6343547.6641	1888824.4719
45	*Eucalyptus polyanthemos*	Silver-dollar gum	1	38	0					35	22	Fair	Fair		Removal	6343570.5574	1888825.4226

Tree No.	Botanical Name	Common Name	No. of Stems	Individual Stem						Height (ft.)	Crown Width	Health	Structure	Notes	Dispostion	X	Y
				D1	D2	D3	D4	D5	D6								
46	*Eucalyptus polyanthemos*	Silver-dollar gum	2	14	11					35	22	Fair	Fair		Removal	6343577.8266	1888816.2669
47	*Eucalyptus polyanthemos*	Silver-dollar gum	1	30	0					30	20	Fair	Fair		Removal	6343595.3829	1888814.0695
48	*Eucalyptus polyanthemos*	Silver-dollar gum	1	33	0					35	22	Fair	Fair		Removal	6343614.8624	1888816.7567
49	*Eucalyptus polyanthemos*	Silver-dollar gum	4	29	36	12	15			35	25	Fair	Fair		Removal	6343650.5898	1888814.8773
50	*Schinus terebinthifolius*	Brazilian Pepper	12	8	6	5	7	6	7	15	30	Fair	Fair	Additional Stems 6,4,4,3,3,3	Removal	6343697.9801	1888812.7261
51	*Eucalyptus polyanthemos*	Silver-dollar gum	3	34	16	8				38	25	Fair	Fair		Removal	6343771.5199	1888807.0555
52	*Eucalyptus polyanthemos*	Silver-dollar gum	1	27	0					35	25	Fair	Fair		Removal	6343824.2399	1888809.2980
53	*Eucalyptus polyanthemos*	Silver-dollar gum	1	24	0					30	20	Fair	Fair		Removal	6343857.3039	1888806.7724
54	*Eucalyptus polyanthemos*	Silver-dollar gum	1	30	0					40	26	Fair	Fair		Removal	6343397.8169	1889231.5598
55	*Eucalyptus polyanthemos*	Silver-dollar gum	2	30	35					35	28	Fair	Fair		Removal	6343400.2333	1889265.0060
56	*Grevillea robusta*	Silk oak	1	21	0					40	12	Fair	Fair		Removal	6343396.3057	1889277.7641
57	*Grevillea robusta*	Silk oak	1	28	0					48	12	Fair	Fair		Removal	6343395.8143	1889299.0155
58	*Grevillea robusta*	Silk oak	3	16	8	1				35	12	Fair	Fair		Removal	6343399.5265	1889312.2775
59	*Grevillea robusta*	Silk oak	1	17	0					35	10	Fair	Fair		Removal	6343399.0758	1889323.9605
60	*Schinus molle*	Peruvian pepper	1	24	0					30	20	Good	Fair		Removal	6343706.9739	1889451.8425
61	*Schinus molle*	Peruvian pepper	1	21	0					30	20	Good	Fair		Removal	6343716.4368	1889461.3432
62	*Schinus molle*	Peruvian pepper	1	14	0					25	20	Good	Fair		Removal	6343730.3006	1889473.8532
63	*Schinus molle*	Peruvian pepper	1	13	0					25	20	Good	Fair		Removal	6343743.6676	1889477.9056
64	*Schinus molle*	Peruvian pepper	1	14	0					25	20	Fair	Fair		Removal	6343799.4049	1889479.4424
65	*Schinus molle*	Peruvian pepper	1	20	0					25	20	Good	Fair		Removal	6343818.3246	1889482.0322
66	*Schinus molle*	Peruvian pepper	1	22	0					34	30	Good	Fair		Removal	6343831.0405	1889481.8202
67	*Schinus molle*	Peruvian pepper	1	17	0					35	30	Good	Fair		Removal	6343862.0257	1889479.9808
68	*Schinus molle*	Peruvian pepper	1	24	0					35	30	Good	Fair		Removal	6343878.7568	1889484.1995
69	*Schinus molle*	Peruvian pepper	1	12	0					20	20	Fair	Fair		Removal	6343895.3480	1889483.0279
70	*Schinus molle*	Peruvian pepper	1	15	0					20	20	Poor	Fair		Removal	6343909.9658	1889484.4261
71	*Schinus molle*	Peruvian pepper	1	16	0					25	20	Fair	Fair		Removal	6343925.0904	1889487.2087
72	*Schinus molle*	Peruvian pepper	1	16	0					18	20	Fair	Fair		Removal	6343950.6802	1889490.1914
73	*Schinus molle*	Peruvian pepper	1	21	0					25	20	Good	Fair		Removal	6343965.1205	1889491.0120
74	*Schinus molle*	Peruvian pepper	1	13	0					20	15	Good	Fair		Removal	6343982.4441	1889489.9949
75	*Schinus molle*	Peruvian pepper	1	16	0					27	23	Good	Fair		Removal	6343999.5363	1889490.5523
76	*Schinus molle*	Peruvian pepper	1	11	0					10	8	Fair	Fair		Removal	6344009.7582	1889492.4893
77	*Schinus molle*	Peruvian pepper	1	22	0					28	25	Good	Fair		Removal	6344023.8071	1889495.2251
78	*Schinus molle*	Peruvian pepper	1	22	0					28	25	Good	Fair		Removal	6344054.7417	1889495.3523
79	*Schinus molle*	Peruvian pepper	1	14	0					20	25	Good	Fair		Removal	6344098.0087	1889497.9578
80	*Schinus molle*	Peruvian pepper	1	21	0					26	25	Good	Fair		Removal	6344115.3430	1889494.5699
81	*Schinus molle*	Peruvian pepper	1	15	0					26	25	Good	Fair		Removal	6344133.5017	1889493.9426
82	*Schinus molle*	Peruvian pepper	1	20	0					26	25	Good	Fair		Removal	6344148.3934	1889496.4295
83	*Schinus molle*	Peruvian pepper	1	24	0					27	30	Good	Fair		Removal	6344174.9033	1889492.8848
84	*Rhus lancea*	African sumac	2	1	1					5	4	Good	Fair		Removal	6344082.3383	1889492.2879
85	*Quercus agrifolia*	Coast Live Oak	2	11	10					25	20	Good	Fair		Preserve	6343813.8811	1889505.4909
86	*Sambucus nigra*	Mexican elderberry	6	12	16	11	3	2	2	12	35	Good	Fair	No tag for offsite	Removal	6343409.0875	1889394.7038
87	*Rhus lancea*	African sumac	3	2	2	1	3			12	8	Good	Fair	No tag for offsite	Removal	6343416.4691	1889388.1731
88	*Rhus lancea*	African sumac	3	2	2	1	3			12	8	Good	Fair	No tag for offsite	Removal	6343414.2969	1889375.5033
89	*Sambucus nigra*	Mexican elderberry	6	4	4	4	4			12	8	Good	Fair	No tag for offsite	Removal	6343402.6492	1889376.3746

Tree No.	Botanical Name	Common Name	No. of Stems	Individual Stem						Height (ft.)	Crown Width	Health	Structure	Notes	Dispostion	X	Y
				D1	D2	D3	D4	D5	D6								
90	*Sambucus nigra*	Mexican elderberry	6	4	4	4	4			12	8	Good	Fair	No tag for offsite	Removal	6343406.6806	1889368.4015
91	*Rhus lancea*	African sumac	6	6	4	4	4	6		15	15	Good	Fair	No tag for offsite	Removal	6343448.5448	1889430.1013
92	*Rhus lancea*	African sumac	6	6	4	4	4	6		15	15	Good	Fair	No tag for offsite	Removal	6343466.3117	1889432.8228
93	*Rhus lancea*	African sumac	6	6	4	4	4	6		15	15	Good	Fair	No tag for offsite	Removal	6343484.0394	1889438.8754
94	*Rhus lancea*	African sumac	2	13	0					15	15	Good	Fair	No tag for offsite	Removal	6343489.9647	1889450.5818
95	*Rhus lancea*	African sumac	3	10	9	6				15	15	Good	Fair	No tag for offsite	Removal	6343495.5960	1889451.2681
96	*Rhus lancea*	African sumac	1	3	0					15	15	Good	Fair	No tag for offsite	Removal	6343497.0817	1889433.3172
97	*Rhus lancea*	African sumac	4	8	8	7	6			15	15	Good	Fair	No tag for offsite	Removal	6343514.0205	1889444.8541
98	*Rhus lancea*	African sumac	3	8	6	4				15	15	Good	Fair	No tag for offsite	Removal	6343524.3275	1889444.4893
99	*Rhus lancea*	African sumac	3	17	10	8				15	15	Good	Fair	No tag for offsite	Removal	6343531.9718	1889444.4465
100	*Rhus lancea*	African sumac	2	13	4					15	15	Good	Fair	No tag for offsite	Removal	6343550.8730	1889441.5534
101	*Rhus lancea*	African sumac	3	13	11	3				15	15	Good	Fair	No tag for offsite	Removal	6343554.7463	1889441.8258
102	*Rhus lancea*	African sumac	3	18	14	12				15	15	Good	Fair	No tag for offsite	Removal	6343556.7330	1889439.3901
103	*Rhus lancea*	African sumac	1	14	0					15	15	Good	Fair	No tag for offsite	Removal	6343559.5884	1889439.0008
104	*Rhus lancea*	African sumac	4	12	8	12	5			15	15	Good	Fair	No tag for offsite	Removal	6343594.5689	1889439.1374
105	*Rhus lancea*	African sumac	3	12	16	10				15	15	Good	Fair	No tag for offsite	Removal	6343590.7589	1889443.7888
106	*Rhus lancea*	African sumac	6	12	16	10	10	8	10	15	15	Good	Fair	No tag for offsite	Removal	6343609.6409	1889449.4171
107	*Rhus lancea*	African sumac	3	12	12	6				15	15	Good	Fair	No tag for offsite	Removal	6343607.4870	1889447.9591
108	*Rhus lancea*	African sumac	6	12	16	10	10	13	10	15	15	Good	Fair	No tag for offsite	Removal	6343642.0248	1889436.9371
109	*Rhus lancea*	African sumac	7	12	8	10	8	13	6	15	15	Good	Fair	No tag for offsite	Removal	6343651.1469	1889440.1759
110	*Rhus lancea*	African sumac	4	12	10	12	13			15	15	Good	Fair	No tag for offsite	Removal	6343662.3601	1889438.2548
111	*Eucalyptus cladocalyx*	Sugar Gum	1	4	0					12	5	Good	Good	No tag for offsite	Preserve	6343969.1155	1888787.6071
112	*Eucalyptus cladocalyx*	Sugar Gum	1	6	0					12	5	Good	Good	No tag for offsite	Preserve	6343975.5193	1888789.0456
113	*Eucalyptus cladocalyx*	Sugar Gum	1	4	0					15	5	Good	Good	No tag for offsite	Preserve	6343982.3594	1888793.8175
114	*Eucalyptus cladocalyx*	Sugar Gum	1	7	0					15	5	Good	Good	No tag for offsite	Preserve	6343992.4749	1888792.4505
115	*Eucalyptus cladocalyx*	Sugar Gum	1	7	0					15	8	Good	Good	No tag for offsite	Encroached	6344003.4243	1888791.0657
116	*Eucalyptus cladocalyx*	Sugar Gum	1	8	0					15	12	Good	Good	No tag for offsite	Encroached	6344009.2423	1888793.3098
117	*Eucalyptus cladocalyx*	Sugar Gum	1	12	0					15	10	Good	Fair	No tag for offsite	Encroached	6344015.9833	1888790.9124
118	*Eucalyptus cladocalyx*	Sugar Gum	1	12	0					15	10	Good	Fair	No tag for offsite	Encroached	6344025.5919	1888791.3894
119	*Eucalyptus cladocalyx*	Sugar Gum	1	11	0					15	10	Good	Fair	No tag for offsite	Encroached	6344032.1198	1888790.9595
120	*Eucalyptus cladocalyx*	Sugar Gum	1	14	0					20	15	Good	Fair	No tag for offsite	Encroached	6344042.9728	1888788.1590
121	*Eucalyptus cladocalyx*	Sugar Gum	1	12	0					20	15	Good	Fair	No tag for offsite	Encroached	6344053.3891	1888789.9830
122	*Eucalyptus cladocalyx*	Sugar Gum	1	10	0					20	15	Good	Fair	No tag for offsite	Encroached	6344066.4037	1888793.0203
123	*Eucalyptus cladocalyx*	Sugar Gum	1	11	0					20	15	Good	Fair	No tag for offsite	Encroached	6344075.0313	1888791.5637
124	*Eucalyptus cladocalyx*	Sugar Gum	1	12	0					20	15	Good	Fair	No tag for offsite	Encroached	6344083.0972	1888790.9696
125	*Eucalyptus cladocalyx*	Sugar Gum	1	12	0					20	15	Good	Fair	No tag for offsite	Encroached	6344094.7120	1888787.4677
126	*Washingtonia robusta*	Mexican Fan Palm	1	10	0					5	3	Good	Good	No tag for offsite	Preserve	6344117.4623	1888789.5737
127	*Lophostemon confertus*	Brisbane box	1	10	0					15	8	Fair	Good	No tag for offsite	Encroached	6344129.5849	1888789.8706
128	*Washingtonia robusta*	Mexican Fan Palm	1	14	0					10	6	Good	Good	No tag for offsite	Encroached	6344150.3793	1888789.1611
129	*Washingtonia robusta*	Mexican Fan Palm	1	14	0					15	6	Good	Good	No tag for offsite	Encroached	6344160.0720	1888788.3595
130	*Washingtonia robusta*	Mexican Fan Palm	1	20	0					18	8	Good	Good	No tag for offsite	Encroached	6344172.2857	1888788.8272
131	*Washingtonia robusta*	Mexican Fan Palm	1	19	0					18	8	Good	Good	No tag for offsite	Encroached	6344181.5340	1888788.9299
132	*Washingtonia robusta*	Mexican Fan Palm	1	18	0					18	8	Good	Good	No tag for offsite	Encroached	6344192.7813	1888787.1988
133	*Washingtonia robusta*	Mexican Fan Palm	1	18	0					18	8	Good	Good	No tag for offsite	Encroached	6344201.9384	1888787.6954
134	*Lophostemon confertus*	Brisbane box	1	6	0					18	8	Fair	Good	No tag for offsite	Encroached	6344218.7629	1888787.9886

Tree No.	Botanical Name	Common Name	No. of Stems	Individual Stem						Height (ft.)	Crown Width	Health	Structure	Notes	Dispostion	X	Y
				D1	D2	D3	D4	D5	D6								
135	*Lophostemon confertus*	Brisbane box	1	6	0					20	8	Fair	Good	No tag for offsite	Encroached	6344233.5129	1888787.7657
136	*Lophostemon confertus*	Brisbane box	1	7	0					20	8	Fair	Good	No tag for offsite	Preserve	6344234.4170	1888770.0448
137	*Lophostemon confertus*	Brisbane box	1	7	0					20	8	Fair	Good	No tag for offsite	Encroached	6344235.6591	1888740.3806
138	*Lophostemon confertus*	Brisbane box	1	8	0					20	8	Fair	Good	No tag for offsite	Encroached	6344234.9125	1888709.4905
139	*Lophostemon confertus*	Brisbane box	1	9	0					20	8	Fair	Good	No tag for offsite	Encroached	6344233.3082	1888681.0263
140	*Lophostemon confertus*	Brisbane box	2	9	1					20	10	Fair	Poor	No tag for offsite	Encroached	6344231.5985	1888650.5648

Appendix D
Proposed Landscape Plan

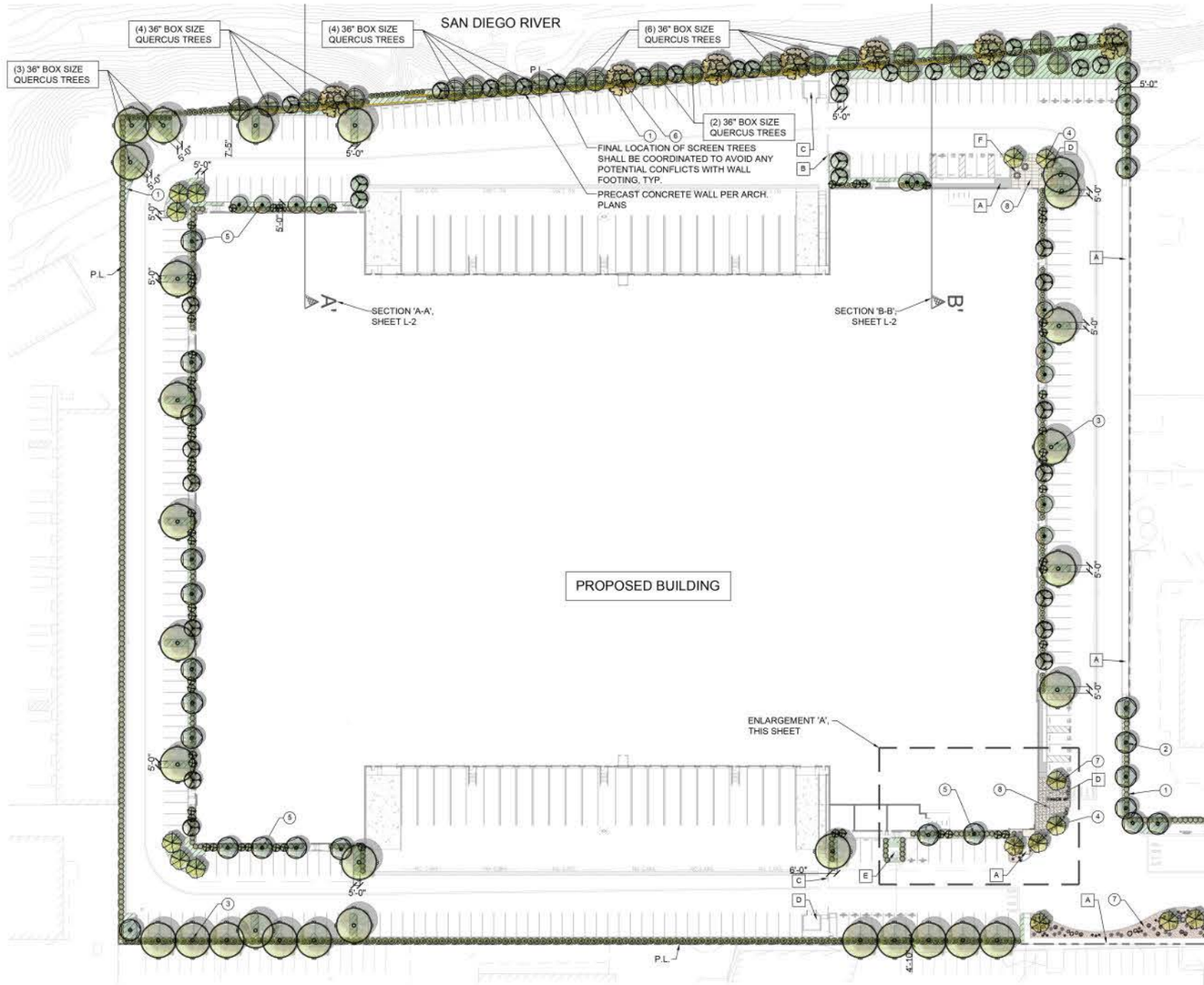
PLANTING LEGEND

TREES			
SYMBOL	**TREE NAME**	**QTY.**	**WUCOLS**
	PRUNUS CAROLINIANA 'COMPACTA', CAROLINA LAUREL CHERRY 15 GAL. SIZE	55	L
	FLOWERING ACCENT TREE AT BLDG AND PROJECT ENTRIES CERCIDIUM FLORIDUM, BLUE PALO VERDE 36" BOX SIZE. MULTI-TRUNK	15	L
	EVERGREEN PARKING LOT SHADE TREE QUERCUS ILEX, HOLLY OAK 24" BOX SIZE [SEE PLAN FOR LOCATION OF (3) 36" BOX SIZE]	27 - 24" 3 - 36"	L
	EVERGREEN SCREEN TREE SALIX SPP., WILLOW 24" BOX SIZE	36	L
	CALIFORNIA NATIVE SCREEN TREE QUERCUS AGRIFOLIA, COAST LIVE OAK 24" BOX SIZE [SEE PLAN FOR LOCATION OF (16) 36" BOX SIZE]	6 - 24" 16 - 36"	L
	VERTICAL GROWING TREE ADJACENT TO BUILDING TRISTANIA CONFERTA, BRISBANE BOX 15 GAL. SIZE	11	M
	VERTICAL GROWING TREE ADJACENT TO BUILDING GEIJERIA PARVIFLORA, AUSTRALIAN WILLOW 15 GAL. SIZE	37	L
	CALIFORNIA NATIVE TREE PLATANUS RACEMOSA, WESTERN SYCAMORE 15 GAL. SIZE	7	M

SHRUBS - SHRUBS SHALL BE CHOSEN FROM THE FOLLOWING:		
SYMBOL	**NAME**	**WUCOLS**
	SAMBUCUS NIGRA, ELDERBERRY 5 GAL. SIZE	L
	SENNA ARTEMISIODES, FEATHERY CASSIA 5 GAL. SIZE	L
	LEUCOPHYLLUM FRUTESCENS, TEXAS RANGER 5 GAL. SIZE	L
	OLEA 'LITTLE OLLIE', DWARF OLIVE 5 GAL. SIZE	L
	LIGUSTRUM TEXANUM, TEXAS PRIVET 5 GAL. SIZE	L
	HETEROMELES ARBUTIFOLIA, TOYON 5 GAL. SIZE	L
	HETEROMELES ARBUTIFOLIA, TOYON 15 GAL. SIZE	L

GROUND COVERS		
SYMBOL	**NAME**	**WUCOLS**
	ACHILLEA 'MOONSHINE', MOONSHINE YARROW 1 GAL. SIZE @ 24" O.C.	L
	LANTANA CAMARA 'DWARF GOLD', DWARF LANTANA 1 GAL. SIZE @ 30" O.C.	L
	STIPA PULCHRA, PURPLE NEEDGRASS 1 GAL. SIZE @ 24" O.C.	M
	SALVIA CLEVLANDII, CLEVLAND SAGE 5 GAL. SIZE @ 48" O.C.	L
	DIANELLA TASMANICA 'VARIEGATA', WHITE STRIPED TASMAN FLAX LILY 1 GAL. SIZE @ 24" O.C.	M
	MYOPORUM PARVIFOLIUM, CREEPING MYOPORUM 1 GAL. SIZE @ 24" O.C.	L
	CARISSA MACROCARPA 'GREEN CARPET', NATAL PLUM 1 GAL. SIZE @ 30" O.C.	M
	ENCELIA CALIFORNIA, 5 GAL. SIZE @ 36" O.C.	L
	AGAVE 'BLUE FLAME', BLUE FLAME AGAVE 5 GAL. SIZE @ 36" O.C.	L
	LEYMUS C. 'CANYON PRINCE', CANYON PRINCE WILD RYE 1 GAL. SIZE @ 36" O.C.	L
	DIETES BICOLOR, FORTNIGHT LILY 1 GAL. SIZE @ 24" O.C.	M
	VERBENA 'DE LA MINA', DE LA MINA VERBENA 1 GAL. SIZE @ 24" O.C.	L
	ASCLEPIAS SUBULATA, DESERT MILKWEED 1 GAL. SIZE @ 30" O.C.	L
	HESPERALOE PARVIFLORA, RED YUCCA 5 GAL. SIZE @ 30" O.C.	L
	YUCCA ROSTRATA, YUCCA 5 GAL. SIZE @ 36" O.C.	L

NOTE: APPLY A 3" MIN. LAYER OF MULCH TOP DRESSING WITHIN ALL PLANTING AREAS. A SAMPLE IS REQUIRED PRIOR TO APPLICATION.



REFERENCE NOTES:

- A. CONCRETE WALKWAY PER CIVIL PLANS.
- B. GATE PER ARCH. PLANS.
- C. TRASH ENCLOSURE PER ARCH. PLANS.
- D. BIKE RACK PER ARCH. PLANS.
- E. ELEC. TRANSFORMER PER ARCH. PLANS.
- F. EMPLOYEED BREAK PER ARCH. PLANS.

DESIGN KEY NOTES:

1. SCREEN SHRUBS ALONG PROPERTY LINE PER PLANTING LEGEND.
2. SCREEN TREES ALONG PROPERTY LINE PER PLANTING LEGEND.
3. PARKING LOT SHADE TREE WITHIN 30' OF EACH CAR PARKING STALL, PER COUNTY OF SAN DIEGO LANDSCAPE REQUIREMENTS.
4. FLOWERING ACCENT TREES AT FOCAL AREAS PER PLANTING LEGEND.
5. VERTICAL TREE AT BUILDING PER PLANTING LEGEND.
6. RIVER ADJACENT CALIFORNIA NATIVE TREES PER PLANTING LEGEND.
7. SUCCULENT PLANTING AREA IN DECOMPOSED GRANITE AT BUILDING ENTRY.
8. ENHANCED PAVING AT BUILDING ENTRY. INTEGRAL COLORED CONCRETE WITH MEDIUM ETCH FINISH.

LANDSCAPE CALCULATIONS

TOTAL SQ. FOOTAGE OF LANDSCAPE AREAS = 37,932 SQ FT
TOTAL PARKING AREA = 45,621 SQ FT
TOTAL PARKING AREA LANDSCAPED = 15,879 SQ FT (35% OF TOTAL PARKING AREA)
TOTAL TREE COUNT = 213 TREES

ACCENT SUCCULENTS			
SYMBOL	**SHRUB NAME**	**QTY.**	**WUCOLS**
	AGAVE WEBERII, WEBER'S AGAVE 15 GAL. SIZE	26	VL
	AGAVE 'MEDIOPICTA ALBA', VARIEGATED AGAVE 5 GAL. SIZE @ 30" O.C.	22	VL
	AGAVE PARRYI VAR. 'TRUNCATA', ARTICHOKE AGAVE 5 GAL. SIZE @ 30" O.C.	54	VL

CONCEPTUAL PLAN NOTE:

THIS IS A CONCEPTUAL LANDSCAPE PLAN. IT IS BASED ON PRELIMINARY INFORMATION WHICH IS NOT FULLY VERIFIED AND MAY BE INCOMPLETE. IT IS MEANT AS A COMPARATIVE AID IN EXAMINING ALTERNATE DEVELOPMENT STRATEGIES AND ANY QUANTITIES INDICATED ARE SUBJECT TO REVISION AS MORE RELIABLE INFORMATION BECOMES AVAILABLE.

WUCOLS PLANT FACTOR
THIS PROJECT IS LOCATED IN 'WUCOLS' REGION '3-SOUTH COASTAL.

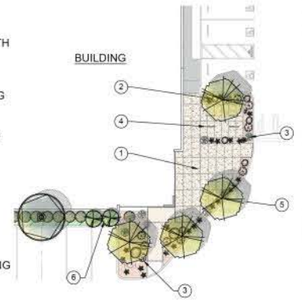
H = HIGH WATER NEEDS
M = MODERATE WATER NEEDS
L = LOW WATER NEEDS
VL= VERY LOW WATER NEEDS

NORTH

0 40' 80' 120'
SCALE: 1" = 40'-0"

ENLARGEMENT KEY NOTES:

1. INTEGRAL COLORED CONCRETE WITH MEDIUM ETCH FINISH
2. DECORATIVE ROCK MULCH OR DECOMPOSED GRANITE AT BUILDING ENTRY AREA
3. ACCENT SHRUBS AND SUCCULENTS AT DECORATIVE NON-ORGANIC MULCH AREA
4. BIKE RACK PER ARCH.
5. FLOWERING ACCENT TREE AT BUILDING ENTRY AREA
6. DROUGHT TOLERANT SHRUBS AND GROUND COVER (REGULAR PLANTING AREASS, GREEN NON DG)



ENLARGEMENT 'A' - SOUTH EAST BUILDING ENTRY
SCALE: 1"=20'

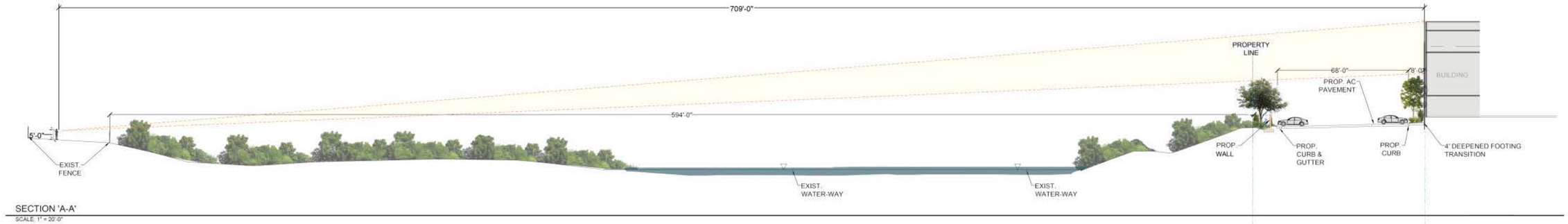
RODARTE LANDSCAPE ARCHITECTURE, INC.
HERDMAN ARCHITECTURE + DESIGN
NORTH PALISADE PARTNERS

CONCEPTUAL LANDSCAPE PLAN
PALISADE SANTEE BUSINESS CENTER

SANTEE, CA

DATE: 06/05/24

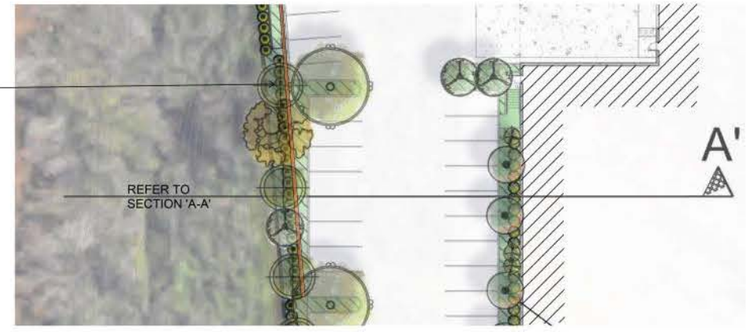
L-1

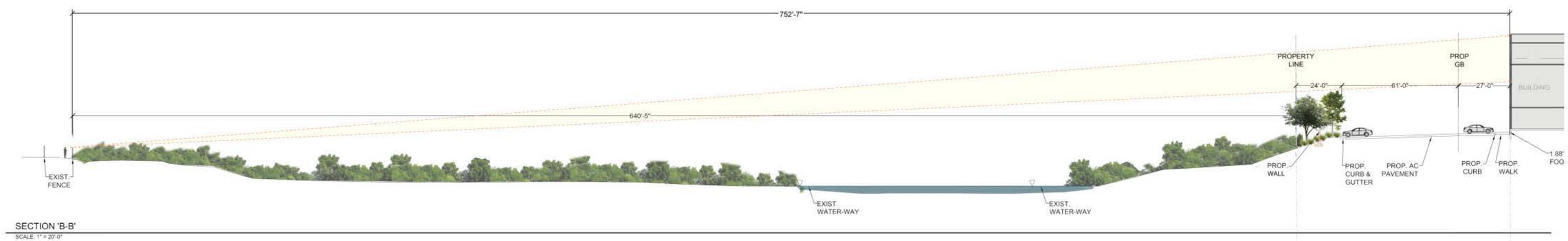


SECTION 'A-A'

SCALE: 1" = 20'-0"

FINAL LOCATION OF SCREEN TREES SHALL BE COORDINATED TO AVOID ANY POTENTIAL CONFLICTS WITH WALL FOOTING, TYP.

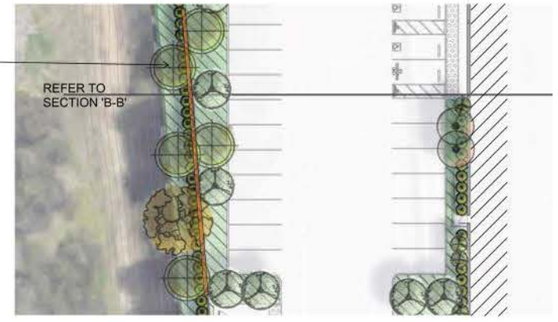




SECTION 'B-B'

SCALE: 1" = 20'-0"

FINAL LOCATION OF SCREEN TREES SHALL BE COORDINATED TO AVOID ANY POTENTIAL CONFLICTS WITH WALL FOOTING, TYP.



RODARTE LANDSCAPE ARCHITECTURE, INC.

HERDMAN ARCHITECTURE • DESIGN

NORTH PALISADE PARTNERS

LANDSCAPE SECTIONS
PALISADE SANTEE BUSINESS CENTER

SANTEE, CA

DATE: 06/05/24

L-2

Appendix E

Tree Protection Measures

Tree Protection Measures

The following tree protection measures are provided as general guidelines for tree protection from construction impacts. The measures presented should be monitored by arborists and enforced by contractors and developers for maximum benefit to the trees.

Tree Protection Measures Prior to Construction

Prior to any construction activity (drainage, demolition, material removal or delivery), oak and landmark trees with canopies that fall within 30 feet of construction activity shall be protected by fencing and signage. All contractors shall be made aware of the tree protection measures. A project arborist shall be assigned to monitor tree health and construction activity near retained trees on site. The project arborist shall be an International Society of Arboriculture (ISA) Certified Arborist.

Fencing. A 6-foot high, chain link fence with tree protection signs shall be erected around all trees (or tree groups) with canopies that fall within 30 feet of construction activity. The protective fence should be installed at a distance from the trunk that is equal to the dripline radius plus 5 feet (protected tree zone). For any trees that would be encroached upon by construction activities, fencing shall be placed as far away from trunk of the tree as possible while still allowing the required construction activities to proceed. This fencing will delineate the tree protection zone and prevent unwanted activity in and around the trees in order to reduce soil compaction in the root zones of the trees and other damage from heavy equipment. Fences are to be mounted on two-inch diameter galvanized iron posts, driven into the ground to a depth of at least 2-feet at no more than 10-foot spacing. In areas where fencing is located on paving or concrete that will not be demolished, then the posts may be supported by an appropriate grade level concrete base. Tree protection signs should be attached to every fourth post. The contractor shall maintain the fence to keep it upright, taut, and aligned at all times. Fencing shall be removed only after all construction activities are complete.

Pre-Construction Meeting. A pre-construction meeting shall be held between all contractors and the arborist. The arborist will instruct the contractors on tree protection practices and answer any questions. All equipment operators and spotters, assistants, or those directing operators from the ground, shall provide written acknowledgement of their receiving tree protection training. This training shall include information on the location and marking of protected trees, the necessity of preventing damage, and the discussion of work practices that will accomplish such.

Protection and Maintenance During Construction

Once construction activities have begun, the following measures shall be adhered to:

Avoidance: Signs, ropes, cables, or any other items shall not be attached to any tree.

Equipment Operation and Storage. Operating heavy machinery around the root zones of trees will increase soil compaction, which decreases soil aeration and subsequently reduces water penetration in the soil. All heavy equipment and vehicles shall stay out of the fenced tree protection zone, unless where specifically approved in writing by the City Arborist and under the supervision of an ISA Certified Arborist

Storage and Disposal. Do not store or discard any supply or material, including paint, lumber, concrete overflow, etc. within the fenced tree protection zone. Remove all foreign debris within the fenced tree protection zone; it is

important to leave the duff, mulch, chips, and leaves around the retained trees for water retention and nutrients. Avoid draining or leakage of equipment fluids near retained trees. Fluids such as: gasoline, diesel, oils, hydraulics, brake and transmission fluids, paint, paint thinners, and glycol (anti-freeze) should be disposed of properly. Keep equipment parked outside of the fenced tree protection zone of retained trees to avoid the possibility of leakage of equipment fluids into the soil. The effect of toxic equipment fluids on the retained trees could lead to decline and death.

Moving Construction Materials. Moving Construction Materials: Care will be taken when moving equipment or supplies near the trees, especially overhead. Avoid damaging the tree(s) when transporting or moving construction materials and working around retained trees (even outside of the fenced tree protection zone). Above ground tree parts that could be damaged (e.g., low limbs, trunks) should be flagged with red ribbon. If contact with the tree crown is unavoidable, prune the conflicting branch(es) using ISA or ANSI A300 standards.

Grade Changes. Grade changes, including adding fill, are not permitted within the tree protection zone, without special written authorization and under supervision by a Certified Arborist. Lowering the grade within this area will necessitate cutting main support and feeder roots, jeopardizing the health and structural integrity of the tree(s). Adding soil, even temporarily, on top of the existing grade will compact the soil further, and decrease both water and air availability to the trees' roots.

Root Pruning. Except where specifically approved in writing, all trenching shall be outside of the fenced tree protection zone. Roots primarily extend in a horizontal direction, forming a support base to the tree similar to the base of a wineglass. Where trenching is necessary in areas that contain tree roots, prune the roots using a Dosko root pruner or equivalent. All cuts shall be clean and sharp, to minimize ripping, tearing, and fracturing the root system. The trench shall be made no deeper than necessary.

Trenching. Unless a Tree Permit has been issued for trenching activity within the fenced tree protection zone, all trenching shall be outside of the fenced tree protection zone. Roots primarily extend in a horizontal direction forming a support base to the tree similar to the base of a wineglass. Where trenching is necessary in areas that contain tree roots, prune the roots using a Dosko root pruner or equivalent. All cuts should be clean and sharp, to minimize ripping, tearing, and fracturing of the root system. The trench should be made no deeper than necessary

Irrigation. Trees that have been substantially root pruned (30% or more of their root zone) will require irrigation for the first twelve months. The first irrigation should be within 48 hours of root pruning. They should be deep watered every two to four weeks during the summer and once a month during the winter (adjust accordingly with rainfall). One irrigation cycle should thoroughly soak the root zones of the trees to a depth of 3 feet. The soil should dry out between watering; avoid keeping a consistently wet soil. Designate one person to be responsible for irrigating (deep watering) the trees. Check soil moisture with a soil probe before irrigating. Irrigation is best accomplished by installing a temporary above ground micro-spray system that will distribute water slowly (to avoid runoff) and evenly throughout the fenced tree protection zone ***but never soaking the area located within 6- feet of the tree trunk***.

Pruning. Do not prune any of the trees until all construction is completed. This will help protect the tree canopies from damage. All pruning shall be completed under the direction of an ISA Certified Arborist and using ISA guidelines. Only dead wood shall be removed from tree canopies.

Washing. Periodic washing of the foliage is recommended during construction but no more than once every two weeks. Washing should include the upper and lower leaf surfaces and the tree bark. This should continue beyond the

construction period at a less frequent rate with a high-powered hose only in the early morning hours. Washing will help control dirt/dust buildup that can lead to mite and insect infestations.

Inspection. An ISA Certified Arborist shall inspect the trees on at least a monthly basis for the duration of construction activity. A summary report documenting observations and management recommendations shall be submitted to the owner following each inspection. Photographs of representative trees are to be included in each report.

Maintenance After Construction

Once construction is complete the tree protection fencing may be removed and the following measures performed to sustain and enhance the vigor of the preserved trees.

Mulch. Provide a 4-inch mulch layer of mulch under the canopy of trees. Mulch shall be clean and organic and provide long-term soil conditioning, soil moisture retention, and soil temperature control.

Pruning. Pruning should only be done to maintain clearance and remove broken, dead or diseased branches. Pruning shall only take place following a recommendation by an ISA Certified Arborist and performed under the supervision of an ISA Certified Arborist. No more than 15% of the canopy shall be removed at any one time. All pruning shall conform to ISA or ANSI A300 standards.

Watering. Retained trees on site shall be watered as they were prior to the commencement of construction activity. Supplemental irrigation may be necessary for twelve months following substantial root pruning.

Watering Adjacent Plant Material. All plants near the trees shall be compatible with water requirements of said trees. Watering regime included in the site's landscape plan shall be developed with consideration for the water needs of retained trees.

Spraying. If the trees are maintained in a healthy state, regular spraying for insect or disease control should not be necessary. If a problem does develop, an ISA Certified Arborist should be consulted; the trees may require application of insecticides to prevent the intrusion of bark-boring beetles and other invading pests. All chemical spraying should be performed by a licensed applicator under the direction of a licensed pest control advisor.

Inspection. All trees within 30 feet of construction activity shall be monitored by an ISA Certified Arborist for the first two years after construction completion. An annual monitoring report shall be submitted to the City Arborist. Each report shall summarize the inspection efforts, document observations and management actions taken, include photographs of each tree, and compare postconstruction tree conditions with the original, pre-construction baseline condition. If any retained trees die within this inspection period, they shall be replaced at a ratio approved by the City.

Appendix E

Archaeological Resources Inventory Report

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

December 31, 2023 15138

North Palisade Partners
1330 Factory Place, Suite 105
Los Angeles, CA 90013

Subject: Archaeological Resources Inventory Report for the Palisade Santee Commerce Center Project, City of Santee, California

To Whom it May Concern:

This letter documents the negative archaeological resources inventory conducted by Dudek for the Palisade Santee Commerce Center Project (Project), located in the City of Santee, California (Figure 1, Project Location). The proposed Project would involve the construction of one warehouse building (300,145 square feet), including office and mezzanine and approximately 42 dock-hi doors; parking spaces; improvements to internal roadways, driveway access, and Woodside Avenue North frontage; automated gates equipped with knox boxes; and landscaping. The City of Santee (City) is the lead agency responsible for compliance with the California Environmental Quality Act (CEQA). In accordance with CEQA, Dudek performed an archaeological resources inventory for the entire Project area. The Project area consists of almost 14 acres of mostly developed land currently dedicated to the Santee Drive-in Theatre (Figure 2, Project Area).

Dudek conducted a records search for the proposed Project and the surrounding one-mile radius at the South Coastal Information Center (SCIC). The records search did not identify any archaeological resources within the Project area; however, 20 archaeological resources were identified within the one-mile radius of the Project area. A Native American Heritage Commission (NAHC) Sacred Lands File (SLF) search was requested, and results were positive. Tribal outreach letters were mailed to Tribal representatives on April 5, 2023. To date, one response has been received, requesting Tribal monitoring during survey, site visits, and ground disturbance.

A qualified Dudek archaeologist and Native American monitor visited the Project area on March 31, 2023. The Project area consists mostly of paved parking and includes various built environment resources associated with the Santee Drive-in Theatre. While no archaeological resources were identified within the Project area, much of the surface was obscured by development, including pavement and minor landscaping. Archival research indicates the Project area has been utilized as a drive-in theatre since 1962, and before that, as irrigated cropland. Although the records search and pedestrian survey did not identify any archaeological resources within the Project area, based on its proximity to the San Diego River and the quantity and significance of the archaeological resources identified within a one-mile radius of the Project area, there is moderate potential for the inadvertent discovery of archaeological resources during Project implementation. Dudek recommends full time archaeological and Native American monitoring during initial ground disturbing activities for the Project. If disturbed sediments (e.g., fill) or other sediments and formations are identified that do not have the potential to contain archaeological resources, then monitoring may be reduced or terminated.

The Santee Drive-in Theatre identified as part of this Project will be addressed in a separate built environment inventory and evaluation report that is, to date, currently in process.

1 Project Description and Location

The proposed Project area is located on 13.66 acres at 10990 Woodside Avenue North (Woodside Avenue N.) in Santee, California. The Project area falls within Section 23 of Township 15 South, Range 1 West of the El Cajon, California 7.5-minute Quadrangle and encompasses one Assessor Parcel Number (APN): 381-070-52-00 (Figure 1 and Figure 2). The Project area contains the Santee Drive-In Theatre, an access road that extends to Woodside Avenue N., some landscaping, and an undeveloped area located along the northern boundary of the parcel. The Project area is bound by industrial uses to the east, west, and south, and the San Diego River to the north. Residential areas are located just north of the San Diego River. No change to current site zoning and land use designation are proposed.

The Project would redevelop the site for the construction of one warehouse building (280,000 to 300,000 square feet), including office and mezzanine and approximately 42 dock-hi doors; parking spaces; improvements to internal roadways, driveway access, and Woodside Avenue North frontage; automated gates equipped with knox boxes; and landscaping. This scope of work assumes project development would extend to the undeveloped northern boundary of APN 381-070-52-00 and that project access would be limited to the driveway access at Woodside Avenue N.

2 Regulatory Framework

2.1 CEQA and the California Register of Historic Resources

CEQA requires that all private and public activities not specifically exempted be evaluated for the potential to impact the environment, including effects to historical resources. Historical resources are recognized as part of the environment under CEQA. It defines historical resources as "any object, building, structure, site, area, or place, which is historically significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (Division I, Public Resources Code, Section 5021.1(b)).

Lead agencies have a responsibility to evaluate historical resources against the California Register of Historic Resources (CRHR, or California Register) criteria prior to making a finding as to a proposed project's impacts to historical resources. Mitigation of adverse impacts is required if the proposed project will cause substantial adverse change. Substantial adverse change includes demolition, destruction, relocation, or alteration such that the significance of a historical resource would be impaired. While demolition and destruction are fairly obvious significant impacts, it is more difficult to assess when change, alteration, or relocation crosses the threshold of substantial adverse change. The CEQA Guidelines provide that a project which demolishes or alters those physical characteristics of a historical resource that convey its historical significance (i.e., its character-defining features) can be considered to materially impair the resource's significance.

The California Register is used in the consideration of historic resources relative to significance for purposes of CEQA. The California Register includes resources listed in, or formally determined eligible for the National Register of Historic Places (NRHP) and some California State Landmarks and Points of Historical Interest. Properties of local significance that have been designated under a local preservation ordinance (local landmarks or landmark districts) or that have been identified in a local historical resources inventory may be eligible for listing in the California Register, and they are presumed to be significant resources for purposes of CEQA unless a preponderance of evidence indicates otherwise. Generally, a resource shall be considered by the lead agency to be "historically

significant" if the resource meets the criteria for listing on the CRHR (Pub. Res. Code SS5024.1, Title 14 CCR, Section 4850 et seq.), consisting of the following:

1. It is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States; or
2. It is associated with the lives of persons important to local, California, or national history; or
3. It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master, or possesses high artistic values; or
4. It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

2.2 Native American Historic Cultural Sites (California Public Resources Code section 5097 et seq.)

State law addresses the disposition of Native American burials in archaeological sites and protects such remains from disturbance, vandalism, or inadvertent destruction; establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project; and establishes the NRHC to resolve disputes regarding the disposition of such remains. In addition, the Native American Historic Resource Protection Act makes it a misdemeanor punishable by up to 1 year in jail to deface or destroy an Indian historic or cultural site that is listed or may be eligible for listing in the CRHR.

2.3 California Native American Graves Protection and Repatriation Act

The California Native American Graves Protection and Repatriation Act (California Repatriation Act), enacted in 2001, required all state agencies and museums that receive state funding and that have possession or control over collections of human remains or cultural items, as defined, to complete an inventory and summary of these remains and items on or before January 1, 2003, with certain exceptions. The California Repatriation Act also provides a process for the identification and repatriation of these items to the appropriate tribes.

2.4 California Health and Safety Code section 7050.5 and Public Resources Code Section 5097.98

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98.

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the County coroner has examined the remains (California Health and Safety Code Section 7050.5[b]). If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must

contact the NAHC within 24 hours (California Health and Safety Code Section 7050.5[c]). In accordance with California Public Resources Code Section 5097.98(a), the NAHC will notify the Most Likely Descendant (MLD). With the permission of the landowner, the MLD may inspect the site of discovery. Within 48 hours of being granted access to the site, the MLD may recommend means of treatment or disposition, with appropriate dignity, of the human remains and associated grave goods.

2.5 Assembly Bill 52

California Assembly Bill 52, which took effect July 1, 2015, establishes a consultation process between California Native American Tribes and lead agencies in order to address tribal concerns regarding project impacts and mitigation to "tribal cultural resources" (TCR). Public Resources Code section 21074(a) defines TCRs and states that a project that has the potential to cause a substantial adverse change to a TCR is a project that may have an adverse effect on the environment. A TCR is defined as a site, feature, place, cultural landscape, sacred place, and object with cultural value to a California Native American tribe that is either:

1. listed or eligible for listing in the CRHR or a local register of historical resources, or
2. determined by a lead agency to be a TCR.

2.6 City of Santee General Plan

Divided into nine elements, the Santee General Plan is a statement of intent by the City as to the future development of the community. This is accomplished through objectives and policies that serve as a long-term policy guide for physical, economic, and environmental growth. The Conservation Element of the Santee General Plan discusses water resources, land resources, archaeological and cultural resources, biological resources, and open space. Section 4.3 of the Conservation Element discusses archaeological, cultural, and historic resources known to be within the City. The goal of the Conservation Element is to conserve open space, natural, and cultural resources. The following objective and policies contained in the Conservation Element of the Santee

- General Plan are relevant to the analysis found in this section:
  - Objective 8.0: Preserve significant cultural resources.
    - Policy 8.1. The City shall require either the preservation of significant historic or prehistoric sites, or the professional retrieval of artifacts prior to the development of a site, consistent with the provisions of the California Environmental Quality Act. Preservation may include various measures including avoidance, preservation in place, incorporation into open space, or covering or capping. The type of preservation would depend upon the nature and significance of the archaeological resource and the practical requirements of the proposed land use.
    - Policy 8.2. The City should require curation of any recovered artifacts as a condition of any cultural resources mitigation program.

2.7 Guidelines for Determining Significance

According to CEQA (§15064.5b), a project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. CEQA defines a substantial adverse change:

> Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.

The significance of an historical resource is materially impaired when a project:

- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in, the CRHR; or
- Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the CRHR as determined by a lead agency for purposes of CEQA.

Section 15064.5(c) of CEQA applies to effects on archaeological sites and contains the following additional provisions regarding archaeological sites:

- When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource, as defined in subsection (a).
- If a lead agency determines that the archaeological site is a historical resource, it shall refer to the provisions of Section 21084.1 of the Public Resources Code, and this section, Section 15126.4 of the Guidelines, and the limits contained in Section 21083.2 of the Public Resources Code do not apply.
- If an archaeological site does not meet the criteria defined in subsection (a), but does meet the definition of a unique archaeological resource in Section 21083.2 of the Public Resources Code, the site shall be treated in accordance with the provisions of section 21083.2. The time and cost limitations described in Public Resources Code Section 21083.2 (c–f) do not apply to surveys and site evaluation activities intended to determine whether the project location contains unique archaeological resources.
- If an archaeological resource is neither a unique archaeological nor a historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment. It shall be sufficient that both the resource and the effect on it are noted in the Initial Study or Environmental Impact Report (EIR), if one is prepared to address impacts on other resources, but they need not be considered further in the CEQA process.

Section 15064.5(d) and (e) contain additional provisions regarding human remains. Regarding Native American human remains, paragraph (d) provides:

> When an initial study identifies the existence of, or the probable likelihood of, Native American human remains within the project, a lead agency shall work with the appropriate Native Americans as identified by the Native American Heritage Commission as provided in Public Resources Code SS5097.98. The applicant may develop an agreement for treating or disposing of, with appropriate dignity, the human remains and any items associated with Native American burials with the appropriate Native Americans as identified by the Native American Heritage Commission. Action implementing such an agreement is exempt from:
>
> 1. The general prohibition on disinterring, disturbing, or removing human remains from any location other than a dedicated cemetery (Health and Safety Code Section 7050.5); and
> 2. The requirement of CEQA and the Coastal Act.

Under CEQA, an EIR is required to evaluate any impacts on unique archaeological resources (California Public Resources Code section 21083.2.) A "unique archaeological resource" is defined as:

> [A]n archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:
>
> 1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
> 2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
> 3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

(California Public Resources Code section 21083.2(g)). An impact to a non-unique archaeological resource is not considered a significant environmental impact and such non-unique resources need not be further addressed in the EIR (Public Resources Code section 21083.2(a); CEQA Guidelines section 15064.5(c)(4)).

As stated above, CEQA contains rules for mitigation of "unique archaeological resources." For example, "[i]f it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts to be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. Examples of that treatment, in no order of preference, may include, but are not limited to, any of the following:

1. Planning construction to avoid archaeological sites.
2. Deeding archaeological sites into permanent conservation easements.
3. Capping or covering archaeological sites with a layer of soil before building on the sites.
4. Planning parks, greenspace, or other open space to incorporate archaeological sites." (Pub. Resources Code section 21083.2(b)(1)-(4).)

Public Resources Code section 21083.2(d) states that "[e]xcavation as mitigation shall be restricted to those parts of the unique archaeological resource that would be damaged or destroyed by the project. Excavation as mitigation shall not be required for a unique archaeological resource if the lead agency determines that testing or studies

already completed have adequately recovered the scientifically consequential information from and about the resource, if this determination is documented in the environmental impact report."

The rules for mitigating impacts to archaeological resources to qualify as "historic resources" are slightly different. According to CEQA Guidelines section 15126.4(b), "[p]ublic agencies should, whenever feasible, seek to avoid damaging effects on any historic resource of an archaeological nature. The following factors shall be considered and discussed in an EIR for a project involving such an archaeological site:

A. Preservation in place is the preferred manner of mitigating impacts to archaeological sites. Preservation in place maintains the relationship between artifacts and the archaeological context. Preservation may also avoid conflict with religious or cultural values of groups associated with the site.
B. Preservation in place may be accomplished by, but is not limited to, the following:
    1. Planning construction to avoid archaeological sites;
    2. Incorporation of sites within parks, greenspace, or other open space;
    3. Covering the archaeological sites with a layer of chemically stable soil before building tennis courts, parking lots, or similar facilities on the site[; and]
    4. Deeding the site into a permanent conservation easement.

Thus, although section 21083.2 of the Public Resources Code, in addressing "unique archaeological sites," provides for specific mitigation options "in no order of preference," CEQA Guidelines section 15126.4(b), in addressing "historical resources of an archaeological nature," provides that "[p]reservation in place is the preferred manner of mitigating impacts to archaeological sites."

Under CEQA, "[w]hen data recovery through excavation is the only feasible mitigation," the lead agency may cause to be prepared and adopt a "data recovery plan," prior to any excavation being undertaken. The data recovery plan must make "provision for adequately recovering the scientifically consequential information from and about the historic resource." (CEQA Guidelines section 15126.4(b)(3)(C).) The data recovery plan also "must be deposited with the California Historical Resources Regional Information Center." (*Ibid*.) Further, "[i]f an artifact must be removed during project excavation or testing, curation may be an appropriate mitigation." (*Ibid*.)

However, "[d]ata recovery shall not be required for an historical resource if the lead agency determines that testing or studies already completed have adequately recovered the scientifically consequential information from and about the archaeological or historic resource, provided that determination is documented in the EIR and that the studies are deposited with the California Historical Resources Regional Information Center." (CEQA Guidelines Section 15126.4(b)(3)(D).)

3 Results

3.1 Records Search

Dudek performed a California Historical Resources Information Systems (CHRIS) records search on March 15, 2023, at the South Coastal Information Center (SCIC) located on the campus of California State University, San

Diego. The records search provided information on all documented cultural resources and previous archaeological investigations within the Project area and a one-mile radius of the Project aera.

3.1.1 Previous Cultural Resources Reports

The records search results revealed that 82 previous cultural resources studies have been conducted within a one-mile radius of the Project area. Of the 82 previous studies, four studies intersect the Project area and are listed in Table 1 below. These studies consist of a regional archaeological survey, two archaeological resources inventory reports, and an extended phase I and phase II testing and evaluation report. Overall, approximately 10% of the Project area has been subject to previous cultural resources investigations. All intersecting studies have resulted in negative findings within the overlapping portions of the Project area. The results of this records search are attached as part of Confidential Appendix A.

Table 1. Cultural Resources Studies Intersecting Project Area

Report Number	Authors	Date	Title
SD-00546	Cupples, Sue Ann	1975	An Archaeological Survey of the San Diego River Valley
SD-05043	Corum, Joyce	1985	First Addendum Archaeological Survey for Proposed State Route 52 Santo Road to State Route 67 (Portion) 11-SD-52 P.M. 7.3/17.2 11222-047050
SD-04934	Caltrans	1986	Extended Phase I and Phase II Archaeological Test Excavations at Sites CA-SDi-205, 5053, 8594, 9242, and 10,148 Santee, California 11-SD-52 P.M. 7.3/17.2 11222-047050
SD-19383	ASM Affiliates, Inc.	2016	Update to the Revised Preliminary Cultural Resources Study to Support the Padre Dam Municipal Water District Master Plan Update Pier, San Diego County, California

3.1.2 Previously Recorded Cultural Resources

The SCIC records search did not identify any cultural resources within the Project area, though it did identify 20 cultural resources within a one-mile radius of the Project area (Table 2). Of the 20 resources identified within the one-mile radius, twelve are prehistoric resources, six are historic resources, and two are multicomponent resources. Additionally, two historic addresses, one with multiple historic structures, were recorded within the one-mile radius of the Project area, but do not intersect it. The results of this records search and all DPR forms are attached as part of Confidential Appendix A.

Table 2. Previously Recorded Cultural Resources within One-Mile of Project Area

Primary Number	Trinomial	Age	Description	In/Out of Project Area
P-37-005148	CA-SDI-005148	Prehistoric	AP4; Bedrock milling slicks	Out
P-37-005669	CA-SDI-005669	Prehistoric	AP15; Lithic and groundstone scatter	Out
P-37-005827	CA-SDI-005827	Prehistoric	AP4; Bedrock milling slick	Out

Table 2. Previously Recorded Cultural Resources within One-Mile of Project Area

Primary Number	Trinomial	Age	Description	In/Out of Project Area
P-37-006936	CA-SDI-006936	Prehistoric	AP2; Lithic scatter	Out
P-37-006937	CA-SDI-006937	Prehistoric	AP12; Quartz quarry	Out
P-37-009248	CA-SDI-009248	Historic	HP11; Agricultural complex with silos, cement building foundations, and animal troughs	Out
P-37-010451	CA-SDI-010451	Prehistoric	AP2, AP4; Bedrock milling feature with associated lithic scatter	Out
P-37-014840	-	Prehistoric	Lithic isolate	Out
P-37-014841	-	Prehistoric	Lithic isolate	Out
P-37-019056	CA-SDI-015815	Historic	AH2, AH5; Hillside Meadows Homestead Complex	Out
P-37-019057	-	Prehistoric	Lithic isolate	Out
P-37-020175	-	Historic	Edgemoor Senior Center	Out
P-37-026563	-	Prehistoric	AP10; Millingstone cache	Out
P-37-028466	-	Prehistoric	Lithic isolate	Out
P-37-030482	CA-SDI-019370	Prehistoric	AP15; Lithic and groundstone scatter	Out
P-37-032655	CA-SDI-020693	Historic	AH5; Cistern	Out
P-37-032878	CA-SDI-020778	Multicomponent	AP15; Prehistoric midden deposit with HR and historic refuse	Out
P-37-034298	-	Historic	HP2; James and Margaret O'Connell Residence and Barn	Out
P-37-036592	CA-SDI-022115	Historic	AH5; Cistern and refuse scatter	Out
P-37-039090	CA-SDI-022955	Multicomponent	AH2, AH11, AP4, AP15; Bedrock milling features and Santee School	Out

3.2 Archival Research

In addition to the SCIC records search, Dudek conducted an online review of Bureau of Land Management (BLM) General Land Office Records, historical topographic (topo) maps, and historic aerial photographs to understand the development of the Project area and surrounding properties over time. The Project area was first recorded within Lot No. 37 of The Rancho El Cajon Land Grant in an 1883 original survey for the BLM by William H. Brown (BLM 2023). Historic topo maps of the Project area are available from 1893 to 1996 (USGS 2023). The first historic topo from 1883 shows the Project area within the natural path of the San Diego River. South of the Project area there is an established roadway and railway running roughly parallel to the San Diego River on a northeast to southwest axis. The surrounding areas remain undeveloped. There is little change within the Project area and its immediate surroundings as depicted in the historic topos until 1939. By then, it appears that the San Diego River has been diverted to the north of the Project area. By 1955, an established dirt road is shown running through the center of the Project area on a north to south axis. Although additional development appears to the south, the Project area remains undeveloped. By 1967, the Project area has been developed into a drive-in theatre. The historic topo shows a single structure in the middle of the Project area with an established road leading up to it from Riverford Road

(now Woodside Avenue N.). There are two additional structures to the east of the Project area, and a residential community to the southeast, across State Route 67 (SR 67). Although there is additional development within the surrounding areas over the next 20 years as depicted in the historic topos, the Project area remains unchanged (USGS 2023).

Historic aerial photographs (historic aerials) of the Project area are available from 1953 to 2020 and provide more detail on the historic development of the subject property and surrounding properties through time (NETR 2023). The earliest historic aerial from 1953 shows the Project area as irrigated cropland with an established dirt road running through it on a north to south axis. The San Diego Riverbed lies to the north of the Project area, and there are several structures to the south with frontage on Woodside Avenue N. By 1964, the Project area has been developed into a drive-in theatre and appears to be predominantly a dirt parking lot. There is a single structure in the middle of the Project area and a screen in the northwest corner of the Project area. Additionally, there appears to be a dirt road leading from the front of the Project area out to Woodside Avenue N. The northernmost portion of the project area abutting the San Diego Riverbank remains undeveloped. By 1968, an established pathway appears along the northern boundary of the Project area running parallel to the riverbank, while the remaining Project area remains unchanged. It is not until 1978 that the Project area appears to have been entirely paved over and the parking area has been rearranged to accommodate an additional screen, located opposite the first, in the southeast corner. There also appears to be another structure along the eastern boundary of the Project area. The Project area displays no discernible changes since the 1978 historical aerial photograph (NETR 2023).

3.3 Review of Geomorphological Context

According to the U.S. Department of Agriculture Natural Resources Conservation Services (USDA 2023), two soil types are mapped within the Project area. 98% of the Project area consists of Visalia sandy loam, 0 to 2 percent slopes. The Visalia sandy loam soil series generally occurs in settings with alluvial fans deriving from granite bedrock and is found in areas with elevations ranging from 600 to 1,200 feet above sea level. The remainder of the Project area (2%) consists of Riverwash. Riverwash is found along drainageway landforms and is characterized as a sandy, gravelly, or cobbly alluvium typically derived from mixed sources and occurs at elevations between 700 to 2,900 feet above sea level.

3.4 NAHC and Tribal Correspondence

Dudek requested a Native American Heritage Commission (NAHC) search of the Sacred Lands File (SLF) for the Project area on March 13, 2023. The SLF consists of a database of known Native American resources. These resources may not be included in the SCIC database. The NAHC SLF results, received March 28, 2023, reported that the Project area is positive for Native American Cultural resources (Appendix B). Additionally, the NAHC provided a list of 20 Native American tribes and individuals/organizations with traditional geographic associations that might have knowledge of cultural resources in the area. Tribal outreach letters were mailed on April 5, 2023, to all Native American group representatives included on the NAHC contact list (Appendix B). These letters attempted to solicit information relating to Native American resources that may be impacted by Project implementation. Native American representatives were requested to define a general area where known resources intersect the Project area. To date, Dudek has received one response to this information request. This response is paraphrased below:

Bernice Paipa of the Sycuan Band of the Kumeyaay Nation Cultural Resource Center and Museum (Sycuan Band) responded on April 13, 2023. Ms. Paipa's response indicated that the Project area is within the boundaries the Sycuan Band considers their Traditional Use Area and is near known locations of Kumeyaay cultural resources. No specific locational information or descriptions were provided. Ms. Paipa requests that a qualified Kumeyaay Cultural Monitor be on site for any surveys, site visits or ground disturbing activities.

Any additional responses to these outreach letters will be forwarded to the City and included in subsequent drafts of the report.

In compliance with Assembly Bill 52, the City, as lead agency, is responsible for conducting government to government consultation with pertinent tribal entities. For information regarding Assembly Bill 52, please refer to the Project's CEQA document.

3.5 Intensive Pedestrian Survey

Dudek archaeologist Matthew DeCarlo and Red Tail Environmental Native American Monitor Natasha Eggan conducted a site visit of the proposed Project area on March 31, 2023. The site visit employed standard archaeological procedures and techniques consistent with the Secretary of the Interior Standards. When possible, 15-meter interval survey transects were conducted oriented in cardinal direction. Where the ground surface was visible, the ground surface was examined for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, stone milling tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of the current or former presence of structures or buildings (e.g., standing exterior walls, post holes, foundations), and historic artifacts (e.g., metal, glass, ceramics, building materials). Ground disturbances such as rodent/reptile burrows, cut banks, and drainages were also visually inspected for exposed subsurface materials.

The Project area is flat and almost completely developed, consisting predominantly of paved parking areas, structures associated with the Santee Drive-In Theatre, and some minor landscaping. Only the northernmost portion of the Project area along the San Diego Riverbank was unpaved. Within the unpaved portion of the Project area, ground visibility was high because the southern bank of the San Diego River had been terraced and is level with minimal vegetation. Modern debris (e.g., refuse, plastic fragments, irrigation pipes, glass fragments) were strewn throughout this northern portion of the Project area. The pedestrian survey did not identify any archaeological resources within the Project area. The Santee Drive-in Theatre and its associated structures were noted as existing within the Project area during the pedestrian survey.

4 Summary and Management Considerations

4.1 Archaeological Recommendations

Dudek's archaeological resources inventory of the Project indicates that there is moderate potential for the inadvertent discovery of archaeological resources during Project implementation. Although the SCIC records search and the site visit did not identify any archaeological resources within the Project area, there are 20 cultural resources within a one-mile radius of the Project area. Additionally, the NAHC has indicated that known Native American cultural resources are in the vicinity of the Project area. Due to this and the Projects proximity to the bank of the San Diego River, there is an increased potential that Project associated ground disturbance will impact

unanticipated archaeological resources. Dudek recommends full-time archaeological and Native American monitoring during initial ground disturbance for this Project. If disturbed sediments (e.g., fill) or other sediments and formations are identified that do not have the potential to contain archaeological resources, then monitoring may be reduced or terminated.

4.2 Mitigation Measures

The following mitigation measures (MM) would reduce the potential for impacts on archaeological resources.

MM-CUL-1

In order to mitigate impacts to cultural resources to a level that is less than significant, procedures for proper treatment of unanticipated archaeological finds must comply with the California Environmental Quality Act (CEQA) Guidelines. Adherence to the following requirements during initial earth-disturbing activities will assure the proper treatment of unanticipated archaeological or Native American cultural material:

1. An archaeological monitor and a Kumeyaay Native American monitor shall be present full-time during all initial ground-disturbing activities. If proposed project excavation later present evidence suggesting a decrease in cultural sensitivity, the monitoring schedule can be reduced pending archaeological, Native American, and City consultation.
2. In the event that there is an unanticipated discovery of potentially significant archaeological resources, the archaeological monitor, Native American monitor, construction or other personnel shall have the authority to divert or temporarily halt ground disturbance operations within at least 50 feet (dependent on characteristics of the discovery) in the area of the find. Construction activities may continue in other areas but should be redirected a safe distance from the find. The archaeological monitor shall evaluate and minimally document isolates and clearly non-significant deposits in the field. If the discovery is evaluated and found to be significant under CEQA and avoidance is not feasible, additional work such as data recovery may be warranted. A data recovery plan shall be developed by the qualified archaeologist in consultation with the City and Native American representatives, if applicable. Ground disturbance can continue only after the resources has been properly mitigated and with approval by the City.

MM-CUL-2

In order to mitigate impacts to human remains to a level that is less than significant, procedures for proper treatment of unanticipated discoveries must comply with the California Environmental Quality Act (CEQA) Guidelines. In the event of discovery of unanticipated human remains, personnel shall comply with Public Resources Code Section 5097.98, CEQA Section 15064.5, and Health and Safety Code Section 7050.5 during earth-disturbing activities:

1. If any human remains are discovered, the construction personnel or the appropriate representative shall contact the County Coroner and the City. Upon identification of human remains, no further disturbance shall occur in the area of the find until the County Coroner has made the necessary findings as to origin. If the remains are determined to be of Native American origin, the Most Likely Descendant, as identified by the Native American Heritage Commission, shall be contacted by the property owner or their representative in order to

determine proper treatment and disposition of the remains. The immediate vicinity where the Native American human remains are located is not to be damaged or disturbed by further development activity until consultation with the Most Likely Descendant regarding their recommendations as required by California Public Resources Code Section 5097.98 has been conducted. California Public Resources Code Section 5097.98, CEQA Section 15064.5 and Health & Safety Code Section 7050.5 shall be followed.

Should you have any questions relating to this report and its findings, please do not hesitate to contact me at 760.557.0998 or rbakhtiary@dudek.com.

Respectfully Submitted,

Roshanne Bakhtiary, M.A.
Archaeologist

Att.: *Figure 1, Project Location Map*
Figure 2, Project Area Map
Figure 3, Overview of Project area, view facing southeast
Figure 4, Northern boundary of Project area, view facing east
National Archaeological Database Information
Confidential Appendix A, SCIC Records Search Results
Appendix B, NAHC Correspondence and Tribal Outreach
cc: *Matthew DeCarlo, Micah Hale, Dudek*

5 References

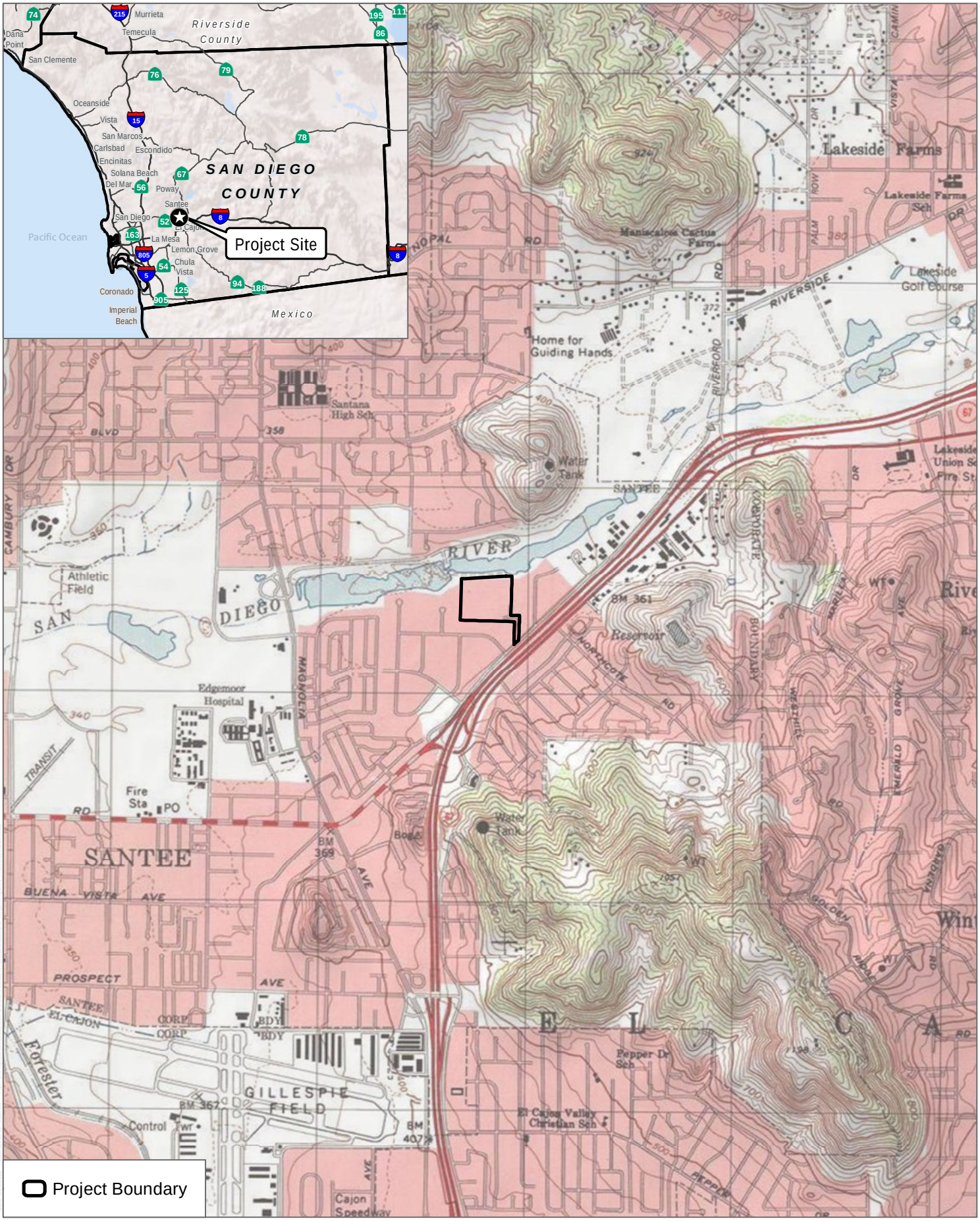
City of Santee General Plan. 2003. Accessed December 12, 2022. https://www.cityofsanteeca.gov/home/showpublisheddocument/7199/636336570186700000

BLM (Bureau of Land Management). 2023. General Land Office Records search for 10990 Woodside Ave N., Santee, CA 92071. Accessed May 5, 2023. https://glorecords.blm.gov/

NETR (National Environmental Title Research). 2023. Address search for 10990 Woodside Ave N., Santee, CA 92071. Accessed May 5, 2023. https://www.historicaerials.com/

USDA (United States Department of Agriculture). 2023. Natural Resources Conservation Service Soil Web Survey. Accessed May 02, 2023. https://websoilsurvey.nrcs.usda.gov/

USGS (United States Geological Survey). 2023. Address search for 10990 Woodside Ave N., City of Santee, California. Accessed May 5, 2023. https://www.historicaerials.com/



SOURCE: USGS 7.5-Minute Series El Cajon Quadrangle
Township 15S; Range 1W; Sections 23, 26.

DUDEK

FIGURE 1

Project Location

Santee Warehouse Project

SOURCE: SANGIS 2019

DUDEK

0 50 100 Feet

FIGURE 2

Project Area

Santee Warehouse Project

Figure 3. Overview of Project area, view facing southeast.

Figure 4. Northern boundary of Project area, view facing east.

National Archaeological Database (NADB) Information

Authors:	Roshanne Bakhtiary, MA, Matthew DeCarlo MA, RPA., Micah Hale PhD, RPA.
Firm:	Dudek
Project Proponent:	North Palisade Partners
Report Date:	December 2023
Report Title:	Archaeological Resources Inventory Report for the Palisade Santee Commerce Center Project, City of Santee, California
Type of Study:	Archaeological Resources Inventory
Resources:	None
USGS Quads:	El Cajon, California, Township 15 South, Range 1 West, Section 23
Acreage:	13.66-acres
Permit Numbers:	N/A
Keywords:	Inventory, Negative, City of Santee, San Diego River, Santee Drive-In Theater

Confidential Appendix A

SCIC Records Search Results

Appendix B

NAHC Correspondence and Tribal Outreach

From: Matthew DeCarlo

Sent: Monday, March 13, 2023 1:30 PM

To: NAHC@NAHC

Subject:Santee Warehouse Project (PN 15138)

Attachments: Records_Search_Map.pdf; Sacred Lands File Contact Form.pdf

Hello,

May I please request a search of the SLF for the Santee Warehouse Project (PN 15138). Attached is the request sheet and records search map.

Please let me know if any additional information is required.

-Matt

Matthew M. DeCarlo, MA

Archaeologist

605 Third Street, Encinitas, CA 92024

O: 760.479.4831 C: 760.815.7067

www.mdecarlo@dudek.com

Sacred Lands File & Native American Contacts List Request

NATIVE AMERICAN HERITAGE COMMISSION
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95501
(916) 373-3710
(916) 373-5471 – Fax
nahc@nahc.ca.gov

Information Below is Required for a Sacred Lands File Search

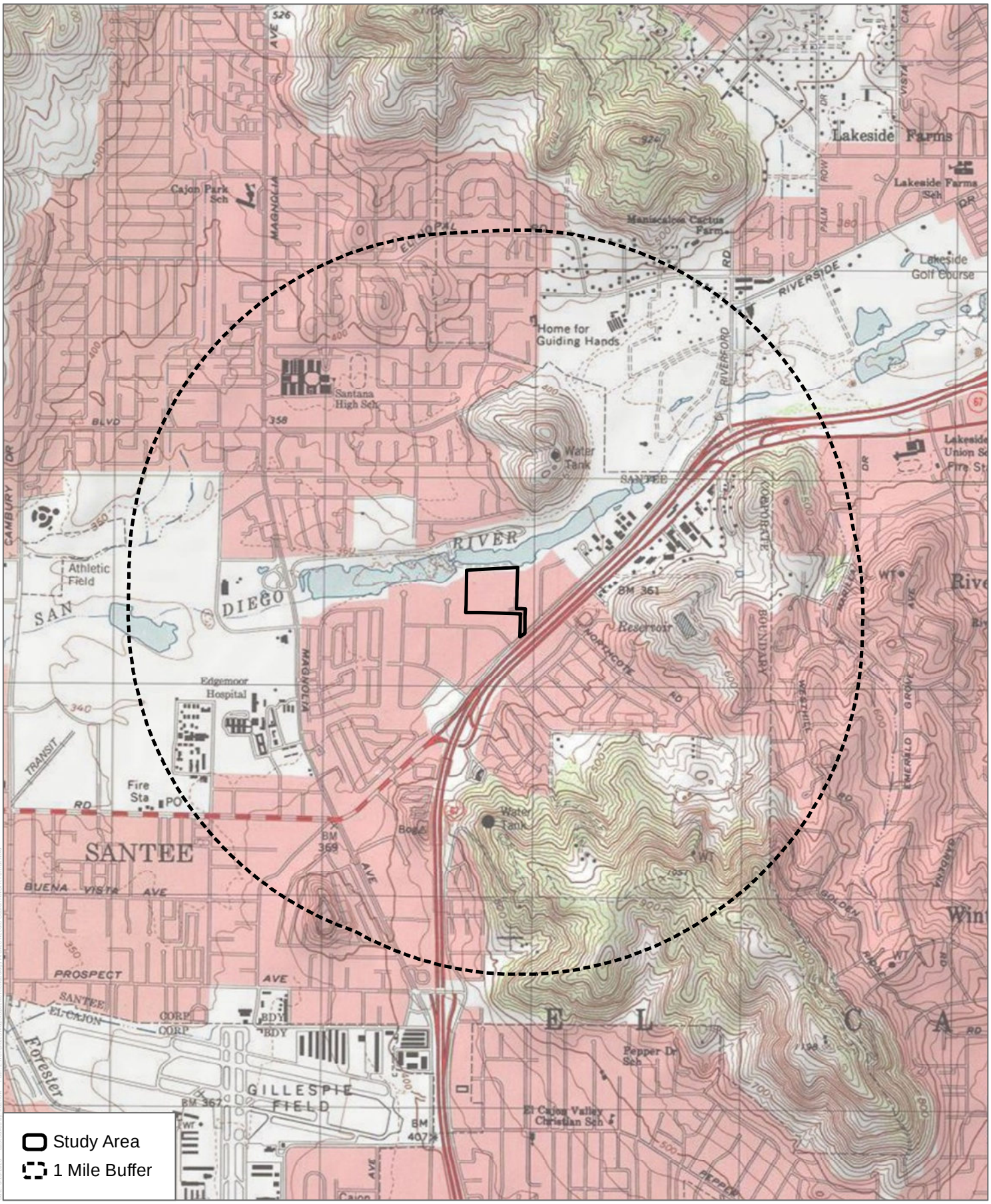
Project: Santee Warehouse Project - Dudek No. 15138
County: Dudek

USGS Quadrangle
Name: El Cajon
Township: 15 S Range: 1W Section(s): Unsectioned

Company/Firm/Agency:
Dudek
Contact Person: Matthew DeCarlo
Street Address: 605 Third Street
City: Encinitas, CA Zip: 92024
Phone: (760) 815-7067 Extension:
Fax: (760) 632-0164
Email: mdecarlo@dudek.com

Project Description:
Redevelopment of an existing drive-in theater into a warehouse.

☑ Project Location Map is attached



SOURCE: USGS 7.5-Minute Series El Cajon Quadrangle
Township 15S; Range 1W; Sections 14, 15, 22, 23, 24, 25, 26, 27

DUDEK

0 1,000 2,000 Feet
0 285 570 Meters
1:24,000

Records Search

Santee Warehouse Project

From: Torres-Fuentes, Pricilla@NAHC <Pricilla.Torres-Fuentes@nahc.ca.gov>

Sent: Tuesday, March 28, 2023 4:16 PM

To: Matthew DeCarlo

Subject: Santee Warehouse - Dudek No. 15138 Project

Attachments: SLF All 2022 Santee Warehouse - Dudek No. 15138 Project 3.28.23.pdf; Santee Warehouse - Dudek No. 15138 list.pdf

Good afternoon,

Attached is the response to the project referenced above. If you have any additional questions, please feel free to contact our office email at nahc@nahc.ca.gov.

Regards,

Pricilla Torres-Fuentes

Native American Heritage Commission

1550 Harbor Blvd. Suite 100

West Sacramento, CA 95691

Pricilla.Torres-Fuentes@nahc.ca.gov

(916)373-3714 Direct

(916)373-3710 Office

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

SECRETARY
Sara Dutschke
Miwok

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

COMMISSIONER
Wayne Nelson
Luiseño

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
[VAVANT]

COMMISSIONER
[VACANT]

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok/Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

March 28, 2023

Matthew DeCarlo
Dudek

Via Email to: mdecarlo@dudek.com

Re: Santee Warehouse - Dudek No. 15138 Project, San Diego County

Dear Mr. DeCarlo:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were positive. Please contact the tribes on the attached list for more information. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Pricilla.Torres-Fuentes@nahc.ca.gov.

Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
San Diego County
3/28/2023

Barona Group of the Capitan Grande
Raymond Welch, Chairperson
1095 Barona Road Diegueno
Lakeside, CA, 92040
Phone: (619) 443 - 6612
Fax: (619) 443-0681
counciloffice@barona-nsn.gov

Campo Band of Diegueno Mission Indians
Ralph Goff, Chairperson
36190 Church Road, Suite 1 Diegueno
Campo, CA, 91906
Phone: (619) 478 - 9046
Fax: (619) 478-5818
rgoff@campo-nsn.gov

Ewiiaapaayp Band of Kumeyaay Indians
Robert Pinto, Chairperson
4054 Willows Road Diegueno
Alpine, CA, 91901
Phone: (619) 368 - 4382
Fax: (619) 445-9126
ceo@ebki-nsn.gov

Ewiiaapaayp Band of Kumeyaay Indians
Michael Garcia, Vice Chairperson
4054 Willows Road Diegueno
Alpine, CA, 91901
Phone: (619) 933 - 2200
Fax: (619) 445-9126
michaelg@leaningrock.net

Iipay Nation of Santa Ysabel
Clint Linton, Director of Cultural Resources
P.O. Box 507 Diegueno
Santa Ysabel, CA, 92070
Phone: (760) 803 - 5694
clint@redtailenvironmental.com

Iipay Nation of Santa Ysabel
Virgil Perez, Chairperson
P.O. Box 130 Diegueno
Santa Ysabel, CA, 92070
Phone: (760) 765 - 0845
Fax: (760) 765-0320

Inaja-Cosmit Band of Indians
Rebecca Osuna, Chairperson
2005 S. Escondido Blvd. Diegueno
Escondido, CA, 92025
Phone: (760) 737 - 7628
Fax: (760) 747-8568

Jamul Indian Village
Lisa Cumper, Tribal Historic Preservation Officer
P.O. Box 612 Diegueno
Jamul, CA, 91935
Phone: (619) 669 - 4855
lcumper@jiv-nsn.gov

Jamul Indian Village
Erica Pinto, Chairperson
P.O. Box 612 Diegueno
Jamul, CA, 91935
Phone: (619) 669 - 4785
Fax: (619) 669-4817
epinto@jiv-nsn.gov

Kwaaymii Laguna Band of Mission Indians
Carmen Lucas,
P.O. Box 775 Kwaaymii
Pine Valley, CA, 91962 Diegueno
Phone: (619) 709 - 4207

La Posta Band of Diegueno Mission Indians
Gwendolyn Parada, Chairperson
8 Crestwood Road Diegueno
Boulevard, CA, 91905
Phone: (619) 478 - 2113
Fax: (619) 478-2125
LP13boots@aol.com

La Posta Band of Diegueno Mission Indians
Javaughn Miller, Tribal Administrator
8 Crestwood Road Diegueno
Boulevard, CA, 91905
Phone: (619) 478 - 2113
Fax: (619) 478-2125
jmiller@LPtribe.net

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Santee Warehouse - Dudek No. 15138 Project, San Diego County.

Native American Heritage Commission
Native American Contact List
San Diego County
3/28/2023

Manzanita Band of Kumeyaay Nation
Angela Elliott Santos, Chairperson
P.O. Box 1302 Diegueno
Boulevard, CA, 91905
Phone: (619) 766 - 4930
Fax: (619) 766-4957

Mesa Grande Band of Diegueno Mission Indians
Michael Linton, Chairperson
P.O Box 270 Diegueno
Santa Ysabel, CA, 92070
Phone: (760) 782 - 3818
Fax: (760) 782-9092
mesagrandeband@msn.com

San Pasqual Band of Diegueno Mission Indians
John Flores, Environmental Coordinator
P. O. Box 365 Diegueno
Valley Center, CA, 92082
Phone: (760) 749 - 3200
Fax: (760) 749-3876
johnf@sanpasqualtribe.org

San Pasqual Band of Diegueno Mission Indians
Allen Lawson, Chairperson
P.O. Box 365 Diegueno
Valley Center, CA, 92082
Phone: (760) 749 - 3200
Fax: (760) 749-3876
allenl@sanpasqualtribe.org

Sycuan Band of the Kumeyaay Nation
Cody Martinez, Chairperson
1 Kwaaypaay Court Kumeyaay
El Cajon, CA, 92019
Phone: (619) 445 - 2613
Fax: (619) 445-1927
ssilva@sycuan-nsn.gov

Sycuan Band of the Kumeyaay Nation
Kristie Orosco, Kumeyaay Resource Specialist
1 Kwaaypaay Court Kumeyaay
El Cajon, CA, 92019
Phone: (619) 445 - 6917

Viejas Band of Kumeyaay Indians
Ernest Pingleton, Tribal Historic Officer, Resource Management
1 Viejas Grade Road Diegueno
Alpine, CA, 91901
Phone: (619) 659 - 2314
epingleton@viejas-nsn.gov

Viejas Band of Kumeyaay Indians
John Christman, Chairperson
1 Viejas Grade Road Diegueno
Alpine, CA, 91901
Phone: (619) 445 - 3810
Fax: (619) 445-5337

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Santee Warehouse - Dudek No. 15138 Project, San Diego County.

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. John Christman, Chairperson
Viejas Band of Kumeyaay Indians
1 Viejas Grade Rd.
Alpine, CA 91901

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Christman,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Ms. Lisa Cumper, THPO
Jamul Indian Village
P.O. Box 612
Jamul, CA 91935

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Ms. Cumper,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. John Flores, Environmental Coordinator
San Pasqual Band of Diegueno Mission Indians
P.O. Box 365
Valley Center, CA 92082

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Flores,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. Michael Garcia, Vice Chairperson
Ewiiaapaayp Band of Kumeyaay Indians
4054 Willows Road
Alpine, CA 91901

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Garcia,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. Ralph Goff, Chairperson
Campo Band of Diegueno Mission Indians
36190 Church Road, Suite 1
Campo, CA 91906

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Goff,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. Allen E. Lawson, Chairperson
San Pasqual Band of Diegueno Mission Indians
P.O. Box 365
Valley Center, CA 92082

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Lawson,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. Clint Linton, Director of Cultural Resources
Ipay Nation of Santa Ysabel
P.O. Box 507
Santa Ysabel, CA 92070

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Linton,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. Michael Linton, Chairperson
Mesa Grande Band of Dieguneo Mission Indians
P.O. Box 270
Santa Ysabel, CA 92070

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Linton,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Ms. Carmen Lucas,
Kwaaymii Laguna Band of Mission Indians
P.O. Box 775
Pine Valley, CA 91962

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Ms. Lucas,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. Cody Martinez, Chairperson
Sycuan Band of the Kumeyaay Nation
1 Kwaaypaay Court
El Cajon, CA 92019

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Martinez,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Ms. Javaughn Miller, Tribal Administrator
La Posta Band of Diegueno Mission Indians
8 Crestwood Rd.
Boulevard, CA 91905

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Ms. Miller,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Ms. Kristie Orosco, Resource Specialist
Sycuan Band of the Kumeyaay Nation
1 Kwaaypaay Court
El Cajon, CA 92019

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Ms. Orosco,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Ms. Rebecca Osuna, Chairperson
Inaja-Cosmit Band of Indians
2005 S. Escondido Blvd.
Escondido, CA 92025

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Ms. Osuna,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Ms. Gwendolyn Parada, Chairperson
La Posta Band of Diegueno Mission Indians
8 Crestwood Rd.
Boulevard, CA 91905

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Ms. Parada,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. Virgil Perez, Chairperson
Iipay Nation of Santa Ysabel
P.O. Box 130
Santa Ysabel, CA 92070

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Perez,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. Ernest Pingleton, Tribal Historic Officer
Viejas Band of Kumeyaay Indians
1 Viejas Grade Rd.
Alpine, CA 91901

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Pingleton,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. Robert Pinto, Chairperson
Ewiaapaayp Band of Kumeyaay Indians
4054 Willow Rd.
Alpine, CA 91901

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Pinto,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Ms. Erica Pinto, Chairperson
Jamul Indian Village
P.O. Box 612
Jamul, CA 91935

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Ms. Pinto,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

_____
Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Ms. Angela Elliott Santos, Chairperson
Manzanita Band of Kumeyaay Nation
P.O. Box 1302
Boulevard, CA 91905

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Ms. Santos,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 31, 2023 15138

Mr. Raymond Welch, Chairperson
Barona Group of the Capitan Grande
1095 Barona Road
Lakeside, CA 92040

Subject: Information Request for the Santee Warehouse Project in the City of Santee, CA, San Diego County, California

Dear Mr. Welch,

A private developer proposes the development of a currently paved lot into a warehouse in the City of Santee, CA. The area falls within unsectioned land of Township 15S/ Range 1W of the El Cajon, CA 1:24,000 USGS maps (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 815-7067
Email: mdecarlo@dudek.com

April 13, 2023

Matthew DeCarlo, M.A., Archaeologist
DUDEK
Mdecarlo@dudek.com

RE: Santee Warehouse Project in the City of Santee, Ca San Diego County

Dear Matthew De Carlo,

The Sycuan Band of the Kumeyaay Nation cultural Resource Center and Museum has reviewed your request for information in regards to Santee Warehouse Project in the City of Santee, CA; San Diego County. This letter constitutes our response on behalf of Sycuan Tribal Chairman Cody Martinez.

We have consulted our maps and determined the project described is not within the boundaries of the recognized Sycuan Indian Reservation. However, The Kumeyaay Nation is recognized by Feral statutes under the 9th District courts and by State of California joint assembly resolution, RJR-60 Kumeyaay (Goldberg), which outlines boundaries of the Kumeyaay Nation.

We have determined it is within the boundaries of the territory Sycuan considers its Traditional Use Area (TUA). Santee and map you provided is located in the territory identified as Kumeyaay, and is near know locations of Kumeyaay Cultural resources. If there are surveys, site visits or ground disturbances of any sort planned, Sycuan asserts a qualified Kumeyaay Monitor be present.

In all cases, when the Native American Heritage Commission states "there are no records of sacred sites in the project area" the NAHC will always refer lead agencies to the respective Native American Tribe because the a NAHC is only aware of general information and are not the experts on each California Tribe. Please note, if they haven't been listed with the NAHC, it doesn't mean they are not there.

We urge you to contact the other respective Kumeyaay Bands of this area if you have not done so already. (i.e. Barona, Viejas, San Pasqual) Given their closer proximity to the area they may have knowledge of sensitive cultural resources and or sites that have not been made public. While the project may be located in an area that has been previously disturbed or developed, numerous examples can be shared to show there still is a possibility unknown, yet significant cultural resources will be encountered during ground disturbance activities.

*Please note the Sycuan Cultural Resource Center and Museum has had some recent department restructuring and along with Tribal Chairman Martinez, the person of contact for these future matters will include:

Sycuan Cultural Resource Center & Museum
Charlene Elliott, Director
910 Willow Glen Drive
El Cajon, CA 92019

cworrell@sycuan-sns.gov
619-445-6917 Ext. 102

and

Bernice Paipa, Culture Resource Specialist
910 Willow Glen Drive
El Cajon, CA 92019
bpaipa2@sycuan-nsn.gov
619-445-6917 Ext. 105

All information can be mailed or emailed to us directly.

Sincerely,

Bernice Paipa

Bernice Paipa
Cultural Resource Specialist

Appendix F
Historical Assessment

March 2025

HISTORICAL ASSESSMENT
OF THE
10990 NORTH WOODSIDE AVENUE PROPERTY
SANTEE, CALIFORNIA 92071

Executive Summary

This Historical Assessment was prepared at the request of North Palisade Partners in order to determine the potential historical significance of a former drive-in theatre/motion picture (film) complex, previously known as the "Santee Drive-In Theatre," (the "Former Drive-In Theatre") located at 10990 North Woodside Avenue in the City of Santee, California (the "Property"), according to National Register of Historic Places and California Register of Historical Resources designation criteria. The study was prepared in order to determine the potential significance of the Property in conjunction with environmental review of the "Palisade Santee Commerce Center Project" ("Project") under the California Environmental Quality Act ("CEQA"). The Former Drive-In Theatre has ceased operations.

The Former Drive-In Theatre on the Property consists of eight (8) main components: two (2) drive-in motion picture screens (Screen #1 and Screen #2); one (1) Concessions Building; two (2) parking lots (one for each movie screen); two (2) Ticket Booths; and one (1) Entrance Sign. The site was originally developed in 1962 with the construction of the Entrance Sign, Concessions Building, Screen #1 and parking lot. It was later expanded c.1976 with the construction of Screen #2 and parking lot, the Ticket Booths, and ancillary storage sheds. The identities of the architects, designers, and/or builders responsible for the construction of the structures are not known. Sometime between 1964-1967, the Property became used once a week, during the day, as the "Santee Swap Meet." Over the years, the Property has not been substantially modified and/or altered from that of its original design/construction, but it has naturally deteriorated over time. Today, the site functions as an open, surface parking lot.

Despite its unremarkable and undistinguished appearance, and the fact that the site no longer functions as a drive-in theatre, historical research indicates that the Former Drive-in Theatre on the Property could be architecturally significant under National Register of Historic Places Criterion C (Design/Construction) and California Register of Historical Resources Criterion 3 (Design/Construction) for its type, period, and method of 1960s-1970s drive-in movie theatre construction. As one of only two remaining drive-in movie theatres in San Diego County which displays character-defining features associated with drive-in movie theatre architecture, this Historical Assessment conservatively determines that the Former Drive-in Theatre on the Property is eligible for listing on the National Register of Historic Places and California Register of Historical Resources at the local level of significance.

Accordingly, the Former Drive-in Theatre on the Property is conservatively assumed to be a historical resource under CEQA, and therefore, mitigation measures have been

recommended, including Historic American Building Survey (HABS) documentation; an interpretative historic display; relocation and rehabilitation of the Entrance Sign as specified below, and funding for local historical preservation efforts. Although these measures have been proposed to preserve the history and architectural significance of the Former Drive-In Theatre, they will not mitigate the Project impact of demolition to a less-than-significant level under CEQA.

The conservative assumptions and determinations made in this Historical Assessment are made in the interest of a conservative CEQA analysis of the proposed demolition of the Former Drive-In Theatre on the Property as part of the Project. Other recent CEQA determinations involving the demolition of other drive-in theatres in the State of California have concluded that those drive-in theatres are not historical resources under CEQA. For example, the Hi-Way Drive-In Theatre in the City of Santa Maria, the Mission Drive-In Theatre in the City of Montclair, and the Mission Drive-In Theatre (later renamed the Valley Drive-In Theatre) in the City of Oceanside, all of which were built in the 1950s or 1960s, were all deemed to be ineligible for historic designation at the local, state and national levels.[1]

Introduction

Report Organization

This Historical Assessment was prepared in order to determine the potential historical and/or architectural significance of the Former Drive-In Theatre on the Property. The Former Drive-In Theatre on the Property was constructed between 1962-1976, and therefore, it is between 48-62 years of age. Sometime between 1964-1967, the site became used as the "Santee Swap Meet." Since structures that are at least 45 years of age may be considered potential historical resources under CEQA, the Former Drive-In Theatre on the Property was researched and evaluated as a potential historical resource in accordance with National Register of Historic Places (national) criteria California Register of Historical Resources (state) criteria by Scott A. Moomjian, Esq., Historic Property Consultant, from May 2023-January 2024.

This Historical Assessment includes a Title Page; Table of Contents; Executive Summary; Introduction (Report Organization; Project Area; Project Personnel); Project Setting (Physical Project Setting; Project Area and Vicinity; Historical Overview of the Santee community; Property History; and Drive-In Movie Theatres); Methods and Results (Archival Research; Field Survey; and Description Of Surveyed Resources with current photographs); Significance Evaluation; Findings and Conclusions; Bibliography; and Appendices. The Appendices consist of Photographs; San Diego County Commercial-Industrial Building Records; Regional Site Location Map; Project Site Location Map; Aerial Map with Identified Structures/Objects; California Department of Parks & Recreation (DPR) Inventory Forms; and Report Preparer Qualifications (Resume).

[1] See the City of Santa Maria Environmental Checklist/Initial Study for the Peoples Self Help Residential Project dated August 2021; the City of Montclair Draft Environmental Impact Report for the Mission Boulevard and Ramona Avenue Business Park Project dated January 2022; and the City of Oceanside Final Supplemental Environmental Impact Report for the Ocean Kamp Project dated July 2022.

Project Area

The Property is located in the City of Santee, California. It is defined as Assessor's Parcel Number 381-070-52-00. The Property consists of a 13.43-acre lot and contains the Former Drive-In Theatre which was originally built in 1962 and expanded in 1976. The site largely consists of eight (8) main components: two (2) drive-in motion picture screens (Screen #1 and Screen #2); one (1) Concessions Building; two (2) parking lots (one for each movie screen); two (2) Ticket Booths; and one (1) Entrance Sign.

The motion picture screens, and parking lots, are located along the northwest and southeast property elevations; the Concessions Building is located toward the center of the property, the Ticket Booths are located along the east elevation of the parcel, and the Entrance Sign is located toward the southeast elevation. Today, the site serves as an open, surface parking lot.

The Property is located in a built, suburban environment along North Woodside Avenue. It is bounded by the San Diego River to the north, the former drive-in driveway to the east and west, and by Wheatlands Avenue to the west. The area in and around the Property includes industrial uses, while residential development exists just north of the San Diego River. State Route (SR) 67 is also located south of the Property.

The surrounding neighborhood was largely developed beginning around the 1960s. Such development has continued to the present day. The original neighborhood setting in and around the Property generally consisted of open, undeveloped land, as well some with agricultural uses. Over the years, the surrounding area has experienced substantial change, particularly with the construction of newer and larger residential development, as well as the remodeling of existing buildings. Commercial and industrial uses have also proliferated throughout the area. Overall, architectural styles in and around the Property are generally Modern and/or Contemporary, expressed in a vernacular or utilitarian nature.

Project Personnel

Project personnel included Scott A. Moomjian, Esq., Historic Property Consultant, who conducted the field survey, archival research, and prepared the final report with its findings and conclusions.

Project Setting

Physical Project Setting

The Property is located in the City of Santee, California. The physical setting largely developed beginning around the 1960s. Such development has continued to the present day. The original neighborhood setting in and around the Property generally consisted of open, undeveloped land, as well some with agricultural uses. Over the years, the surrounding area has experienced substantial change, particularly with the construction of

newer and larger residential development, as well as the remodeling of existing buildings. Commercial and industrial uses have also proliferated throughout the area. Overall, architectural styles in and around the Property are generally Modern and/or Contemporary, expressed in a vernacular or utilitarian nature.

Project Area and Vicinity

The overall area in and around the Property is residential, commercial, and industrial and consists of a variety of different single and multi-story buildings. The original neighborhood area in and around the Property generally consisted of open, undeveloped land, as well some with agricultural uses. Over the years, the surrounding area has experienced substantial change, particularly with the construction of newer and larger residential development, as well as the remodeling of existing buildings. Commercial and industrial uses have also proliferated throughout the area. Overall, architectural styles in and around the Property are generally Modern and/or Contemporary, expressed in a vernacular or utilitarian nature.

Study Area

The study area for the Project is the geographic area within which the Project may directly or indirectly cause changes to the character of a historic resource, which has been limited to the Property. Considerations used to justify the delineation of the study area include the following: (1) The area of direct physical effect, including ground disturbing activities, would be limited to construction activities within the Property; (2) Nearby properties do not appear to have been previously evaluated for historic significance and would not be affected by any of the proposed construction activities on the Property; and (3) There are no reasonably foreseeable Project activities that would occur later in time or that would be farther removed in distance that could indirectly affect historic resources.

History of Santee

The City of Santee is located in eastern San Diego County. The area was called several different names before it became known as “Santee” in 1893. Originally, the land was inhabited by the Kumeyaay tribe of Native Americans who resided on the banks of the San Diego River in the village of “Sinyeweche” (the present-day area of “Santee”). The Kumeyaay dominated the land until the arrival of the Spanish in 1779. At the direction of Father Junipero Serra, the Kumeyaay constructed the Old Mission Dam for the nearby Mission de Alcala. During this period, the land was divided among the Spanish soldiers as payment for their services, and the Native Americans were gathered to live at the Mission. In 1822, the Mission system was disbanded by the Mexican government and during the 1840s, American settlers arrived in California.

In 1870, George A. Cowles migrated to California from Florida. In 1877, he purchased 4,000 acres of land in the Santee area, in which he planted vineyards, pomegranate and magnolia trees. At this time, the Cuyamaca Railroad ran through the area and the local

station became known as "Cowles Station" due to its proximity to the vineyard and orchards owned by Cowles. The surrounding area soon became known as "Cowleston." After the death of George Cowles death in 1887, his wife, Jennie, married realtor and surveyor, Milton Santee. Several years later, Jennie Cowles Santee named the early post office "Santee," and by 1893, the town name was changed to Santee. Similarly, the Cowles School, established in 1891, and the Cowles School District subsequently changed their names to Santee as well.

In 1885, Hosmer P. McKoon purchased 9,543 acres of land in the Santee area for his "Fanita Ranch" (named after his wife, Fannie). However, over the next few years McKoon sold segments of the ranch to new arrivals, including 7,000 acres to the Scripps family in 1898. The Scripps used the ranch to raise cattle and built a country resort for their family. Like much of the rest of San Diego County during this period, Santee's economy was based in agriculture and ranching. Farms, such as the Edgemoor Stock Farm (established in 1908), drove the local economy and contributed to the city's rural identity. In 1914, the opening of the Panama Canal resulted in an increase in shipping ports in San Diego County that led to more growth in the surrounding areas. However, little growth came to San Diego during the early twentieth century.

In 1941, the United States' entry into the Second World War increased military activity on the West Coast and brought new development to Santee during the 1940s. The federal government used 2,300 acres of the Fanita Ranch as military training grounds, and the Marine Corps Base, Camp Pendleton, was established north of Santee. The wartime demand for manufacturing transformed San Diego County's industry and it became home to various aircraft and ship manufacturing as well as military training.

During the mid-twentieth century, Santee's economy increased, and the city became home to a variety of industries. After the war, Santee's agricultural industry had significantly decreased, and it began to suburbanize. Residential development in the area was built for military and worker housing during World War II, and the population rapidly increased. In 1967, the Las Colinas Detention Facility opened as a juvenile facility, and in 1979, it was converted to an adult women's institution to serve as the primary facility for women prisoners in San Diego County. The establishment of the detention center introduced employment opportunities in the local area and served as a catalyst for further population growth. Such rapid growth created concern about the character of the community, so Santee residents created the San Diego County Santee Citizen's Planning Committee. The committee was officially recognized by the San Diego County Board of Supervisors in December 1968, and it has continued to serve as a local land-use and planning advisory board to the county planning commission and the Board of Supervisors. In 1974, the Committee secured approval of the Santee Community Plan which acted as the area's General Plan until the Santee General Plan was adopted in 1984. In 1980, the citizens of Santee voted to incorporate in order to gain local control over the development of their city, and the creation of the General Plan was their first goal.

Santee's rapid population increase resulted in the need for more recreation and entertainment services. In 1974, two regional parks were established in the city-- Mission

Trails Regional Park and Santee Lakes Regional Park. Additionally, more commercial development and entertainment venues followed. During the late twenty-first century, much of Santee's economy has focused upon the hospitality and entertainment sectors, as well as health care assistance, retail trade, and educational services. Since the 1980s, the City has continued to grow, reaching a population of approximately 54,000 residents in 2020. Since this time, Santee has worked toward protecting and enhancing the San Diego River, expanded its park system, and boasts major commercial centers.

Property History

Historical research indicates that the property on which the Former Drive-In Theatre is today located was acquired by partners John Elliot Forte and Walt Long in 1958. Inspection of a 1953 historic aerial photograph of the property indicates that it was originally part of a larger agricultural area. Forte and Long labored on the construction of the drive-in for approximately four years before its grand opening on September 26, 1962. The identities of the designer, architect, and/or builder could not be ascertained. The facility was advertised as "California's Newest, Most Modern Drive-In Theatre" with an opening night that featured a sky diving exhibition before a screening of "The Horizontal Lieutenant" with Jim Hutton, Paula Prentiss, and Jack Carter, and "Ride The High Country" with Randolph Scott and Joel McCrea. Sometime between 1964-1967, the drive-in site also operated as the "Santee Swap Meet," once a week (on Sunday) during the day. In addition, during the mid-1970s, the Property became the subject of controversy by showing X-rated films to the public.

Inspection of a 1964 historic aerial photograph depicts the Property as a developed site with an unpaved driveway leading north from Woodside Avenue, then jogging west toward an unpaved, rectangular parking lot. A parking lot with semi-circular rows of sloped parking spaces and mounted speakers, and Screen #1, is visible at the northwest corner of the property. Similarly, the Entrance Sign is visible along the driveway, and a rectangular-shaped building, the Concessions Building, is visible at the center of the property. By 1966, no discernable changes are visible to the site. From 1966 onward, the Property and the surrounding area display no ascertainable changes until 1971.

In 1971, the southeastern half of the Property and the driveway leading from North Woodside Avenue appear to have been paved with sloping parking spots arranged in semi-circular rows, while the northwestern half of the property remained unpaved. By 1978, the Property had been entirely paved and the parking orientation divided and rearranged to accommodate the addition of Screen #2 at the southwestern corner of the Property. Parking for each screen was oriented in semi-circular rows of sloping parking spaces facing the direction of each respective screen. Fencing around the southwest side of the Property had delineated the parking lots for each of the screens. In addition, the Property included an addition to the northern portion of the site, and a driveway with two ticket booths had been constructed along the east boundary of the parcel. The driveway and ticket booths support a new entry orientation, turning the previous entrance into an exit. Historic aerial photographs from 1978 onward indicate that the Property had not experienced any substantial modifications or alterations.

Between 1962-2020, Forte and Long owned the Property, although Long and his son, Mike, managed the drive-in together. In 2020, the Long family retired, and management of the Property was subsequently taken over by the Forte family. The Former Drive-In Theatre on the Property continued under the operation of the Forte family until it closed on December 31, 2023. Historical research was unable to identify any further information related to the Long and Forte families.

History of Drive-In Theaters

Roadside commercial and entertainment properties emerged as major, landscape-altering trends in the twentieth century in California and throughout the United States. As automobiles and driving became integrated with American life in 1910 and the 1930s, new commercial property types emerged to cater specifically to automobile users. These included motel and motor courts, drive-through markets, restaurants, fast-food stands, strip malls, automobile-oriented signage, and gas stations, among others. Eventually, entertainment property types also adapted to the automobile user. Because automobile users could travel outside the urban center, entertainment businesses could feasibly set up larger properties in remote, suburban locations that could be accessed from the highways. Such properties included miniature golf courses, restaurants, and the drive-in movie theater.

While there were outdoor showings of motion pictures since at least the 1910s, the idea for the drive-in movie theatre was developed by Richard M. Hollingshead, Jr. of New Jersey during the early 1930s. During the Great Depression, people were reluctant to part with their automobiles, and movies kept them entertained. Hollingshead combined the two and opened the first drive-in movie theater in Camden, New Jersey in 1933. He also obtained a patent for his idea in May 1933, which is consistent with drive-in theaters through the present-day: a location in a field; proximity to a highway; a screen facing the field, shielded by a wind-resistant screen-housing structure; a series of inclined ramps for automobile parking, arranged in row radiating out in a semi-circle around the screen; and a projection booth. The drive-in theater trend immediately spread. The second drive-in, Shankweiler's opened in Orefields, Pennsylvania in 1934 as did the Pacific Drive-In (later the Pico Drive-In), which was the first drive-in movie theater to open in Los Angeles. There was some initial backlash by owners of indoor theaters, but most opposition had been cleared by the Second World War.

Drive-in theater popularity grew after World War II due to many factors. Veterans returning from the war were relocating to the suburbs and having families. Drive-in theaters were popular with families that had children because of the freedom within a private car and isolation from other patrons (a crying baby would not disturb an entire audience). In addition, technology improved in the late 1940s at drive-in theaters with the advent of in-car speakers. During the 1950s, Cinemascope screens were invented, which allowed for wide-screen film viewing. As a result, drive-in theaters became immensely popular from 1946 through the late 1950s. In 1940, just over 50 drive-in theatres operated, and by 1950, over 1,700 were in existence throughout the country.

Drive-in theater business models also added amenities to appear more child-friendly, including adding playground equipment, swimming pools, diaper and baby bottle services, and on-site entertainment and attractions such as miniature golf courses and petting zoos. In 1958, the number of drive-in theaters peaked at 4,063. This year also marked the peak in both attendance and in annual new construction. However, by the late 1960s, drive-in theater construction was in decline. This was caused by several factors, including limitations presented by seasonal operation, increased home television ownership, and suburban sprawl. Most drive-ins were initially located in rural areas away from city lights and pressures to develop. However, as suburban sprawl moved into spaces on the margins of cities, drive-ins were seen as an inefficient use of space. During the 1970s and 1980s, many drive-in theaters closed. Those that remained through the 1980s and 1990s had to complete with the "multiplexes," which were theaters that hosted multiple screens, rather than being limited to one or two indoor auditoriums. While many drive-in movie theaters were divided into two or four screens, they could not compete with the 18 and 24-screen multiplexes of the 1990s. Further, the development of the VCR system made it more appealing to stay at home and watch movies without paying for a film in the drive-in. To make up for lost revenue, drive-ins began losing their family-friendly atmosphere by showing exploitation films like slasher horrors as well as adult content. The decline was also attributable to more economically viable use of drive-in theater land.

Today, there are over 300 drive-in theatres still in operation across the United States. The states of Ohio, New York, and Pennsylvania have the most drive-ins (with each state having approximately 30 left). By contrast, Hawaii, North Dakota, Wyoming, Alaska, Delaware, and Louisiana no longer have any that are still in business.

Historical research indicates that, at its height, San Diego County was once home to over fifteen (15) drive-in theatres, of which most began operations during the mid-to-late 1950s. By 1986, several drive-in theatres had closed, including the "Alvarado" on El Cajon Boulevard, the "Big Sky" in Chula Vista, the "Del Mar" off Interstate 5, and the "Pacific" at Balboa and Mission Bay Drive, due to the popularity of direct-to-television (cable) viewing, the availability of large, in-home television display systems, and the value of large plots of land and their redevelopment potential. In later years, other drive-in theatres closed, such as the "Ace" in Lemon Grove at Broadway and Imperial (1986); the "Aero" in El Cajon (1999); the "Harbor" in National City (2003); and the "Mission" (later known as the "Valley") in Oceanside (c.2016/2020).

Within San Diego County, in addition to the Property, one drive-in still exists and operates as the "South Bay Drive-In" located at 2170 Coronado Boulevard, San Diego. Opened in 1958, this is San Diego's last remaining operating drive-in. The site has three screens and also functions as a swap meet.

Historical research indicates that character-defining features of drive-in movie theater property types include those features inside the property and on the perimeter of the property (much like a traditional indoor auditorium theater). Such features include sloped semi-circular parking spaces arranged in rows; screen towers with wind-resistant framing;

a centrally located clubhouse or concession stand which featured refreshments and restrooms; a projection tower (which may or may not be located atop the clubhouse or concession stand); and mounted speakers at individual parking spaces or around the lot. Perimeter features include ticket booths; long entrance driveways to reduce automobile traffic; oversized, double-sided, often pole-mounted marquee sign (intended to be read from passing cars); theater name signs (which may be themed, or neon lit); and fencing or landscaping as visual barrier from the street.

Methods and Results

Archival Research

The archival research for this Historical Assessment included, but was not necessarily limited to, obtaining the Commercial-Industrial Building Records from the San Diego County Assessor's/Recorder's Office; building permit application research at the City of Santee building records department; Sanborn Fire Insurance Maps, vertical files, and the *San Diego Union* index and newspaper articles at the San Diego Public Library, California Room; the San Diego History Center archives and photographic collection; and photographic collection; local, state, and federal inventories/surveys/database material; personal research/archival material in possession of Scott A. Moomjian, Esq.; standard and authoritative sources related to local history, architecture, and building development information; online information/documentation related to the history of drive-in theatres, and drive-in theatres throughout the San Diego County region; and online newspaper articles and historic aerial photographs.

Field Survey

The field survey work was conducted by Scott A. Moomjian, Esq. on June 21, 2023. An intensive inspection of the Property, including all the exterior areas, as well as the surrounding neighborhood, were undertaken during this time. The Property was recorded on the appropriate DPR 523 forms according to instructions and publications produced by the California Office of Historic Preservation (See Attachment D).

Description of Surveyed Resources

The Property consists of Modern Contemporary style, former drive-in theatre/motion picture (film) complex with undistinguished and unremarkable physical characteristics. Today, the Property functions as an open, surface parking lot. Located on an irregularly shaped parcel, the Property was originally developed in 1962 with subsequent additions built during the mid-1970s. When originally developed, the Property was unpaved and contained an Entrance Sign at the driveway entrance, Screen #1, and the Concessions Building located toward the center of the site. In addition, semi-circular rows of sloped parking spaces were arranged around the front-facing (southeast) side of Screen #1 and around the Concessions Building. Sometime between 1964-1967, the Property became used once a week, during the day, as the "Santee Swap Meet."

During the mid-1970s, Screen #2 was added at the southeast corner of the Property and the parking lot was divided into two separate parking lots arranged in semi- circular rows with sloped parking spaces for each screen. In addition, the Property was paved with asphalt, there was an addition of a driveway with two ticket booths along the eastern and northern boundaries of the Property, as well as two ancillary supply sheds, and corrugated metal fencing which separated the two parking lots for each of the screens. Landscaping includes shrubbery and rows of trees along the north and south boundaries of the Property.

Entrance Sign (1962)

Built in 1962, the Entrance Sign is located on the west side of the Property's driveway entrance. Of metal and wood construction, the sign has neon tubing outlining the word "Santee," with a star on atop the sign. The sign also includes a wood letterboard for movie showings. Access to the letterboard is made by a wooden platform encased by a low, wire fence at the base of the letterboard. Modifications to the Entrance Sign over the years include replacement of the neon (date unknown), and the addition of "Swap Meet" signage (date unknown). The Entrance Sign remained in use until the Former Drive-In Theatre ceased operation. The sign remains in place, however, overall, the sign appears to be in poor condition.

Concessions Building (1962)

Built in 1962, the Concessions Building is located at the center of the Property between the parking areas for Screen #1 and Screen #2. Designed in an unremarkable Modern Contemporary style, the building is utilitarian in nature and irregular in shape. It is one and one-half stories in height, with a flat roof with minimal eave overhang. The exterior consists of smooth stucco. Restrooms are located on the southeastern half of the building with concessions located in the northwestern half. A projection room sits atop the second story. The structure has single-panel wood doors at the northeast and southwest elevations. These doors provide access to the first story accommodations, with projecting stucco walls obscuring the restroom entrances. In addition, a wood staircase along the northwest (rear) elevation provides access to a single-panel wood door on the second story landing. Fenestration is irregular in shape and includes aluminum sliding windows on northeast, southwest, northwest, and southeast (primary) elevations of the second story. Two square projection windows with metal coverings are visible on the northwest and southeast second story elevations. Modifications to the building over the years include the addition of an air conditioning unit along the northeast and southwest elevations (date unknown); the addition of roof floodlights (date unknown); the addition of signage (date unknown); the addition of a security screen on the northwest (rear) elevation window (date unknown); and the addition of a projection window on the southeast second-story elevation (c.1976). Overall, the structure appears to be in fair condition.

Screen #1 and Parking Lot (1962)

Screen #1 is located at the northwestern property boundary of the property and was constructed in 1962. It is made of corrugated metal with a metal framing and metal

supports along the bottom. The southeast (front) side of the screen is painted white with a strip of black along the bottom where the metal supports are located. The parking for the screen is paved with asphalt and features sloped parking spaces arranged in semi-circular rows around the southeast (front) side. The paving for this area occurred c.1976. Overall, this structure appears to be in fair condition.

Screen #2 and Parking Lot (c.1976)

Screen #2 is located at the southeastern property boundary corner of the property and was constructed c.1976. It is made of corrugated metal with a metal framing and metal supports along the bottom. The northwest (front) side of the screen is painted white with a strip of black along the bottom where the metal supports are located. The parking for the screen is paved with asphalt and features sloped parking spaces arranged in semi-circular rows around the northwest (front) side. A corrugated metal fence encases the parking lot for Screen #2 as well as two ancillary sheds which are located southwest of the Concession Building. Overall, this structure appears to be in fair condition.

Ticket Booths (c.1976)

Two ticket booths, built c.1976, are located along the eastern property boundary at the end of the main driveway. The ticket booths are rectangular in shape with flat roofs and slight eave overhang. Built of corrugated metal with corrugated plastic signs atop each of their south elevations, they have partially glazed doors with aluminum sliding windows at their east and west elevations. Fenestration is grouped and includes aluminum casement windows on each of their south, east, and west elevations. Modifications to the structures over the years include the addition of signage on their south (main) elevations (dates unknown). Overall, the structures appear to be in fair condition.

Ancillary Storage Sheds (c.1976)

Two ancillary storage sheds are located west of the Concessions Building. Historic aerial photographs indicate that they were added onsite c.1976. The sheds are aligned with the placement of the fencing to further enclose the parking lot for Screen #2. Overall, the structures appear to be in fair condition.

Significance Evaluation

Application of Local Register (Santee) Significance Criteria

The City of Santee does not maintain a local register of historic resources. As a result, the Property was not evaluated under local significance criteria. Nevertheless, the City of Santee General Plan serves to guide the City's future development. This is accomplished through objectives and policies that serve as a long-term guide for physical, economic, and environmental growth. The Conservation Element of the Santee General Plan addresses water resources, land resources, archaeological and cultural resources, biological resources, and open space. Section 4.3 of the Conservation Element discusses

archaeological, cultural, and historic resources known to be within the City, and does not include the Former Drive-In Theatre on the Property. The goal of the Conservation Element is to conserve open space, natural, and cultural resources.

According to Conservation Element Objective 8.0 (Preserve significant cultural resources) and Policy 8.1, the City "shall require either the preservation of significant historic or prehistoric sites, or the professional retrieval of artifacts prior to the development of a site, consistent with the provisions of the California Environmental Quality Act. Preservation may include various measures including avoidance, preservation in place, incorporation into open space, or covering or capping. The type of preservation would depend upon the nature and significance of the archaeological resource and the practical requirements of the proposed land use."

In this manner, evaluation of the Property in accordance with National and California Register significance criteria, as well under CEQA with proposed mitigation measures, achieves consistency with the City of Santee General Plan.

Application of National Register Significance Criteria

When evaluated within its historic context, a property must be shown to be significant for one or more of the four Criteria for Evaluation–A, B, C, or D. The Criteria describes how properties are significant for their association with important events or persons, for their importance in design or construction, or for their information potential. In addition, a property must not only be shown to be significant under the National Register criteria, but it also must have integrity.

National Register Criterion A: Event

To be considered for listing under Criterion A, a property must be associated with one or more events important in the defined historic context.

The event or trends must clearly be important within the associated context. Mere association with historic events or trends is not enough, in and of itself, to qualify under Criterion A: the property's specific association must be considered important as well.

The Property does not qualify under National Register Criterion A: Event at either the local, state, or national levels. Historical research failed to identify any important events associated with the Property over the course of its existence.

National Register Criterion B: Person

Criterion B applies to properties associated with individuals whose specific contributions to history can be identified and documented.

Persons "significant in our past" refers to individuals whose activities are demonstrably important within a local, State, or national historic context. The criterion is generally

restricted to those properties that illustrate (rather than commemorate) a person's important achievements. The persons associated with the property must be individually significant within a historic context. Significant individuals must be directly associated with the nominated property. Properties eligible under Criterion B are usually those associated with a person's productive life, reflecting the time period when he or she achieved significance. Speculative associations are not acceptable. Documentation must make clear how the nominated property represents an individual's significant contributions. A property must retain integrity from the period of its significant historic associations. Architects are often represented by their works, which are eligible under Criterion C.

The Property does not qualify under National Register Criterion B: Person at either the local, state, or national levels. No historical evidence was identified which indicates that the original developers of the Property, John Elliot Forte and Walt Long, nor any of the successors in interest in the Forte family were individuals whose activities are demonstrably important within a local, State, or national historic context. Further, historic research indicates that no other owners, or occupants associated with the Property performed any activities, achievements or contributions which were demonstrably important within the City, state, or nation. As a result, the theatre business, including the individuals responsible for its operation(s), does not meet the criteria for historic significance. Therefore, the Former Santee Drive-In Theatre does not qualify under National Register Criterion B.

National Register Criterion C: Design/Construction

Properties may be eligible under Criterion C if they embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction. Properties which embody the distinctive characteristics of a type, period, or method of construction refer to the way in which a property was conceived, designed, or fabricated by a people or culture in past periods of history. Distinctive characteristics are the physical features or traits that commonly recur in individual types, periods, or methods of construction. To be eligible, a property must clearly contain enough of those characteristics to be considered a true representative of a particular type, period, or method of construction.

A master is a figure of generally recognized greatness in a field, a known craftsman of consummate skill, or an anonymous craftsman whose work is distinguishable from others by its characteristic style and quality. The property must express a particular phase in the development of the master's career, an aspect of his or her work, or a particular theme in his or her craft.

Embodying The Distinctive Characteristics Of A Type, Period, Or Method Of Construction—Modern Contemporary Architecture

The Property does not qualify under National Register Criterion C: Design/Construction on the basis of its Modern Contemporary architecture at either the local, state, or national levels.

In June 2006, the City of San Diego received a grant through the Certified Local Government (CLG) program to prepare a city-wide thematic context statement for Modernist resources in San Diego. This "San Diego Modernism Historic Context Statement" ("Modernism Context Statement") was finalized in October 2007, and was financed, in part, with Federal funds from the National Park Service, Department of the Interior, through the California Office of Historic Preservation (OHP). It was specifically designed to address "the regional and local emergence of Modern architecture in San Diego; the architects, builders and other individuals significant in the development of Modernism in San Diego; as well as the property types and sub-styles which characterize San Diego Modernism and the criteria which should be applied to evaluate those resources and establish significance."

The stated purpose of the Modernism Context Statement is to "assist in the identification, evaluation and preservation of significant historic buildings, districts, sites and structures associated with the Modernism movement in San Diego from 1935 to 1970" and was created to better understand "Modern era resources and the types of resources that are significant to the history and development of San Diego." The Modernism Context Statement has been utilized to evaluate potential historical resources constructed from 1935-1970 within the San Diego Region, and specifically utilized in historical evaluations accepted by the County of San Diego, City of San Diego and City of Del Mar. The Modernism Context Statement "[uses] an approach based upon current professional methodology standards and procedures established by the National Park Service, the California Office of Historic Preservation, and preservation professionals." Therefore, although the City of Santee has not formally adopted the Modernism Context Statement, it serves as an appropriate regional tool by which to evaluate Modernist resources within the City.

Accordingly, the Modernism Context Statement is appropriate for use in evaluating the potential historic significance of the Property because:

1) The Modernism Context Statement was intended to guide evaluations within the region rather than being restricted to San Diego City limits. The Modernism Context Statement was prepared by the City of San Diego utilizing Federal funds from the National Park Service, Department of the Interior, through the California Office of Historic Preservation (OHP) as a regional and local tool to evaluate Modern Architecture in the San Diego.
2) This is the most regionally specific guide for evaluating Modern Architecture. There are no alternative guides or documents that offer better or more specific guidance than this one for evaluating Modern Architecture in the San Diego region.

Under the Modernism Context Statement, the Property was designed and constructed in the Modern Contemporary style between 1962-1976. The site no longer functions as a drive-in theatre. Today, it serves as an open, surface parking lot. An examination of the Property under the Modernism Context Statement indicates that it does not qualify under National Register Criterion C: Design/Construction on the basis of its Modern Contemporary architecture at either the local, state, or national levels.

Modernism Context Statement—General Characteristics Of The Modern Contemporary Style

According to the Modernism Context Statement, Modern Contemporary style structures were generally constructed between 1955-1965. They employed the latest styles and materials including such modern features as interior courtyards, aluminum framed windows, sliding-glass doors, and attached carports or garages. Some also included upgrades to basic model units, allowing a homeowner to customize their property. In addition to residential construction, Modern Contemporary buildings also included commercial structures and streetscapes. These buildings display many of the same design features as Contemporary style homes, such as angular massing, varied materials use, and unusual roof forms.

The Property possesses unremarkable and undistinguished physical characteristics, as well as only limited, general characteristics associated with the Modern Contemporary architectural style. These include aluminum-framed windows located on the Concessions Building and Ticket Booths, and angular massing on the Concessions Building. The remaining structures and/or objects constructed as part of the Property lack varied materials used in their construction and unusual roof forms. Based upon the foregoing, therefore, the Property does not possess an abundance of general characteristics indicative of Modern Contemporary construction as detailed in the Modernism Context Statement.

Modernism Context Statement—Primary-Character Defining Features

According to the Modernism Context Statement, there are three (3) "Primary" Character-Defining features of Modern Contemporary construction. The following Primary character-defining features noted in the Modernism Context Statement have been specifically applied to the Property, accordingly:

1. Strong roof forms, including flat, gabled, shed or butterfly, typically with deep overhangs.

The Property, including its structures and objects, lack strong roof forms with deep eave overhangs. Therefore, the Property does not possess this Primary Character-Defining feature of Modern Contemporary construction.

2. Large windows, often aluminum framed.

The Property contains aluminum framed windows on its Concessions Building and Ticket Booths. Therefore, the Property possesses this Primary Character-Defining feature of Modern Contemporary construction.

3. Non-traditional exterior finishes, including vertical wood siding, concrete block, stucco, flagstone and mullion-free glass.

The Property, including its structures and objects, feature exteriors composed of stucco and/or metal. Vertical wood siding, concrete block, flagstone, and mullion-free glass are lacking. Therefore, the Property does not possess this Primary Character-Defining feature of Modern Contemporary construction.

Summary: Of the three Primary Character-Defining features of Modern Contemporary construction expressed in the Modernism Context Statement, the Property possesses one of these features—aluminum framed windows.

Modernism Context Statement—Secondary Character-Defining Features

According to the Modernism Context Statement, there are eight (8) "Secondary" Character-Defining features of Modern Contemporary construction. The following Secondary character-defining features noted in the Modernism Context Statement have been specifically applied to the Property, accordingly:

1. Angular massing.

The Property features angular massing only on the Concessions Building. Therefore, the Property possesses this Secondary Character-Defining feature of Modern Contemporary construction.

2. Sunshades, screens or shadow block accents.

The Property, including its structures and objects, does not feature any sunshades, screens, or shadow block accents. Therefore, the Property does not possess this Secondary Character-Defining feature of Modern Contemporary construction.

3. Attached garages or carports for homes.

The Property is not residential in nature. Therefore, this Secondary Character-Defining feature of Modern Contemporary construction is not applicable.

4. Split-level design, especially on sloped residential sites.

The Property does not feature a split-level design on a sloped residential site. Therefore, this Secondary Character-Defining feature of Modern Contemporary construction is not applicable.

5. Horizontally oriented commercial buildings.

The Property, including its structures and objects, contain both horizontal and vertical elements. The Property contains two large horizontally oriented motion picture screens (Screens #1 and #2). Therefore, the Property possesses this Secondary Character-Defining feature of Modern Contemporary construction.

6. Distinctive triangular, parabolic or arched forms.

The Property does not feature any triangular, parabolic or arched forms. Therefore, the Property does not possess this Secondary Character-Defining feature of Modern Contemporary construction.

7. "Eyebrow" overhangs on commercial buildings; and

The Property does not have any "eyebrow" overhangs. Therefore, the Property does not possess this Secondary Character-Defining feature of Modern Contemporary construction.

8. Integrated, stylized signage on commercial buildings.

The Property contains integrated, stylized signage along its Entrance Sign. Therefore, the Property possesses this Secondary Character-Defining feature of Modern Contemporary construction.
Summary: Of the six applicable Secondary Character-Defining features of Modern Contemporary construction expressed in the Modernism Context Statement, the Property possesses three of these features—angular massing, horizontal orientation, and integrated, stylized signage.

Modernism Context Statement—Evaluation Criteria

In evaluating the potential significance and eligibility for designation of Modern Contemporary properties, the Modernism Context Statement notes the following:

•*"While this style was relatively popular in San Diego tract construction, many of these homes and buildings have been extensively remodeled diminishing their level of integrity and reducing the abundance of good examples from this sub-style substantially."*

The Property is located within the Santee community and has not been substantially modified and altered over the years. The Property retains a sufficient degree of original integrity.

•*"…Houses [buildings] may still poses [sic. possess] significance due to their association with a potential master architect."*

The Property does not possess significance due to an association with a potential "master architect." Historical research did not ascertain the identity of the architects and/or designers responsible for the design/construction.

• *"Good examples of this style that retain a high degree of integrity should therefore be considered for individual designation, especially if…associated with a significant architect. Due to the somewhat limited supply of unaltered examples, retention of all character defining features may not be necessary for listing, if comparative analysis demonstrates that the building retains a relatively high degree of integrity compared to other extant examples."*

The Property retains original integrity, however, it lacks a majority of Primary and Secondary Character-Defining features of the Modern Contemporary architectural style.

• *"The Contemporary style was widely used on major streets and boulevards such as El Cajon Boulevard in North Park, Girard Avenue in La Jolla, Washington Street in Mission Hills, and Rosecrans Boulevard in Point Loma. Buildings in these areas exemplify the style with long horizontal massing, extensive use of glass windows to open the interior space as to the street, updated Moderne elements such as "eyebrow" overhangs, and minimal architectural details on the façade….Signage for Contemporary commercial buildings that is original to the structure should be considered as part of the resource."*

The Property is a former commercial complex, located along a street which is typically associated with Modern Contemporary commercial buildings.

In summary, the Property does not possess a majority of the General, Primary, or Secondary Character-Defining features of Modern Contemporary construction to be considered a true, representative example which is significant under the Modernism Context Statement. The Property does not meet the potential significance and eligibility criteria for designation under the Modernism Context Statement. As such, the Property does not embody the distinctive characteristics of type, period, or method of Modern Contemporary construction.

<u>Embodying The Distinctive Characteristics Of A Type, Period, Or Method Of Construction—Drive-In Theatre Architecture</u>

The Former Drive-In Theatre on the Property could qualify under National Register Criterion C: Design/Construction on the basis of its drive-in theatre architecture at the local level of significance.

The Former Drive-In Theatre on the Property was originally constructed in 1962 at a time when the drive-in, as a recreational and entertainment venue, was popular across the United States. This popularity allowed the Former Drive-In Theatre on the Property to expand in 1976. Although many other drive-ins across the country closed during this period, the Santee Drive-In Theatre remained open until December 2023. Today, it functions as an open, surface parking lot. Within San Diego County, another drive-in theatre remains—

the South Bay Drive-In, located at 2170 Coronado Boulevard, San Diego which was built in 1958 and is still operating.

In its current appearance, albeit unremarkable and undistinguished, the Former Drive-In Theatre on the Property retains a number of character-defining features associated with drive-in movie theater architecture. These include its sloped semi-circular parking spaces arranged in rows; twin movie screens; centrally-located concession stand with attached, first floor refreshment area and restrooms, and second floor projection tower; ticket booths; long entry area (driveway); oversized, pole-mounted marquee sign with neon tubing; and fencing around the property perimeter. In this manner, the Former Drive-In Theatre on the Property, including its structures and parking lots, embody the distinctive characteristics of a type, period, and method of 1960s-1970s drive-in movie theatre construction, and retains a sufficient degree of original integrity. As a result, the Former Drive-In Theatre on the Property is architecturally significant and could qualify under National Register Criterion C: Design/Construction, as has been conservatively determined for purposes of this Historical Assessment.

Representing The Work Of A Master

The Property does not qualify under National Register Criterion C: Design/Construction at either the local, state, or national levels on the basis of its architects, designers, or builders. Historical research could not ascertain the identities of the architect, designers and/or builders responsible for the design/construction of the Property, including its structures and/or objects. In any event, the Property does not possess any remarkable or distinguished physical features which may reflect the work of a master architect, designer, builder, or craftsman. Consequently, the Property does not represent the work of a master.

Possessing High Artistic Values

The Property does not qualify under National Register Criterion C: Design/Construction as a Property which possesses high artistic values. The Property does not articulate a particular concept of design to the extent that an aesthetic ideal is expressed.

National Register Criterion D: Information Potential

Property may be eligible under Criterion D if they have yielded, or may be likely to yield, information important in prehistory or history.

The Property does not qualify under National Register Criterion D: Information Potential as the Property has not yielded, and is likely not to yield, information important in terms of history or prehistory.

Application of California Register of Historical Resources Significance Criteria

The California Register of Historical Resources was consciously designed on the model of the National Register. While the eligibility criteria of the two programs are similar, there are differences between them. When evaluated within its historic context, a property must

be shown to be significant for one or more of the four Criteria for Evaluation–1, 2, 3, or 4. The Criteria describes how properties are significant for their association with important events or persons, for their importance in design or construction, or for their information potential. In addition, a property must not only be shown to be significant under the California Register criteria, but it also must have integrity. Historical resources eligible for listing in the California Register must meet one of the significance criteria described above and retain enough of their historic character or appearance to be recognizable as historical resources and convey the reasons for their significance.

California Register Criterion 1: Event

To be considered for listing under Criterion 1, a property must be associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.

The event or trends must clearly be important within the associated context. Mere association with historic events or trends is not enough, in and of itself, to qualify under Criterion 1: a property's specific association must be considered important as well.

The Property does not qualify under California Register Criterion 1: Event at either the local, state, or national levels. Historical research failed to identify any important events associated with the Property over the course of its existence.

California Register Criterion 2: Person

To be considered for listing under Criterion 2, a property must be associated with the lives of persons important in our past.

This Criterion applies to properties associated with individuals whose specific contributions to history can be identified and documented. Persons "significant in our past" refers to individuals whose activities are demonstrably important within a local, state, or national historic context. The criterion is generally restricted to those properties that illustrate (rather than commemorate) a person's important achievements. The persons associated with the property must be individually significant within a historic context. Significant individuals must be directly associated with the nominated property. Property eligible under Criterion 2 are usually those associated with a person's productive life, reflecting the time period when he or she achieved significance. Speculative associations are not acceptable. Documentation must make clear how the nominated property represents an individual's significant contributions. A property must retain integrity from the period of its significant historic associations. Architects are often represented by their works, which are eligible under Criterion 3.

The Property does not qualify under California Register Criterion 2: Person at either the local, state, or national levels. No historical evidence was identified which indicates that the original developers of the Property, John Elliot Forte and Walt Long, nor any of the successors in interest in the Forte family were individuals whose activities are

demonstrably important within a local, State, or national historic context. Further, historic research indicates that no other owners, or occupants associated with the Property performed any activities, achievements or contributions which were demonstrably important within the City, state, or nation. As a result, the theatre business, including the individuals responsible for its operation(s), does not meet the criteria for historic significance. Therefore, the Former Santee Drive-In Theatre does not qualify under California Register Criterion 2.

California Register Criterion 3: Design/Construction

Properties may be eligible under Criterion 3 if they embody the distinctive characteristics of a type, period, region, or method of construction; represent the work of an important, creative individual; or possess high artistic values.

Properties which embody the distinctive characteristics of a type, period, or method of construction refer to the way in which a property was conceived, designed, or fabricated by a people or culture in past periods of history. Distinctive characteristics are the physical features or traits that commonly recur in individual types, periods, or methods of construction. To be eligible, a property must clearly contain enough of those characteristics to be considered a true representative of a particular type, period, or method of construction.

A master is a figure of generally recognized greatness in a field, a known craftsman of consummate skill, or an anonymous craftsman whose work is distinguishable from others by its characteristic style and quality. A property must express a particular phase in the development of the master's career, an aspect of his or her work, or a particular theme in his or her craft.

Embodying The Distinctive Characteristics Of A Type, Period, Or Method Of Construction—Modern Contemporary Architecture

The Property does not qualify under California Register Criterion 3: Design/Construction on the basis of its Modern Contemporary architecture at either the local, state, or national levels.

In June 2006, the City of San Diego received a grant through the Certified Local Government (CLG) program to prepare a city-wide thematic context statement for Modernist resources in San Diego. This "San Diego Modernism Historic Context Statement" ("Modernism Context Statement") was finalized in October 2007, and was financed, in part, with Federal funds from the National Park Service, Department of the Interior, through the California Office of Historic Preservation (OHP). It was specifically designed to address "the regional and local emergence of Modern architecture in San Diego; the architects, builders and other individuals significant in the development of Modernism in San Diego; as well as the property types and sub-styles which characterize San Diego Modernism and the criteria which should be applied to evaluate those resources and establish significance."

The stated purpose of the Modernism Context Statement is to "assist in the identification, evaluation and preservation of significant historic buildings, districts, sites and structures associated with the Modernism movement in San Diego from 1935 to 1970" and was created to better understand "Modern era resources and the types of resources that are significant to the history and development of San Diego." The Modernism Context Statement has been utilized to evaluate potential historical resources constructed from 1935-1970 within the San Diego Region "using an approach based upon current professional methodology standards and procedures established by the National Park Service, the California Office of Historic Preservation, and preservation professionals." Therefore, although the City of Santee has not formally adopted the Modernism Context Statement, it serves as an appropriate regional tool by which to evaluate Modernist resources within the City.

Under the Modernism Context Statement, the Property was designed and constructed in the Modern Contemporary style between 1962-1976. An examination of the Property under the Modernism Context Statement indicates that it does not qualify under National Register Criterion C: Design/Construction on the basis of its Modern Contemporary architecture at either the local, state, or national levels.

Modernism Context Statement—General Characteristics Of The Modern Contemporary Style

According to the Modernism Context Statement, Modern Contemporary style structures were generally constructed between 1955-1965. They employed the latest styles and materials including such modern features as interior courtyards, aluminum framed windows, sliding-glass doors, and attached carports or garages. Some also included upgrades to basic model units, allowing a homeowner to customize their property. In addition to residential construction, Modern Contemporary buildings also included commercial structures and streetscapes. These buildings display many of the same design features as Contemporary style homes, such as angular massing, varied materials use, and unusual roof forms.

The Property possesses unremarkable and undistinguished physical characteristics, as well as only limited, general characteristics associated with the Modern Contemporary architectural style. These include aluminum-framed windows located on the Concessions Building and Ticket Booths, and angular massing on the Concessions Building. The remaining structures and/or objects constructed as part of the Property lack varied materials used in their construction and unusual roof forms. Based upon the foregoing, therefore, the Property does not possess an abundance of general characteristics indicative of Modern Contemporary construction as detailed in the Modernism Context Statement.

Modernism Context Statement—Primary-Character Defining Features

According to the Modernism Context Statement, there are three (3) "Primary" Character-Defining features of Modern Contemporary construction. The following Primary

character-defining features noted in the Modernism Context Statement have been specifically applied to the Property, accordingly:

1. Strong roof forms, including flat, gabled, shed or butterfly, typically with deep overhangs.

The Property, including its structures and objects, lack strong roof forms with deep eave overhangs. Therefore, the Property does not possess this Primary Character-Defining feature of Modern Contemporary construction.

2. Large windows, often aluminum framed.

The Property contains aluminum framed windows on its Concessions Building and Ticket Booths. Therefore, the Property possesses this Primary Character-Defining feature of Modern Contemporary construction.

3. Non-traditional exterior finishes, including vertical wood siding, concrete block, stucco, flagstone and mullion-free glass.

The Property, including its structures and objects, feature exteriors composed of stucco and/or metal. Vertical wood siding, concrete block, flagstone and mullion-free glass are lacking. Therefore, the Property does not possess this Primary Character-Defining feature of Modern Contemporary construction.

Summary: Of the three Primary Character-Defining features of Modern Contemporary construction expressed in the Modernism Context Statement, the Property possesses one of these features—aluminum framed windows.

<u>Modernism Context Statement—Secondary Character-Defining Features</u>

According to the Modernism Context Statement, there are eight (8) "Secondary" Character-Defining features of Modern Contemporary construction. The following Secondary character-defining features noted in the Modernism Context Statement have been specifically applied to the Property, accordingly:

1. Angular massing.

The Property features angular massing only on the Concessions Building. Therefore, the Property possesses this Secondary Character-Defining feature of Modern Contemporary construction.

2. Sunshades, screens or shadow block accents.

The Property, including its structures and objects, does not feature any sunshades, screens, or shadow block accents. Therefore, the Property does not possess this Secondary Character-Defining feature of Modern Contemporary construction.

3. Attached garages or carports for homes.

The Property is not residential in nature. Therefore, this Secondary Character-Defining feature of Modern Contemporary construction is not applicable.

4. Split-level design, especially on sloped residential sites.

The Property does not feature a split-level design on a sloped residential site. Therefore, this Secondary Character-Defining feature of Modern Contemporary construction is not applicable.

5. Horizontally oriented commercial buildings.

The Property, including its structures and objects, contain both horizontal and vertical elements. The Property contains two large horizontally oriented motion picture screens (Screens #1 and #2). Therefore, the Property possesses this Secondary Character-Defining feature of Modern Contemporary construction.

6. Distinctive triangular, parabolic or arched forms.

The Property does not feature any triangular, parabolic or arched forms. Therefore, the Property does not possess this Secondary Character-Defining feature of Modern Contemporary construction.

7. "Eyebrow" overhangs on commercial buildings; and

The Property does not have any "eyebrow" overhangs. Therefore, the Property does not possess this Secondary Character-Defining feature of Modern Contemporary construction.

8. Integrated, stylized signage on commercial buildings.

The Property contains integrated, stylized signage along its Entrance Sign. Therefore, the Property possesses this Secondary Character-Defining feature of Modern Contemporary construction.

Summary: Of the six applicable Secondary Character-Defining features of Modern Contemporary construction expressed in the Modernism Context Statement, the Property possesses three of these features—angular massing, horizontal orientation, and integrated, stylized signage.

Modernism Context Statement—Evaluation Criteria

In evaluating the potential significance and eligibility for designation of Modern Contemporary properties, the Modernism Context Statement notes the following:

•*"While this style was relatively popular in San Diego tract construction, many of these homes and buildings have been extensively remodeled diminishing their level of integrity and reducing the abundance of good examples from this sub-style substantially."*

The Property is located within the Santee community and has not been substantially modified and altered over the years. The Property retains a sufficient degree of original integrity.

•*"…Houses [buildings] may still poses [sic. possess] significance due to their association with a potential master architect."*

The Property does not possess significance due to an association with a potential "master architect." Historical research did not ascertain the identity of the architects and/or designers responsible for the design/construction of the Property.

•*"Good examples of this style that retain a high degree of integrity should therefore be considered for individual designation, especially if…associated with a significant architect. Due to the somewhat limited supply of unaltered examples, retention of all character defining features may not be necessary for listing, if comparative analysis demonstrates that the building retains a relatively high degree of integrity compared to other extant examples."*

The Property retains original integrity; however, it lacks a majority of Primary and Secondary Character-Defining features of the Modern Contemporary architectural style.

•*"The Contemporary style was widely used on major streets and boulevards such as El Cajon Boulevard in North Park, Girard Avenue in La Jolla, Washington Street in Mission Hills, and Rosecrans Boulevard in Point Loma. Buildings in these areas exemplify the style with long horizontal massing, extensive use of glass windows to open the interior space as to the street, updated Moderne elements such as "eyebrow" overhangs, and minimal architectural details on the façade….Signage for Contemporary commercial buildings that is original to the structure should be considered as part of the resource."*

The Property is a former commercial complex, located along a street which is typically associated with Modern Contemporary commercial buildings.

In summary, the Property does not possess a majority of the General, Primary, or Secondary Character-Defining features of Modern Contemporary construction to be considered a true, representative example which is significant under the Modernism Context Statement. The Property does not meet the potential significance and eligibility criteria for designation under the Modernism Context Statement. As such, the Property does not embody the distinctive characteristics of type, period, or method of Modern Contemporary construction.

<u>Embodying The Distinctive Characteristics Of A Type, Period, Or Method Of Construction—Drive-In Theatre Architecture</u>

The Former Drive-In Theatre on the Property could qualify under California Register Criterion 3: Design/Construction on the basis of its drive-in theatre architecture at the local level of significance.

The Former Drive-In Theatre on the Property was originally constructed in 1962 at a time when the drive-in, as a recreational and entertainment venue, was popular across the United States. This popularity allowed the Property to expand in 1976. Although many other drive-ins across the country closed during this period, the Santee Drive-In Theatre remained open until December 2023. Today, it functions as an open, surface parking lot. Within San Diego County, another drive-in theatre remains—the South Bay Drive-In, located at 2170 Coronado Boulevard, San Diego which was built in 1958 and is still in operation.

In its current appearance, albeit unremarkable and undistinguished, the Former Drive-In Theatre on the Property retains a number of character-defining features associated with drive-in movie theater architecture. These include its sloped semi-circular parking spaces arranged in rows; twin movie screens; centrally-located concession stand with attached, first floor refreshment area and restrooms, and second floor projection tower; ticket booths; long entry area (driveway); oversized, pole-mounted marquee sign with neon tubing; and fencing around the property perimeter. In this manner, the Property, including its structures and parking lots, embody the distinctive characteristics of a type, period, and method of 1960s-1970s drive-in movie theatre construction, and retains a sufficient degree of original integrity. As a result, the Former Drive-In Theatre on the Property is architecturally significant and could qualify under California Register Criterion 3: Design/Construction, as has been conservatively determined for purposes of this Historical Assessment.

Work of an Important, Creative Individual

The Property does not qualify under California Register Criterion 3: Design/Construction at either the local, state, or national levels on the basis of its architects, designers, or builders. Historical research could not ascertain the identities of the architect, designers and/or builders responsible for the design/construction of the Property, including its structures and/or objects. In any event, the Property does not possess any remarkable or distinguished physical features which may reflect the work of an important, creative individual.

Possessing High Artistic Values

The Property does not qualify under California Register Criterion 3: Design/Construction as a property which possesses high artistic values. The Property does not articulate a particular concept of design to the extent that an aesthetic ideal is expressed.

California Register Criterion 4: Information Potential

Properties may be eligible under Criterion 4 if they have yielded, or may be likely to yield, information important in prehistory or history.

The Property does not qualify under California Register Criterion 4: Information Potential as it has not yielded, and is not likely to yield, information important in terms of history or prehistory.

Integrity Evaluation

In addition to determining the significance of a property under state and national criteria, a property must also possess integrity. Integrity is defined by the National Register of Historic Places as the "ability of a Property to convey and maintain its significance." Historic properties either retain integrity or they do not. Within the concept of integrity, the National Register recognizes seven aspects or qualities, that, in various combinations, define integrity. These are location, design, setting, materials, workmanship, feeling, and association. To retain historic integrity, a property will always possess several, and usually most, of the aspects. The retention of specific aspects of integrity is paramount for a property to convey its significance.

Integrity is defined by the California Register of Historical Resources as the "authenticity of a historical resource's physical identity evidenced by the survival of characteristics that existed during the resource's period of significance." Integrity is evaluated with regard to the retention of location, design, setting, materials, workmanship, feeling, and association. Alterations over time to a resource or historic changes in use may themselves have historical, cultural, or architectural significance.

Location

Location is defined as "the place where the historic property was constructed or the place where the historic event occurred."

The Property, including its structures and objects, was constructed in its original location between 1962-1976. As such, the Property retains its location element for integrity purposes.

Design

Design is defined as the "combination of elements that create the form, plan, space, structure, and style of a property."

The Property, including its structures and objects, has not been substantially modified and/or altered from that of its original appearance. The overall original combination of elements that create its form, plan, space, structure, and style have not been compromised. As such, the Property retains its design element for integrity purposes.

Setting

Setting is defined as the physical environment of a historic property.

The Property, including its structures and objects, has been located on the same parcel since its construction between 1962-1976. At the time the Property was first developed, the surrounding area was primarily open and/or agricultural in nature. Between 1964-1976, residential, commercial, and industrial development in the surrounding area substantially increased. Over the years, the setting has been further compromised by new residential, commercial, and industrial development. Therefore, the setting is no longer primarily undeveloped and/or agricultural in nature, as it was prior to site development and, therefore, the Property no longer retains its original setting element for integrity purposes.

Materials

Materials are defined as "the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property."

The vast majority of the materials which today exist in the Property, including its structures and objects, are largely original. Consequently, the Property retains its original materials element for integrity purposes.

Workmanship

Workmanship is as "the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory."
As with the materials discussion above, the vast majority of the workmanship that has gone into the construction of the Property, including its structures and objects, is original. Consequently, the Property retains its original workmanship element for integrity purposes.

Feeling

Feeling is defined as "a property's expression of the aesthetic or historic sense of a particular period of time."
In its current appearance, the Property, including its structures and objects, conveys and evokes an aesthetic, original sense of past time or place (i.e. 1962-1976 drive-in theatre feeling). As a result, the Property retains its original feeling element for integrity purposes.

Association

Association is defined as "the direct link between an important historic event or person and a historic property."

The Property, including its structures and objects, is not directly linked to any important historic events or individuals. As a result, the Property does not possess an associative element for integrity purposes.

Findings and Conclusions

Impacts Discussion

The present study has conservatively determined that the Former Drive-In Theatre on the Property is architecturally significant under state and national significance criteria because the Property embodies the distinctive characteristics of drive-in movie theatre construction from the 1960s and 1970s. These elements include:

a) Sloped semi-circular parking spaces arranged in rows
b) Twin movie screens
c) Centrally-located concession stand with attached first floor refreshment area and restrooms;
d) Second floor projection tower;
e) Ticket booths;
f) Long entry area (driveway);
g) Oversized, pole-mounted marquee sign with neon tubing;
h) Fencing around the property perimeter;
i) A sufficient degree of original integrity

While the individual elements of the Property are unremarkable and undistinguished in their appearance, the Property as a whole retains the character-defining features of a drive-in theater and remains largely unaltered since its original construction. Consequently, it is conservatively assumed to be a historical resource under CEQA (California Public Resources Code §5024.1).

This study examined other drive-in theatres that had either been slated for development or demolished and was unable to identify any other drive-in theatres that had been determined to meet the criteria for designation as a historical resource under CEQA. As an example, the Hi-Way Drive-In Theatre located in Santa Maria was not evaluated for historic significance by the lead agency, presumably because significant portions of the original improvements, such as ticket booths and concessions stands, had been demolished prior to the evaluation.

In another case, the Mission Tiki Drive-In Theatre in the City of Montclair was found not to be a historic resource because it had been converted into a Tiki/Polynesian themed drive-in, and its original architectural characteristics had been significantly altered. Last, in the City of Oceanside, the site of the former Valley Drive-In was evaluated under an EIR, which merely noted that the theater had been partially demolished at the time of the EIR's preparation.

Because this Property embodies the distinctive characteristics of a drive-in theater and remains largely unaltered since its original construction, it has been determined to qualify as a historic resource. This study was unable to identify any precedent indicating that a drive-in theater possessing the aforementioned elements and maintaining its original integrity would not qualify as such. While it may be theoretically possible to find an

alternative determination, the absence of relevant precedent necessitated a conservative finding that this Property does, in fact, constitute a historical resource under CEQA.

The Palisade Santee Commerce Center Project proposes to remove all existing structures and parking lots on the Property. In addition, the Project proposes the construction of one industrial/warehouse building (approximately 301,145 square feet), 10,000 square feet of office space, as well as associated improvements including loading docks, trailer stalls, passenger vehicle parking spaces, and street, sidewalk, and landscape improvements. Therefore, demolition of the Former Drive-In Theatre on the Property as part of proposed Project, has been conservatively assumed to cause a substantial, adverse change in the significance of an historical resource under CEQA, pursuant to California Public Resources Code §21084.1 and §f5020.1(q).

Again, the conservative assumptions and determinations made in this Historical Assessment are made in the interest of a conservative CEQA analysis of the proposed demolition of the Former Drive-In Theatre on the Property as part of the Project. Other recent CEQA determinations involving the demolition of other drive-in theatres in the State of California have concluded that those drive-in theatres are not historical resources under CEQA. As noted above, the Hi-Way Drive-In Theatre in the City of Santa Maria, the Mission Drive-In Theatre in the City of Montclair, and the Mission Drive-In Theatre (later renamed the Valley Drive-In Theatre) in the City of Oceanside, all of which were built in the 1950s or 1960s, were all deemed to be ineligible for historic designation at the local, state and national levels.[2]

Application of CEQA

Public Resources Code

CEQA (California Public Resources Code §21084.1) provides that any project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. Public Resources Code Section §5020.1(q) defines "substantial adverse change" as demolition, destruction, relocation, or alteration such that the significance of the historical resource would be impaired. According to Public Resources Code Section §5024.1, an historical resource is a resource that is listed in, or determined to be eligible for listing in, the California Register of Historical Resources. A resource may be listed as an historical resource in the California Register if it meets any of the following National Register of Historic Places criteria: 1) is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage; 2) is associated with the lives of persons important in our past; 3) embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or 4) has yielded, or may likely yield information important in prehistory or history. In addition, an historical resource is a resource that is listed in, or

[2] See the City of Santa Maria Environmental Checklist/Initial Study for the Peoples Self Help Residential Project dated August 2021; the City of Montclair Draft Environmental Impact Report for the Mission Boulevard and Ramona Avenue Business Park Project dated January 2022; and the City of Oceanside Final Supplemental Environmental Impact Report for the Ocean Kamp Project dated July 2022.

determined to be eligible for listing in, the California Register of Historical Resources; a resource that is included in a local register of historical resources; or is identified as significant in an historical resource survey if that survey meets specified criteria.

a) Event Association:

The Property does not qualify under event association as a resource which is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. Historical research indicates that the Property was never associated with any event or events that have made a significant contribution to California's history and cultural heritage.

b) Individual Association:

The Property does not qualify under individual association as a resource which is associated with the lives of persons important in our past. None of the original developers, owners, or occupants identified with the Property performed any activities, achievements or contributions which were demonstrably important within the City, state, or nation.

c) Design/Construction:

The Property embodies the distinctive characteristics of a type, period, and method of drive-in movie theatre construction during the 1960s-1970s. The Property does not represent the work of an important creative individual or possess high artistic values.

d) Information Potential:

The Property does not qualify under information potential as a resource which has yielded, or may likely yield, information important in prehistory or history.

As a resource which could be significant on the basis of its design/construction, the Former Drive-In Theatre on the Property is conservatively determined to be eligible for listing in the National Register of Historic Places and the California Register of Historical Resources and is conservatively assumed to be a historical resource under CEQA (Public Resources Code Section §5024.1).

CEQA Guidelines

According to CEQA Guidelines §15064.5(a)(3), a lead agency can find a resource historic under CEQA if the resource has been determined to be significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California, provided that the determination is supported by substantial evidence in light of the whole record.

CEQA Guidelines §15064.5(a)(3) provides that generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for

listing on the California Register of Historical Resources (Pub. Res. Code §5024.1), including where the resource embodies the distinctive characteristics of a type, period, region, or method of construction. As explained in more detail above, the Former Drive-In Theatre has been conservatively determined to embody the distinctive characteristics of a type, period, and method of drive-in movie theatre construction during the 1960s-1970s.

Mitigation Measures

As a resource which has been conservatively determined to be significant on the basis of its design/construction, the Former Drive-In Theatre on the Property is conservatively determined herein to be eligible for listing in the National Register of Historic Places and the California Register of Historical Resources and is therefore conservatively assumed to be a historical resource under CEQA for purposes of this Historic Assessment and environmental review of the Project under CEQA. Since the Palisade Santee Commerce Center Project proposes demolition of the Former Drive-In Theatre on the Property, including its structures and parking lots, this undertaking has been conservatively assumed to cause a substantial adverse change in the significance of a historical resource under CEQA.

The below feasible mitigation measures have therefore been recommended to preserve the history and architectural significance of the Former Drive-In Theatre. In this context, recordation of the history of the Former Drive-In Theatre serves a legitimate archival purpose. However, the following measures will not reduce the proposed impact of demolition of the Former Drive-In Theatre on the Property to a less-than-significant level under CEQA. The impact would remain significant and unavoidable.

(I) Historical American Building Survey (HABS)

Prior to the issuance of a demolition permit, the Applicant shall submit a Historic American Buildings Survey (HABS) Level II to the City of Santee for review and approval. This mitigation measure will provide an in-depth record of the Property's current state, including high-resolution photographs, detailed architectural drawings, and text explaining the drawings and photographs. The (HABS) Level II survey will help preserve a visual and documented history of the Property that may otherwise be lost after demolition. The submitted documentation not only serves to memorialize the Property for future generations but also allows for a future public appreciation of the Property's significance within the community.

The HABS documentation shall explicitly illustrate the significance of the Santee Drive-In Theatre for archival purposes, as specified below. The HABS will be made available for archival storage to the San Diego County Public Library, the San Diego History Center, and the City of Santee. The HABS shall include the following:

A. Drawings. The HABS documentation shall include measured drawings, including a Site Plan, Elevations, and known Construction Details prepared for the following

structures/objects: Entrance Sign; Concessions Building; Movie Screens; and Ticket Booths.

B. Photographs. The HABS documentation shall include professional-quality photographic documentation of the Entrance Sign; Concessions Building; Movie Screens; and Ticket Booths prior to any construction on the Property. The photographs should be 35-millimeter black-and-white photographs; 4x6-inch standard format; taken of all four structure/object exterior elevations; and be of archival quality and easily reproducible. Once the HABS documentation is deemed complete, one set of original HABS photographs shall be submitted for archival storage to the San Diego County Public Library, the San Diego History Center, and the City of Santee.

C. Written History & Description. The HABS documentation shall include a written history and description of the Santee Drive-In Theatre, developed in accordance with standards and format meeting the Department of the Interior's National Park Service requirements. The history will begin with a statement of significance supported by the development of the architectural and historical context in which the site was originally constructed and subsequently evolved. The written history will also include an architectural description and bibliographic information. The written history and description will also include a methodology section specifying the name of the researcher, date of research, and sources consulted.

(II) Interpretative Display.

Interpretative Display. Prior to the issuance of the certificate of occupancy for the Project, the Applicant shall work with the City of Santee to create an approximately 24-inch by 48-inch metal plaque or display outlining the history of the Santee Drive-In Theatre, including events and activities associated with the site.

The Applicant shall submit a plan to the City showing the location, size and content of the Interpretive Display. Upon request, the interpretive material shall be made available to schools, museums, archives and curation facilities, libraries, nonprofit organizations, the public, and other interested agencies. Prior to issuance of the certificate of occupancy for the Project, the Interpretive Display shall be installed by the Applicant on the Property or at the new location of the Entrance Sign, as described below. If the Interpretive Display is located on the Property, the Applicant shall record a covenant indicating that the property owner is responsible for implementing the long-term management of the Interpretive Display. If, at the City's discretion, the Interpretive Display is located on off-site property owned by the City, the City shall assume long-term management of the Interpretive Display.

The interpretive display is intended to be placed near the final location of the Entrance Sign, which, as described under Mitigation Measure (III), will either be preserved on-site or relocated to an off-site location. By situating the interpretative display in proximity to the Entrance Sign, the public will be able to gain a deeper understanding of the significance of the Santee Drive-In Theatre, its role in the community, and its history while enjoying

the visual backdrop of the Entrance Sign. The combination of the interpretive display and the Entrance Sign will provide visual interest to the community while providing a written context to serve as an educational resource for the community.

(III) Relocation & Rehabilitation Of The Entrance Sign.

Rehabilitation & Relocation of the Entrance Sign. The City and the Applicant may mutually agree to either preserve the Entrance Sign on the Property or relocate it to a City-owned property within the Arts and Entertainment neighborhood. Prior to the issuance of a demolition permit for the Project, the Applicant shall submit a plan to the City of Santee for approval to rehabilitate and temporarily store the Entrance Sign, which consists of the neon tubing outlining the word "Santee," the neon star, and the marquee. The plan, which is to be approved by the City, shall include information and details related to the rehabilitation, temporary storage and ultimate location of the Entrance Sign. Rehabilitation and storage of the Entrance Sign will be undertaken by the Applicant in a manner consistent with the Secretary of the Interior's Standards or other applicable industry standards . If the Entrance Sign is located on the Property, the Applicant shall record a covenant indicating that the property owner is responsible for implementing the long-term management of the Entrance Sign. If the Entrance Sign is located on off-site property owned by the City, the City shall assume long-term management of the Entrance Sign. If the City elects to require the Applicant to place the Entrance Sign and/or interpretative display on a City-owned off-site property, and the City, despite the Applicant's commercially reasonable efforts and through no fault of the Applicant, fails to provide the necessary authorization for the Applicant to begin the relocation of the Entrance Sign prior to the issuance of a Certificate of Occupancy for the project, the City shall not withhold the issuance of the Project's Certificate of Occupancy. Prior the issuance of a Certificate of Occupancy, the City and the Applicant shall mutually determine to reinstall the rehabilitated Entrance Sign at an appropriate location on the project site that is visible to the public from Woodside Avenue with recordation of a covenant by the Applicant indicating that the property owner is responsible for implementing the long-term management of the Entrance Sign. Alternatively, the City and the Applicant shall mutually determine an extended temporary storage plan for the sign with a security from the Applicant to complete the relocation after issuance of the Certificate of Occupancy or an Applicant provided funding mechanism for the City to complete this work.

The Entrance Sign is one of the most recognizable visual elements of the Santee Drive-In Theatre. Preserving this sign as a tangible, physical object ensures that the history of the Drive-In Theatre remains in order to be appreciated and viewed by the public. The Entrance Sign will provide a direct nexus to the history of the Drive-in Theatre and as outlined in Mitigation Measure (II), and the Entrance Sign will be complemented by an Interpretive Display. Together, the Entrance Sign and the Interpretive Display will provide historical context, detailing the Drive-In Theatre's history.

(IV) Historical Preservation Funding.

Historical Preservation Funding. In the event the Interpretive Display and Entrance Sign are relocated to City property, the City will be responsible for the long-term management of the Interpretive Display and Entrance Sign. Accordingly, if the Interpretive Display and Entrance Sign are located on City property or moved off of the Project site, after the Applicant completes the rehabilitation, storage, and relocation, the Applicant shall provide a donation to the City of Santee in the amount of $7,500 (seven thousand five hundred dollars) which is intended to fund the long-term management of the interpretive display and Entrance Sign by the City.

Summary Conclusion

The Former Drive-In Theatre on the Property consists of eight (8) main components: two (2) drive-in motion picture screens (Screen #1 and Screen #2); one (1) Concessions Building; two (2) parking lots (one for each movie screen); two (2) Ticket Booths; and one (1) Entrance Sign. The site was originally developed in 1962 with the construction of the Entrance Sign, Concessions Stand, and Screen #1 and parking lot. It later expanded c.1976 with the construction of Screen #2 and parking lot, the Ticket Booths, and ancillary storage sheds. The identities of the architects, designers, and/or builders responsible for the construction of the structures is not known, and the Modern Contemporary style of the structures is unremarkable. Sometime between 1964-1967, the Property became used once a week, during the day, as the "Santee Swap Meet." Over the years, the Former Drive-In Theatre on the Property has not been substantially modified and/or altered from that of its original design/construction, but it has naturally deteriorated over time. Today, the Property serves as an open, surface parking lot.

Historical research indicates that the Former Drive-In Theatre on the Property could be architecturally significant under National Register of Historic Places Criterion C (Design/Construction) and California Register of Historical Resources Criterion 3 (Design/Construction) for its type, period, and method of 1960s-1970s drive-in movie theatre construction. Although the Former Drive-In Theatre on the Property is unremarkable and undistinguished, it displays character-defining features associated with drive-in movie theatre architecture, and as a result, the Former Drive-In Theatre on the Property has conservatively been determined to be eligible for listing on the National Register of Historic Places and California Register of Historical Resources at the local level of significance.

As a Property which has conservatively been deemed to be eligible for listing in the National and California Registers, it is conservatively assumed to be a historical resource under CEQA, and therefore, mitigation measures have been recommended including Historic American Building Survey (HABS) documentation; an interpretative display; relocation and rehabilitation of the Entrance Sign as specified above, and funding for the long-term management of the interpretive display and Entrance Sign by the City (if applicable; otherwise the donation will be used to fund other local historic preservation efforts). Although these measures have been proposed to preserve the history and

architectural significance of the Former Drive-In Theatre, they will not mitigate the Project impact of demolition to a less-than-significant level under CEQA.

Again, the conservative assumptions and determinations made in this Historical Assessment are made in the interest of a conservative CEQA analysis of the proposed demolition of the Former Drive-In Theatre on the Property as part of the Project. Other recent CEQA determinations involving the demolition of other drive-in theatres in the State of California have concluded that those drive-in theatres are not historical resources under CEQA. For example, the Hi-Way Drive-In Theatre in the City of Santa Maria, the Mission Drive-In Theatre in the City of Montclair, and the Mission Drive-In Theatre (later renamed the Valley Drive-In Theatre) in the City of Oceanside, all of which were built in the 1950s or 1960s, were all deemed to be ineligible for historic designation at the local, state and national levels.[3]

Bibliography

"800 Protest Lurid Movies At Drive-In," *San Diego Union*, July 24, 1974.

Boland Beth Grosvenor, United States Department of the Interior, National Park Services *Guidelines for Evaluating and Documenting Properties Associated With Significant Persons*, National Register Bulletin 32, 2000.

Boyd, Susan Forte, Interview with Scott A. Moomjian, November 15, 2023.

California Department of Parks and Recreation, Office of Historic Preservation, *California Historic Resources Inventory Survey Workbook*, Third Revision, August 1986.

California Department of Parks and Recreation, Office of Historic Preservation, Technical Assistance Series #6, *California Register and National Register: A Comparison (for purposes of determining eligibility for the California Register)*, N.D.

"Case Termed Difficult," *San Diego Union*, December 18, 1974.

"Court Schedules Hearing On X-Rated Films," *San Diego Union*, December 6, 1974.

"Drive-Ins Face 'X' Film Curbs," *San Diego Union*, August 28, 1974.

Longstreth, Richard, *The Buildings Of Main Street, A Guide To American Commercial Architecture*, Washington D.C., The Preservation Press, 1987.

McAlester, Virginia & Lee, *A Field Guide to American Houses*, New York, Alfred A.

[3] See the City of Santa Maria Environmental Checklist/Initial Study for the Peoples Self Help Residential Project dated August 2021; the City of Montclair Draft Environmental Impact Report for the Mission Boulevard and Ramona Avenue Business Park Project dated January 2022; and the City of Oceanside Final Supplemental Environmental Impact Report for the Ocean Kamp Project dated July 2022.

Knopf, 2000.

Moore, Cortney, "Why did the drive-in movie industry die?," June 6, 2020.

"New Effort To Bar 'X' Films Due," September 26, 1974.

Nelson, Blake, "Santee Drive-In will close in January amid high costs, dwindling audience, owner and developer say," *San Diego Union Tribune*, September 1, 2023.

"Planners Will Hear Film Ban Arguments," *San Diego Union*, January 3, 1975.

Reid, Robin T., "The History of the Drive-In Movie Theater," *Smithsonian*, May 27, 2008.

Sanborn Fire Insurance Maps, 1906.

San Diego County Assessor's Office, Commercial-Industrial Building Records, 10990 North Woodside Avenue, Santee, California.

San Diego Evening Tribune, August 13, 1971 & March 18, 1968.

San Diego Historical Center, Research and Photographic Archives.

San Diego Union, September 22, 1962; September 26, 1962; May 18, 1967.

San Diego Union & Daily Bee, January 1, 1968.

Security Title Insurance Company, *Security Title's Subdivision Handbook*, San Diego, Security Title Insurance Company, 1956.

Sifuentes, Edward, "Oceanside drive-in's screens come down," *San Diego Union Tribune*, July 15, 2016.

Sisson, Paul, "Curtain call for Santee Drive-In: One of city's last auto cinemas has Gone Dark after 65 years," *San Diego Union Tribune*, January 1, 2024.

"Supervisors Again Try To Bar X-Rated Films," *San Diego Union*, September 26, 1974.

Tappy, Marissa, "The Death And Reincarnation Of Drive-In Movie Theaters," August 26, 2020.

United States Department of the Interior, National Park Service, *How to Apply the National Register Criteria for Evaluation*, National Register Bulletin 15, Revised 1991.

White, Norval, *The Architecture Book*, New York, Alfred A. Knopf, First Edition, 1976.

www.ancestry.com.

www.geneologybank.com.

www.historicaerials.com.

"X-Rated Films Get Reprieve," *San Diego Union*, January 4, 1975.

Appendix G

Geotechnical Engineering Investigation

Updated Geotechnical Engineering Investigation
Proposed Industrial Warehouse Development
10229 N. Woodside Drive
Santee, California

Noth Palisade Partners, LLC
1330 Factory Place #105
Los Angeles, California 90013

Attn: Mr. William Jacobs

Project Number 23559-22
March 20, 2024

NorCal Engineering

TABLE OF CONTENTS

Section		Page
1.0	**Project Description**	2
2.0	**Site Description**	2
3.0	**Site Exploration**	2
4.0	**Laboratory Tests**	3
4.1	Field Moisture Content	4
4.2	Sieve Analyses	4
4.3	Maximum Density Tests	4
4.4	Expansion Index Tests	4
4.5	Atterberg Limits	4
4.6	Corrosion Tests	4
4.7	R-Value Test	4
4.8	Direct Shear Tests	4
4.9	Consolidation Tests	5
5.0	**Seismicity Evaluation**	5
6.0	**Liquefaction Evaluation**	6
7.0	**Infiltration Characteristics**	7
8.0	**Conclusions and Recommendations**	9
8.1	Site Grading Recommendations	9
8.1.1	Removal and Recompaction Recommendations	9
8.1.2	Fill Blanket Recommendations	10
8.2	Shrinkage and Subsidence	11
8.3	Temporary Excavations	11
8.4	Foundation Design	11
8.5	Settlement Analysis	12
8.6	Lateral Resistance	12
8.7	Retaining Wall Design Parameters	13
8.8	Slab Design	14
8.9	Pavement Section Design	14
8.10	Utility Trench and Excavation Backfill	15
8.11	Corrosion Design Criteria	16
8.12	Expansive Soil	16
9.0	**Closure**	16

NorCal Engineering

Soils and Geotechnical Consultants
10641 Humbolt Street Los Alamitos, CA 90720
(562) 799-9469

March 20, 2024 Project Number 23559-22

North Palisade Partners, LLC
1330 Factory Place #105
Los Angeles, California 90013

Attn.: Mr. William Jacobs

RE: **Updated Geotechnical Engineering Investigation** - Proposed Industrial Warehouse Development - Located at 10229 N. Woodside Drive, in the City of Santee, California

Dear Mr. Jacobs:

Pursuant to your request, this firm has performed an Updated Geotechnical Engineering Investigation for the above referenced project in accordance with your approval of our proposal dated September 1, 2022. The purpose of this investigation is to evaluate the geotechnical conditions of the subject site and to provide recommendations for the proposed industrial warehouse development. Additional reports were provided by this firm to address City of Santee - Geotechnical Plan Check Review Sheets and have been incorporated into this geotechnical study.

The scope of work included the following: 1) site reconnaissance; 2) subsurface geotechnical exploration and sampling; 3) laboratory testing; 4) soil infiltration testing; 5) engineering analysis of field and laboratory data; 6) preparation of a geotechnical engineering report. It is the opinion of this firm that the proposed development is feasible from a geotechnical standpoint provided that the recommendations presented in this report are followed in the design and construction of the project.

1.0 Project Description

It is proposed to construct an industrial warehouse development consisting of 294,045 square feet building as shown on the attached Site Plan by Herdman Architecture and Design, dated November 2023. The proposed concrete tilt-up structure will be supported by a conventional slab-on-grade foundation system with perimeter-spread footings and isolated interior footings. Other improvements will include asphalt and concrete pavement areas, screen walls, hardscape and landscaping. It is assumed that the proposed grading for the development will include cut and fill procedures on the order of a few feet to achieve finished grade elevations. Final building plans shall be reviewed by this firm prior to submittal for city approval to determine the need for any additional study and revised recommendations pertinent to the proposed development, if necessary.

2.0 Site Description

The 13.66-acre subject property is located within the north 10900 block and north side of Woodside Drive, west of Mission Park Place, in the City of Santee. The generally flag-shaped parcel is slightly elongated in an east to west direction with topography of the relatively level property descending from gradually from a south to north direction on the order of a few feet. The parcel is occupied by Santee Drive-In Theatre with a few small buildings and surrounding asphalt pavement. The San Diego River is located approximately 150 to 200 feet north of the subject site. The project site is elevated about 25 to 30 feet in height and gradually descends from property line at an overall gradient of 6 to 1 (horizontal to vertical) towards the river.

3.0 Site Exploration

The investigation consisted of the placement of nine (9) subsurface exploratory borings by a truck mounted hollow stem auger to depths ranging between 5 and 50 feet and three (3) CPT soundings to a depth of 50 feet below current ground elevations. The explorations were visually classified and logged by a field engineer. An on-field computer generated CPT log provides output data with the penetration resistance values and inferred soil description. The locations of the previous borings and recent CPT soundings are shown on the Geologic Map.

The exploratory borings revealed the existing earth materials to consist of fill and alluvium soil. Detailed descriptions of the subsurface conditions are listed on the boring logs in Appendix A. It should be noted that the transition from one soil type to another as shown on the boring logs is approximate and may in fact be a gradual transition. The soils encountered are described as follows:

Fill (Af): A man-made fill classifying as a brown, fine to coarse grained, silty SAND with occasional small gravel was encountered to a depth ranging from 1 to 2 feet below ground surface. These soils were noted to be medium dense and moist.

Natural (Qoa): An undisturbed alluvial soil classifying as a light brown, medium to coarse grained, SAND to a brown fine to coarse grained, slightly silty to silty SAND was encountered beneath the fill soils. These native soils were observed to be medium dense and damp to wet.

The overall engineering characteristics of the earth material were relatively uniform with each excavation. Groundwater was encountered at a depth of 23 and 24 feet below existing ground surface.

4.0 Laboratory Tests

Relatively undisturbed samples of the subsurface soils were obtained to perform laboratory testing and analysis for direct shear, consolidation tests, and to determine in-place moisture/densities. These relatively undisturbed ring samples were obtained by driving a thin-walled steel sampler lined with one-inch long brass rings with an inside diameter of 2.42 inches into the undisturbed soils. Bulk bag samples were obtained in the upper soils for expansion index tests and maximum density tests.

Standard penetration tests were obtained by driving a steel sampler unlined with an inside diameter of 1.5 inches into the soils. This standard penetrometer sampler was driven a total of eighteen inches with blow counts tallied every six inches. Blow count data is given on the Boring Logs in Appendix A. All test results are included in Appendix B, unless otherwise noted.

4.1 **Field Moisture Content** (ASTM: D 2216) and the dry density of the ring samples were determined in the laboratory. This data is listed on the logs of explorations.

4.2 **Sieve analyses** (ASTM: D 422-63) and the percent by weight of soil finer than the No. 200 sieve (ASTM: 1140) were performed on selected soil samples. These results are shown later within the body of this report.

4.3 **Maximum Density tests** (ASTM: D 1557) were performed on typical samples of the upper soils. Results of these tests are shown on Table I.

4.4 **Expansion Index tests** (ASTM: D 4829) were performed on remolded samples of the upper soils to determine expansive characteristics. Results of these tests are provided on Table II.

4.5 **Atterberg Limits** (ASTM: D 4318) consisting of liquid limit, plastic limit and plasticity index were performed on representative soil samples. Results are shown on Table III.

4.6 **Corrosion tests** consisting of sulfate, pH, resistivity and chloride analysis to determine potential corrosive effects of soils on concrete and underground utilities. Test results are provided on Table III.

4.7 **R-Value test** per California Test Method 301 was performed on a representative sample, which may be anticipated to be near subgrade to determine pavement design. Results are provided within the pavement design section of the report.

4.8 **Direct Shear tests** (ASTM: D 3080) were performed on undisturbed and/or remolded samples of the subsurface soils. The test is performed under saturated conditions at loads of 1,000 lbs./sq.ft., 2,000 lbs./sq.ft., and 3,000 lbs./sq.ft. with results shown on Plates A and B.

4.9 **Consolidation tests** (ASTM: D 2435) were performed on undisturbed samples to determine the differential and total settlement which may be anticipated based upon the proposed loads. Water was added to the samples at a surcharge of one KSF and the settlement curves are plotted on Plates C to E.

5.0 Seismicity Evaluation

The proposed development lies outside of any Alquist Priolo Special Studies Zone and the potential for damage due to direct fault rupture is considered unlikely. The site is situated in an area of high regional seismicity and the nearest fault is located about 15 kilometers from the site. Ground shaking originating from earthquakes along other active faults in the region is expected to induce lower horizontal accelerations due to smaller anticipated earthquakes and/or greater distances to other faults.

The seismic design acceleration parameters for the project site are provided on the following page based on the ASCE/SEI 7-16 American Society of Civil Engineers (ASCE) website, https://asce7hazardtool.online/. The seismic design report is attached is Appendix C

Seismic Design Acceleration Parameters

Latitude	32.848
Longitude	-116.959
Site Class	D
Risk Category	II
Mapped Spectral Response Acceleration	S_S = 0.766 S_1 = 0.282
Adjusted Maximum Acceleration	S_{MS} = 1.194
Design Spectral Response Acceleration Parameters	S_{DS} = 0.610
Peak Ground Acceleration	PGA_M = 0.417

Use of these values is dependent on requirements of ASCE 7-16, 11-4.8, Exception 2 that requires the value of the seismic response coefficient C_s be determined by Equation 12.8.2 for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either 12.8-3 for $T_L \geq T \geq 1.5T_s$ or Equation 12.8-4 for $T > T_L$. Computations and verification of these conditions is referred to the structural engineer.

6.0 Liquefaction Evaluation

The site is expected to experience ground shaking and earthquake activity that is typical of Southern California area. It is during severe ground shaking that loose, granular soils below the groundwater table can liquefy. Based upon information shown on the "County of San Diego Hazard Mitigation Planning Map" dated 2009, the subject site is situated within an area of liquefaction. A review of the exploratory boring log and the laboratory test results on selected soil samples obtained indicate the following soil classifications, field blowcounts and amounts of fines passing through the No. 200 sieve.

Field Blowcount and Gradation Data

Boring No.	Classification	Blowcounts (blows/ft)	Relative Density	% Passing No. 200 Sieve
B-3 @ 5'	SW	7	Medium Dense	5
B-3 @ 10'	SW	12	Medium Dense	5
B-3 @ 15'	SW	12	Medium Dense	3
B-3 @ 20'	CL	12	Medium Stiff	64
B-3 @ 25'	SW	20	Dense	4
B-3 @ 30'	SW	20	Very Dense	4
B-3 @ 35'	SW	31	Very Dense	3
B-3 @ 40'	SW	37	Very Dense	3
B-3 @ 45'	SW	32	Very Dense	5
B-3 @ 50'	SW	33	Very Dense	8

Groundwater was encountered at a depth of 23 and 24 feet below ground surface. A nearby groundwater monitoring well located approximately 1.5 miles to the northeast from the subject site noted a groundwater depth ranging between 18 and 22 feet below ground surface measured between May 2016 and August 2022.

Our updated liquefaction evaluation was performed using a CPT-1, CPT-2A and CPT-3 output data due to a local Magnitude 6.9 earthquake with an historical high groundwater depth of 20 feet. The estimated seismic settlements are listed below based on a Peak Ground Acceleration of 0.42g with our calculations given in Appendix B.

Location	Seismic Settlement
CPT-1	7/8"
CPT-2A	5/8"
Boring B-3	7/8"
CPT-3	7/8"

Very dense sands were encountered at depths of 36 to 44 feet in the CPT soundings. The seismic settlements should be 7/8 inch or less in the building pad area. Differential settlements would be on the order of ¼ inch over a 50 feet (horizontal) distance. Our seismic settlement calculations are included in Appendix C.

7.0 Infiltration Characteristics

The proposed infiltration chamber system is located towards the back of the property as shown on the attached Geologic Map. The field exploration consisted of three (3) exploratory borings by a truck mounted hollow stem auger to depths of 10 feet below ground surface (bgs) to determine the subsurface soil conditions. The borings encountered surficial fill underlain by alluvial deposits consisting of a brown, medium to coarse grained silty to slightly silty SAND with occasional gravel. These soils were noted to be medium dense and damp to moist. The location of the exploratory borings are shown on the attached Site Plan. Detailed description of the subsurface soils is shown on the attached logs in Appendix A.

Infiltration tests were performed in accordance with the County of San Diego BMP Design Manual Appendix D – Geotechnical Engineer Analysis dated September 15, 2020 with field infiltration rates calculated using the Porchet Method (aka Inverse Borehole Method). The borings consisted of six-inch diameter test holes. A three-inch diameter perforated PVC casing with solid end cap was installed in the borings and then surrounded with gravel materials to prevent caving.

The infiltration holes were carefully filled with clean water and refilled after two initial readings. Based upon the initial rates of infiltration at each location, test measurements were measured at selected maximum intervals thereafter. Measurements were obtained by using an electronic tape measure with 1/16-inch divisions and timed with a stopwatch.

Based upon the results of our testing, the soils encountered in the planned on-site drainage disposal system area exhibit the following field infiltration rates which do not include a factor of safety. The drainage disposal system shall utilize design infiltration rates based on the safety factor required by the county standard. Calculations are based on the Porchet Method and are provided in Appendix D.

Boring/Test No.	Depth	Soil Classification	Field Infiltration Rate
TH-1	10'	Silty SAND	50 in/hr
TH-2	10'	Silty SAND	150 in/hr
TH-3	10'	Silty SAND	150 in/hr

Groundwater was encountered at a depth of 23 and 24 feet below ground surface. A nearby groundwater monitoring well located approximately 1.5 miles to the northeast from the subject site noted a groundwater depth ranging between 18 and 22 feet below ground surface measured between May 2016 and August 2022.

All systems must meet the latest city and/or county specifications and the California Regional Water Quality Control Board (CRWQCB) requirements. It is recommended that foundations shall be setback a minimum distance of 10 feet from the drainage disposal system and the bottom of footing shall be a minimum of 10 feet from the expected zone of saturation. The boundary of the zone of saturation may be assumed to project downward from the top of the permeable portion of the disposal system at an inclination of 1 to 1 or flatter, as determined by the geotechnical engineer.

8.0 Conclusions and Recommendations

Based upon our evaluations, the proposed development is acceptable from a geotechnical engineering standpoint. By following the recommendations and guidelines set forth in our report, the structures will be safe from excessive settlements under the anticipated design loadings and conditions. The proposed development shall meet all requirements of the City Building Ordinance and will not impose any adverse effect on existing adjacent structures.

The following recommendations are based upon soil conditions encountered in our field investigation; these near-surface soil conditions could vary across the site. Variations in the soil conditions may not become evident until the commencement of grading operations for the proposed development and revised recommendations from the geotechnical engineer may be necessary based upon the conditions encountered.

It is recommended that site inspections be performed by a representative of this firm during all grading and construction of the development to verify the findings and recommendations documented in this report. Any unusual conditions which may be encountered in the course of the project development may require the need for additional study and revised recommendations.

8.1 Site Grading Recommendations

Any vegetation and/or demolition debris shall be removed and hauled from proposed grading areas prior to the start of grading operations. Existing vegetation shall not be mixed or disced into the soils. Any removed soils may be reutilized as compacted fill once any deleterious material or oversized materials (in excess of eight inches) is removed. Grading operations shall be performed in accordance with the attached *Specifications for Placement of Compacted Fill.*

8.1.1 Removal and Recompaction Recommendations

All disturbed soils and/or fill (about 1 to 2 feet below ground surface) shall be removed to competent native material (relative compaction > 90%), the exposed surface scarified to a depth of 12 inches, brought to within 2% of optimum moisture content and compacted to a minimum of 90% of the laboratory standard (ASTM: D 1557) prior to placement of any additional compacted fill soils, foundations, slabs-on-grade and pavement. Grading shall extend a minimum of five horizontal feet outside the edges of foundations or equidistant to the depth of fill placed, whichever is greater.

It is possible that isolated areas of undiscovered fill not described in this report are present on site; if found, these areas should be treated as discussed earlier. A diligent search shall also be conducted during grading operations in an effort to uncover any underground structures, irrigation or utility lines. If encountered, these structures and lines shall be either removed or properly abandoned prior to the proposed construction.

Any imported fill material should be preferably soil similar to the upper soils encountered at the subject site. All soils shall be approved by this firm prior to importing at the site and will be subjected to additional laboratory testing to assure concurrence with the recommendations stated in this report.

If placement of slabs-on-grade and pavement is not completed immediately upon completion of grading operations, additional testing and grading of the areas may be necessary prior to continuation of construction operations. Likewise, if adverse weather conditions occur which may damage the subgrade soils, additional assessment by the soils engineer as to the suitability of the supporting soils may be needed.

Care should be taken to provide or maintain adequate lateral support for all adjacent improvements and structures at all times during the grading operations and construction phase. Adequate drainage away from the structures, pavement and slopes should be provided at all times.

8.1.2 Fill Blanket Recommendations

Due to the potential for differential settlement of foundations placed on compacted fill and native materials, it is recommended that all foundations including floor slab areas be underlain by a uniform compacted fill blanket at least two feet in thickness. This fill blanket shall extend a minimum of five horizontal feet outside the edges of foundations or equidistant to the depth of fill placed, whichever is greater.

8.2 Shrinkage and Subsidence

Results of our in-place density tests reveal that the soil shrinkage will be on the order of 10 to 15% due to excavation and recompaction, based upon the assumption that the fill is compacted to 92% of the maximum dry density per ASTM standards. Subsidence should be 0.2 feet die to earthwork operations. The volume change does not include any allowance for vegetation or organic stripping, removal of subsurface improvements, or topographic approximations. Although these values are only approximate, they represent our best estimate of lost yardage, which will likely occur during grading. If more accurate shrinkage and subsidence factors are needed, it is recommended that field testing the actual equipment and grading techniques should be conducted.

8.3 Temporary Excavations

Temporary unsurcharged excavations in the existing site materials may be made at vertical inclinations up to 3 feet in height unless cohesionless soils are encountered. In areas where soils with little or no binder are encountered, where adverse geological conditions are exposed, or where excavations are adjacent to existing structures, shoring or flatter excavations may be required. The temporary cut slope gradients given above do not preclude local raveling and sloughing. Additional recommendations regarding specific excavations may be provided once typical detail sections are made available.

All excavations shall be made in accordance with the requirements of the geotechnical engineer, CAL-OSHA and other public agencies having jurisdiction. Care should be taken to provide or maintain adequate lateral support for all adjacent improvements and structures at all times during the grading operations and construction phase.

8.4 Foundation Design

All foundations for the proposed building may be designed utilizing the following allowable bearing capacities for an embedded depth of 18 inches into approved engineered fill with the corresponding widths:

Allowable Bearing Capacity (psf)		
Width (feet)	Continuous Foundation	Isolated Foundation
1.5	2000	2500
2.0	2075	2575
4.0	2075	2875
6.0	2500	3000

The bearing value may be increased by 500 psf for each additional foot of depth in excess of the 18-inch minimum depth, up to a maximum of 4,000 psf. A one-third increase may be used when considering short-term loading and seismic forces. Any foundations located along property line may utilize an allowable bearing capacity of 1,500 psf and embedded into competent native soils. A representative of this firm shall inspect all foundation excavations prior to pouring concrete.

8.5 Settlement Analysis

Resultant pressure curves for the consolidation tests are shown on Plates C to E. Computations utilizing these curves and the recommended allowable soil bearing capacities reveal that the foundations will experience settlements on the order of ¾ inch and differential settlements of less than ¼ inch.

8.6 Lateral Resistance

The following values may be utilized in resisting lateral loads imposed on the structure. Requirements of the California Building Code should be adhered to when the coefficient of friction and passive pressures are combined.

Coefficient of Friction - 0.40

Equivalent Passive Fluid Pressure = 250 lbs./cu.ft.

Maximum Passive Pressure = 2,500 lbs./cu.ft.

The passive pressure recommendations are valid only for approved compacted fill soils or competent native materials.

8.7 **Retaining Wall Design Parameters**

Active earth pressures against retaining walls will be equal to the pressures developed by the following fluid densities. These values are for **approved granular backfill material** placed behind the walls at various ground slopes above the walls.

Surface Slope of Retained Materials (Horizontal to Vertical	Equivalent Fluid Density (lb./cu.ft.)
Level	30
5 to 1	3●
4 to 1	3●
4 to 1	40
5 to 1	4●

Any applicable short-term construction surcharges and seismic forces should be added to the above lateral pressure values. An equivalent fluid pressure of 45 pcf may be utilized for the restrained wall condition with a level grade behind the wall.

The seismic-induced lateral soil pressure for walls greater than 6 feet may be computed using a triangular pressure distribution with the maximum value at the top of the wall. The maximum lateral pressure of (20 pcf) H where H is the height of the retained soils above the wall footing should be used in final design of retaining walls. Sliding resistance values and passive fluid pressure values may be increased by 1/3 during short-term wind and seismic loading conditions.

All walls shall be waterproofed as needed and protected from hydrostatic pressure by a reliable permanent subdrain system. The granular backfill to be utilized immediately adjacent to retaining walls shall consist of an approved select granular soil with a sand equivalency greater than 30.

This backfill zone of free draining material shall consist of a wedge beginning a minimum of one horizontal foot from the base of the wall extending upward at an inclination of no less than ¾ to 1 (horizontal to vertical).

8.8 Slab Design

All concrete slabs shall be a minimum of six inches in thickness in the proposed warehouse areas and four inches in office and hardscape placed on approved subgrade soils. Additional reinforcement requirements and an increase in thickness of the slabs-on-grade may be necessary based upon proposed loading conditions in the structures and should be evaluated further by the project engineers and/or architect.

A vapor retarder (10-mil minimum thickness) should be utilized in areas which would be sensitive to the infiltration of moisture. This retarder shall meet requirements of ASTM E 96, *Water Vapor Transmission of Materials* and ASTM E 1745, *Standard Specification for Water Vapor Retarders used in Contact with Soil or Granular Fill Under Concrete Slabs.* The vapor retarder shall be installed in accordance with procedures stated in ASTM E 1643, *Standard practice for Installation of Water Vapor Retarders used in Contact with Earth or Granular Fill Under Concrete Slabs.*

The moisture retarder may be placed directly upon compacted subgrade soils conditioned to near optimum moisture levels, although one to two inches of sand beneath the membrane is desirable. The subgrade upon which the retarder is placed shall be smooth and free of rocks, gravel or other protrusions which may damage the retarder. Use of sand above the retarder is under the purview of the structural engineer; if sand is used over the retarder, it should be placed in a dry condition.

8.9 Pavement Section Design

The table on the following page provides a preliminary pavement design based upon an R-Value of 78 for the subgrade soils for the proposed pavement areas. Final pavement design may need to be based on R-Value testing of the subgrade soils near the conclusion of site grading to assure that these soils are consistent with those assumed in this preliminary design. *The recommendations are based upon estimated traffic loads. Client should submit any other anticipated traffic loadings to the geotechnical engineer, if necessary, so that pavement sections may be reviewed to determine adequacy to support the proposed loadings.*

Type of Traffic	Traffic Index	Asphalt (in.)	Base Material (in.)
Automobile Parking Stalls	4.0	4.0	4.0
Light Vehicle Circulation Areas	5.5	5.5	5.5
Heavy Truck Access Areas	7.0	4.0	8.0

Any concrete slab-on-grade in pavement areas shall be a minimum of seven inches in thickness and may be placed on approved subgrade soils. All pavement areas shall have positive drainage toward an approved outlet from the site. Drain lines behind curbs and/or adjacent to landscape areas should be considered by client and the appropriate design engineers to prevent water from infiltrating beneath pavement. If such infiltration occurs, damage to pavement, curbs and flow lines, especially on sites with expansive soils, may occur during the life of the project.

Any approved base material shall consist of a Class II aggregate or equivalent and should be compacted to a minimum of 95% relative compaction. All pavement materials shall conform to the requirements set forth by the City of Santee. The base material; and asphaltic concrete should be tested prior to delivery to the site and during placement to determine conformance with the project specifications. A pavement engineer shall designate the specific asphalt mix design to meet the required project specifications.

8.10 **Utility Trench and Excavation Backfill**

Trenches from installation of utility lines and other excavations may be backfilled with on-site soils or approved imported soils compacted to a minimum of 90% relative compaction. All utility lines shall be properly bedded with clean sand having a sand equivalency rating of 30 or more. This bedding material shall be thoroughly water jetted around the pipe structure prior to placement of compacted backfill soils.

8.11 **Corrosion Design Criteria**

Representative samples of the surficial soils, typical of the subgrade soils expected to be encountered within foundation excavations and underground utilities were tested for corrosion potential. The minimum resistivity value obtained for the samples tested is representative of an environment that may be severely corrosive to metals. The soil pH value was considered mildly acidic and may not have a significant effect on soil corrosivity. Consideration should be given to corrosion protection systems for buried metal such as protective coatings, wrappings or the use of PVC where permitted by local building codes.

According to Table 4.3.1 of ACI 318 Building Code and Commentary, these contents revealed negligible sulfate concentrations. Therefore, a Type II cement according to latest CBC specifications may be utilized for building foundations at this time. It is recommended that additional sulfate tests be performed at the completion of site grading to assure that the as graded conditions are consistent with the recommendations stated in this design. Corrosion test results may be found on the attached Table IV.

8.12 **Expansive Soil**

If expansive soils are encountered, special attention should be given to the project design and maintenance. The attached *Expansive Soil Guidelines* should be reviewed by the engineers, architects, owner, maintenance personnel and other interested parties and considered during the design of the project and future property maintenance.

9.0 Closure

The recommendations and conclusions contained in this report are based upon the soil conditions uncovered in our test excavations. No warranty of the soil condition between our excavations is implied. NorCal Engineering should be notified for possible further recommendations if unexpected to unfavorable conditions are encountered during construction phase. It is the responsibility of the owner to ensure that all information within this report is submitted to the Architect and appropriate Engineers for the project.

A preconstruction conference should be held between the developer, general contractor, grading contractor, city inspector, architect, and geotechnical engineer to clarify any questions relating to the grading operations and subsequent construction. Our representative should be present during the grading operations and construction phase to certify that such recommendations are complied within the field.

This geotechnical investigation has been conducted in a manner consistent with the level of care and skill exercised by members of our profession currently practicing under similar conditions in the Southern California area. No other warranty, expressed or implied is made.

We appreciate this opportunity to be of service to you. If you have any further questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
NORCAL ENGINEERING

Keith D. Tucker
Project Engineer
R.G.E. 841

REGISTERED PROFESSIONAL ENGINEER
KEITH D. TUCKER
No. 841
Exp. 12/31/2024
GEOTECHNICAL
STATE OF CALIFORNIA

Scott D. Spensiero
Project Manager

References

1. American Society of Civil Engineers (ASCE) website, https://asce7hazardtool.online/

2. California Building Code, 2022.

3. California Department of Conservation, California Geological Survey, 2007, Fault-Rupture Hazard Zones in California; Special Publication 42.

4. California Department of Water Resources, Internet Website, http://www.water.ca.gov/waterdatalibrary/index.cfm.

5. California Division of Mines and Geology, 2008, Guidelines for Evaluating and Mitigating Seismic Hazards in California: Special Publication 117A.

6. City of Santee - Safety Element.

7. County of San Diego BMP Design Manual Appendix D – Geotechnical Engineer Analysis dated September 15, 2020.

8. NorCal Engineering – "Response to Geotechnical Third-Party Review - Proposed Industrial Warehouse Development - Located at 10229 N. Woodside Drive, in the City of Santee, California" dated August 25, 2023.

9. NorCal Engineering – "Second Response to Geotechnical Third-Party Review - Proposed Industrial Warehouse Development - Located at 10229 N. Woodside Drive, in the City of Santee, California" dated January 5, 2024.

10. NorCal Engineering – "Updated Soil Infiltration Study - Proposed Industrial Warehouse Development - Located at 10229 N. Woodside Drive, in the City of Santee, California" dated March 18, 2024.

SPECIFICATIONS FOR PLACEMENT OF COMPACTED FILL

Excavation

Any existing low-density soils and/or saturated soils shall be removed to competent natural soil under the inspection of the Geotechnical Engineering Firm. After the exposed surface has been cleansed of debris and/or vegetation, it shall be scarified until it is uniform in consistency, brought to the proper moisture content and compacted to a minimum of 90% relative compaction (in accordance with ASTM: D 1557).

In any area where a transition between fill and native soil or between bedrock and soil are encountered, additional excavation beneath foundations and slabs will be necessary in order to provide uniform support and avoid differential settlement of the structure.

Material for Fill

The on-site soils or approved import soils may be utilized for the compacted fill provided they are free of any deleterious materials and shall not contain any rocks, brick, asphaltic concrete, concrete or other hard materials greater than eight inches in maximum dimensions. Any import soil must be approved by the Geotechnical Engineering firm a minimum of 72 hours prior to importation of site.

Placement of Compacted Fill Soils

The approved fill soils shall be placed in layers not excess of six inches in thickness. Each lift shall be uniform in thickness and thoroughly blended. The fill soils shall be brought to within 2% of the optimum moisture content, unless otherwise specified by the Soils Engineering firm. Each lift shall be compacted to a minimum of 90% relative compaction (in accordance with ASTM: D 1557) and approved prior to the placement of the next layer of soil. Compaction tests shall be obtained at the discretion of the Geotechnical Engineering firm but to a minimum of one test for every 500 cubic yards placed and/or for every 2 feet of compacted fill placed.

The minimum relative compaction shall be obtained in accordance with accepted methods in the construction industry. The final grade of the structural areas shall be in a dense and smooth condition prior to placement of slabs-on-grade or pavement areas. No fill soils shall be placed, spread or compacted during unfavorable weather conditions. When the grading is interrupted by heavy rains, compaction operations shall not be resumed until approved by the Geotechnical Engineering firm.

Grading Observations

The controlling governmental agencies should be notified prior to commencement of any grading operations. This firm recommends that the grading operations be conducted under the observation of a Soils Engineering firm as deemed necessary. A 24-hour notice must be provided to this firm prior to the time of our initial inspection.

Observation shall include the clearing and grubbing operations to assure that all unsuitable materials have been properly removed; approve the exposed subgrade in areas to receive fill and in areas where excavation has resulted in the desired finished grade and designate areas of overexcavation; and perform field compaction tests to determine relative compaction achieved during fill placement. In addition, all foundation excavations shall be observed by the Geotechnical Engineering firm to confirm that appropriate bearing materials are present at the design grades and recommend any modifications to construct footings.

EXPANSIVE SOIL GUIDELINES

The following expansive soil guidelines are provided for your project. The intent of these guidelines is to inform you, the client, of the importance of proper design and maintenance of projects supported on expansive soils. ***You, as the owner or other interested party, should be warned that you have a duty to provide the information contained in the soil report including these guidelines to your design engineers, architects, landscapers and other design parties in order to enable them to provide a design that takes into consideration expansive soils.***

In addition, you should provide the soil report with these guidelines to any property manager, lessee, property purchaser or other interested party that will have or assume the responsibility of maintaining the development in the future.

Expansive soils are fine-grained silts and clays which are subject to swelling and contracting. The amount of this swelling and contracting is subject to the amount of fine-grained clay materials present in the soils and the amount of moisture either introduced or extracted from the soils. Expansive soils are divided into five categories ranging from "very low" to "very high". Expansion indices are assigned to each classification and are included in the laboratory testing section of this report. *If the expansion index of the soils on your site, as stated in this report, is 21 or higher, you have expansive soils.* The classifications of expansive soils are as follows:

Classification of Expansive Soil*

Expansion Index	Potential Expansion
0-20	Very Low
21-50	Low
51-90	Medium
91-130	High
Above 130	Very High

*From Table 18A-I-B of California Building Code (1988)

When expansive soils are compacted during site grading operations, care is taken to place the materials at or slightly above optimum moisture levels and perform proper compaction operations. Any subsequent excessive wetting and/or drying of expansive soils will cause the soil materials to expand and/or contract. These actions are likely to cause distress of foundations, structures, slabs-on-grade, sidewalks and pavement over the life of the structure. ***It is therefore imperative that even after construction of improvements, the moisture contents are maintained at relatively constant levels, allowing neither excessive wetting or drying of soils.***

Evidence of excessive wetting of expansive soils may be seen in concrete slabs, both interior and exterior. Slabs may lift at construction joints producing a trip hazard or may crack from the pressure of soil expansion. Wet clays in foundation areas may result in lifting of the structure causing difficulty in the opening and closing of doors and windows, as well as cracking in exterior and interior wall surfaces. In extreme wetting of soils to depth, settlement of the structure may eventually result. Excessive wetting of soils in landscape areas adjacent to concrete or asphaltic pavement areas may also result in expansion of soils beneath pavement and resultant distress to the pavement surface.

Excessive drying of expansive soils is initially evidenced by cracking in the surface of the soils due to contraction. Settlement of structures and on-grade slabs may also eventually result along with problems in the operation of doors and windows.

Projects located in areas of expansive clay soils will be subject to more movement and "hairline" cracking of walls and slabs than similar projects situated on non-expansive sandy soils. There are, however, measures that developers and property owners may take to reduce the amount of movement over the life the development. The following guidelines are provided to assist you in both design and maintenance of projects on expansive soils:

- Drainage away from structures and pavement is essential to prevent excessive wetting of expansive soils. Grades should be designed to the latest building code and maintained to allow flow of irrigation and rain water to approved drainage devices or to the street. Any "ponding" of water adjacent to buildings, slabs and pavement after rains is evidence of poor drainage; the installation of drainage devices or regrading of the area may be required to assure proper drainage. Installation of rain gutters is also recommended to control the introduction of moisture next to buildings. Gutters should discharge into a drainage device or onto pavement which drains to roadways.

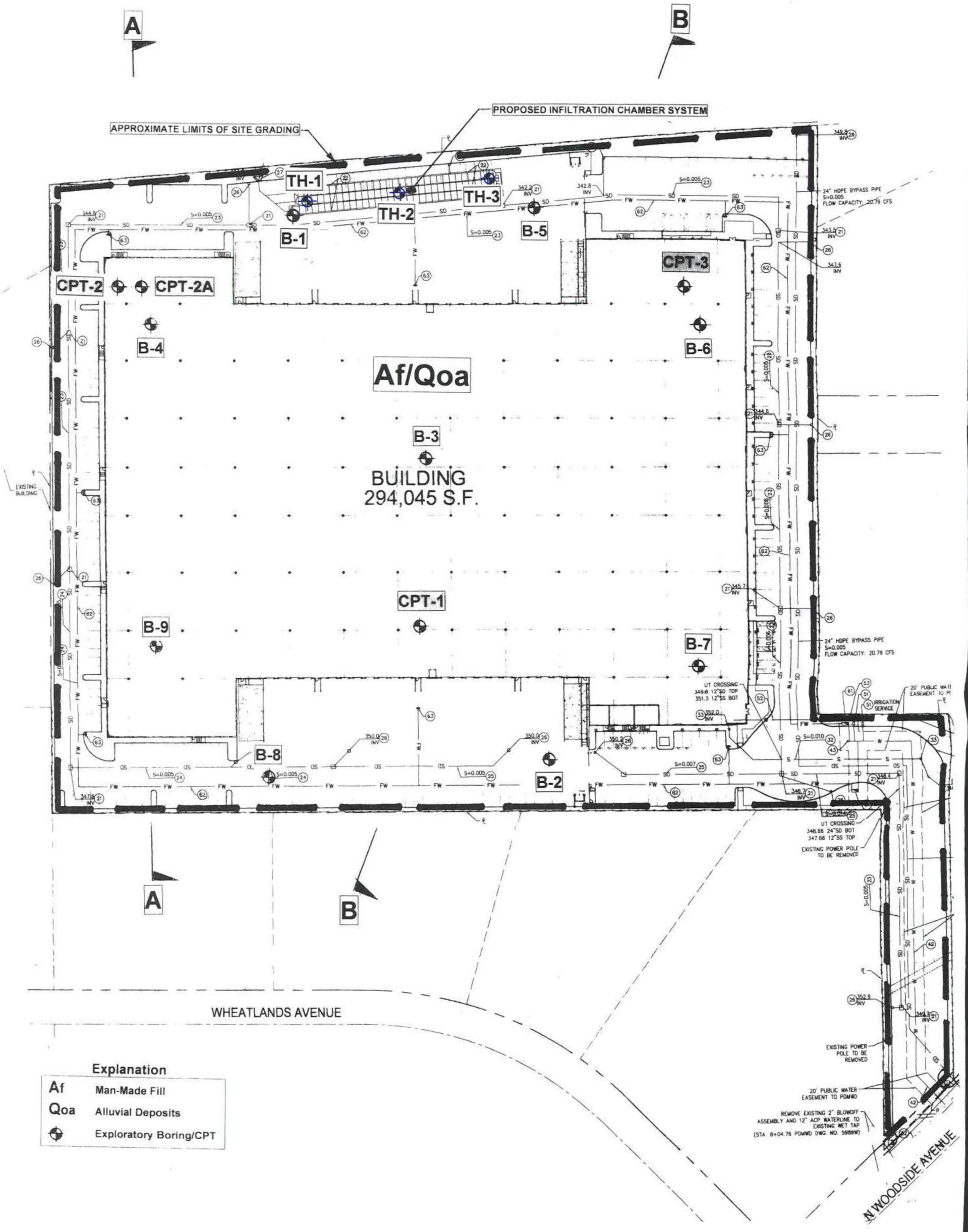
- Irrigation should be strictly controlled around building foundations, slabs and pavement and may need to be adjusted depending upon season. This control is essential to maintain a relatively uniform moisture content in the expansive soils and to prevent swelling and contracting. Over-watering adjacent to improvements may result in damage to those improvements. NorCal Engineering makes no specific recommendations regarding landscape irrigation schedules.

- Planting schemes for landscaping around structures and pavement should be analyzed carefully. Plants (including sod) requiring high amounts of water may result in excessive wetting of soils. Trees and large shrubs may actually extract moisture from the expansive soils, thus causing contraction of the fine-grained soils.

- Thickened edges on exterior slabs will assist in keeping excessive moisture from entering directly beneath the concrete. A six-inch thick or greater deepened edge on slabs may be considered. Underlying interior and exterior slabs with 6 to 12 inches or more of non-expansive soils and providing presaturation of the underlying clayey soils as recommended in the soil report will improve the overall performance of on-grade slabs.

- Increase the amount of steel reinforcing in concrete slabs, foundations and other structures to resist the forces of expansive soils. The precise amount of reinforcing should be determined by the appropriate design engineers and/or architects.

- Recommendations of the soil report should always be followed in the development of the project. Any recommendations regarding presaturation of the upper subgrade soils in slab areas should be performed in the field and verified by the Soil Engineer.



Explanation

Af	Man-Made Fill
Qoa	Alluvial Deposits
⊕	Exploratory Boring/CPT

Modified Site Plan by Herdman Architecture and Design dated November 2023.

NORTH

40 20 0 40 80

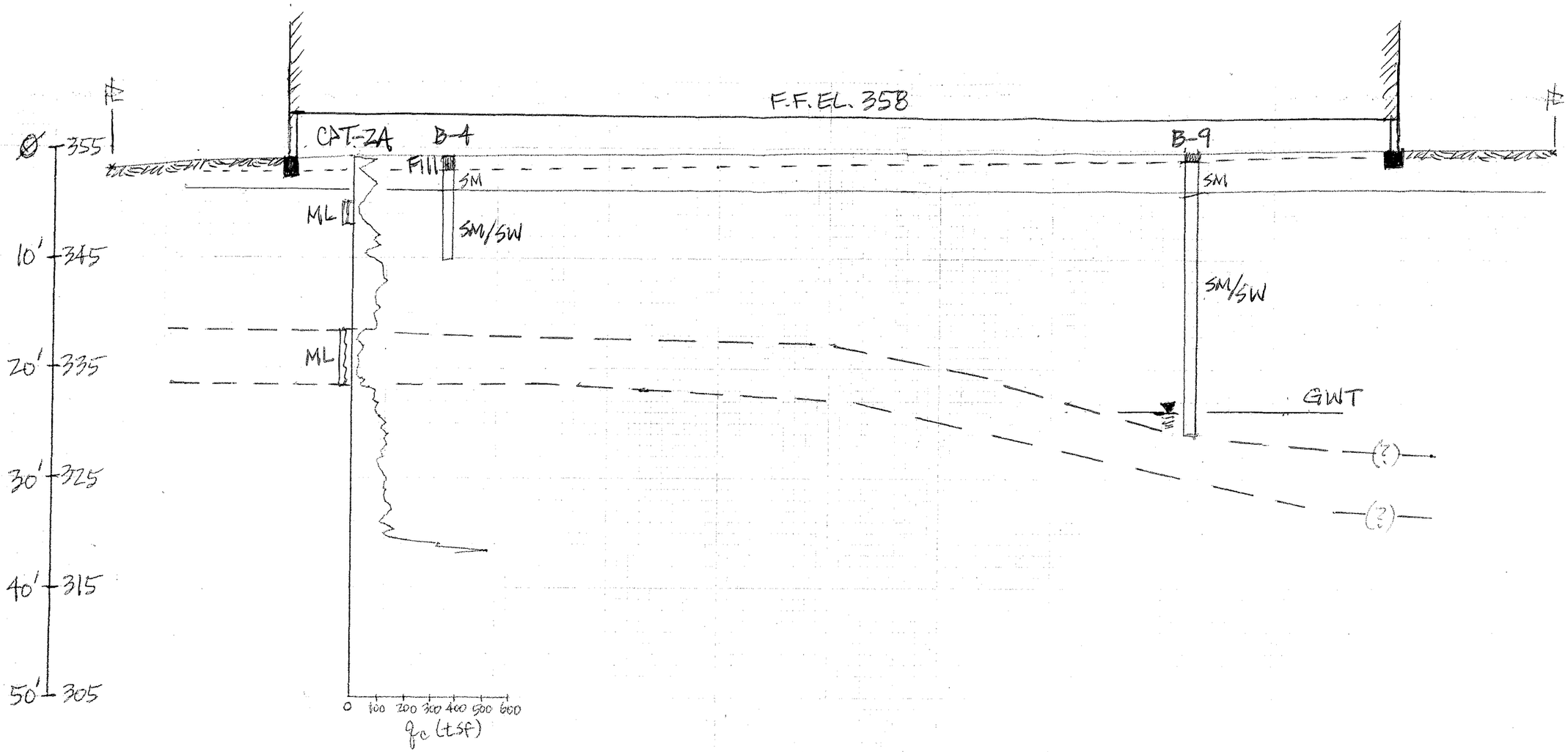
1 INCH = 100 FEET

NorCal Engineering

SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT 23559-22 DATE MARCH 2024

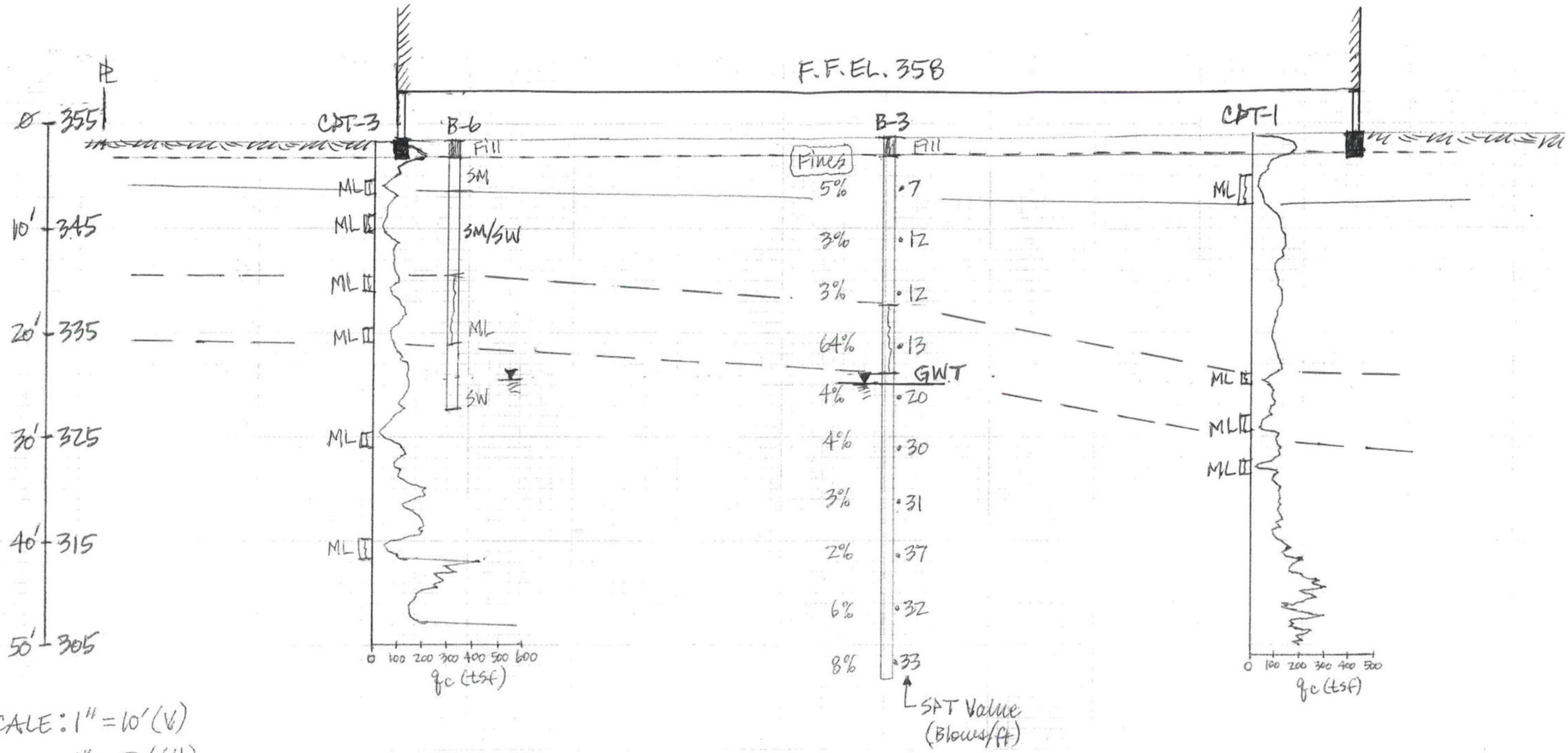
GEOLOGIC MAP



SCALE: 1" = 10' (V)
1" = 50' (H)

NorCal Engineering SOILS AND GEOTECHNICAL CONSULTANTS	
PROJECT: 23559-22	DATE: JANUARY 2024

SECTION A-A

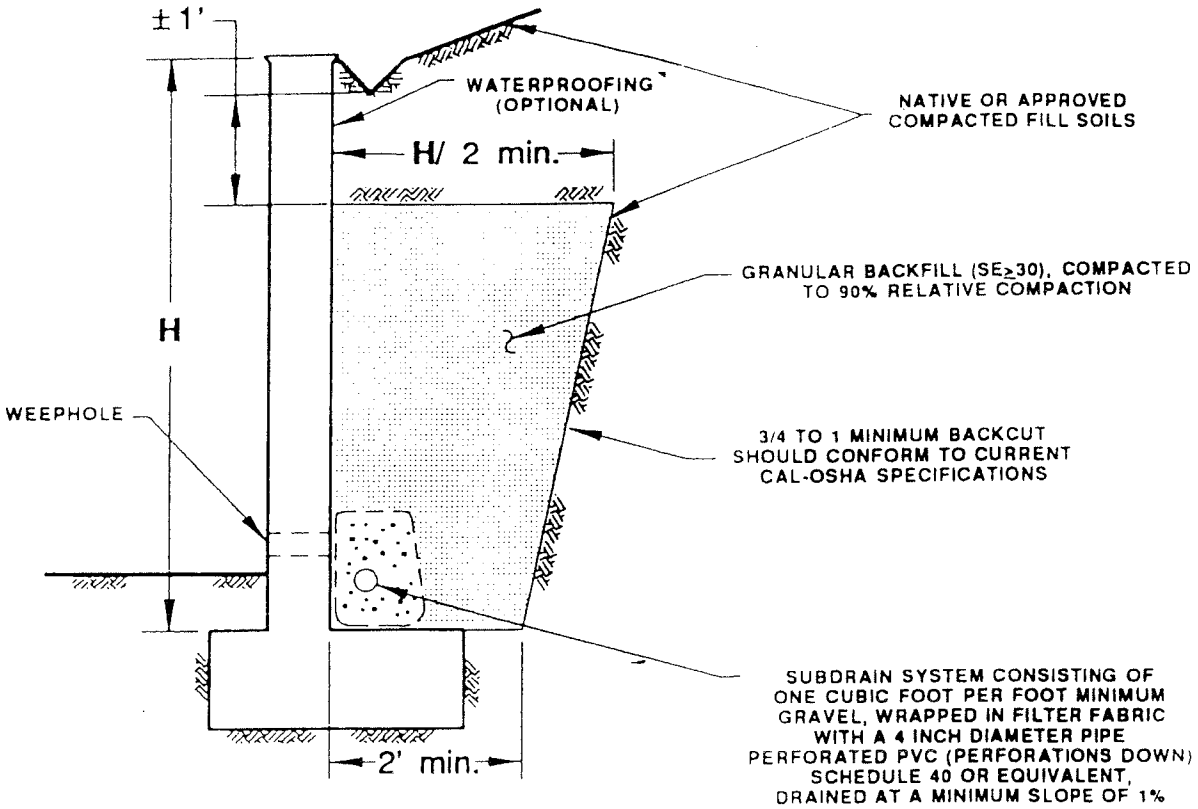


SCALE: 1" = 10' (V)
1" = 50' (H)

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT: 23559-22 | DATE: JANUARY 2024

SECTION B-B



INFORMATION DEPICTED ON THIS DETAIL IS FOR TYPICAL CONDITIONS AND ARE SUBJECT TO CHANGE BY THE GEOTECHNICAL CONSULTANT

NorCal Engineering SOILS AND GEOTECHNICAL CONSULTANTS	**RETAINING WALL DETAIL**
PROJECT 23559-22	**DATE** JANUARY 2024

List of Appendices
(in order of appearance)

Appendix A – Log of Excavations

Log of Borings B-1 to B-9
Log of CPT-1 to CPT-3

Appendix B – Laboratory Tests

Table I – Maximum Dry Density
Table II – Expansion
Table III – Atterberg Limits
Table IV – Corrosion
R Value
Plates A and B – Direct Shear
Plates C to E - Consolidation

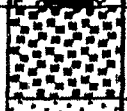
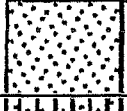
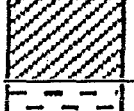
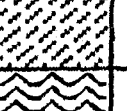
Appendix C – Liquefaction Analysis

ASCE/SEI 7-16 Seismic Design Report
Liquefaction Calculations

Appendix D – Soil Infiltration Data

Log of Test Holes TH-1 to TH-3
Field Data Sheets and Calculations

Appendix A
Log of Excavations

MAJOR DIVISION			GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL, SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SAND AND SANDY SOILS	CLEAN SAND (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE				SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	SANDS WITH FINE (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND-SILT MIXTURES
				SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

UNIFIED SOIL CLASSIFICATION SYSTEM

KEY:

Indicates 2.5-inch Inside Diameter. Ring Sample.

Indicates 2-inch OD Split Spoon Sample (SPT).

Indicates Shelby Tube Sample.

Indicates No Recovery.

Indicates SPT with 140# Hammer 30 in. Drop.

Indicates Bulk Sample.

Indicates Small Bag Sample.

Indicates Non-Standard

 Indicates Core Run.

COMPONENT PROPORTIONS

DESCRIPTIVE TERMS	RANGE OF PROPORTION
Trace	1 - 5%
Few	5 - 10%
Little	10 - 20%
Some	20 - 35%
And	35 - 50%

COMPONENT DEFINITIONS

COMPONENT	SIZE RANGE
Boulders	Larger than 12 in
Cobbles	3 in to 12 in
Gravel	3 in to No 4 (4.5mm)
Coarse gravel	3 in to 3/4 in
Fine gravel	3/4 in to No 4 (4.5mm)
Sand	No. 4 (4.5mm) to No. 200 (0.074mm)
Coarse sand	No. 4 (4.5 mm) to No. 10 (2.0 mm)
Medium sand	No. 10 (2.0 mm) to No. 40 (0.42 mm)
Fine sand	No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt and Clay	Smaller than No. 200 (0.074 mm)

MOISTURE CONTENT

DRY	Absence of moisture, dusty, dry to the touch.
DAMP	Some perceptible moisture; below optimum
MOIST	No visible water; near optimum moisture content
WET	Visible free water, usually soil is below water table.

RELATIVE DENSITY OR CONSISTENCY VERSUS SPT N -VALUE

COHESIONLESS SOILS		COHESIVE SOILS		
Density	N (blows/ft)	Consistency	N (blows/ft)	Approximate Undrained Shear Strength (psf)
Very Loose	0 to 4	Very Soft	0 to 2	< 250
Loose	4 to 10	Soft	2 to 4	250 - 500
Medium Dense	10 to 30	Medium Stiff	4 to 8	500 - 1000
Dense	30 to 50	Stiff	8 to 15	1000 - 2000
Very Dense	over 50	Very Stiff	15 to 30	2000 - 4000
		Hard	over 30	> 4000

North Palisade Partners
23559-22

Log of Boring B-1

Boring Location: 10990 N. Woodside Drive, Santee

Date of Drilling: 10/13/2022 | Groundwater Depth: None Encountered

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		Asphalt pavement 3.5 inch thickness					
		FILL (Af)					
		Silty (fine to coarse grained) SAND					
		Brown, medium dense, moist					
		Alluvium (Qoa)					
5		SAND (medium to coarse graind)					
		Light brown, medium dense, damp; slightly silty					
		Boring completed at depth of 5'					
10							
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/19/2024

NorCal Engineering

North Palisade Partners
23559-22

Log of Boring B-2

Boring Location: 10990 N. Woodside Drive, Santee

Date of Drilling: 10/13/2022 | Groundwater Depth: None Encountered

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		Asphalt pavement 5 inch thickness					
		FILL (Af)					
		Silty (fine to coarse grained) SAND					
		Brown, medium dense, moist					
		Alluvium (Qoa)					
5		Silty (medium to coarse graind) SAND					
		Brown, medium dense, moist; with occasional gravel					
		SAND (medium to coarse graind)					
		Light brown, medium dense, moist; slightly silty					
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CiviliTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/19/2024

NorCal Engineering

North Palisade Partners
23559-22

Log of Boring B-3

Boring Location: 10990 N. Woodside Drive, Santee

Date of Drilling: 10/13/2022 | Groundwater Depth: 24' Bgs

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		Asphalt pavement 5 inch thickness					
		FILL (Af)					
		Silty (fine to coarse grained) SAND					
		Brown, medium dense, moist; with occasional small gravel					
		Alluvium (Qoa)					
		SAND (medium to coarse graind)					
5		Light brown, medium dense, damp; slightly silty	X	3/3/4	3.8		5
		Intermingled lenses of Sandy to Clayey Silt					
10			X	3/5/7	2.2		3
15			X	5/5/7	2.6		3
		Clayey SILT					
		Brown, firm to medium stiff, very moist to saturated					
20			X	5/5/8	20.9		64
		Groundwater at 24' Bgs					
		Silty (fine to coarse graind) SAND					
25		Brown, medium dense to dense, wet; slightly silty with some gravel	X	5/7/13	20.6		4
30			X	8/10/20	24.2		4
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/15/2024

NorCal Engineering

North Palisade Partners
23559-22

Log of Boring B-3

Boring Location: 10990 N. Woodside Drive, Santee

Date of Drilling: 10/13/2022 | Groundwater Depth: 24' Bgs

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
35		Alluvium (Qoa) Silty (fine to coarse graind) SAND Brown, medium dense to dense, wet; slightly silty with some gravel		10/14/17	19.4		3
40				11/17/20	18.8		2
45				14/14/18	21.9		6
50				14/16/17	25.0		8
		Boring completed at depth of 51.5					
55							
60							
65							
70							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/19/2024

NorCal Engineering

North Palisade Partners
23559-22

Log of Boring B-4

Boring Location: 10990 N. Woodside Drive, Santee

Date of Drilling: 10/13/2022 | Groundwater Depth: None Encountered

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		Asphalt pavement 3.5 inch thickness					
		FILL (Af)					
		Silty (fine to coarse grained) SAND					
		Brown, medium dense, moist; with occasional small gravel					
		Alluvium (Qoa)	■	4/4	2.7	105.0	
5		Silty (fine to coarse graind) SAND					
		Brown, medium dense, moist; with occasional gravel					
		SAND (medium to coarse graind)	■	4/6	2.9	106.9	
		Light brown, medium dense, moist; slightly silty					
			■	8/8	2.4	109.7	
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/19/2024

NorCal Engineering

North Palisade Partners
23559-22

Log of Boring B-5

Boring Location: 10990 N. Woodside Drive, Santee

Date of Drilling: 10/13/2022 | Groundwater Depth: None Encountered

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		Asphalt pavement 3.5 inch thickness					
		FILL (Af)					
		Silty (fine to coarse grained) SAND					
		Brown, medium dense, moist					
		Alluvium (Qoa)	■	3/5	5.0	101.2	
5		SAND (medium to coarse graind)					
		Light brown, medium dense, moist; slightly silty	■	4/5	3.9	104.3	
			■	7/9	2.7	107.1	
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/19/2024

NorCal Engineering

North Palisade Partners
23559-22

Log of Boring B-6

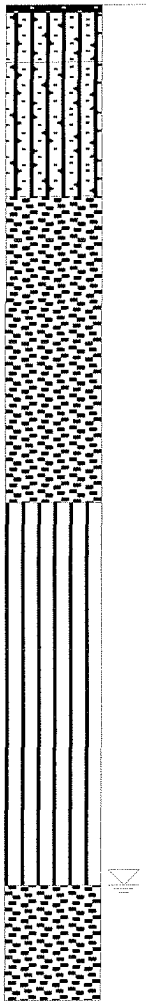
Boring Location: 10990 N. Woodside Drive, Santee

Date of Drilling: 10/13/2022 | Groundwater Depth: 23' Bgs

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:



Depth (feet)	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0	Asphalt pavement 1.5 inch thickness FILL (Af) Silty (fine to coarse grained) SAND Brown, medium dense, moist		2/3	12.8	98.0	
5	Alluvium (Qoa) Silty (fine to coarse graind) SAND Brown, medium dense, moist		3/3	8.2	104.3	
10	SAND (medium to coarse graind) Light brown, medium dense, moist; slightly silty with occasional gravel		7/11	2.4	108.7	
15	Sandy SILT Grey brown, firm, moist		5/5	16.3	96.7	
20	Groundwater at 23' Bgs		4/7	25.2	94.0	
25	Silty (fine to coarse graind) SAND Brown, medium dense, wet; slightly silty		4/8	21.9	106.0	
	Boring completed at depth of 26'					
30						
35						

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/19/2024

NorCal Engineering

North Palisade Partners
23559-22

Log of Boring B-7

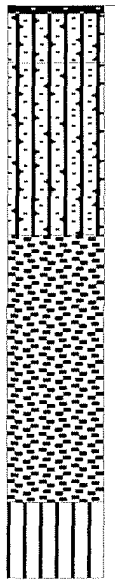
Boring Location: 10990 N. Woodside Drive, Santee

Date of Drilling: 10/13/2022 | **Groundwater Depth:** None Encountered

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | **Drop:** 30"

Surface Elevation:



Depth (feet)	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0	Asphalt pavement 2 inch thickness FILL (Af) Silty (fine to coarse grained) SAND Brown, medium dense, moist; with occasional small gravel					
	Alluvium (Qoa) Silty (fine to coarse graind) SAND Brown, medium dense, moist	■	3/5	6.0	101.2	
5	SAND (medium to coarse graind) Light brown, medium dense, moist; slightly silty with occasional gravel	■	8/12	5.2	107.7	
10		■	7/11	3.1	110.2	
	Sandy SILT Grey brown, medium dense, moist					
15	Boring completed at depth of 15'					
20						
25						
30						
35						

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/19/2024

NorCal Engineering

North Palisade Partners
23559-22

Log of Boring B-8

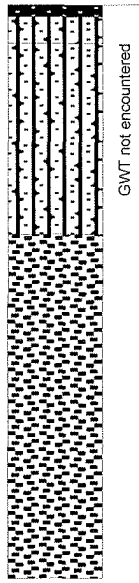
Boring Location: 10990 N. Woodside Drive, Santee

Date of Drilling: 10/13/2022 | Groundwater Depth: None Encountered

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:



Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		Asphalt pavement 3 inch thickness					
		FILL (Af)					
		Silty (fine to coarse grained) SAND					
		Brown, medium dense, moist					
		Alluvium (Qoa)	■	4/5	9.4	99.1	
5		Silty (fine to coarse graind) SAND					
		Brown, medium dense, moist					
		SAND (medium to coarse graind)	■	6/7	5.8	104.7	
		Light brown, medium dense, moist; slightly silty with occasional gravel					
10			■	10/11	2.9	109.4	
			■	8/19	2.7	111.2	
15		Boring completed at depth of 15'					
20							
25							
30							
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/19/2024

NorCal Engineering

North Palisade Partners
23559-22

Log of Boring B-9

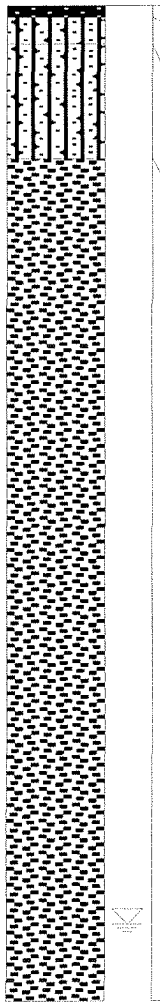
Boring Location: 10990 N. Woodside Drive, Santee

Date of Drilling: 10/13/2022 | Groundwater Depth: 24' Bgs

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:



Depth (feet)	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0	Asphalt pavement 3 inch thickness					
	FILL (Af)					
	Silty (fine to coarse grained) SAND					
	Brown, medium dense, moist	■	4/4	4.8	98.7	
	Alluvium (Qoa)					
5	Silty (fine to coarse graind) SAND					
	Brown, medium dense, moist	■	5/6	3.6	100.1	
	SAND (medium to coarse graind)					
	Light brown, medium dense, moist; slightly silty with occasional gravel					
10		■	5/7	3.8	105.5	
15		■	4/9	2.3	103.1	
20		■	7/12	6.0	99.5	
	Groundwater at 24' Bgs					
25		■	8/14	19.6	105.9	
	Boring completed at depth of 26'					
30						
35						

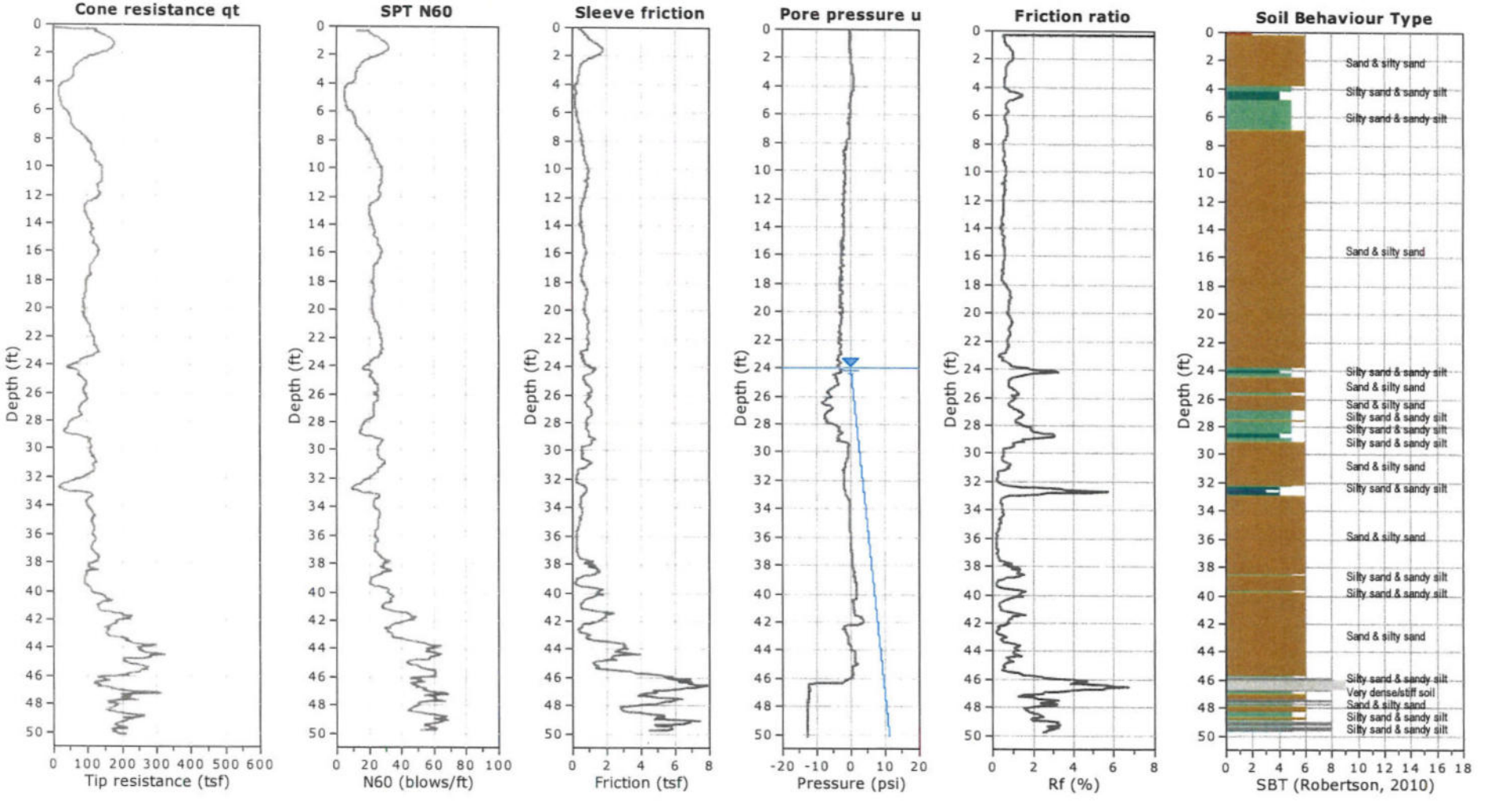
SuperLog CivilTech Software, USA www.civiltech.com File: C:\SuperlogA\23559-22.log Date: 3/19/2024

NorCal Engineering

Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: NorCal Engineering / North Palisade Partners
Location: 10990 N. Woodside Ave, Santee, CA

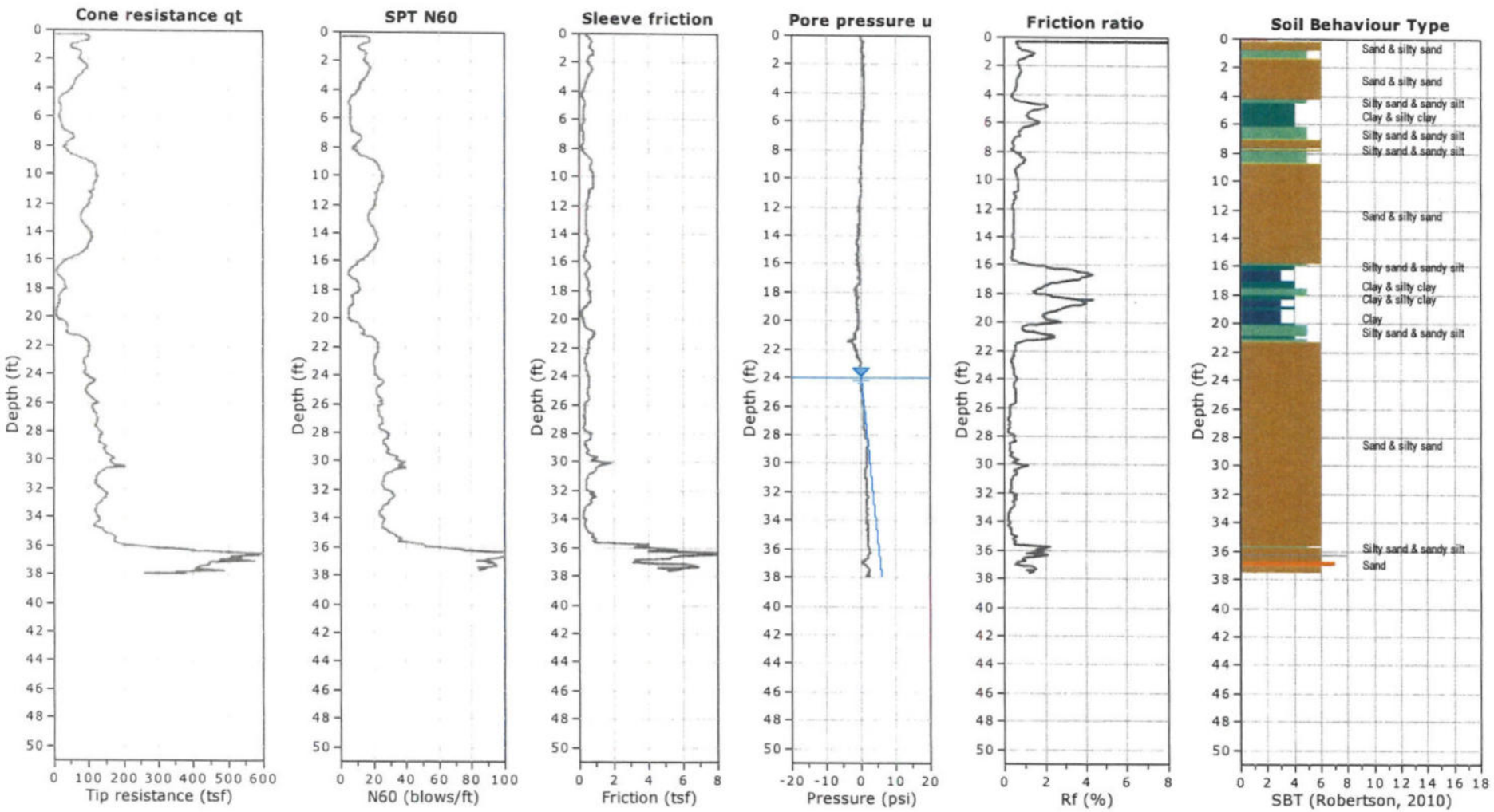
CPT-1
Total depth: 50.16 ft, Date: 8/18/2023



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: NorCal Engineering / North Palisade Partners
Location: 10990 N. Woodside Ave, Santee, CA

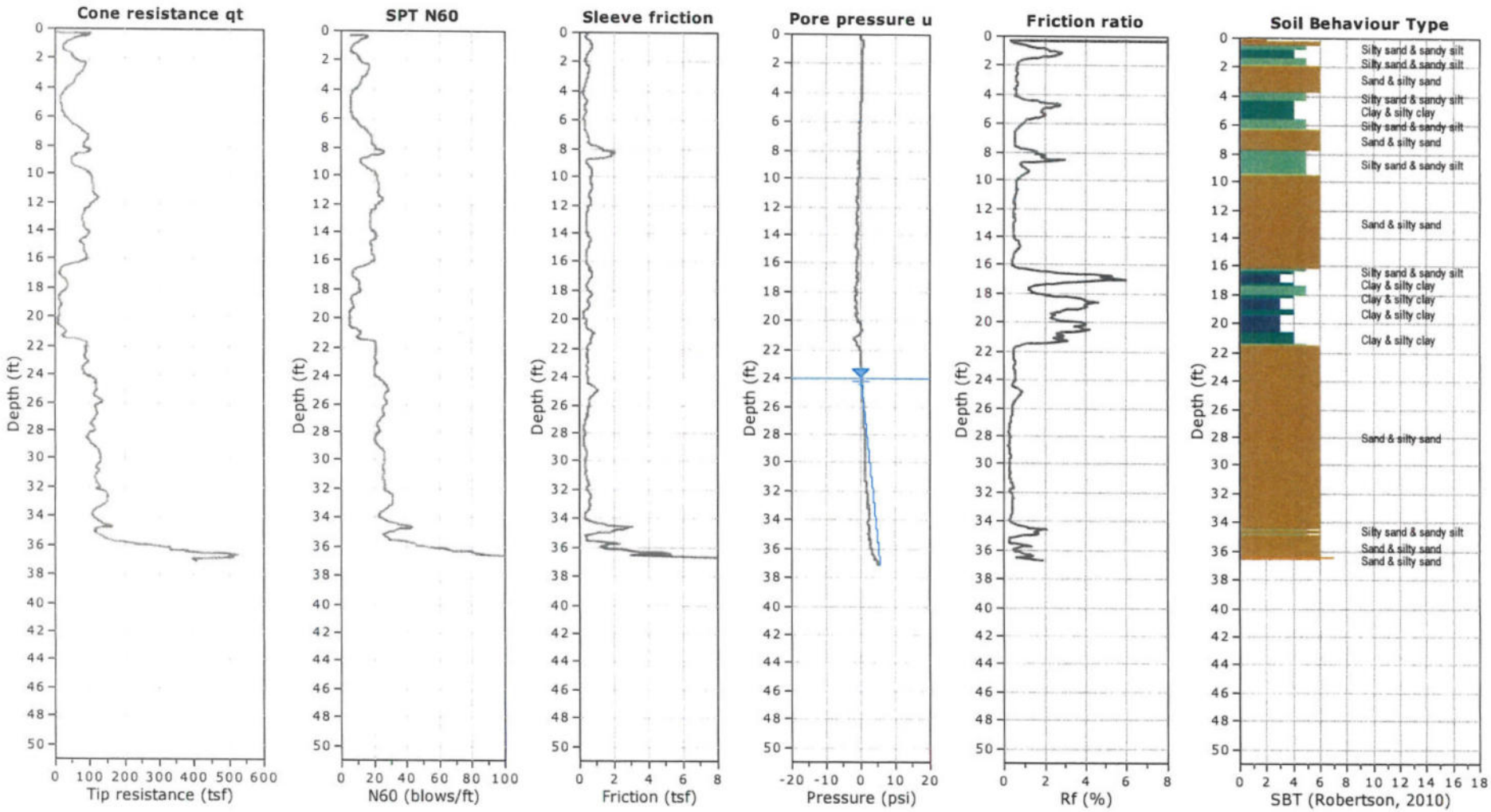
CPT-2
Total depth: 37.93 ft, Date: 8/18/2023



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: NorCal Engineering / North Palisade Partners
Location: 10990 N. Woodside Ave, Santee, CA

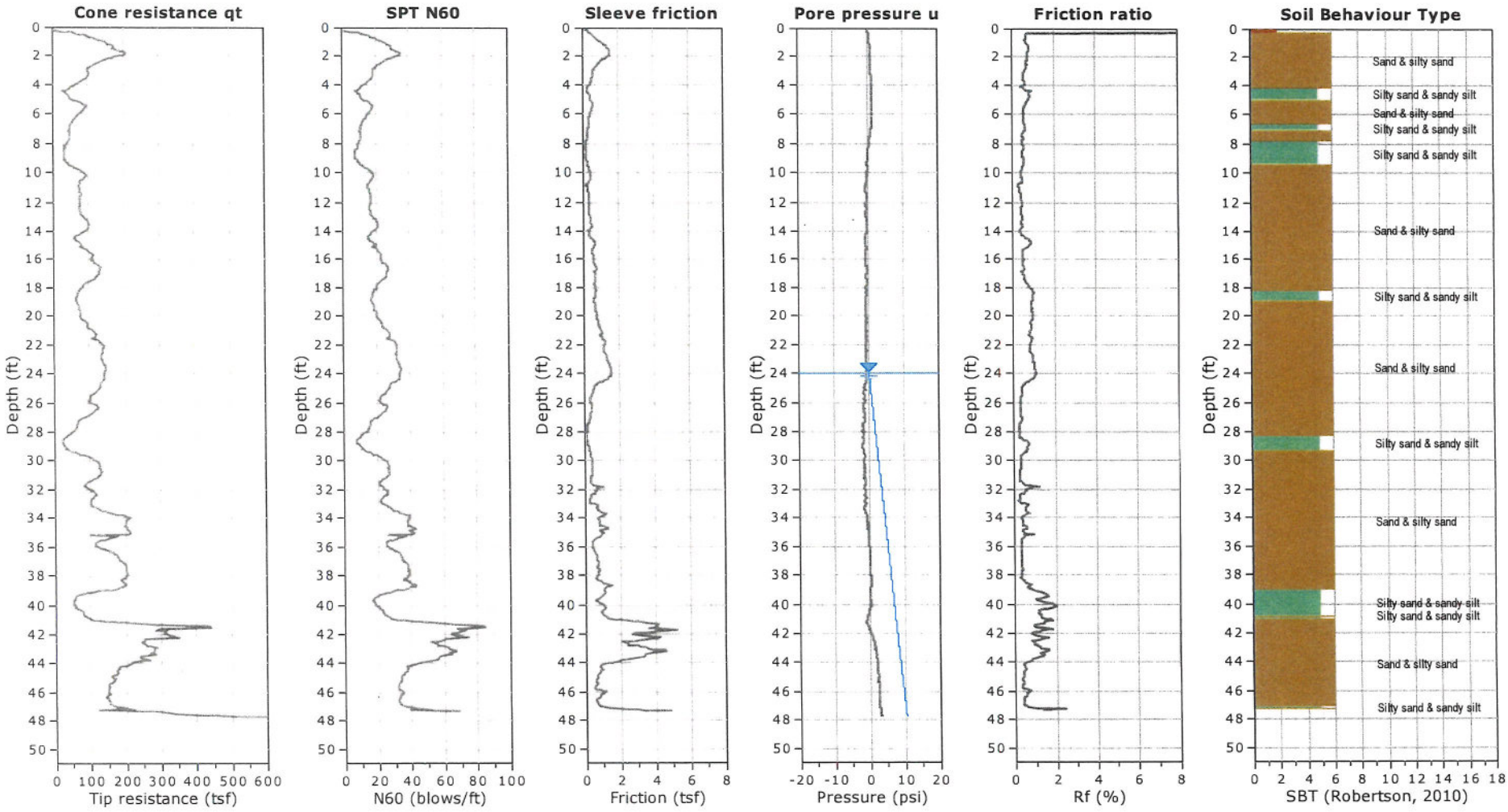
CPT-2A
Total depth: 37.09 ft, Date: 8/18/2023



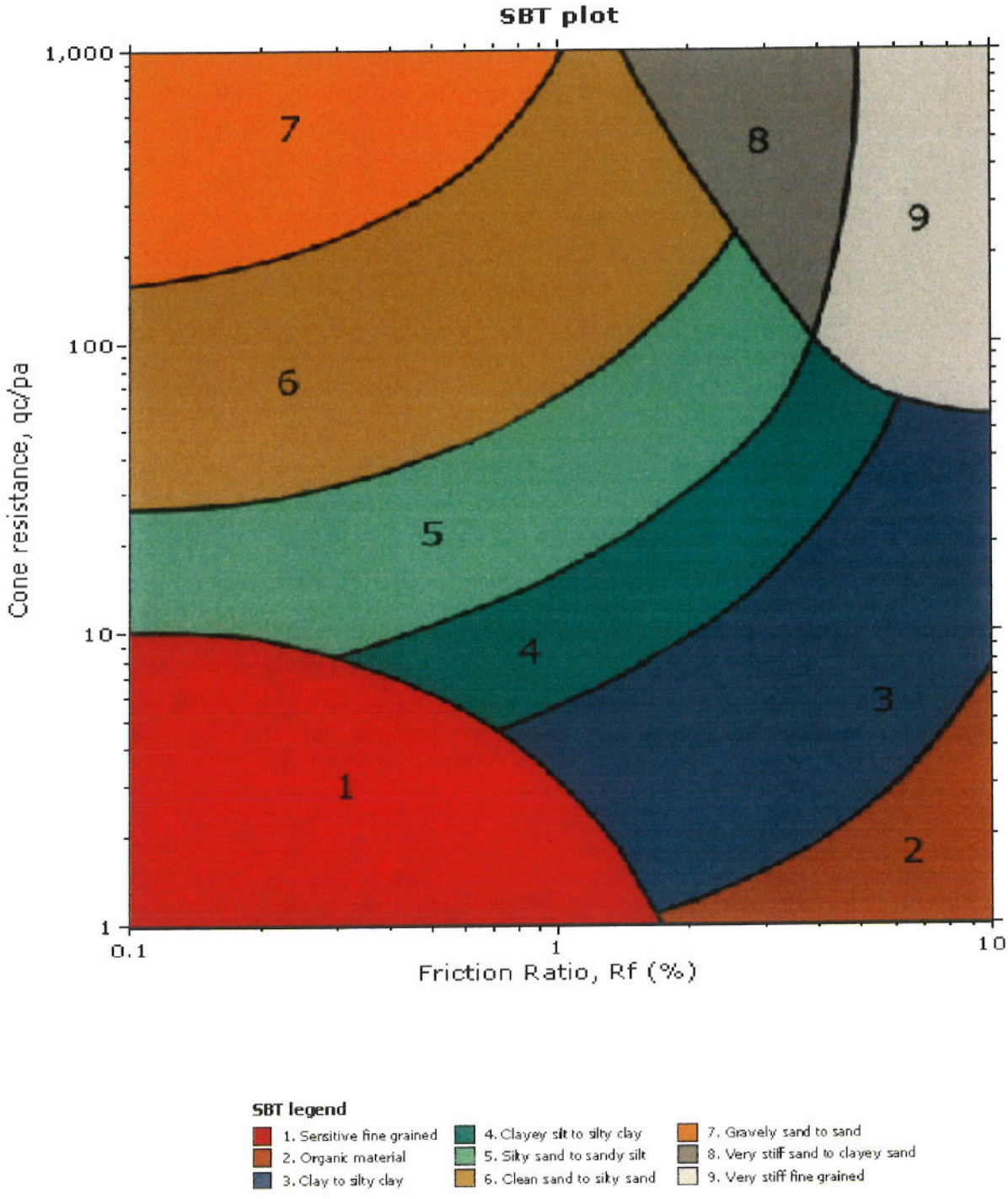
Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: NorCal Engineering / North Palisade Partners
Location: 10990 N. Woodside Ave, Santee, CA

CPT-3
Total depth: 47.71 ft, Date: 8/18/2023



Kehoe Testing and Engineering
714-901-7270
rich@kehoetesting.com
www.kehoetesting.com



Appendix B
Laboratory Tests

TABLE I
MAXIMUM DENSITY TESTS

Sample	Classification	Optimum Moisture (%)	Maximum Dry Density (lbs/cu.ft)
B-3 @ 2'	Silty SAND	10.0	122.0

TABLE II
EXPANSION TESTS

Sample	Classification	Expansion Index
B-3 @ 2'	Silty SAND	0

TABLE III
ATTERBERG LIMITS

Sample	Liquid Limit	Plastic Limit	Plasticity Index
B-3 @ 20	29	23	6

TABLE IV
CORROSION TESTS

Sample	pH	Electrical Resistivity	Sulfate (%)	Chloride (ppm)
B-3 @ 2'	6.8	5,740	0.001	146

% by weight
ppm – mg/kg

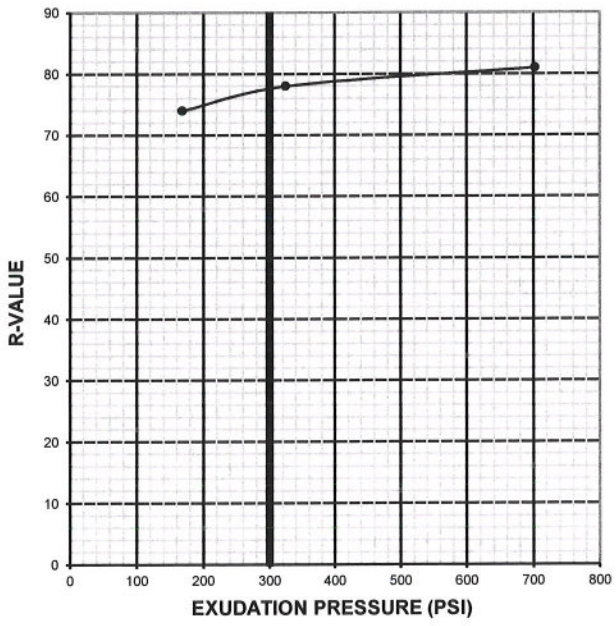
R-VALUE TEST REPORT

☑ CT-301 ☐ ASTM-D2844

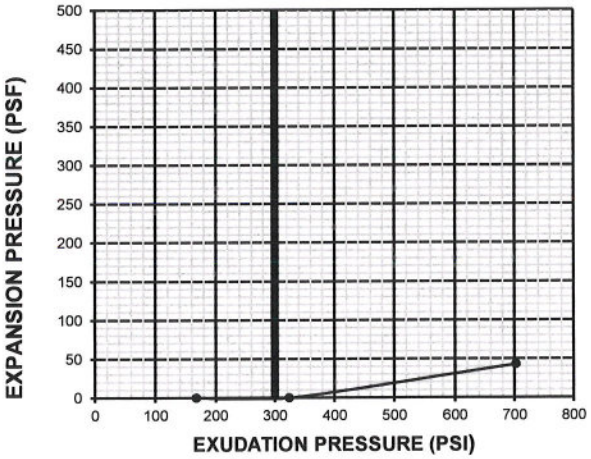
PROJECT NAME:	Norcal: North Palisade Partners LLC	PROJECT NUMBER:	L-221101
SAMPLE LOCATION:	10990 N. woodside Drive	SAMPLE NUMBER:	B1 (23559-22)
SAMPLE DESCRIPTION:	SILTY SAND (SM), dark brown	SAMPLE DEPTH:	2'
SAMPLED BY:	Norcal 10/13/22	TESTED BY:	JPG
		DATE TESTED:	11/7/2022

TEST SPECIMEN	A	B	C
MOISTURE AT COMPACTION %	9.8	12.6	14.0
WEIGHT OF SAMPLE, grams	1082	1053	1068
HEIGHT OF SAMPLE, Inches	2.60	2.60	2.57
DRY DENSITY, pcf	114.8	109.0	110.5
COMPACTOR AIR PRESSURE, psi	250	200	150
EXUDATION PRESSURE, psi	703	324	168
EXPANSION, Inches x 10exp-4	10	0	0
STABILITY Ph 2,000 lbs (160 psi)	18	20	23
TURNS DISPLACEMENT	4.92	5.17	5.30
R-VALUE UNCORRECTED	80	77	74
R-VALUE CORRECTED	81	78	74
EXPANSION PRESSURE (psf)	43.2	0.0	0.0

R-VALUE VS. EXUDATION PRESSURE



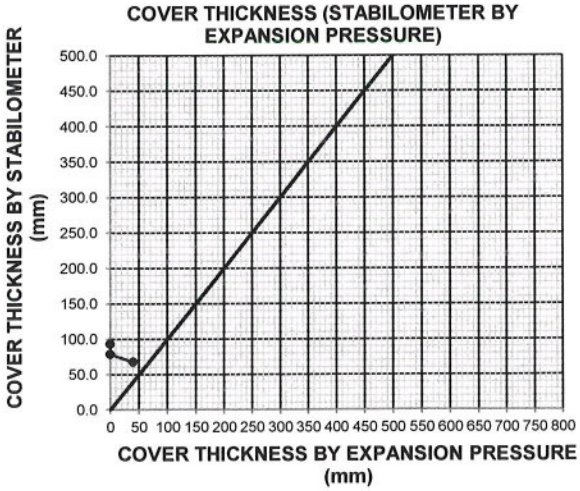
EXPANSION PRESSURE VS. EXUDATION PRESSURE



R-VALUE AT EQUILIBRIUM:	78

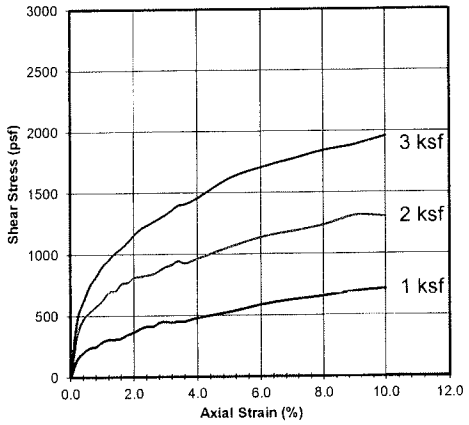
R-VALUE BY EXUDATION PRESSURE:	78
R-VALUE BY EXPANSION PRESSURE:	N.A.
EXPANSION PRESSURE AT 300 PSI EXUDATION:	0
TRAFFIC INDEX (Assumed):	5.5
GRAVEL FACTOR (Assumed):	1.5
UNIT MASS OF COVER MATERIAL, kg/m^3 (Assumed):	2100.0

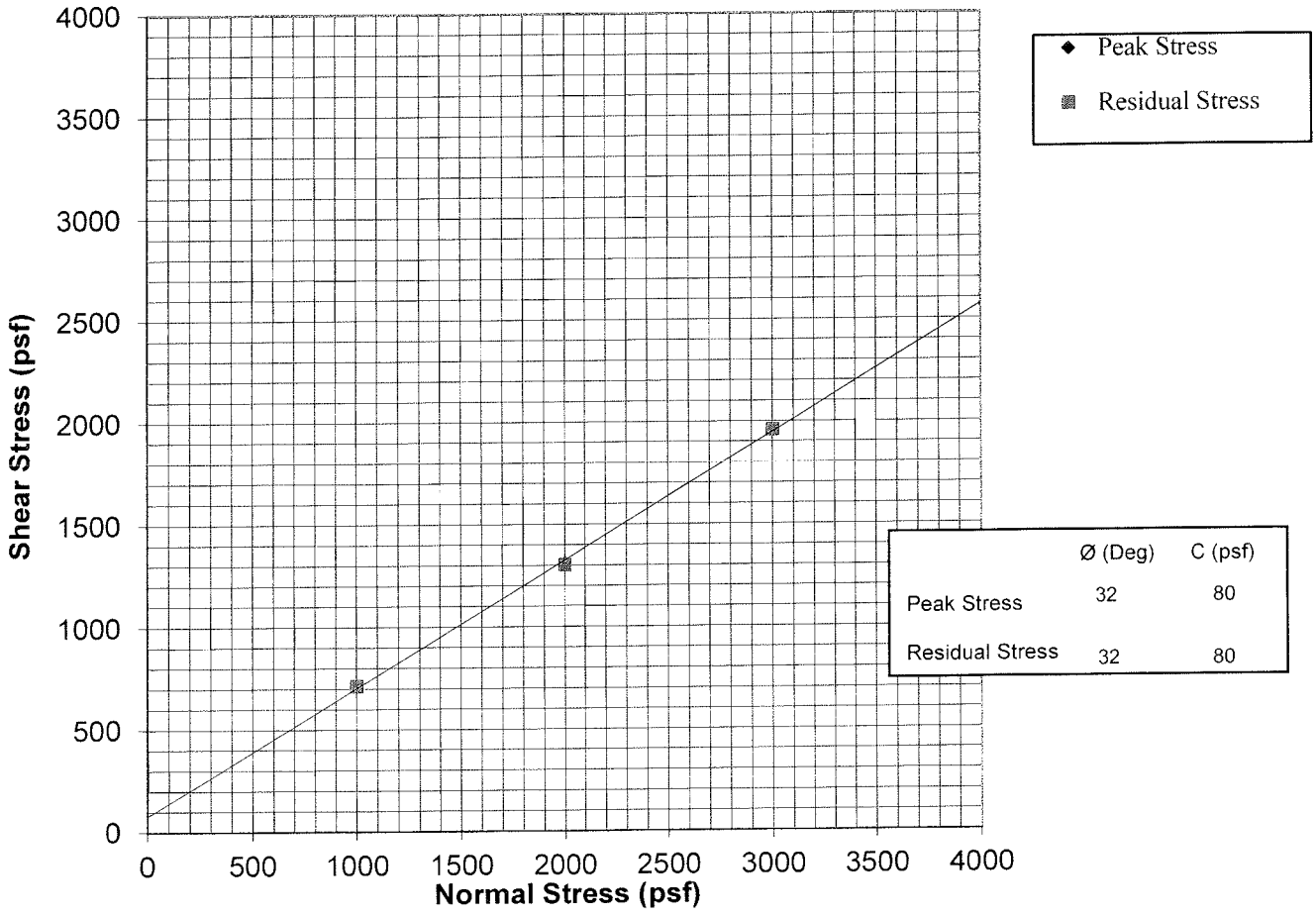
COVER THICKNESS (STABILOMETER BY EXPANSION PRESSURE)



Sample No.	B6@2'
Sample Type:	Undisturbed-Saturated
Soil Description:	Silty Fine-Coarse Grained Sand

		1	2	3
Normal Stress	(psf)	1000	2000	3000
Peak Stress	(psf)	714	1312	1958
Displacement	(in.)	0.250	0.225	0.250
Residual Stress	(psf)	714	1302	1958
Displacement	(in.)	0.250	0.250	0.250
Initial Dry Density	(pcf)	98.0	98.0	98.0
Initial Water Content	(%)	12.8	12.8	12.8
Strain Rate	(in./min.)	0.020	0.020	0.020





	Ø (Deg)	C (psf)
Peak Stress	32	80
Residual Stress	32	80

NorCal Engineering

SOILS AND GEOTECHNICAL CONSULTANTS

North Palisade Partners

PROJECT NUMBER: 23559-22 DATE: 10/31/2022

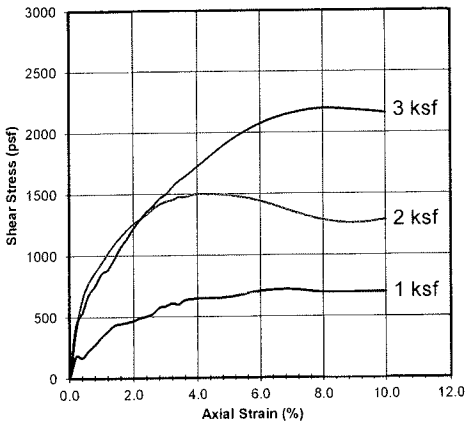
DIRECT SHEAR TEST

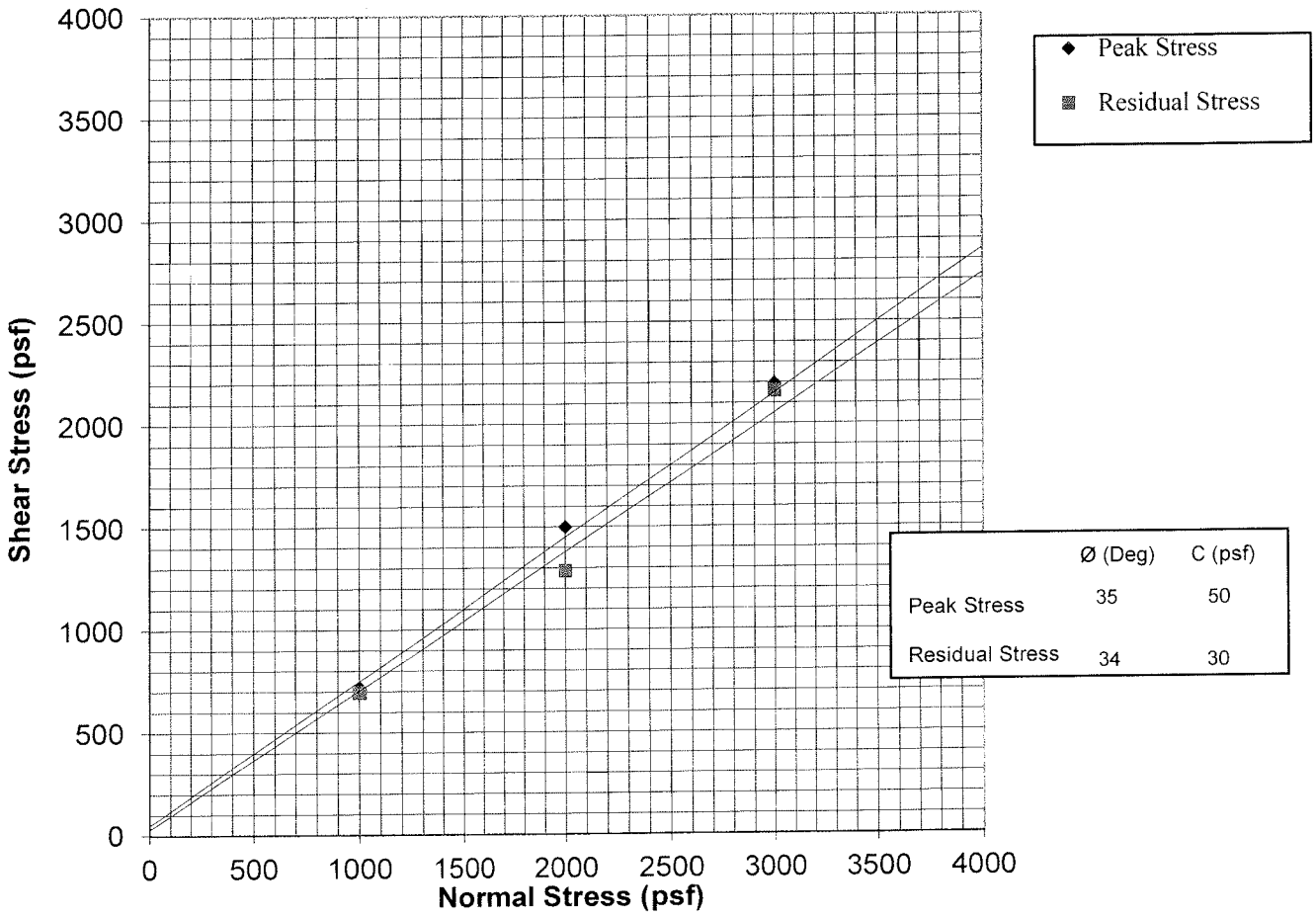
ASTM D3080

Plate A

Sample No.	B9@5'
Sample Type:	Undisturbed-Saturated
Soil Description:	Medium-Coarse Grained Sand

		1	2	3
Normal Stress	(psf)	1000	2000	3000
Peak Stress	(psf)	720	1500	2196
Displacement	(in.)	0.175	0.100	0.200
Residual Stress	(psf)	696	1284	2160
Displacement	(in.)	0.250	0.250	0.250
Initial Dry Density	(pcf)	100.1	100.1	100.1
Initial Water Content	(%)	3.6	3.6	3.6
Strain Rate	(in./min.)	0.020	0.020	0.020





	Ø (Deg)	C (psf)
Peak Stress	35	50
Residual Stress	34	30

NorCal Engineering

SOILS AND GEOTECHNICAL CONSULTANTS

North Palisade Partners

PROJECT NUMBER: 23559-22 DATE: 10/31/2022

DIRECT SHEAR TEST

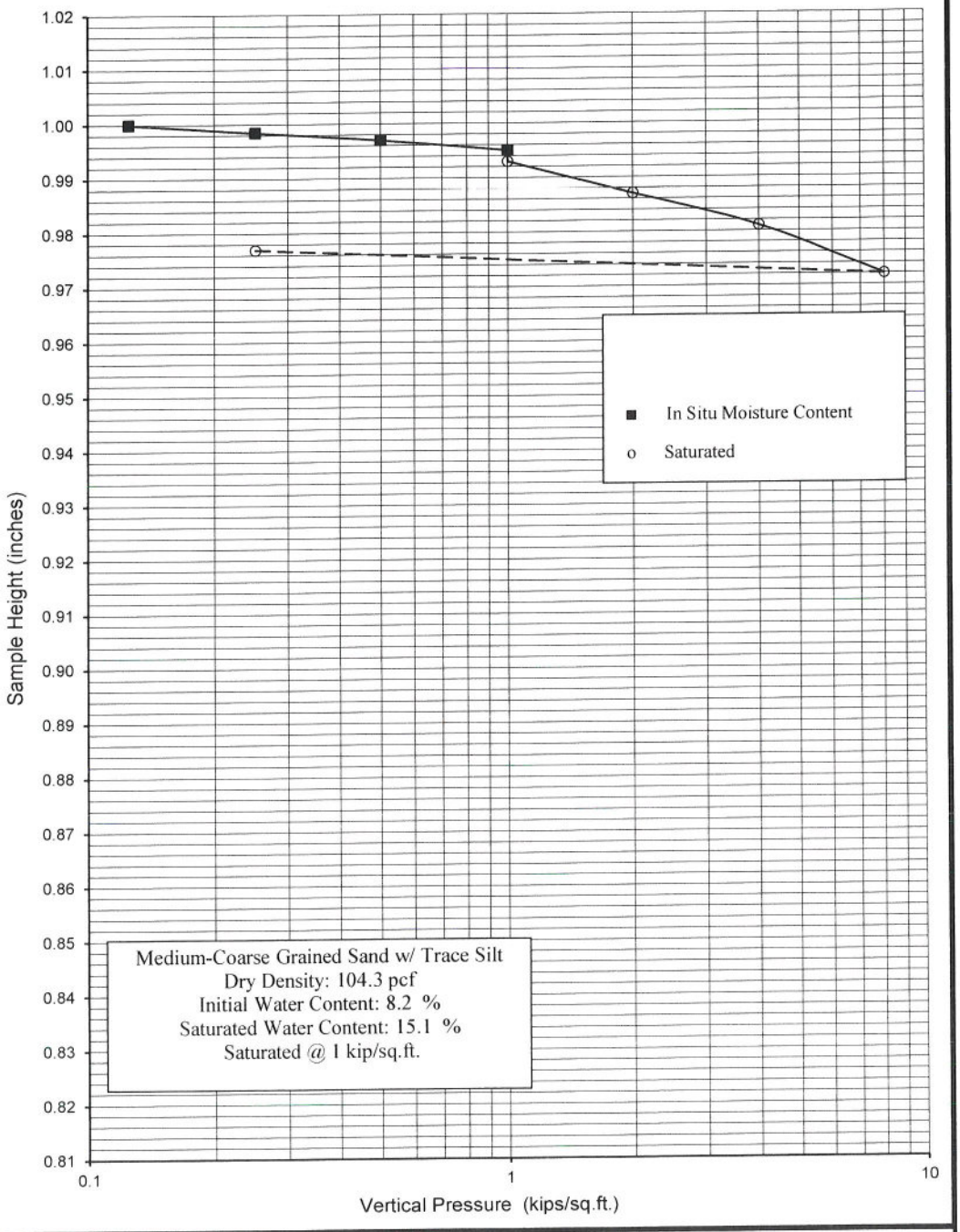
ASTM D3080

Plate B

Vertical Pressure (kips/sq.ft.)	Sample Height (inches)	Consolidation (percent)	Sample No. B6	Depth 5'	Date 10/31/2022
0.125	1.0000	0.0			
0.25	0.9985	0.2			
0.5	0.9970	0.3			
1	0.9950	0.5			
1	0.9930	0.7			
2	0.9870	1.3			
4	0.9810	1.9			
8	0.9720	2.8			
0.25	0.9770	2.3			

Saturated

Date Tested: 10/27/2022
Sample: B6
Depth: 5'



NorCal Engineering

SOILS AND GEOTECHNICAL CONSULTANTS

North Palisade Partners

PROJECT NUMBER: 23559-22 DATE: 10/31/2022

CONSOLIDATION TEST

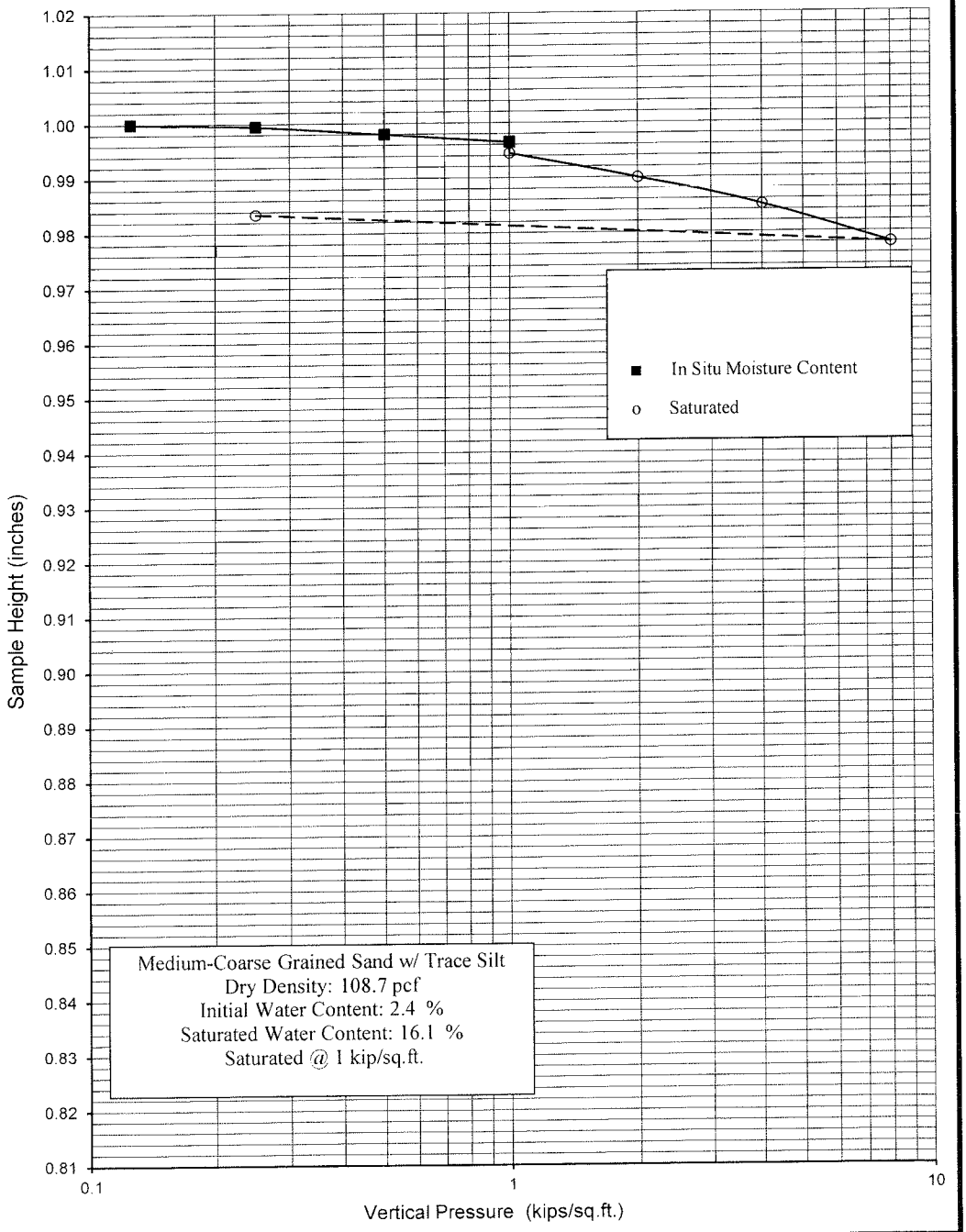
ASTM D2435

Plate C

Vertical Pressure (kips/sq.ft.)	Sample Height (inches)	Consolidation (percent)	Sample No. B6	Depth 10'	Date 10/31/2022
0.125	1.0000	0.0			
0.25	0.9995	0.0			
0.5	0.9980	0.2			
1	0.9965	0.4			
1	0.9945	0.6			
2	0.9900	1.0			
4	0.9850	1.5			
8	0.9780	2.2			
0.25	0.9835	1.7			

Saturated

Date Tested: 10/27/2022
Sample: B6
Depth: 10'



NorCal Engineering

SOILS AND GEOTECHNICAL CONSULTANTS

North Palisade Partners

PROJECT NUMBER: 23559-22 DATE: 10/31/2022

CONSOLIDATION TEST

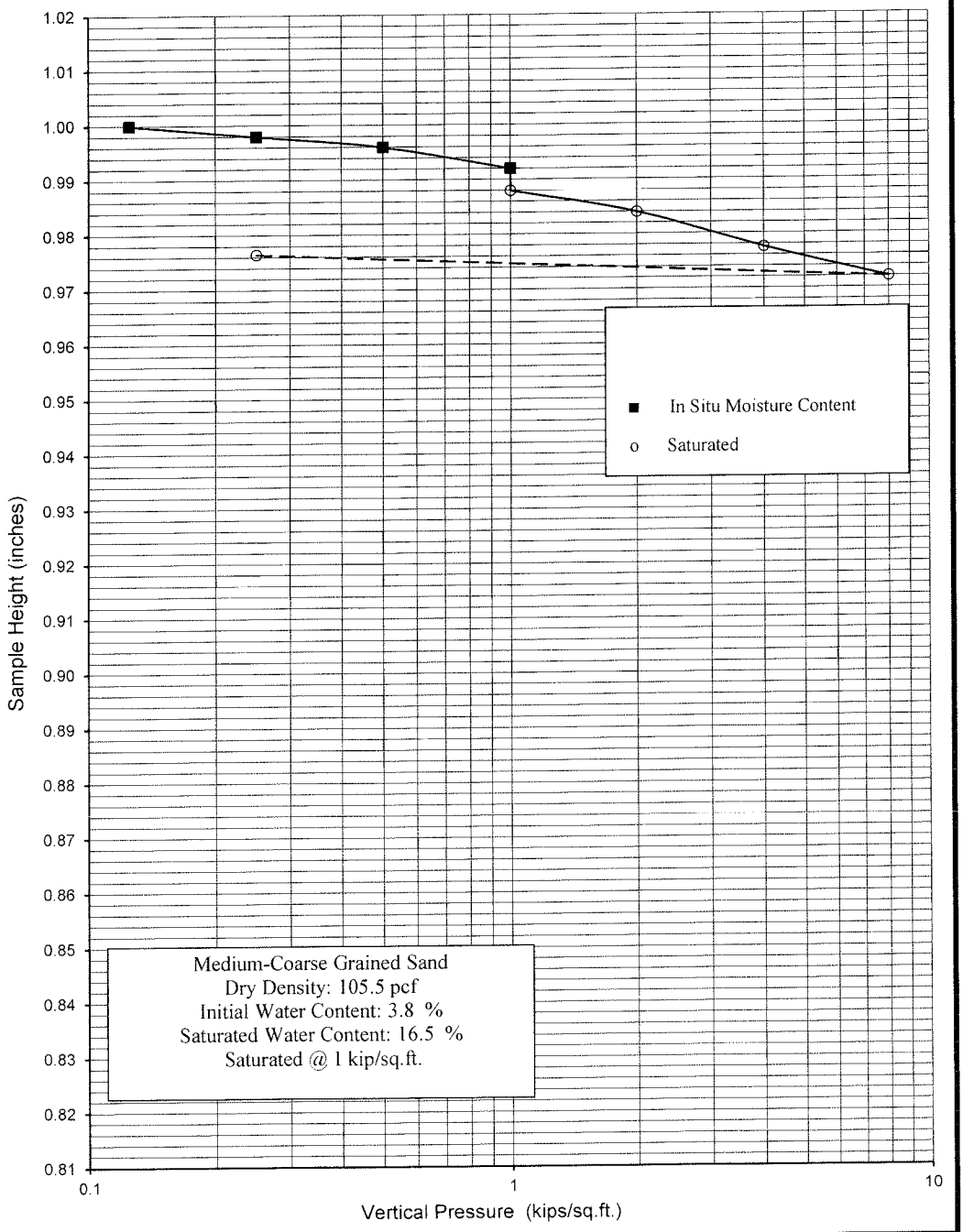
ASTM D2435

Plate D

Vertical Pressure (kips/sq.ft.)	Sample Height (inches)	Consolidation (percent)	Sample No.	B9	Depth	10'	Date	10/31/2022
0.125	1.0000	0.0						
0.25	0.9980	0.2						
0.5	0.9960	0.4						
1	0.9920	0.8						
1	0.9880	1.2						
2	0.9840	1.6						
4	0.9775	2.3						
8	0.9720	2.8						
0.25	0.9765	2.4						

Saturated

Date Tested: 10/28/2022
Sample: B9
Depth: 10'



NorCal Engineering

SOILS AND GEOTECHNICAL CONSULTANTS

North Palisade Partners

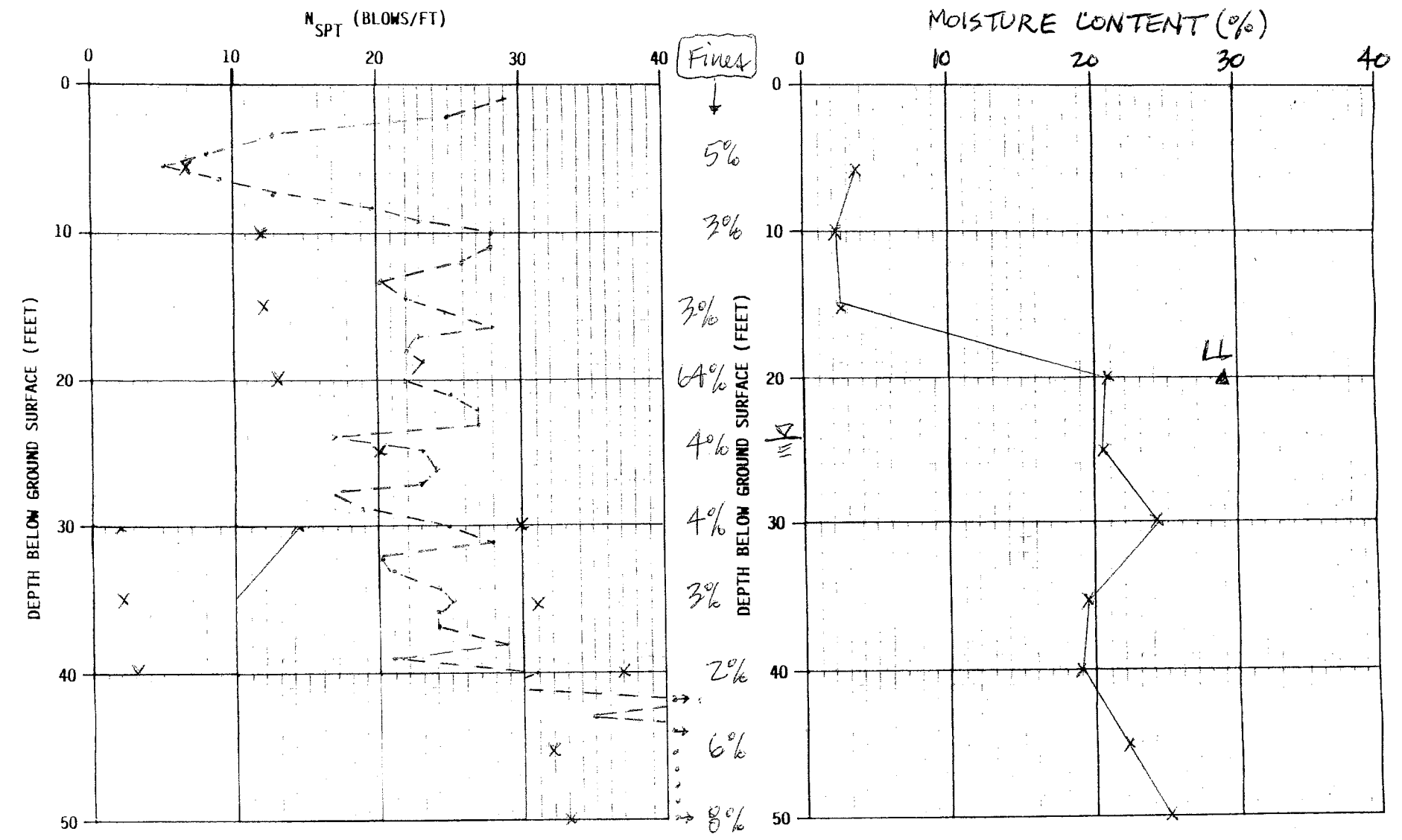
PROJECT NUMBER: 23559-22 DATE: 10/31/2022

CONSOLIDATION TEST

ASTM D2435

Plate E

Appendix C
Liquefaction Analysis



× B-3

∘ CPT-1

NorCal Engineering

SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT

DATE

STANDARD PENETRATION TEST (SPT)
RESULTS AND MOISTURE CONTENT VERSUS DEPTH

B-3

SITE LOCATION: _____

GEOTECHNICAL REPORT: _____

GEOLOGY REPORT: _____

DEPTH TO WATER TABLE = 20'

EARTHQUAKE MAGNITUDE = 6.9

PEAK GROUND ACCELERATION = 0.42g

DEPTH BELOW FINAL GRADE (FEET)	MOIST DENSITY (PCF)	σ_o TOTAL STRESS (PSF)	$\bar{\sigma}_o$ EFFECTIVE STRESS (PSF)	$\sigma_o/\bar{\sigma}_o$ (-)	r_d (-)	① $\tau_h/\bar{\sigma}_o$ (-)	N VALUE (BLOWS/FT)	RELATIVE DENSITY (%)	C_N (-)	C_E (-)	C_B (-)	C_R (-)	C_S (-)	$(N_1)_{60}$ (BLOWS/ft)	FINES (%)	CRR M=7.5	MSF (-)	CRR M=6.9	LIQ. F.S.
5	110	550	Same	1.00	0.99	0.27	7	60	>1.6	1.00	1.05	0.70	1.20	>10	5	>0.11	1.3	>0.14	>0.5
10	110	1100			0.96	0.26	12	70	1.3			0.75		15	3	0.17		0.22	0.9
15	115	1675			0.92	0.25	12	65	1.1			0.85		14	3	0.15		0.20	0.8
20	115	2250	↓	↓	0.87	0.24	13	60	0.95			0.90		14	64	>0.24		>0.31	>1.3
25	125	2875	2563	1.12	0.80	0.24	20	70	0.90			0.95		22	4	0.24		0.31	1.3
30	↓	3500	2876	1.22	0.74	0.24	30	80	0.86			1.00		33	4	>0.50		>0.65	>2.7
35		4125	3189	1.29	0.68	0.24	31	80	0.82					32	3				>2.7
40		4750	3502	1.36	0.64	0.23	37	85	0.79					37	2				>2.7
45		5375	3815	1.41	0.61	0.23	32	75	0.77					31	6				>2.7
50	↓	6000	4129	1.45	0.58	0.23	33	75	0.74	↓	↓	↓	↓	31	8	↓	↓	↓	>2.7

① INDUCED CYCLIC STRESS RATIO = $\tau_{ave}/\bar{\sigma}_o = 0.65 \cdot \frac{a_{max}}{g} \cdot \frac{\sigma_o}{\bar{\sigma}_o} \cdot r_d$

Actual Energy Ratio = 0.67-1.17 (Safety Hammer)
= 0.50-1.00 (Donut Hammer)

Sampling Method = 1.0 Standard sampler
~~= 1.2 Sampler W/o liners~~

- C_E = Corr. - Energy Ratio = Energy Ratio/60%
- C_B = Corr. - Borehole Dia. = 1.15 for 8" dia. borehole
- C_R = Corr. - Rod Length
- C_S = Corr. - Sampling Method

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT _____ DATE _____

EVALUATION OF LIQUEFACTION POTENTIAL

SITE LOCATION: _____

GEOTECHNICAL REPORT: _____

GEOLOGY REPORT: _____

DEPTH TO WATER TABLE = 20'

EARTHQUAKE MAGNITUDE = 6.9

PEAK GROUND ACCELERATION = 0.42g

DEPTH BELOW FINAL GRADE (FEET)	MOIST DENSITY (PCF)	σ_o TOTAL STRESS (PSF)	$\bar{\sigma}_o$ EFFECTIVE STRESS (PSF)	$\sigma_o/\bar{\sigma}_o$ (-)	r_d (-)	① $\tau_h/\bar{\sigma}_o$ (-)	N VALUE (BLOWS/FT)	RELATIVE DENSITY (%)	C_N (-)	C_E (-)	C_B (-)	C_R (-)	C_S (-)	$(N_1)_{60}$ (BLOWS/ft)	FINES (%)	CRR M=7.5	MSF (-)	CRR M=6.9	LIQ. F.S.
5	110	550	Same	1.00	0.99	0.27	7	60	>1.6	1.00	1.05	0.70	1.20	>10	5	>0.11	1.3	>0.14	>0.5
10	120	1100	↓	↓	0.96	0.26	12	70	1.3	↓	↓	0.75	↓	15	3	0.17	↓	0.22	0.9
15	115	1675	↓	↓	0.92	0.25	12	65	1.1	↓	↓	0.85	↓	14	3	0.15	↓	0.20	0.8
20	115	2250	↓	↓	0.87	0.24	13	60	0.95	↓	↓	0.90	↓	14	64	>0.24	↓	>0.31	>1.3
25	125	2875	2563	1.12	0.80	0.24	20	70	0.90	↓	↓	0.95	↓	22	4	0.24	↓	0.31	1.3
30	↓	3500	2876	1.22	0.74	0.24	30	80	0.86	↓	↓	1.00	↓	33	4	>0.50	↓	>0.65	>2.7
35	↓	4125	3189	1.29	0.68	0.24	31	80	0.82	↓	↓	↓	↓	32	3	↓	↓	↓	>2.7
40	↓	4750	3502	1.36	0.64	0.23	37	85	0.79	↓	↓	↓	↓	37	2	↓	↓	↓	>2.7
45	↓	5375	3815	1.41	0.61	0.23	32	75	0.77	↓	↓	↓	↓	31	6	↓	↓	↓	>2.7
50	↓	6000	4129	1.45	0.58	0.23	33	75	0.74	↓	↓	↓	↓	31	8	↓	↓	↓	>2.7

① INDUCED CYCLIC STRESS RATIO = $\tau_{ave}/\bar{\sigma}_o = 0.65 \cdot \frac{a_{max}}{g} \cdot \frac{\sigma_o}{\bar{\sigma}_o} \cdot r_d$

Actual Energy Ratio = 0.67–1.17 (Safety Hammer)
= 0.50–1.00 (Donut Hammer)

Sampling Method = 1.0 Standard sampler
~~= 1.2 Sampler w/o liners~~

- C_E = Corr. – Energy Ratio = Energy Ratio/60%
- C_B = Corr. – Borehole Dia. = 1.15 for 8" dia. borehole
- C_R = Corr. – Rod Length
- C_S = Corr. – Sampling Method

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT | DATE

EVALUATION OF LIQUEFACTION POTENTIAL

CPT-1

SITE LOCATION: _____

GEOTECHNICAL REPORT: _____

GEOLOGY REPORT: _____

DEPTH TO WATER TABLE = 20'

EARTHQUAKE MAGNITUDE = 6.9

PEAK GROUND ACCELERATION = 0.42g

DEPTH BELOW FINAL GRADE (FEET)	MOIST DENSITY (PCF)	σ_o TOTAL STRESS (PSF)	$\bar{\sigma}_o$ EFFECTIVE STRESS (PSF)	$\sigma_o/\bar{\sigma}_o$ (-)	r_d (-)	① $\tau_h/\bar{\sigma}_o$ (-)	N VALUE (BLOWS/FT)	RELATIVE DENSITY (%)	C_N (-)	C_E (-)	C_B (-)	C_R (-)	C_S (-)	$(N_1)_{60}$ (BLOWS/FT)	FINES (%)	CRR M=7.5	MSF (-)	CRR M=6.9	LIQ. F.S.
0-4	110	440	Same	1.00	0.99	0.27	18		>1.6	1.00	1.00	1.00	1.00	>29	5	>0.40	1.3	>0.52	>1.9
4-6	↓	550	↓	↓	0.99	0.27	7		↓	↓	↓	↓	↓	11	>35	>0.20	↓	>0.26	>1
6-8		880			0.98	0.27	15							24	5	0.27		0.35	1.3
8-13	↓	1100			0.96	0.26	24		↓					38	↓	>0.50		>0.65	>2.5
13-17	115	1675			0.92	0.25	25		1.15					29		0.40		0.52	2.0
17-20	↓	2250	↓	↓	0.87	0.24	22		0.93					20.5		0.22		0.29	1.2
20-24	125				0.85	0.24	25		0.85					21		0.23		0.30	1.2
24-25		2875	2563	1.12	0.80	0.24	17		0.80					14		0.16		0.21	0.9
25-28					0.78	0.24	23		0.77					18		0.20		0.26	1
28-29	↓				0.75	0.24	17		0.76	↓	↓	↓	↓	13	64	>0.22	↓	>0.29	>1.2

① INDUCED CYCLIC STRESS RATIO = $\tau_{ave}/\bar{\sigma}_o = 0.65 \cdot \frac{a_{max}}{g} \cdot \frac{\sigma_o}{\bar{\sigma}_o} \cdot r_d$

Actual Energy Ratio = 0.67-1.17 (Safety Hammer)
= 0.50-1.00 (Donut Hammer)

Sampling Method = 1.0 Standard sampler
= ~~1.2 Sampler w/o liners~~

- C_E = Corr. - Energy Ratio = Energy Ratio/60%
- C_B = Corr. - Borehole Dia. = 1.15 for 8" dia. borehole
- C_R = Corr. - Rod Length
- C_S = Corr. - Sampling Method

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT | DATE

EVALUATION OF LIQUEFACTION POTENTIAL

CPT-1

SITE LOCATION: _____

GEOTECHNICAL REPORT: _____

GEOLOGY REPORT: _____

DEPTH TO WATER TABLE = 20'

EARTHQUAKE MAGNITUDE = 6.9

PEAK GROUND ACCELERATION = 0.42g

DEPTH BELOW FINAL GRADE (FEET)	MOIST DENSITY (PCF)	σ_o TOTAL STRESS (PSF)	$\bar{\sigma}_o$ EFFECTIVE STRESS (PSF)	$\sigma_o/\bar{\sigma}_o$ (-)	r_d (-)	① $\tau_h/\bar{\sigma}_o$ (-)	N VALUE (BLOWS/FT)	RELATIVE DENSITY (%)	C_N (-)	C_E (-)	C_B (-)	C_R (-)	C_S (-)	$(N_1)_{60}$ (BLOWS/FT)	FINES (%)	CRR M=7.5	MSF (-)	CRR M=6.9	LIQ. F.S.
29-32	125	3500	2876	1.22	0.74	0.24	24		0.75	1.00	1.00	1.00	1.00	18	5	0.20	1.3	0.26	1.1
32-33					0.71	0.24	20		0.72					14.5		0.16		0.21	0.
33-38		4125	3189	1.29	0.68	0.24	24		0.70					17		0.19		0.25	1.0
38-39					0.65	0.24	21		0.67					14		0.16		0.21	0.9
39-41		4750	3502	1.36	0.64	0.23	26		0.66					17		0.19		0.25	1.1
41-43					0.63	0.23	35		0.64					22		0.24		0.31	1.4
43-46		5375	3815	1.41	0.61	0.23	>40		0.63					>25	6	>0.29		>0.38	>1.6
46-50		6000	4129	1.45	0.58	0.23	>40		0.60					>24	8	>0.30		>0.39	>1.7

① INDUCED CYCLIC STRESS RATIO = $\tau_{ave}/\bar{\sigma}_o = 0.65 \cdot \frac{a_{max}}{g} \cdot \frac{\sigma_o}{\bar{\sigma}_o} \cdot r_d$

Actual Energy Ratio = 0.67-1.17 (Safety Hammer)
= 0.50-1.00 (Donut Hammer)

Sampling Method = 1.0 Standard sampler
~~= 1.2 Sampler W/o liners~~

- C_E = Corr. - Energy Ratio = Energy Ratio/60%
- C_B = Corr. - Borehole Dia. = 1.15 for 8" dia. borehole
- C_R = Corr. - Rod Length
- C_S = Corr. - Sampling Method

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT | DATE

EVALUATION OF LIQUEFACTION POTENTIAL

SEISMIC SETTLEMENT EVALUATION ⇒ GWT @ 20' CAT-1

EQ Magnitude = 6.9, Hor. Ground Acceleration = 0.42g

Depth (ft)	$N_{1,60}$ (Blows/ft)	Fines (%)	EQ CSR	Mdesign $M_{7.5}$	Design CSR	Vert. Strain	Seismic Settle	Liquefaction F.S.
24-25'	14	5	0.24	1.3	0.18	1.7%	0.20"	0.9
32-33'	14.5	5	0.24		0.18	1.5%	0.18"	0.9
33-38'	17	5	0.24		0.18	0.5%	0.30"	1.0
38-39'	14	5	0.24		0.18	1.7%	0.20"	0.9

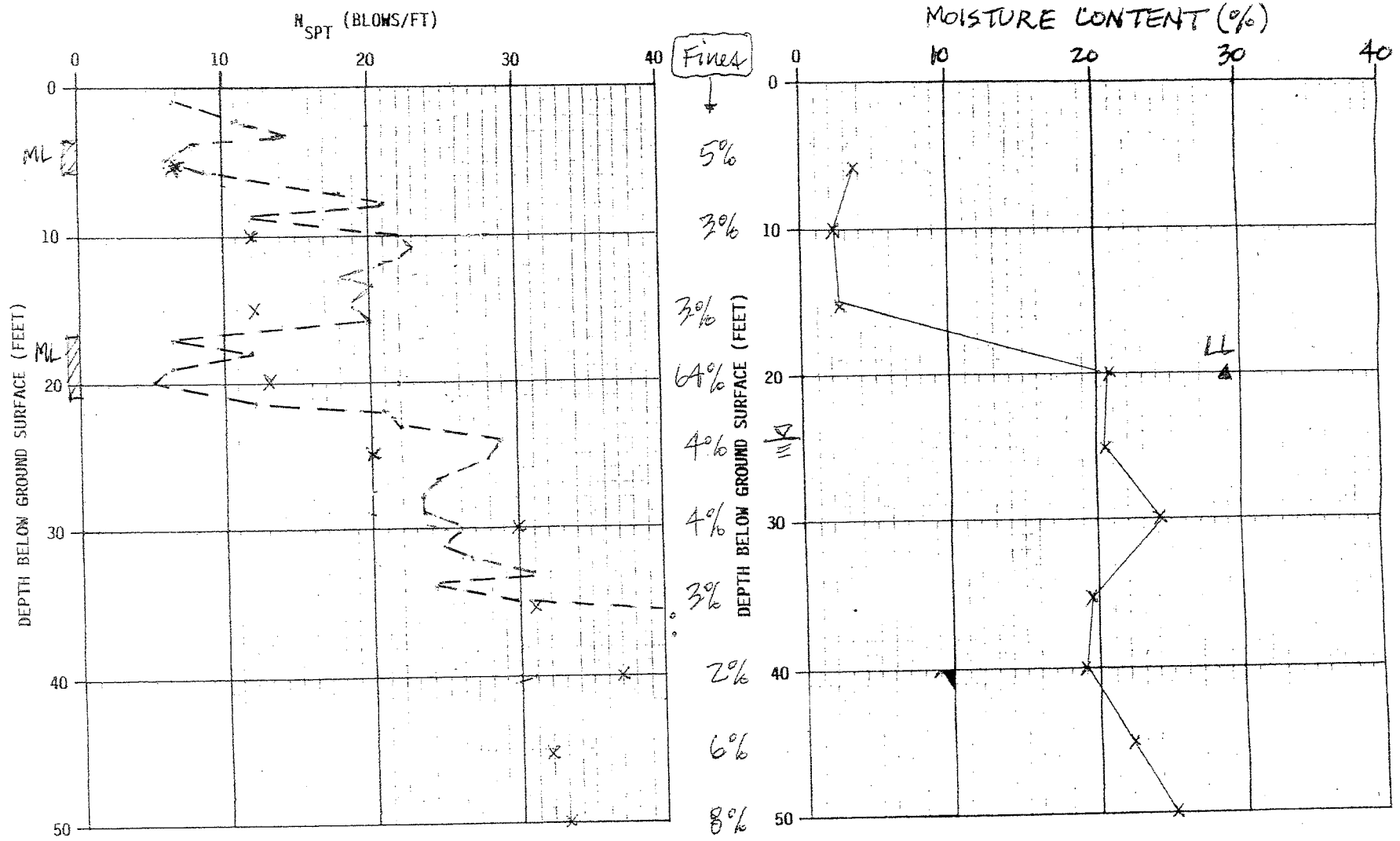
$\Sigma S = 0.88"$

Say $\Delta_{EQ} = 7/8"$ ←

NL - Non liquefiable soil layers with LL > 39% and PL > 18%

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

DATE



NorCal Engineering

SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT

DATE

STANDARD PENETRATION TEST (SPT)
RESULTS AND MOISTURE
CONTENT VERSUS DEPTH

CPT-2A

SITE LOCATION: _____

GEOTECHNICAL REPORT: _____

GEOLOGY REPORT: _____

DEPTH TO WATER TABLE = 20'

EARTHQUAKE MAGNITUDE = 6.9

PEAK GROUND ACCELERATION = 0.42g

DEPTH BELOW FINAL GRADE (FEET)	MOIST DENSITY (PCF)	σ_o TOTAL STRESS (PSF)	$\bar{\sigma}_o$ EFFECTIVE STRESS (PSF)	$\sigma_o/\bar{\sigma}_o$ (-)	r_d (-)	① $\tau_h/\bar{\sigma}_o$ (-)	N VALUE (BLOWS/FT)	RELATIVE DENSITY (%)	C_N (-)	C_E (-)	C_B (-)	C_R (-)	C_S (-)	$(N_1)_{60}$ (BLOWS/FT)	FINES (%)	CRR M=7.5	MSF (-)	CRR M=6.9	LIQ. F.S.
0-4	110	440	Same	1.00	0.99	0.27	10		>1.6	1.00	1.00	1.00	1.00	>16	5	>0.18	1.3	>0.23	>0.9
4-6	↓	550	↓	↓	0.99	0.27	7		↓	↓	↓	↓	↓	11	>35	>0.20	↓	>0.26	>1.0
6-8		880			0.98	0.27	15							24	5	0.27		0.35	1.3
8-13		1100			0.96	0.26	18							29	↓	0.40		0.52	2.0
13-17	115	1675			0.92	0.25	20		1.15					23		0.26		0.34	1.4
17-20	↓	2250			0.87	0.24	8		0.93					7.5	>35	>0.16		0.21	0.9
20-22	125				0.85	0.24	14		0.85					12	5	0.13		0.17	0.7
22-25	↓	2875	2563	1.12	0.80	0.24	25		0.80					20	↓	0.22		0.29	1.2
25-28		—			0.78	0.24	27		0.77					21		0.23		0.30	1..
28-29	↓	↓	↓	↓	0.75	0.24	23		0.76	↓	↓	↓	↓	17.5	64	>0.30	↓	>0.39	>1.6

① INDUCED CYCLIC STRESS RATIO = $\tau_{ave}/\bar{\sigma}_o = 0.65 \cdot \frac{a_{max}}{g} \cdot \frac{\sigma_o}{\bar{\sigma}_o} \cdot r_d$

Actual Energy Ratio = 0.67-1.17 (Safety Hammer)
= 0.50-1.00 (Donut Hammer)

Sampling Method = 1.0 Standard sampler
~~= 1.2 Sampler w/o liners~~

- C_E = Corr. - Energy Ratio = Energy Ratio/60%
- C_B = Corr. - Borehole Dia. = 1.15 for 8" dia. borehole
- C_R = Corr. - Rod Length
- C_S = Corr. - Sampling Method

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT | DATE

EVALUATION OF LIQUEFACTION POTENTIAL

CPT-7A

SITE LOCATION: _____

GEOTECHNICAL REPORT: _____

GEOLOGY REPORT: _____

DEPTH TO WATER TABLE = 20'

EARTHQUAKE MAGNITUDE = 6.9

PEAK GROUND ACCELERATION = 0.42g

DEPTH BELOW FINAL GRADE (FEET)	MOIST DENSITY (PCF)	σ_o TOTAL STRESS (PSF)	$\bar{\sigma}_o$ EFFECTIVE STRESS (PSF)	$\sigma_o/\bar{\sigma}_o$ (-)	r_d (-)	① $\tau_{h}/\bar{\sigma}_o$ (-)	N VALUE (BLOWS/FT)	RELATIVE DENSITY (%)	C_N (-)	C_E (-)	C_B (-)	C_R (-)	C_S (-)	$(N_1)_{60}$ (BLOWS/FT)	FINES (%)	CRR M=7.5	MSF (-)	CRR M=6.9	LIQ. F.S.
29-31	125	3500	2876	1.22	0.74	0.24	24		0.75	1.00	1.00	1.00	1.00	18	5	0.20	1.3	0.26	1.1
31-34					0.71	0.24	27		0.72					19.5		0.21		0.27	1.1
34-36		4125	3189	1.29	0.68	0.24	31		0.70					22		0.24		0.31	1.3
36-34					0.65	0.24	>40		0.67					>27		0.33		0.43	1.8
39-41	↓	4750	3502	1.36	0.64	0.23	>40		0.66	↓	↓	↓	↓	>26	↓	0.30	↓	0.39	1.7

① INDUCED CYCLIC STRESS RATIO = $\tau_{ave}/\bar{\sigma}_o = 0.65 \cdot \frac{a_{max}}{g} \cdot \frac{\sigma_o}{\bar{\sigma}_o} \cdot r_d$

- C_E = Corr. - Energy Ratio = Energy Ratio/60%
- C_B = Corr. - Borehole Dia. = 1.15 for 8" dia. borehole
- C_R = Corr. - Rod Length
- C_S = Corr. - Sampling Method

Actual Energy Ratio = 0.67-1.17 (Safety Hammer)
= 0.50-1.00 (Donut Hammer)

Sampling Method = 1.0 Standard sampler
= 1.2 ~~Sampler w/o liners~~

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT | DATE

EVALUATION OF LIQUEFACTION POTENTIAL

SEISMIC SETTLEMENT EVALUATION → GWT @ 20' | CPT-2A

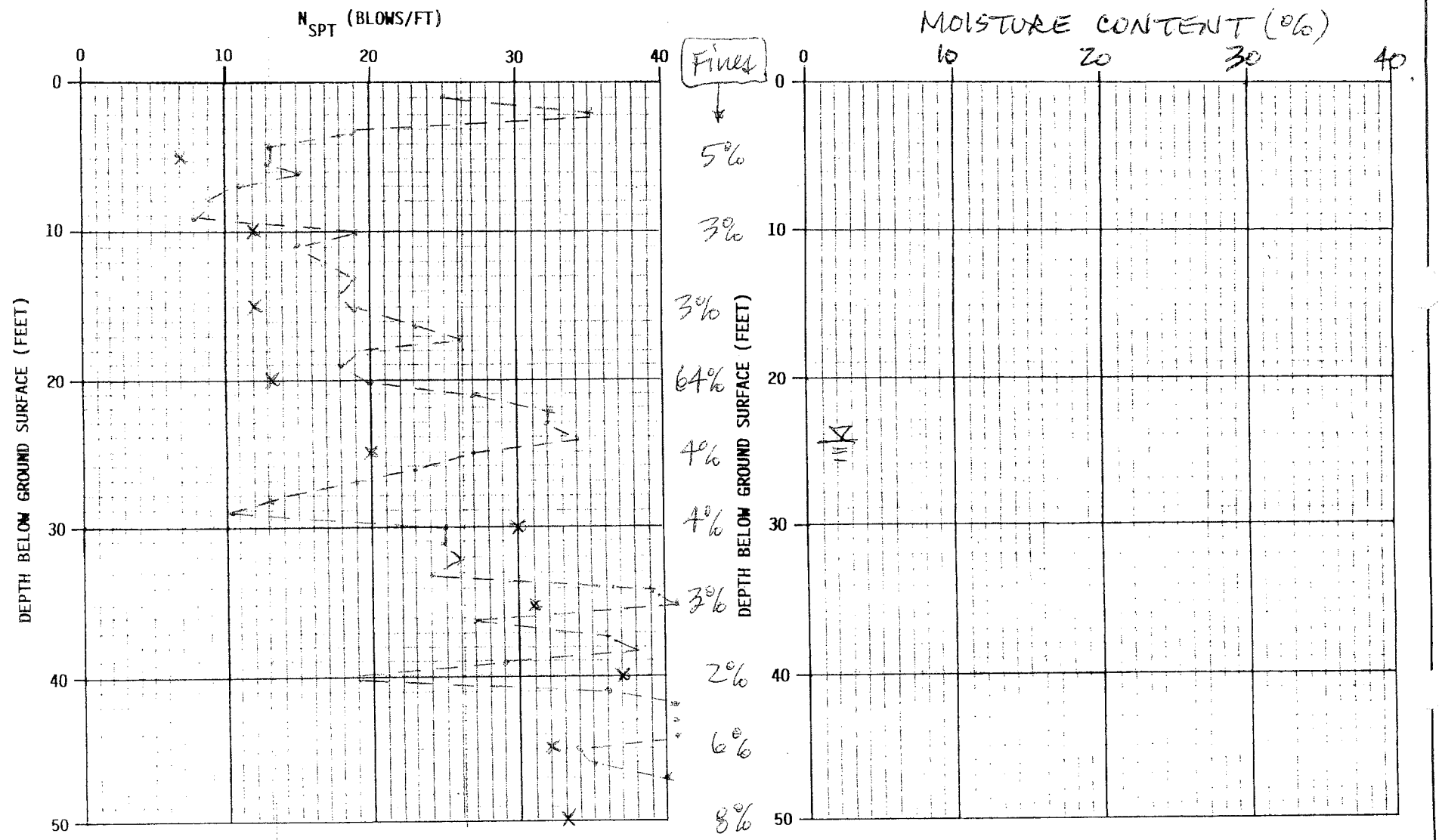
EQ Magnitude = 6.9, Hor. Ground Acceleration = 0.42g

Depth (ft)	$N_{1,60}$ (Blows/ft)	Fines (%)	EQ CSR	M_{design} / $M_{7.5}$	Design CSR	Vert. Strain	Seismic Settle	Liquefaction F.S.
20-22'	12	5	0.24	1.3	0.18	2.1%	0.50"	0.7
29-31'	18	5	0.24	↓	0.18	0.2%	0.05"	1.1
31-34'	19.5	5	0.24	↓	0.18	0.1%	0.04"	1.1

$\Sigma S = 0.59"$

Say $\Delta_{EQ} = 5/8"$ ←

NL - Non liquefiable soil layers with LL > 39% and PL > 18%



× B-3

◦ CPT-3

DATE

STANDARD PENETRATION TEST (SPT)
RESULTS & MOISTURE CONTENT VERSUS DEPTH

CPT-3

SITE LOCATION: _____

GEOTECHNICAL REPORT: _____

GEOLOGY REPORT: _____

DEPTH TO WATER TABLE = 20'

EARTHQUAKE MAGNITUDE = 6.9

PEAK GROUND ACCELERATION = 0.42g

DEPTH BELOW FINAL GRADE (FEET)	MOIST DENSITY (PCF)	σ_o TOTAL STRESS (PSF)	$\bar{\sigma}_o$ EFFECTIVE STRESS (PSF)	$\sigma_o/\bar{\sigma}_o$ (-)	r_d (-)	① $\tau_h/\bar{\sigma}_o$ (-)	N VALUE (BLOWS/FT)	RELATIVE DENSITY (%)	C_N (-)	C_E (-)	C_B (-)	C_R (-)	C_S (-)	$(N_1)_{60}$ (BLOWS/ft)	FINES (%)	CRR M=7.5	MSF (-)	CRR M=6.9	LIQ. F.S.
0-4'	110	440	same	1.00	0.99	0.27	25		>1.6	1.00	1.00	1.00	1.00	>40	5	>0.50	1.3	>0.65	>2.4
4-9'	↓	990	↓	↓	0.97	0.26	11		>1.6	↓	↓	↓	↓	>18	3	>0.20	↓	>0.26	>1.
9-11'	↓	1100	↓	↓	0.96	0.26	14		1.6	↓	↓	↓	↓	22	>50	>0.50	↓	>0.65	>2.5
11-15'	115	1615	↓	↓	0.92	0.25	18		1.15	↓	↓	↓	↓	21	3	0.23	↓	0.30	1.2
15-20'	↓	2250	↓	↓	0.87	0.24	23		0.95	↓	↓	↓	↓	22	4	0.24	↓	0.31	1.3
20-27'	125	2875	2563	1.12	0.80	0.24	30		0.85	↓	↓	↓	↓	26	4	0.30	↓	0.39	1.6
27-29'	↓	3375	2813	1.20	0.75	0.24	15		0.80	↓	↓	↓	↓	12	>50	>0.21	↓	>0.27	>1.1
29-33'	↓	3500	2876	1.22	0.74	0.24	25		0.78	↓	↓	↓	↓	20	4	0.21	↓	0.27	1.1
33-36'	↓	4125	3189	1.29	0.68	0.24	36		0.74	↓	↓	↓	↓	27	3	0.32	↓	0.42	1.
36-39'	↓	4625	3439	1.34	0.66	0.24	33		0.70	↓	↓	↓	↓	23	3	0.26	↓	0.34	1.4

① INDUCED CYCLIC STRESS RATIO = $\tau_{ave}/\bar{\sigma}_o = 0.65 \cdot \frac{a_{max}}{g} \cdot \frac{\sigma_o}{\bar{\sigma}_o} \cdot r_d$

- C_E = Corr. - Energy Ratio = Energy Ratio / 60%
- C_B = Corr. - Borehole Dia. = 1.15 for 8" dia. borehole
- C_R = Corr. - Rod Length
- C_S = Corr. - Sampling Method

Actual Energy Ratio = 0.67-1.17 (Safety Hammer)
= 0.50-1.00 (Donut Hammer)

Sampling Method = 1.0 Standard sampler
= 1.2 ~~Sampler W/o liners~~

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT | DATE

EVALUATION OF LIQUEFACTION POTENTIAL

CPT-3

SITE LOCATION: _____

GEOTECHNICAL REPORT: _____

GEOLOGY REPORT: _____

DEPTH TO WATER TABLE = _____

EARTHQUAKE MAGNITUDE = _____

PEAK GROUND ACCELERATION = _____

DEPTH BELOW FINAL GRADE (FEET)	MOIST DENSITY (PCF)	σ_o TOTAL STRESS (PSF)	$\bar{\sigma}_o$ EFFECTIVE STRESS (PSF)	$\sigma_o/\bar{\sigma}_o$ (-)	r_d (-)	① $\tau_h/\bar{\sigma}_o$ (-)	N VALUE (BLOWS/FT)	RELATIVE DENSITY (%)	C_N (-)	C_E (-)	C_B (-)	C_R (-)	C_S (-)	$(N_1)_{60}$ (BLOWS/FT)	FINES (%)	CRR M=7.5	MSF (-)	CRR M=6.9	LIQ. F.S.
39-40'	125	4752	3502	1.36	0.64	0.23	19		0.65	1.00	1.00	1.00	1.00	13	>50	>0.22	1.3	>0.29	>1.3
40-45'		5375	3845	1.40	0.61	0.23	40		0.65					26	6	0.30		0.39	1.7
45-47'		5625	3940	1.43	0.60	0.23	37		0.63					23	7	0.28		0.36	1.6
47-50'	↓	6000	4129	1.45	0.58	0.23	>40		0.61					24	8	0.30		0.39	1.7

① INDUCED CYCLIC STRESS RATIO = $\tau_{ave}/\bar{\sigma}_o = 0.65 \cdot \frac{a_{max}}{g} \cdot \frac{\sigma_o}{\bar{\sigma}_o} \cdot r_d$

Actual Energy Ratio = 0.67-1.17 (Safety Hammer)
= 0.50-1.00 (Donut Hammer)

Sampling Method = 1.0 Standard sampler
~~= 1.2 Sampler W/o liners~~

- C_E = Corr. - Energy Ratio = Energy Ratio/60%
- C_B = Corr. - Borehole Dia. = 1.15 for 8" dia. borehole
- C_R = Corr. - Rod Length
- C_S = Corr. - Sampling Method

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT | DATE

EVALUATION OF LIQUEFACTION POTENTIAL

CAT-3

SEISMIC SETTLEMENT EVALUATION ⇒ GWT @ 20'

EQ Magnitude = 6.9, Hor. Ground Acceleration = 0.42g

Depth (ft)	$N_{1,60}$ (Blows/ft)	Fines (%)	EQ CSR	M_{design} $M_{7.5}$	Design CSR	Vert. Strain	Seismic Settle	Liquefaction F.S.
27-29'	12 (18)	>50 (5)	0.24	1.3	0.18	0.2%	0.05"	>1.1
29-33'	20	4	0.24	↓	0.18	0.1%	0.05"	1.1

$\Sigma S = 0.10"$

Say $\Delta_{EQ} = 1/8"$ ←

NL - Non liquefiable soil layers with LL > 39% and PL > 18%

Appendix D
Soil Infiltration Data

North Palisade Partners
23559-22

Log of Test Hole TH-1

Boring Location: 10990 N. Woodside Ave, Santee

Date of Drilling: 3/12/2024 | Groundwater Depth: None Encountered

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		Asphalt pavement 2 inch thickness					
		FILL (Af)					
		Silty (fine to coarse grained) SAND					
		Brown, medium dense, moist					
		Alluvium (Qoa)					
5		Silty (medium to coarse graind) SAND					
		Brown, medium dense, moist; with occasional gravel					
		SAND (medium to coarse graind)					
		Light brown, medium dense, damp; slightly silty					
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/14/2024

NorCal Engineering

North Palisade Partners
23559-22

Log of Test Hole TH-2

Boring Location: 10990 N. Woodside Ave, Santee

Date of Drilling: 3/12/2024 | Groundwater Depth: None Encountered

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		Asphalt pavement 2 inch thickness					
		FILL (Af)					
		Silty (fine to coarse grained) SAND					
		Brown, medium dense, moist					
		Alluvium (Qoa)					
5		Silty (medium to coarse graind) SAND					
		Brown, medium dense, moist; with occasional gravel					
		SAND (medium to coarse graind)					
		Light brown, medium dense, damp; slightly silty					
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/14/2024

NorCal Engineering

North Palisad[illegible]artners
23559-22

Log of Test Hole TH-3

Boring Location: 10990 N. Woodside Ave, Santee

Date of Drilling: 3/12/2024 | Groundwater Depth: None Encountered

Drilling Method: Simco 2800 HS

Hammer Weight: 140 lbs. | Drop: 30"

Surface Elevation:

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		Asphalt pavement 2 inch thickness					
		FILL (Af)					
		Silty (fine to coarse grained) SAND					
		Brown, medium dense, moist					
		Alluvium (Qoa)					
5		Silty (medium to coarse graind) SAND					
		Brown, medium dense, moist; with occasional gravel					
		SAND (medium to coarse graind)					
		Light brown, medium dense, damp; slightly silty					
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\23559-22.log Date: 3/14/2024

NorCal Engineering

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

PERCOLATION TEST DATA

Client: North Palisade Partners	**Date:** 3/12/2024
Project No.: 23559-22	**Tested By:** J.S.
Test Hole: 1	**USCS Soil Classification:**
Depth of Test Hole: 10' (120")	**Sides (if rectangular):**
Diameter of Test Hole: 6"	**Length:**
Sandy Soil Criteria Test*:	**Width:**

TRIAL NO.	START TIME	STOP TIME	TIME INTERVAL (MIN)	INITIAL DEPTH TO WATER (IN)	FINAL DEPTH TO WATER (IN)	CHANGE IN WATER LEVEL (IN)	GREATER THAN OR EQUAL TO 6"
1	8:34	8:35	1	105.0	120.0	15.0	
2	8:35	8:36	1	105.0	120.0	15.0	

*If two consecutive measurements show that six inches of water seeps away in less than 25 minutes, the test shall be run for an additional hour with measurements taken every 10 minutes. Otherwise, pre-soak (fill) overnight. Obtain at least twelve measurements per hole over at least six hours (approximately 30-minute intervals) with a precision of at least 0.25".

TRIAL NO	START TIME	STOP TIME	ΔT TIME INTERVAL (MIN)	Do INITIAL DEPTH TO WATER (IN)	Df FINAL DEPTH TO WATER (IN)	ΔD CHANGE IN WATER LEVEL (IN)	PERCOLATION RATE (MIN/IN)
1	8:36	8:38	2	105.0	120.0	15.0	
2	8:38	8:40	2	105.0	120.0	15.0	
3	8:40	8:42	2	105.0	120.0	15.0	
4	8:42	8:44	2	105.0	120.0	15.0	
5	8:44	8:46	2	105.0	120.0	15.0	
6	8:46	8:48	2	105.0	120.0	15.0	
7	8:48	8:50	2	105.0	120.0	15.0	
8	8:50	8:52	2	105.0	120.0	15.0	
9	8:52	8:55	3	105.0	120.0	15.0	
10	8:55	8:58	3	105.0	120.0	15.0	
11	8:58	9:01	3	105.0	120.0	15.0	
12	9:01	9:04	3	105.0	120.0	15.0	
13	9:04	9:07	3	105.0	120.0	15.0	
14	9:07	9:10	3	105.0	120.0	15.0	
15	9:10	9:13	3	105.0	120.0	15.0	

COMMENTS:

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

PERCOLATION TEST DATA

TRIAL NO	START TIME	STOP TIME	ΔT TIME INTERVAL (MIN)	Do INITIAL DEPTH TO WATER (IN)	Df FINAL DEPTH TO WATER (IN)	ΔD CHANGE IN WATER LEVEL (IN)	PERCOLATION RATE (MIN/IN)
16	9:13	9:16	3	105.0	120.0	15.0	
17	9:16	9:19	3	105.0	120.0	15.0	
18	9:19	9:22	3	105.0	120.0	15.0	
19	9:22	9:25	3	105.0	120.0	15.0	
20	9:25	9:28	3	105.0	120.0	15.0	
21	9:28	9:31	3	105.0	120.0	15.0	
22	9:31	9:34	3	105.0	120.0	15.0	
23	9:34	9:37	3	105.0	120.0	15.0	

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

PERCOLATION TEST DATA

Client: North Palisade Partners	**Date**: 3/12/2024
Project No.: 23559-22	**Tested By**: J.S.
Test Hole: 2	**USCS Soil Classification**:
Depth of Test Hole: 10' (120")	**Sides (if rectangular)**:
Diameter of Test Hole: 6"	**Length**:
Sandy Soil Criteria Test*:	**Width**:

TRIAL NO.	START TIME	STOP TIME	TIME INTERVAL (MIN)	INITIAL DEPTH TO WATER (IN)	FINAL DEPTH TO WATER (IN)	CHANGE IN WATER LEVEL (IN)	GREATER THAN OR EQUAL TO 6"
1	9:44	9:45	1	105.0	120.0	15.0	
2	9:45	9:46	1	105.0	120.0	15.0	

*If two consecutive measurements show that six inches of water seeps away in less than 25 minutes, the test shall be run for an additional hour with measurements taken every 10 minutes. Otherwise, pre-soak (fill) overnight. Obtain at least twelve measurements per hole over at least six hours (approximately 30-minute intervals) with a precision of at least 0.25".

TRIAL NO	START TIME	STOP TIME	ΔT TIME INTERVAL (MIN)	Do INITIAL DEPTH TO WATER (IN)	Df FINAL DEPTH TO WATER (IN)	ΔD CHANGE IN WATER LEVEL (IN)	PERCOLATION RATE (MIN/IN)
1	9:46	9:47	1	105.0	120.0	15.0	
2	9:47	9:48	1	105.0	120.0	15.0	
3	9:48	9:49	1	105.0	120.0	15.0	
4	9:49	9:50	1	105.0	120.0	15.0	
5	9:50	9:51	1	105.0	120.0	15.0	
6	9:51	9:52	1	105.0	120.0	15.0	
7	9:52	9:53	1	105.0	120.0	15.0	
8	9:53	9:54	1	105.0	120.0	15.0	
9	9:54	9:55	1	105.0	120.0	15.0	
10	9:55	9:56	1	105.0	120.0	15.0	
11	9:56	9:57	1	105.0	120.0	15.0	
12	9:57	9:58	1	105.0	120.0	15.0	
13	9:58	9:59	1	105.0	120.0	15.0	
14	9:59	10:00	1	105.0	120.0	15.0	
15	10:00	10:01	1	105.0	120.0	15.0	

COMMENTS:

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

PERCOLATION TEST DATA

TRIAL NO	START TIME	STOP TIME	ΔT TIME INTERVAL (MIN)	Do INITIAL DEPTH TO WATER (IN)	Df FINAL DEPTH TO WATER (IN)	ΔD CHANGE IN WATER LEVEL (IN)	PERCOLATION RATE (MIN/IN)
16	10:01	10:02	1	105.0	120.0	15.0	
17	10:02	10:03	1	105.0	120.0	15.0	
18	10:03	10:04	1	105.0	120.0	15.0	
19	10:04	10:05	1	105.0	120.0	15.0	
20	10:05	10:06	1	105.0	120.0	15.0	
21	10:06	10:07	1	105.0	120.0	15.0	
22	10:07	10:08	1	105.0	120.0	15.0	
23	10:08	10:09	1	105.0	120.0	15.0	
24	10:09	10:10	1	105.0	120.0	15.0	
25	10:10	10:11	1	105.0	120.0	15.0	
26	10:11	10:12	1	105.0	120.0	15.0	
27	10:12	10:13	1	105.0	120.0	15.0	
28	10:13	10:14	1	105.0	120.0	15.0	
29	10:14	10:15	1	105.0	120.0	15.0	
30	10:15	10:16	1	105.0	120.0	15.0	
31	10:16	10:17	1	105.0	120.0	15.0	
32	10:17	10:18	1	105.0	120.0	15.0	
33	10:18	10:19	1	105.0	120.0	15.0	
34	10:19	10:20	1	105.0	120.0	15.0	
35	10:20	10:21	1	105.0	120.0	15.0	
36	10:21	10:22	1	105.0	120.0	15.0	
37	10:22	10:23	1	105.0	120.0	15.0	
38	10:23	10:24	1	105.0	120.0	15.0	
39	10:24	10:25	1	105.0	120.0	15.0	
40	10:25	10:26	1	105.0	120.0	15.0	
41	10:26	10:27	1	105.0	120.0	15.0	
42	10:27	10:28	1	105.0	120.0	15.0	
43	10:28	10:29	1	105.0	120.0	15.0	
44	10:29	10:30	1	105.0	120.0	15.0	
45	10:30	10:31	1	105.0	120.0	15.0	
46	10:31	10:32	1	105.0	120.0	15.0	
47	10:32	10:33	1	105.0	120.0	15.0	
COMMENTS:							

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

PERCOLATION TEST DATA

TRIAL NO	START TIME	STOP TIME	ΔT TIME INTERVAL (MIN)	Do INITIAL DEPTH TO WATER (IN)	Df FINAL DEPTH TO WATER (IN)	ΔD CHANGE IN WATER LEVEL (IN)	PERCOLATION RATE (MIN/IN)
48	10:33	10:34	1	105.0	120.0	15.0	
49	10:34	10:35	1	105.0	120.0	15.0	
50	10:35	10:36	1	105.0	120.0	15.0	
51	10:36	10:37	1	105.0	120.0	15.0	
52	10:37	10:38	1	105.0	120.0	15.0	
53	10:38	10:39	1	105.0	120.0	15.0	
54	10:39	10:40	1	105.0	120.0	15.0	
55	10:40	10:41	1	105.0	120.0	15.0	
56	10:41	10:42	1	105.0	120.0	15.0	
57	10:42	10:43	1	105.0	120.0	15.0	
58	10:43	10:44	1	105.0	120.0	15.0	
59	10:44	10:45	1	105.0	120.0	15.0	
60	10:45	10:46	1	105.0	120.0	15.0	

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

PERCOLATION TEST DATA

Client: North Palisade Partners	**Date:** 3/12/2024
Project No.: 23559-22	**Tested By:** J.S.
Test Hole: 3	**USCS Soil Classification:**
Depth of Test Hole: 10' (120")	**Sides (if rectangular):**
Diameter of Test Hole: 6"	**Length:**
Sandy Soil Criteria Test*:	**Width:**

TRIAL NO.	START TIME	STOP TIME	TIME INTERVAL (MIN)	INITIAL DEPTH TO WATER (IN)	FINAL DEPTH TO WATER (IN)	CHANGE IN WATER LEVEL (IN)	GREATER THAN OR EQUAL TO 6"
1	11:00	11:01	1	105.0	120.0	15.0	
2	11:01	11:02	1	105.0	120.0	15.0	

*If two consecutive measurements show that six inches of water seeps away in less than 25 minutes, the test shall be run for an additional hour with measurements taken every 10 minutes. Otherwise, pre-soak (fill) overnight. Obtain at least twelve measurements per hole over at least six hours (approximately 30-minute intervals) with a precision of at least 0.25".

TRIAL NO	START TIME	STOP TIME	ΔT TIME INTERVAL (MIN)	Do INITIAL DEPTH TO WATER (IN)	Df FINAL DEPTH TO WATER (IN)	ΔD CHANGE IN WATER LEVEL (IN)	PERCOLATION RATE (MIN/IN)
1	11:02	11:03	1	105.0	120.0	15.0	
2	11:03	11:04	1	105.0	120.0	15.0	
3	11:04	11:05	1	105.0	120.0	15.0	
4	11:05	11:06	1	105.0	120.0	15.0	
5	11:06	11:07	1	105.0	120.0	15.0	
6	11:07	11:08	1	105.0	120.0	15.0	
7	11:08	11:09	1	105.0	120.0	15.0	
8	11:09	11:10	1	105.0	120.0	15.0	
9	11:10	11:11	1	105.0	120.0	15.0	
10	11:11	11:12	1	105.0	120.0	15.0	
11	11:12	11:13	1	105.0	120.0	15.0	
12	11:13	11:14	1	105.0	120.0	15.0	
13	11:14	11:15	1	105.0	120.0	15.0	
14	11:15	11:16	1	105.0	120.0	15.0	
15	11:16	11:17	1	105.0	120.0	15.0	
COMMENTS:							

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

PERCOLATION TEST DATA

TRIAL NO	START TIME	STOP TIME	ΔT TIME INTERVAL (MIN)	Do INITIAL DEPTH TO WATER (IN)	Df FINAL DEPTH TO WATER (IN)	ΔD CHANGE IN WATER LEVEL (IN)	PERCOLATION RATE (MIN/IN)
16	11:17	11:18	1	105.0	120.0	15.0	
17	11:18	11:19	1	105.0	120.0	15.0	
18	11:19	11:20	1	105.0	120.0	15.0	
19	11:20	11:21	1	105.0	120.0	15.0	
20	11:21	11:22	1	105.0	120.0	15.0	
21	11:22	11:23	1	105.0	120.0	15.0	
22	11:23	11:24	1	105.0	120.0	15.0	
23	11:24	11:25	1	105.0	120.0	15.0	
24	11:25	11:26	1	105.0	120.0	15.0	
25	11:26	11:27	1	105.0	120.0	15.0	
26	11:27	11:28	1	105.0	120.0	15.0	
27	11:28	11:29	1	105.0	120.0	15.0	
28	11:29	11:30	1	105.0	120.0	15.0	
29	11:30	11:31	1	105.0	120.0	15.0	
30	11:31	11:32	1	105.0	120.0	15.0	
31	11:32	11:33	1	105.0	120.0	15.0	
32	11:33	11:34	1	105.0	120.0	15.0	
33	11:34	11:35	1	105.0	120.0	15.0	
34	11:35	11:36	1	105.0	120.0	15.0	
35	11:36	11:37	1	105.0	120.0	15.0	
36	11:37	11:38	1	105.0	120.0	15.0	
37	11:38	11:39	1	105.0	120.0	15.0	
38	11:39	11:40	1	105.0	120.0	15.0	
39	11:40	11:41	1	105.0	120.0	15.0	
40	11:41	11:42	1	105.0	120.0	15.0	
41	11:42	11:43	1	105.0	120.0	15.0	
42	11:43	11:44	1	105.0	120.0	15.0	
43	11:44	11:45	1	105.0	120.0	15.0	
44	11:45	11:46	1	105.0	120.0	15.0	
45	11:46	11:47	1	105.0	120.0	15.0	
46	11:47	11:48	1	105.0	120.0	15.0	
47	11:48	11:49	1	105.0	120.0	15.0	
COMMENTS:							

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

PERCOLATION TEST DATA

TRIAL NO	START TIME	STOP TIME	ΔT TIME INTERVAL (MIN)	Do INITIAL DEPTH TO WATER (IN)	Df FINAL DEPTH TO WATER (IN)	ΔD CHANGE IN WATER LEVEL (IN)	PERCOLATION RATE (MIN/IN)
48	11:49	11:50	1	105.0	120.0	15.0	
49	11:50	11:51	1	105.0	120.0	15.0	
50	11:51	11:52	1	105.0	120.0	15.0	
51	11:52	11:53	1	105.0	120.0	15.0	
52	11:53	11:54	1	105.0	120.0	15.0	
53	11:54	11:55	1	105.0	120.0	15.0	
54	11:55	11:56	1	105.0	120.0	15.0	
55	11:56	11:57	1	105.0	120.0	15.0	
56	11:57	11:58	1	105.0	120.0	15.0	
57	11:58	11:59	1	105.0	120.0	15.0	
58	11:59	12:00	1	105.0	120.0	15.0	
59	12:00	12:01	1	105.0	120.0	15.0	
60	12:01	12:02	1	105.0	120.0	15.0	

SOIL INFILTRATION RATE CALCS ⇒ PORCHET METHOD

Location:	TH-1	TH-2
• Depth of Hole =	5.0'	10.0'
• Hole Radius =	3"	3"
• Drop = Δh	15"	15"
• Time = Δt Interval	7 min	8 min
• Initial Water Depth = H_o	15"	15"
• Final Water Depth = H_t	Ø	Ø
• Average Water Head = H_{avg}	7.5"	7.5"
• INFILTRATION RATE	21.4 in/hr	18.8 in/hr

$$\text{Infiltration Rate} = \frac{\Delta h\,(60)(r)}{\Delta t\,(r + 2 \cdot H_{avg})}$$

$$\text{Average Water Head} = \tfrac{1}{2}(H_t - H_o)$$

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

DATE

Appendix H
Paleontological Resources Memorandum

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

MEMORANDUM

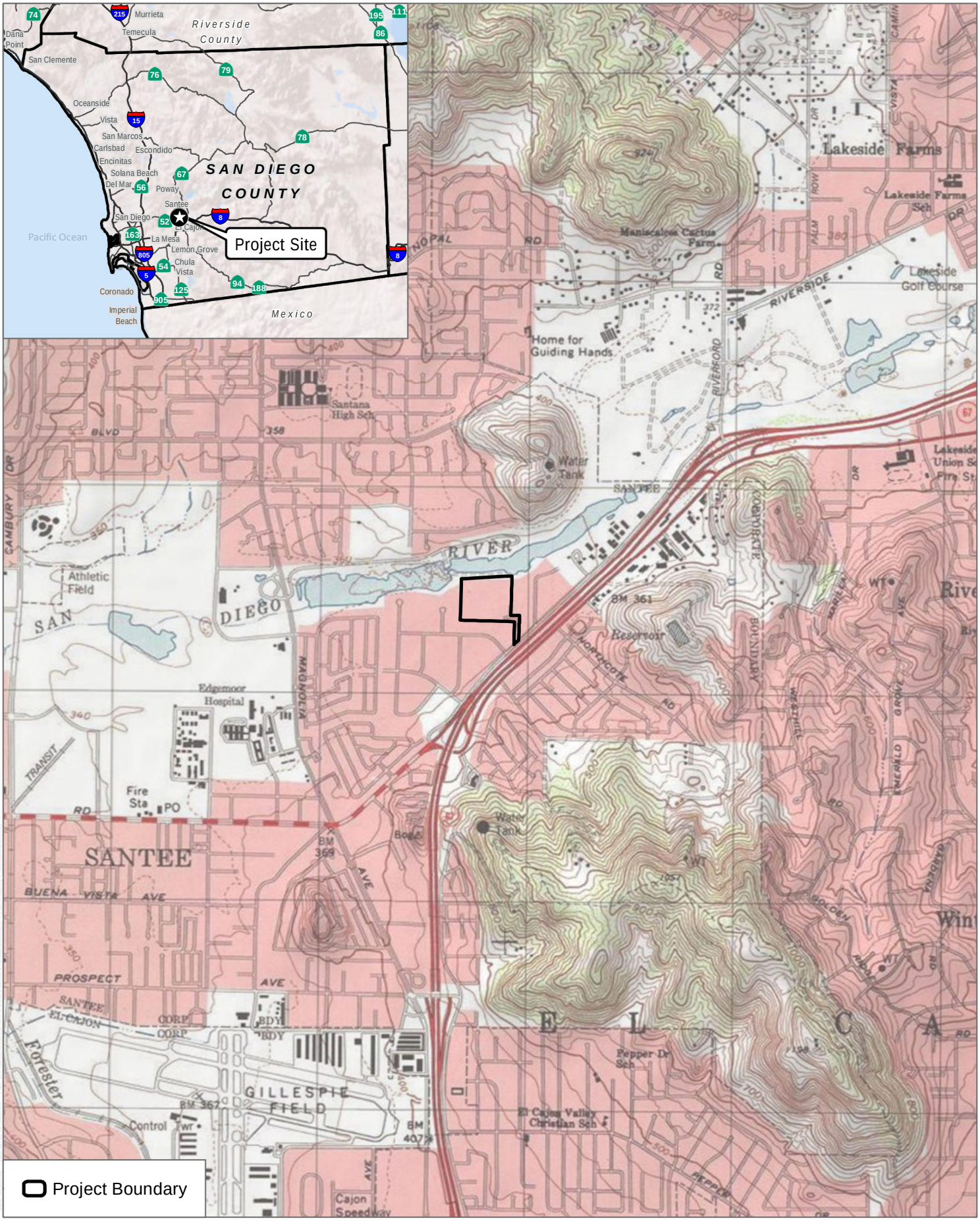
To:	Marni Borg, Principal Environmental Planner, City of Santee
From:	Michael Williams, Ph.D.
Subject:	Paleontological Resources Memorandum – Palisade Santee Commerce Center Project
Date:	July 6, 2023 (Revised May 20, 2024)
cc:	Sarah Siren, Kristen Stoner, Dudek
Attachment:	A: San Diego Natural History Museum Records Search Results

Dudek is providing this memo after completing a review of the potential for impacts to paleontological resources during construction activities for the Palisade Santee Commerce Center Project (Project or proposed Project), located in the City of Santee, San Diego County, California. The City of Santee (City) is the lead agency and responsible for compliance with the California Environmental Quality Act (CEQA). This paleontological resources study included a paleontological resources records search conducted by the San Diego Natural History Museum (SDNHM), in addition to a review of published geological maps and paleontological literature. Dudek conducted this paleontological resources study in accordance with CEQA and guidelines from the Society of Vertebrate Paleontology (SVP 2010).

Project Location and Description

The proposed Project site is located on 13.66 acres at 10990 Woodside Avenue North (Woodside Avenue N.) in Santee, California. The Project site falls within Section 23 of Township 15 South, Range 1 West of the El Cajon, California 7.5-minute Quadrangle and encompasses one Assessor Parcel Number (APN): 381-070-52-00 (Figure 1). The Project site contains the Santee Drive-In Theatre, an access road that extends to Woodside Avenue N., some landscaping, and an undeveloped area located along the northern boundary of the parcel. The Project area is bound by industrial uses to the east, west, and south, and the San Diego River to the north. Residential areas are located just north of the San Diego River. No change to current site zoning and land use designation are proposed.

The Project would redevelop the site for the construction of one warehouse building (280,000 to 300,000 square feet), including office and mezzanine and approximately 42 dock-hi doors; parking spaces; improvements to internal roadways, driveway access, and Woodside Avenue North frontage; automated gates equipped with knox boxes; and landscaping. This scope of work assumes project development would extend to the undeveloped northern boundary of APN 381-070-52-00 and that Project access would be limited to the driveway access at Woodside Avenue N.



SOURCE: USGS 7.5-Minute Series El Cajon Quadrangle
Township 15S; Range 1W; Sections 23, 26.

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

Santee Warehouse Project

Regulatory Framework

California Environmental Quality Act

CEQA Guidelines require that all private and public activities not specifically exempted be evaluated against the potential for environmental damage, including effects to paleontological resources. Paleontological resources, which are limited, nonrenewable resources of scientific, cultural, and educational value, are recognized as part of the environment under these state guidelines. This study satisfies project requirements in accordance with CEQA (13 PRC, 2100 et seq.) and Public Resources Code Section 5097.5 (Stats 1965, c 1136, p. 2792). This analysis also complies with guidelines and significance criteria specified by the Society of Vertebrate Paleontology ([SVP] 2010).

Paleontological resources are explicitly afforded protection by CEQA, specifically in Section VII(f) of CEQA Guidelines Appendix G, the "Environmental Checklist Form," which addresses the potential for adverse impacts to "unique paleontological resource[s] or site[s] or … unique geological feature[s]." This provision covers fossils of significant importance – remains of species or genera new to science, for example, or fossils exhibiting features not previously recognized for a given animal group – as well as localities that yield fossils significant in their abundance, diversity, preservation, and so forth. Further, CEQA provides that generally, a resource shall be considered "historically significant" if it has yielded or may be likely to yield information important in prehistory (PRC 15064.5 [a][3][D]). Paleontological resources would fall within this category. The PRC, Chapter 1.7, sections 5097.5 and 30244 also regulates removal of paleontological resources from state lands, defines unauthorized removal of fossil resources as a misdemeanor, and requires mitigation of disturbed sites.

Geological and Paleontological Setting

The proposed Project site lies within the Peninsular Ranges Geomorphic Province (California Geological Survey 2002). This province extends from the tip of the Baja California Peninsula to the Transverse Ranges (the San Gabriel and San Bernardino Mountains) and includes the Los Angeles Basin, offshore islands (Santa Catalina, Santa Barbara, San Nicholas, and San Clemente), and continental shelf. The eastern boundary is the Colorado Desert Geomorphic Province (California Geological Survey 2002; Morton and Miller 2006). The ancestral Peninsular Ranges were formed by uplift of plutonic igneous rock resulting from the subduction of the Farallon Plate underneath the North American Plate during the latter portion of the Mesozoic era (approximately 90 to 125 million years ago [mya]) (Abbott 1999).

Todd (2004) mapped the geology of the El Cajon 7.5-minute Topographic Quadrangle map, which includes the Project site, at a scale of 1:100,000. According to this mapping, the Project site is mapped as Holocene to late Pleistocene (< 11,700 years ago to approximately 129,000 years ago; Cohen et al. [2023]) Quaternary alluvium and colluvium undivided deposits (map unit Qu), which generally consists of silty, graded fine to medium grained sand with silt and clay. The geotechnical report prepared for the Project documented in their boring logs asphalt and fill ranging from 1 to 2 feet below the ground surface, followed by alluvial deposits from 3 to approximately 50 feet below the ground surface, which was the maximum depth explored.

Holocene to Pleistocene alluvial and colluvial deposits generally have low paleontological sensitivity at the surface because of their young age; however, because the age of sediments increases with depth below the ground surface,

the paleontological sensitivity may increase from the surface to the subsurface, where middle Holocene (approximately 5,000 years ago) to Pleistocene sediments can be found.

Paleontological Records Search

A paleontological records search request covering the Project site and a one-mile radius buffer was sent to the San Diego Natural History Museum (SDNHM) on April 7, 2023, and the results were received on April 21, 2023. According to the records search results, no paleontological localities are documented within the Project site boundaries and there were no documented localities within the one-mile buffer area surrounding the Project. The SDNHM indicated that the Holocene to late Pleistocene deposits present on the surface of the Project site are likely underlain by early Cretaceous (approximately 126 mya) intrusive igneous rocks that have no paleontological sensitivity. Therefore, a paleontological mitigation program was not recommended.

Findings and Recommendations

No paleontological resources were identified within the Project site as a result of the institutional records search, and desktop geological and paleontological review, and the Project site is not anticipated to be underlain by unique geologic features. Areas of the Project site underlain by Holocene to Pleistocene alluvial and colluvial deposits have low paleontological sensitivity but may increase at depth. In the event that intact paleontological resources are located beneath the Project site, ground-disturbing activities associated with construction of the Project, such as grading during site preparation and large diameter drilling (more than 2 feet diameter), have a low potential to destroy a unique paleontological resource or site. Without mitigation, the potential damage to paleontological resources during construction would be a potentially significant impact. However, upon implementation of **MM-CUL_1**, impacts would be reduced to below the level of significance. Impacts of the project are considered less than significant with mitigation incorporated during construction.

MM-CUL-3 Inadvertent Discovery. In the event that paleontological resources (e.g., fossils and associated data) are exposed during construction activities for the project, all construction work occurring within 50 feet of the find shall immediately stop until a qualified paleontologist meeting the professional standards of the Society of Vertebrate Paleontology can evaluate the significance of the find and determine whether or not additional study is warranted. If the discovery is clearly not significant, the qualified paleontologist may document the find and allow work to continue. If the discovery proves potentially significant under CEQA, additional work such as preparation of a paleontological treatment plan and paleontological monitoring may be warranted at the direction and discretion of the qualified paleontologist.

Should you have any questions relating to this report and its findings please contact Michael Williams (mwilliams@dudek.com).

Respectfully Submitted,

Michael Williams, Ph.D.
Paleontologist
Mobile: 225.892.7622
Email: mwilliams@dudek.com

Att.: Attachment A- SDNHM Paleontological Records Search Results
cc: Sarah Siren, Dudek
Kristen Stoner, Dudek

References

Abbott, P.L. 1999. The Rise and Fall of San Diego: 150 Million Years of History Recorded in Sedimentary Rocks. San Diego, California: Sunbelt Publications.

California Geological Survey (CGS). 2002. California Geomorphic Provinces: Note 36. 4 pp.

Cohen, K.M., S.C. Finney, P.L. Gibbard, and J.-X. Fan. 2023. "The ICS International Chronostratigraphic Chart." Episodes 36: 199––204. 2013; updated. Available at: https://stratigraphy.org/ICSchart/ChronostratChart2022-02.pdf.

Morton, D.M. and F.K. Miller. 2006. Geologic Map of the San Bernardino and Santa Ana 30-minute x 60-minute quadrangles, California, Geology and Description of Map Units, Version 1.0: U.S. Geological Survey, Open-File Report OF-2006-1217. 194 pp.

NorCal Engineering 2024. Updated Geotechnical Engineering Investigation for the Proposed Industrial Warehouse Development, Santee California. Project Number 23559-22. Dated: March 20, 2024.

Society of Vertebrate Paleontology (SVP). 2010. Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources. Available: https://vertpaleo.org/wp-content/uploads/2021/01/SVP_Impact_Mitigation_Guidelines.pdf.

Todd, V.R., Alvarez, R.M., and Techni Graphic Systems, Inc., 2004. Preliminary geologic map of the El Cajon 30' X 60' quadrangle, southern California: U.S. Geological Survey, Open-File Report OF-2004-1361, scale 1:100,000

.

Attachment A

San Diego Natural History Museum
Records Search Results

21 April 2023

Jason Collins
Dudek
605 3rd Street
Encinitas, CA 92024

RE: Paleontological Records Search – PN15138 Santee Warehouse Project

Dear Mr. Collins:

This letter presents the results of a paleontological records search conducted for the Santee Warehouse Project (Project), located in the City of Santee in southwestern San Diego County, California. The Project is bound to the north by Los Coches Creek and to the east, south, and west by commercial development. The Project site also includes a driveway connecting the parcel to North Woodside Avenue (Figure 1).

Methods

A review of published geological maps covering the Project site and surrounding area was conducted to determine the specific geologic units underlying the Project site. Each geologic unit was subsequently assigned a paleontological resource sensitivity (Deméré and Walsh, 1993). In addition, a search of the paleontological collection records housed at the San Diego Natural History Museum (SDNHM) was conducted in order to determine if any documented fossil collection localities occur within the Project site or in the immediate surrounding area.

Results

Published geological reports (e.g., Todd, 2004) covering the Project area indicate that the proposed Project has the potential to impact Holocene-age alluvial deposits and Early Cretaceous-age intrusive igneous rocks. These geologic units and their paleontological sensitivity are summarized below. The SDNHM does not have any recorded fossil localities that lie within one mile of the Project site.

Young alluvial flood plain deposits – Late Pleistocene- to Holocene-age (less than approximately 129,000 years old) young alluvial flood plain deposits underlie the northern margin of the Project site at the surface. These deposits consist of unconsolidated sandy, silty, or clay-bearing alluvium deposited by the action of recently active streams. These deposits are assigned a low paleontological sensitivity based on their relatively young geologic age and lack of recorded fossil collection localities (Deméré and Walsh, 1993).

Alluvial deposits, undivided – Late Pleistocene- to Holocene-age (less than approximately 129,000 years old) undivided alluvial deposits underlie the majority of the Project site at the surface. These deposits consist of mixed alluvial and colluvial sediments. These deposits are assigned a low paleontological sensitivity based on their relatively young geologic age and lack of recorded fossil collection localities (Deméré and Walsh, 1993).

Intrusive igneous rocks – Early Cretaceous-age (approximately 126 million years old) intrusive igneous rocks (specifically, granitoid rocks) likely underlie the Project site in the subsurface. These rocks comprise part of the northern end of the Peninsular Ranges Batholith. Plutonic igneous rocks do not preserve fossils because they crystallize at extremely high temperatures and pressures

several miles below the earth's surface. Consequently, these rocks are assigned no paleontological sensitivity.

Summary and Recommendations

As discussed above, the Project site is underlain by young surficial deposits assigned a low paleontological sensitivity at the surface and non-fossil-bearing intrusive igneous rocks assigned no paleontological sensitivity in the subsurface. Construction-related earthwork activities (e.g., grading, trenching) are not anticipated to result in significant impacts to paleontological resources, and therefore paleontological monitoring is not recommended during construction of this Project.

If you have any questions concerning these findings, please feel free to contact me at kmueller@sdnhm.org.

Sincerely,

Kirstin Mueller
Assistant Report Writer
San Diego Natural History Museum

Enc: Figure 1 – Project map

Literature Cited

Deméré, T.A., and S.L. Walsh. 1993. Paleontological Resources, County of San Diego. Unpublished technical report prepared for the San Diego County Department of Public Works: 1–68.

San Diego Natural History Museum (SDNHM), unpublished paleontological collections data.

Todd, V.R. 2004. Preliminary geologic map of the El Cajon 30' x 60' quadrangle, southern California. USGS Open-File Report 2004-1361.

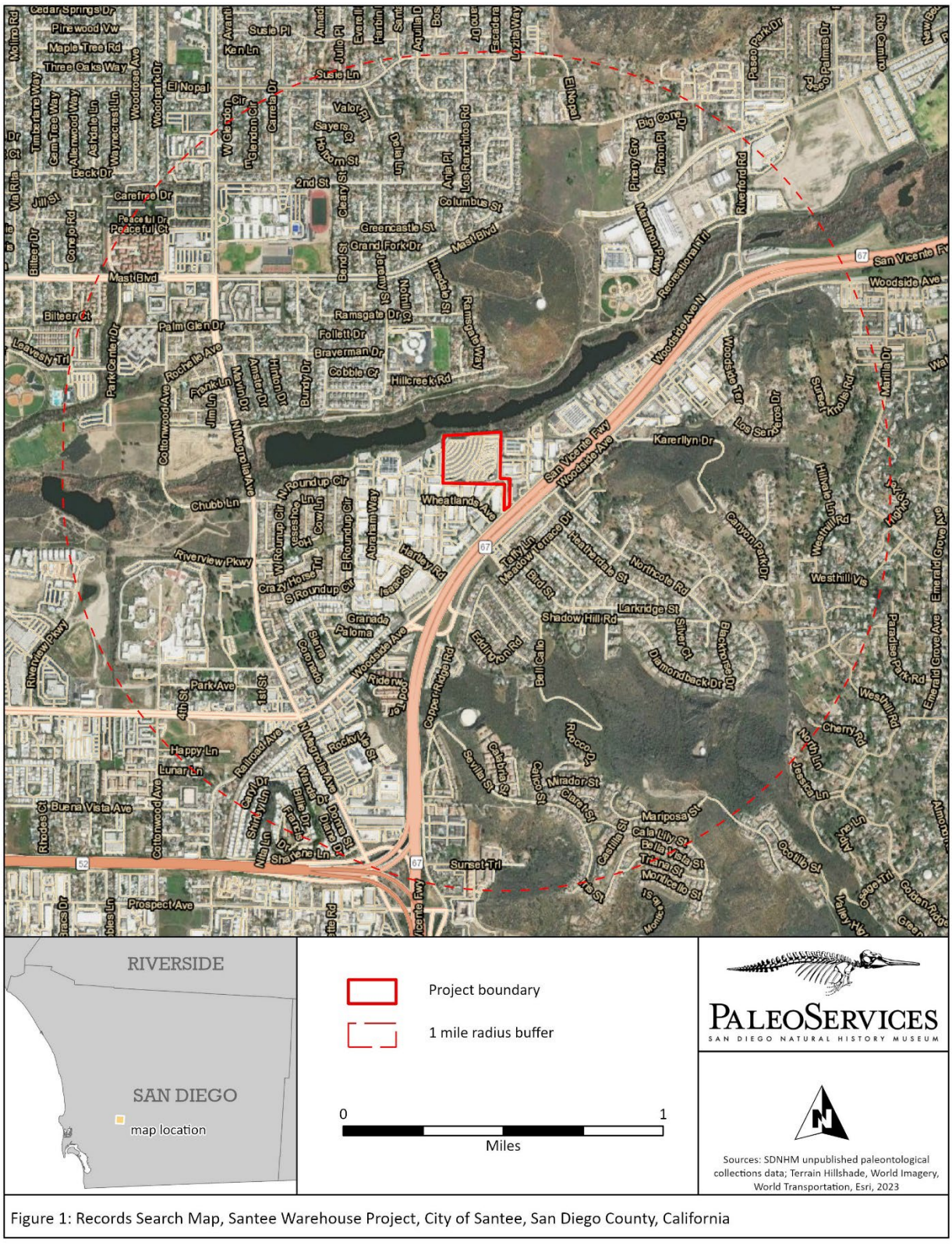


Figure 1: Records Search Map, Santee Warehouse Project, City of Santee, San Diego County, California

Appendix I

Phase I Environmental Site Assessment

PHASE I ENVIRONMENTAL SITE ASSESSMENT

10990 North Woodside Avenue
Santee, California 92071

Prepared for:

North Palisade Partners, LLC
1330 Factory Place, Suite 105
Los Angeles, California 90013

Prepared by:

Hazard Management Consulting, Inc.
211 W. Avenida Cordoba, Suite 200
San Clemente, CA 92672
(949) 361-3902

October 17, 2022

TABLE OF CONTENTS

EXECUTIVE SUMMARY III

1. INTRODUCTION 1

1.1. Objective 1
1.2. Scope of Services, Methodology and Limitations 2

2. SITE DESCRIPTION 3

2.1. Site Setting 3
2.2. Regional Geology and Hydrogeology 4

3. INTERVIEWS AND USER PROVIDED INFORMATION 4

3.1. Title Records 4
3.2. User Knowledge 5
3.3. Owner/Occupant Knowledge 5
3.4. Environmental Liens or Activity and Use Limitations 5

4. SITE USE AND HISTORY 5

4.1. Aerial Photograph Review 5
4.2. Topographic Maps 6
4.3. Sanborn Maps 6
4.4. EDR City Directory Review 7
4.5. Summary 7

5. PRIOR INVESTIGATIONS 7

6. SITE RECONNAISSANCE 7

6.1. Site Vicinity 9

7. REGULATORY AGENCY DATABASE RESEARCH 9

7.1. Database Records Concerning the Target Property 10
7.2. Database Records Concerning the Site Vicinity 10
7.3. Summary of Off-Site Issues 11

8. LOCAL AGENCY AND OTHER RECORDS REVIEW 12

8.1. Tribal Records 12
8.2. Oil and Gas Wells 12

8.3. State of California 12
8.4. San Diego County Department of Environmental Health 12
8.5. City of San Diego 12
8.6. San Diego County Air Pollution Control District 12

9. VAPOR INTRUSION, ASBESTOS AND OTHER CONCERNS 13

9.1. Vapor Intrusion 13
9.2. Asbestos Containing Materials 13
9.3. Lead Based Paint 13
9.4. Radon 13
9.5. Mold 13

10. SUMMARY OF ESA FINDINGS 13

11. DATA GAPS 14

12. CONCLUSIONS 14

13. RECOMMENDATIONS 14

14. QUALIFICATIONS 15

15. REFERENCES 16

TABLES
Table 1 EDR Records Summary

FIGURES
Figure 1 Site Location
Figure 2 Site & Vicinity Map

APPENDICES
A - Site Photographs
B - EDR Historical Reports
C - Supporting Documents

Executive Summary

Hazard Management Consulting, Inc. (HMC) is pleased to submit this Environmental Site Assessment (ESA) for the property referenced above in the City of Santee, California (Site) (Figures 1 & 2). This ESA was prepared to evaluate the Site for potential Recognized Environmental Conditions (RECs) that may be present and was conducted as part of your due diligence efforts to acquire the Site. The Site has been assigned Assessor's Parcel Number 3810-705-200 and measures approximately 13.38-acres containing the Santee Drive In Theatre. The Santee Swap Meet also utilizes the Site on weekends. Historically, the Site was used for agriculture until the 1950's.

The Site is relatively flat with an elevation of approximately 355 feet above mean sea level (msl) with a regional slope to the west southwest. The Site is located in the City of Santee, San Diego County and is set in an industrial use area located on the north side on North Woodside Avenue.

The Site is bound:

- to the north by the San Diego River;
- on the east by an auto body shop (10996 N. Woodside Ave.) auto detailing shop (9444 Mission Park Pl.), specialty heating and furnace manufacturer (11015 Mission Park Pl.), and a steel fabricator (9484 Mission Park Pl.);
- to the south by an auto body shop (10910 Wheatlands Ave.), auto supply shop (10928 Wheatlands Ave.), a machine shop (10940 Wheatlands Ave.), and a brewery/distillery (10960 Wheatlands Ave.); and,
- to the west by a metal fabricator (9425 Wheatlands Ct.) and two multitenant warehouses (9435 and 9437 Wheatlands Ct.).

Key findings of the Phase I ESA are as follows:

- The Site was first seen to have been agricultural land as late as the 1950's until the drive-in theatre was developed at the Site in mid-1960's. The Site was portrayed as vacant land as early as 1893 in the topographic map review. The Site remains in use as a drive-in theatre and swap meet today;
- The Site vicinity was also noted with vacant and agricultural land since the earliest records. Industrial and residential development in the Site vicinity was first seen in 1964. Since this time, the immediate Site vicinity has been observed with

industrial development with the exception of the San Diego River, north adjacent to the Site, as well as peripheral residential development. The Site vicinity remains in these uses today;

- During the Site reconnaissance, HMC observed the drive-in theatre/swap meet facility. A small amount of chemical storage for the maintenance for the Site was observed. The most notable observation included diminimus staining on asphalt surfaces. The stains appeared to result from leaking vehicles parked at the facility as well as food and drinks spills;
- Based on the review of the available regulatory information, the Site is located in an area with a history of industrial uses since the 1960's. Facilities in the Site vicinity were noted to use and store chemicals without evidence of release with the exception of a closed case for a release of oil from the east adjacent facility known as Western Construction Components. The case was closed in 1997;
- Per the findings of this investigation, it is HMC's opinion that there is a low likelihood of a vapor intrusion condition at the Site; and,
- Given the age of the structure at the Site, ACMs and/or LBPs may be present at the Site.

Conclusions

We have performed a Phase I Environmental Site Assessment in accordance with ASTM E1527-13 Guidelines for the property located at 10990 North Woodside Avenue in Santee, California. **No RECs, CRECs, or HRECs were identified at the Site**. The staining observed at the Site was de minimis to minor and considered an "issue of note".

While not RECs per ASTM definitions, ACMs and/or LBPs may present a hazard at the Site.

Recommendations

Based on the findings of this ESA, HMC recommends:

- The Owner and/or current tenant remove all chemicals, equipment, and vehicles from the Site prior to a transfer of property; and,
- Conduct ACM and LBP surveys at the Site, prior to any activities that may disturb suspect materials.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

10990 North Woodside Avenue Santee, California 92071

1. INTRODUCTION

Hazard Management Consulting, Inc. (HMC) is pleased to submit this Environmental Site Assessment (ESA) for the property referenced above in the City of Santee, California (Site) (Figures 1 & 2). This ESA was prepared to evaluate the Site for potential Recognized Environmental Conditions (RECs) that may be present and was conducted as part of your due diligence efforts to acquire the Site. The Site has been assigned Assessor's Parcel Number 3810-705-200 and measures approximately 13.38-acres containing the Santee Drive In Theatre. The Santee Swap Meet also utilizes the Site on weekends. Historically, the Site was used for agriculture until the 1950's.

The Site is relatively flat with an elevation of approximately 355 feet above mean sea level (msl) with a regional slope to the west southwest. The Site is located in the City of Santee, San Diego County and is set in an industrial use area located on the north side on North Woodside Avenue.

1.1. Objective

In accordance with the ASTM E 1527-13 Standard Practice for Environmental Site Assessments, the objective of the ESA is to assess, to the extent feasible under the standard, the likelihood that Recognized Environmental Conditions (RECs), as defined by ASTM, are present at the Site.

A Recognized Environmental Condition "means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies" (ASTM Standard Practice E1527-13). Performance of a Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for Recognized Environmental Conditions in connection with a property, within reasonable limits of time and cost.

All Appropriate Inquires (AAI) as defined in the Final Rule (40 CFR, Part 312), must be conducted by persons seeking the landowner liability protections under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) prior to acquiring a property or seeking or receiving federal brownfields grants under the authorities of CERCLA. The purpose of AAI, as defined in the AAI Final Rule, is to identify releases and threatened releases of hazardous substances, which cause or threaten to cause the incurrence of response costs. The U.S. Environmental Protection Agency (EPA) has stated that ASTM Standard E-1527-13 is consistent with the Standards and Practices for AAI and is compliant with the statutory criteria for AAI.

1.2. Scope of Services, Methodology and Limitations

The findings of this ESA must be viewed in recognition of certain limiting conditions. The scope of work commissioned for this project does not represent an exhaustive study, but rather a reasonable inquiry, consistent with good commercial practice, in general accordance with ASTM Practice E-1527-13.

The scope of work for this ESA included the following activities:

- A Site walk to document the current condition of the Site and neighboring facilities.
- Review of a regulatory database report.
- Review of previously prepared reports for the Site.
- Submittal of questionnaires to the current Owner and User of the report.
- Review of historical references including aerial photographs, city directories, Sanborn Maps and topographic maps.
- On-line research and file review requests concerning the Site and suspect off-Site sources at the State of California Regional Water Quality Control Board (RWQCB) and Department of Toxic Substances Control (DTSC) websites.
- Public records requests submitted to the City of Santee.
- Public records requests submitted to by the San Diego County Department of Environmental Health.

- Public records requests submitted to the San Diego County Air Pollution Control District.

- Preparation of this report of findings.

In the course of this assessment, HMC has relied on information provided by outside parties, such as regulatory agencies, previous reports and interview sources. For the purpose of this assessment, such third-party information is assumed to be accurate unless contradictory evidence is noted, and HMC does not express or imply any warranty regarding information provided by third-party sources.

2. SITE DESCRIPTION

2.1. Site Setting

The Site is an approximately 13.38-acres parcel. The Site is relatively flat with an elevation of approximately 355 feet above mean sea level (msl) with a regional slope to the west southwest. The Site is located in the City of Santee, San Diego County and is set in an industrial use area located on the north side on North Woodside Avenue.

The Site is bound:

- to the north by the San Diego River;
- on the east by an auto body shop (10996 N. Woodside Ave.) auto detailing shop (9444 Mission Park Pl.), specialty heating and furnace manufacturer (11015 Mission Park Pl.), and a steel fabricator (9484 Mission Park Pl.);
- to the south by an auto body shop (10910 Wheatlands Ave.), auto supply shop (10928 Wheatlands Ave.), a machine shop (10940 Wheatlands Ave.), and a brewery/distillery (10960 Wheatlands Ave.); and,
- to the west by a metal fabricator (9425 Wheatlands Ct.) and two multitenant warehouses (9435 and 9437 Wheatlands Ct.).

Utilities in the Site vicinity are provided by:

- Water: Padre Dam Municipal Water District
- Electricity: San Diego Gas & Electric
- Gas: San Diego Gas & Electric
- Sewer: Padre Dam Municipal Water District

2.2. Regional Geology and Hydrogeology

The Site lies within the San Diego River Valley Groundwater Basin which consists of alluvium deposited by the San Diego River and its tributaries. The basin is surrounded by contacts with semi-permeable rocks of the Eocene Poway Group, impermeable Cretaceous crystalline rock, and impermeable Jurassic to Cretaceous Santiago Peak volcanic rocks. Average annual precipitation ranges from 11 to 15 inches.

Quaternary alluvial deposits forms the principal water-bearing unit within the basin. The most productive portions of the alluvium are the well-sorted sands located in buried river channels, along with a layer of coarse gravel near the base of the aquifer. This gravel is thickest adjacent Moreno Valley. Well logs indicate the alluvium has more silt and clay present west of the town of Santee. In more productive parts of the alluvium, wells yield up to 2,000 gallons per minute. Alluvium thickness exceeds 200 feet near Lakeside but typically is about 70 feet. Specific yields range from 5 to 22 percent in the alluvium.

A groundwater monitoring report for a nearby facility reported groundwater to have been measured between approximately 29 and 33 feet bgs. Groundwater flow direction has been reported to the west southwest at a hydraulic gradient ranging between approximately 0.001 and 0.004 feet per foot.

3. INTERVIEWS AND USER PROVIDED INFORMATION

The User of this report is North Palisade Partners who is looking to acquire the Site and would be considered a “User” of the report per ASTM definitions. We requested all available information from the User.

3.1. Title Records

A Preliminary Title Report (PTR) prepared by Chicago Title Company dated September 21, 2022 was provided to HMC for review. The PTR stated that Title was vested in The Forte Family Limited Partnership, a California limited partnership, as to Parcels 1, 2, 3, 4 and 5; and, John E. Forte, Trustee under Declaration of Trust dated April 29, 1981, as to Parcel 6. The PTR included information regarding tax obligations, mortgage liens, easements for various utilities and related matters but did not contain any information of an environmental nature.

3.2. User Knowledge

We interviewed Mr. William Jacobs of North Palisade Partners who indicated that his firm has no previous knowledge or experience with the Site and is unaware of any chemical spills, releases, or ongoing environmental matters. He indicated that they are paying full market value for the Site.

3.3. Owner/Occupant Knowledge

Mr. Troy Taylor, Project Scientist for HMC, conducted an interview with Mr. Ted Eiter, Groundskeeper of the Santee Drive In Movie Theater/ Swap Meet, during the Site reconnaissance portion of this ESA (Section 5). Mr. Eiter was unaware of any suspect uses, chemical spills, releases, or other adverse environmental matters. A recreational vehicle was located at the Site which Mr. Eiter indicated was connected to the sewer.

3.4. Environmental Liens or Activity and Use Limitations

To the best of HMC's knowledge and after review of the information provided by third parties, no environmental liens or AULs were found to be on record for the Site.

4. SITE USE AND HISTORY

Past usage of the Site was assessed through a review of historical aerial photographs, topographic maps and an EDR search of city directories and prior reports. Review of the Sanborn Map collection indicates that Sanborn Maps were not produced for the Site.

4.1. Aerial Photograph Review

Aerial photographs covering the Site were obtained from Environmental Data Resources, Inc. (EDR). Photographs were available from the period 1949 through 2016. Copies of the aerial photographs are included in Appendix B. A summary of the observations noted from the aerial photographs are as follows:

1949-53	The Site was first seen with agricultural fields. The Site vicinity was seen with agricultural fields in all directions with the San Diego River immediately north of the Site. The San Diego River was noted to be dry.
1964	The Site was first seen to have been developed into the drive-in movie theater present today. The northwestern screen and the projector house/snack bar was observed. Two industrial buildings were first seen approximately 500 feet east of the Site. A residential

	neighborhood was first seen approximately 600 feet southeast of the Site.
1966	No significant changes were observed at the Site. Two additional industrial buildings were noted immediately east of the Site. A small amount of surface water was seen in the river area slightly northeast of the Site. The 67 Freeway was first seen south of the Site.
1970	No significant changes were observed at the Site. One additional industrial building was noted immediately east of the Site. The San Diego River was noted to be full.
1979	No significant changes were observed at the Site. The land west and southwest of the Site was seen to have been cleared and building pads graded.
1985	No significant changes were observed at the Site. Approximately 17 industrial buildings were first seen west and southwest of the Site.
1989	No significant changes were observed at the Site. Additional industrial development was seen west and southwest of the Site with residential development beyond, beginning at approximately 0.25-mile from the Site
1996-2016	No significant changes were observed at the Site or Site vicinity with the exception of some additional industrial development in the Site vicinity.

4.2. Topographic Maps

Historical topographic maps were also reviewed as part of this effort and aided in interpreting the overall Site history. Although, no specific observations were made from the review of these maps. The drive-in theatre was first mapped in 1967.

4.3. Sanborn Maps

Sanborn maps are maps that were created for the insurance industry to document site activities in metropolitan areas of the country and were used in underwriting. They often times contain detailed information about a site. While they were prepared for insurance underwriting and were not environmental maps per se, they often times contain information that is useful in evaluating the historical use of a site. Sanborn maps were not reported to have been generated for the Site.

4.4. EDR City Directory Review

EDR performed a search of the City Directory records for the Site addresses provided at the initiation of this Phase I ESA and nearby properties at approximately five-year intervals.

26811 W. 5th St.	
Year	**Use**
1971-2017	Santee Drive In Theatre Santee Swap Meet

4.5. Summary

The Site was first seen to have been agricultural land as late as the 1950's until the drive-in theatre was developed at the Site in mid-1960's. The Site was portrayed as vacant land as early as 1893 in the topographic map review. The Site remains in use as a drive-in theatre and swap meet today.

The Site vicinity was also noted with vacant and agricultural land since the earliest records. Industrial and residential development in the Site vicinity was first seen in 1964. Since this time, the immediate Site vicinity has been observed with industrial development with the exception of the San Diego River, north adjacent to the Site, as well as peripheral residential development. The Site vicinity remains in these uses today.

5. PRIOR INVESTIGATIONS

To the best of HMC's knowledge, no prior investigations have been conducted at the Site.

6. SITE RECONNAISSANCE

Mr. Troy Taylor of HMC conducted a Site and Site vicinity reconnaissance on October 4, 2022. The reconnaissance was conducted in order to identify visible evidence of RECs at the Site and to assess possible conditions off-Site that may impact the Site. Mr. Taylor was granted access to the Site by Mr. Eiter but was otherwise unaccompanied during the Site reconnaissance.

The Site was observed to be an asphalt paved lot with a two story snack bar and projector house in the approximate center of the Site, projector screens located in the northwest and southeast, and ticket booths in the east. Two storage containers were located west

of the snack bar and one below the southeastern screen. A recreational vehicle (RV) trailer and maintenance equipment were also stored beneath the southeast screen. The RV was noted with sanitary waste piping which was connected to the sewer.

Chemicals observed at the Site included cleaning supplies, asphalt resurfacing material, gasoline, lubricants, and paint. Staining was observed on the asphalt surfaces at the Site, some noted to likely be from leaky vehicles parked at the drive-in and/or swap meet. Some stains observed were likely the result of food and drink spills by theatre/swap meet patrons. The oil stains ranged from de minimis to minor.

Given the age of the Site, asbestos containing materials and lead based paint may be present at the Site. It is recommended that surveys for these materials are conducted at the Site, prior to any activities that may disturb suspect materials.

Selected photographs illustrating the Site and nearby off-Site conditions are included in Appendix A. Summaries of the Site and observations are detailed below.

Description and Use of Site:	The Site was noted to be a drive-in movie theatre and swap meet facility.
Underground and Aboveground Storage Tanks:	No evidence of UST or AST uses were observed at the Site.
Hazardous Materials, Hazardous Wastes or Petroleum Products:	Chemicals observed at the Site included cleaning supplies, asphalt resurfacing material, gasoline, lubricants, and paint.
Drains, Drain Lines, and Sumps:	Drainage features observed at the Site included typical sanitary receptors as well as floor drains and floor sinks in the snack bar area.
Pits, Ponds, Lagoons	These features were not observed at the Site.
Industrial Wastewater:	Industrial wastewater was not observed to be generated during the Site reconnaissance however it is assumed that wastewater is generated during food preparation activities in the snack bar.

Stains:	De minimis to minor oil staining was observed on the asphalt surfaces of the Site. Stains related to food and drink spills were also seen.
Wells:	No wells were observed at the Site.
Transformers:	A drop transformer was observed on the first floor of the snack bar with no evidence of a release.
Other Features:	Suspect ACMs and LBP may be present at the Site.

6.1. Site Vicinity

The Site is bound:

- to the north by the San Diego River;
- on the east by an auto body shop (10996 N. Woodside Ave.) auto detailing shop (9444 Mission Park Pl.), specialty heating and furnace manufacturer (11015 Mission Park Pl.), and a steel fabricator (9484 Mission Park Pl.);
- to the south by an auto body shop (10910 Wheatlands Ave.), auto supply shop (10928 Wheatlands Ave.), a machine shop (10940 Wheatlands Ave.), and a brewery/distillery (10960 Wheatlands Ave.); and,
- to the west by a metal fabricator (9425 Wheatlands Ct.) and two multitenant warehouses (9435 and 9437 Wheatlands Ct.).

From a visual perspective, there were no threats assessed from off-Site facilities.

7. REGULATORY AGENCY DATABASE RESEARCH

Regulatory agency database information was obtained from a standard radius Site Assessment (ASTM) report by Environmental Data Resources, Inc. The center of the search was in the approximate center of the Site. Search distances for specific databases were one-quarter to one mile as specified in the ASTM 1527-13 standard. The database search includes over 70 federal, state, local, and proprietary records. A complete copy of this report is included in Appendix B.

7.1. Database Records Concerning the Target Property

The Site was not listed with records in the databases searched as part of the EDR Radius research.

7.2. Database Records Concerning the Site Vicinity

We reviewed the database report for off-Site potential sources within the relevant search distance. In review of the many entries on the database, we reviewed the following factors that affect the ability of a facility to affect the Site:

- Distance from the Site,
- Location from the Site with regard to the direction of groundwater flow,
- Nature of the release and whether the release has affected soil, groundwater or both,
- Status of the investigation (e.g. open or closed)

Groundwater was reported to generally flow to the west southwest in the Site vicinity, therefore facilities located adjacent to or to the east northeast were further considered. Only those facilities judged using these factors are discussed below. The following presents a summary of our findings:

Location	Address	Dist.	Dir.	Lists	REC	RATIONALE
C&H Auto Body & Paint	10996 Woodside Ave. N.	103'	SE	CERS HAZ WASTE EMI CERS HWTS RCRA LISTINGS	NO	This automotive repair facility was reported as a RCRA generator without specific details. There were no records indicating chemical releases.
DS Fibertech Corporation	11015 Mission Park Pl.	170'	E	RCRA LISTINGS	NO	The facility was noted as a furnace and oven manufacturer. No evidence of suspect chemical use or chemical releases were found in the records.
Ketema Process Co., c/o Baker Process	9884 Mission Park Place	306'	ENE	ENVIROSTOR	NO	This facility was listed in the records with tiered permitting per a DTSC Phase I investigation and no action was required in 1998. There was no information for the tiered permitting however no releases or violations were reported.

Altech Machining Inc.	11000 N. Woodside Ave.	282'	ESE	HMMD SAN DIEGO CERS HAZ WASTE CERS RCRA LISTINGS	NO	This machining and manufacturing facility was noted with waste streams that included hydrocarbons solvents stored between two tanks. It was not indicated if the tanks were above or below ground. There were no records of releases of chemicals.
Western Construction Components	9884 Mission Park Place	306'	ENE	CPS-SLIC HMMD SAN DIEGO EMI HAZNET NPDES CIWQS CERS HWTS RCRA LISTINGS FINDS ECHO SAN DIEGO CO. SAM CERS HAZ WASTE RCRA NONGEN/NLR	NO	This facility was reported as a metal fabrication facility. A clean-up was conducted at this facility for releases of oil reported to only have affected soil. The case was overseen by the San Diego County Local Oversight Program and the RWQCB. The case was closed in 1997. No documents of the clean-up were available in the RWQCB Geotracker case file. Since this time this facility was reported with waste streams including hydrocarbon and oxygenated solvents as well as acidic solutions with metals. No additional reports of releases were found.

Orphan Sites

Orphan Sites are those properties that are included on various agency lists, but for which the records do not have sufficient address information for the database program to map the site. No orphan sites identified in the EDR Radius report appear to be in the Site vicinity and/or of a location or nature to have adversely affected the Site.

7.3. Summary of Off-Site Issues

Based on the review of the available regulatory information, the Site is located in an area with a history of industrial uses since the 1960's. Facilities in the Site vicinity were noted to use and store chemicals without evidence of release with the exception of a closed case for a release of oil from the east adjacent facility known by Western Construction Components. The case was closed in 1997.

8. LOCAL AGENCY AND OTHER RECORDS REVIEW

8.1. Tribal Records

The Site is not located in a tribal area therefore there were no tribal records to review.

8.2. Oil and Gas Wells

The State of California Department of Conservation, Geologic Energy Management Division (CalGEM) online mapping website was reviewed for the location of active, plugged, or abandoned oil and gas wells in the vicinity of the Site. No oil or gas wells were listed as having been drilled on-Site. The nearest oil and gas well is an idle well located approximately 13,400 feet north of the Site.

8.3. State of California

The State of California Geotracker and EnviroStor websites were also reviewed for information on potential on or off-Site facilities that are being remediated under either RWQCB or DTSC oversight. No active cases were listed on these databases that were not listed in the EDR review.

HMC has also submitted public records requests to both agencies. No records were found by the RWQCB. The DTSC is still processing our PRR at the time of the issuance of this report.

8.4. San Diego County Department of Environmental Health

A public records request was submitted to the offices of the San Diego County DEH. The SDC DEH provided records of geotechnical boring conducted at the Site from 2008 and 2009. None of the records reported stained or odorous soil and stated no chemical analyses were completed. The records reported groundwater encountered between 23 and 24 feet.

8.5. City of San Diego

A public records request was submitted to the City of San Diego. The city reported no records for the Site.

8.6. San Diego County Air Pollution Control District

A public records request was submitted to the SDCAPCD. No records for the Site were found by the agency.

9. VAPOR INTRUSION, ASBESTOS AND OTHER CONCERNS

9.1. Vapor Intrusion

Per the findings of this investigation, it is HMC's opinion that there is low potential for a vapor intrusion condition at the Site.

9.2. Asbestos Containing Materials

Given the age of the structure at the Site, ACMs may be present at the Site.

9.3. Lead Based Paint

Given the age of the structure at the Site, LBPs may be present at the Site.

9.4. Radon

The Site is listed as being located in Zone 3 with regards to radon indicating that radon maybe present at concentrations less than 2 pico curies / liter.

9.5. Mold

No evidence of microbial growth was observed at the Site.

10. SUMMARY OF ESA FINDINGS

Key findings of the Phase I ESA are as follows:

- The Site was first seen to have been agricultural land as late as the 1950's until the drive-in theatre was developed at the Site in mid-1960's. The Site was portrayed as vacant land as early as 1893 in the topographic map review. The Site remains in use as a drive-in theatre and swap meet today;
- The Site vicinity was also noted with vacant and agricultural land since the earliest records. Industrial and residential development in the Site vicinity was first seen in 1964. Since this time, the immediate Site vicinity has been observed with industrial development with the exception of the San Diego River, north adjacent to the Site, as well as peripheral residential development. The Site vicinity remains in these uses today;
- During the Site reconnaissance, HMC observed the drive-in theatre/swap meet facility. A small amount of chemical storage for the maintenance for the Site was observed. The most notable observation included diminimus staining on asphalt

surfaces. The stains appeared to result from leaking vehicles parked at the facility as well as food and drinks spills;

- Based on the review of the available regulatory information, the Site is located in an area with a history of industrial uses since the 1960's. Facilities in the Site vicinity were noted to use and store chemicals without evidence of release with the exception of a closed case for a release of oil from the east adjacent facility known as Western Construction Components. The case was closed in 1997;
- Per the findings of this investigation, it is HMC's opinion that there is a low likelihood of a vapor intrusion condition at the Site; and,
- Given the age of the structure at the Site, ACMs and/or LBPs may be present at the Site.

11. DATA GAPS

The DTSC was still processing HMC's public records requests at the time of this report.

12. CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in accordance with ASTM E1527-13 Guidelines for the property located at 10990 North Woodside Avenue in Santee, California. **No RECs, CRECs, or HRECs were identified at the Site**. The staining observed at the Site was de minimis to minor and considered an "issue of note".

While not RECs per ASTM definitions, ACMs and/or LBPs may present a hazard at the Site.

13. RECOMMENDATIONS

Based on the findings of this ESA, HMC recommends:

- The Owner and/or current tenant remove all chemicals, equipment, and vehicles from the Site prior to a transfer of property; and,
- Conduct ACM and LBP surveys at the Site, prior to any activities that may disturb suspect materials.

14. QUALIFICATIONS

Mark S. Cousineau, NREP

Mr. Mark S. Cousineau, principal with HMC, has a diverse professional background in environmental management, which includes working as a generator, regulator, consultant, and corporate advisor in hazardous waste and other environmental issues.

Mr. Cousineau's technical background is focused in the area of overseeing large-scale environmental investigations and regulatory compliance management related to site assessments, subsurface investigations, facility surveys, and site remediation. To projects such as these, Mr. Cousineau brings expertise in evaluating complex sites and developing solutions to solve the technical, operational, regulatory, financial and timing issues. In addition, Mr. Cousineau routinely assists clients in developing environmental business plans for single assets and multi-site real estate portfolios and has designed and implemented several tenant audit programs involving the proactive management of environmental risk caused by on-site commercial and industrial tenant activities.

Mr. Cousineau has provided litigation support and has served, as a court-appointed expert on environmental issues, is a Member of the National Registry of Environmental Professionals, holds a M.S. in Environmental Sciences from California State University Fullerton and a B.S. in Chemistry from University California San Diego.

As signatory to this report, I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of this part. I have the specific qualifications based on education, training, and experience to assess the property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

Mark Cousineau, NREP
Principal

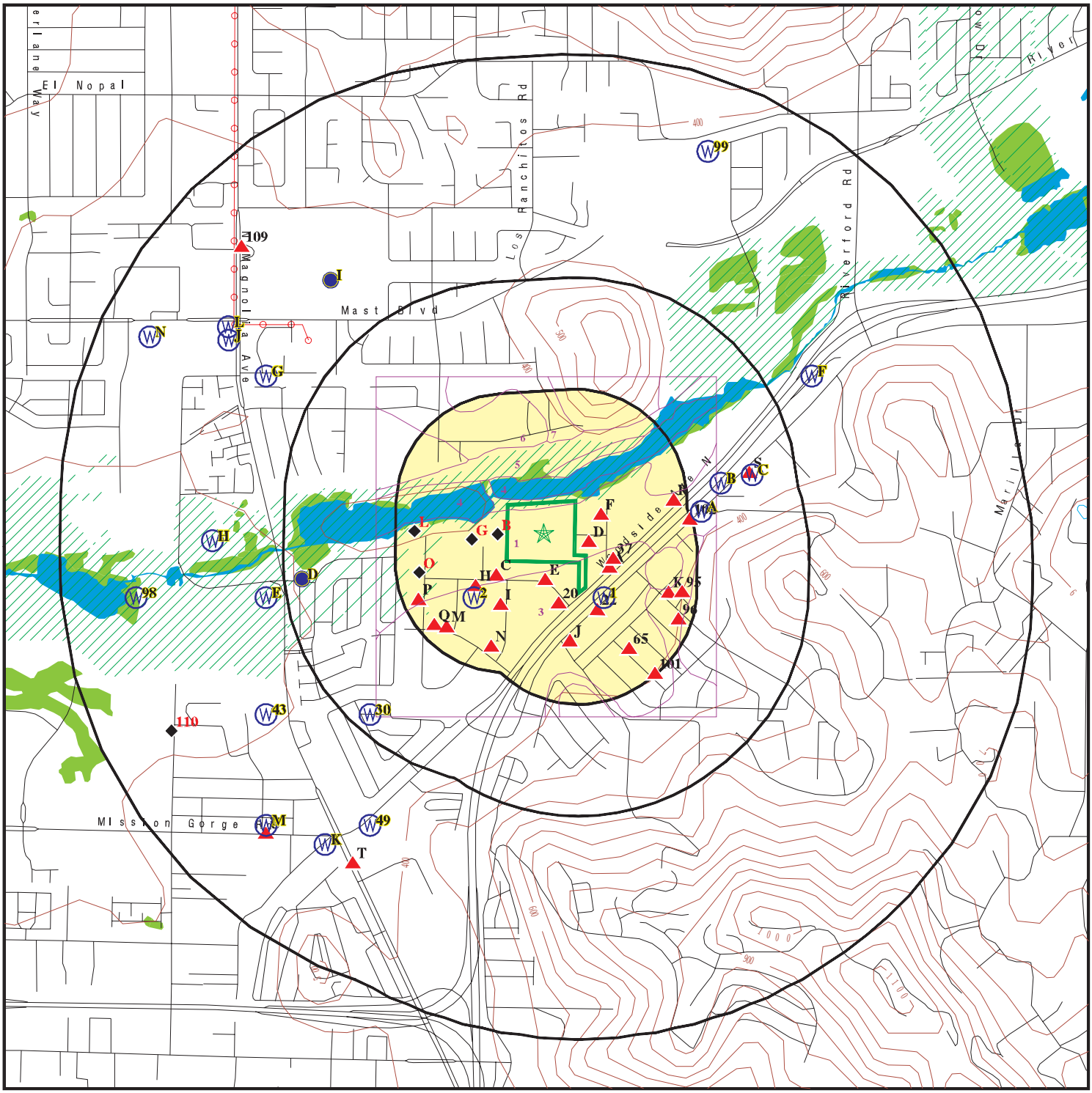
15. REFERENCES

California Department of Water Resources, California's Groundwater Bulletin 118 San Diego River Valley Groundwater Basin, February 27, 2004

SCS Engineers, Semi-Annual Groundwater Monitoring Fourth Quarter 2013 11427 Woodside Avenue Santee, California, April 4, 2014

TABLES

OVERVIEW MAP - 7126896.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 10990 WOODSIDE AVE N ADDRESS: 10990 WOODSIDE AVE N SANTEE CA 92071 LAT/LONG: 32.848148 / 116.959312	CLIENT: Hazard Management Consulting CONTACT: Troy Taylor INQUIRY #: 7126896.2s DATE: September 22, 2022 6:15 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 7126896.2S

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 10990 WOODSIDE AVE N	CLIENT: Hazard Management Consulting
ADDRESS: 10990 WOODSIDE AVE N SANTEE CA 92071	CONTACT: Troy Taylor INQUIRY #: 7126896.2s
LAT/LONG: 32.848148 / 116.959312	DATE: September 22, 2022 6:16 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		1	1	NR	NR	NR	2
RCRA-SQG	0.250		10	5	NR	NR	NR	15
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	1	NR	1
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		1	0	0	3	NR	4
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	2	NR	NR	2
SAN DIEGO CO. SAM	0.500		2	0	1	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		2	0	1	NR	NR	3
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	0	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
San Diego Co. HMMD	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		11	12	NR	NR	NR	23
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	1	NR	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HIST UST	0.250		1	2	NR	NR	NR	3
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		27	25	NR	NR	NR	52
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	1	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
SAN DIEGO CO LOP	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	60	46	6	7	0	119

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

FIGURES

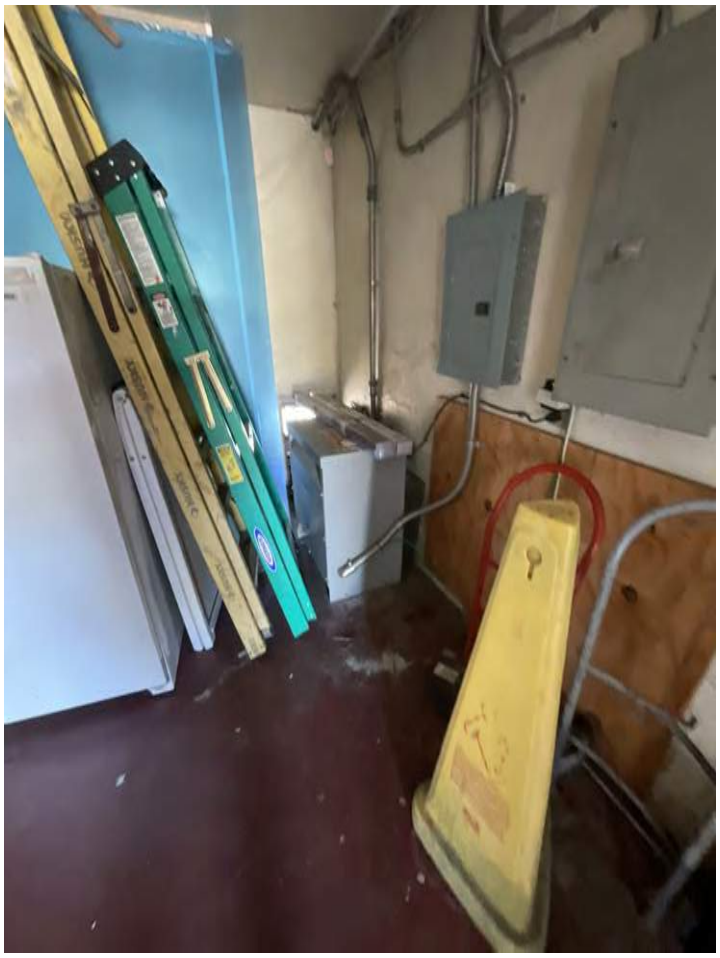
Figure 1
10990 N. Woodside Ave.
Santee, CA

HMC
HAZARD MANAGEMENT CONSULTING

Figure 1
10990 N. Woodside Ave.
Santee, CA

APPENDIX A

Santee Drive-In Theatre/ Swap Meet



Drop Transformer

Snack Bar

Floor Sink

Janitorial Supplies

Projector House

Restroom

NW Screen

View SE Across Site

Stormdrain Along Northern Border

Staining

Chemical Storage

Chemical and Supply Storage

Equipment, Vehicles, and SE Screen

RC and Sewer Connection

APPENDIX B

10990 WOODSIDE AVE N

10990 WOODSIDE AVE N

SANTEE, CA 92071

Inquiry Number: 7126896.3

September 22, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/22/22

Site Name:

10990 WOODSIDE AVE N
10990 WOODSIDE AVE N
SANTEE, CA 92071
EDR Inquiry # 7126896.3

Client Name:

Hazard Management Consulting
211 W. Avenida Cordoba
San Clemente, CA 92672
Contact: Troy Taylor

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Hazard Management Consulting were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 4831-4C78-880B

PO # NA

Project NPP - 10990 Woodside Ave. N.

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 4831-4C78-880B

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Hazard Management Consulting (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

10990 WOODSIDE AVE N

10990 WOODSIDE AVE N

SANTEE, CA 92071

Inquiry Number: 7126896.4

September 22, 2022

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

09/22/22

Site Name:

10990 WOODSIDE AVE N
10990 WOODSIDE AVE N
SANTEE, CA 92071
EDR Inquiry # 7126896.4

Client Name:

Hazard Management Consulting
211 W. Avenida Cordoba
San Clemente, CA 92672
Contact: Troy Taylor

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Hazard Management Consulting were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: NPP - 10990 Woodside Ave. N

Coordinates:

Latitude:	32.848148 32° 50' 53" North
Longitude:	-116.959312 -116° 57' 34" West
UTM Zone:	Zone 11 North
UTM X Meters:	503807.40
UTM Y Meters:	3634453.55
Elevation:	356.00' above sea level

Maps Provided:

2018	1947
2015	1942
2012	1939
1996	1903
1975	1901
1967	1893
1955	
1948	

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets

El Cajon
2018
7.5-minute, 24000

2015 Source Sheets

El Cajon
2015
7.5-minute, 24000

2012 Source Sheets

El Cajon
2012
7.5-minute, 24000

1996 Source Sheets

El Cajon
1996
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1975 Source Sheets

El Cajon
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1967 Source Sheets

El Cajon
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1955 Source Sheets

El Cajon
1955
7.5-minute, 24000
Aerial Photo Revised 1953

1948 Source Sheets

EL CAJON
1948
15-minute, 50000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1947 Source Sheets

El Cajon
1947
15-minute, 62500

1942 Source Sheets

El Cajon
1942
15-minute, 62500

1939 Source Sheets

El Cajon
1939
15-minute, 62500

1903 Source Sheets

Elcajon
1903
15-minute, 62500

El Cajon
1903
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1901 Source Sheets

Elcajon
1901
15-minute, 62500

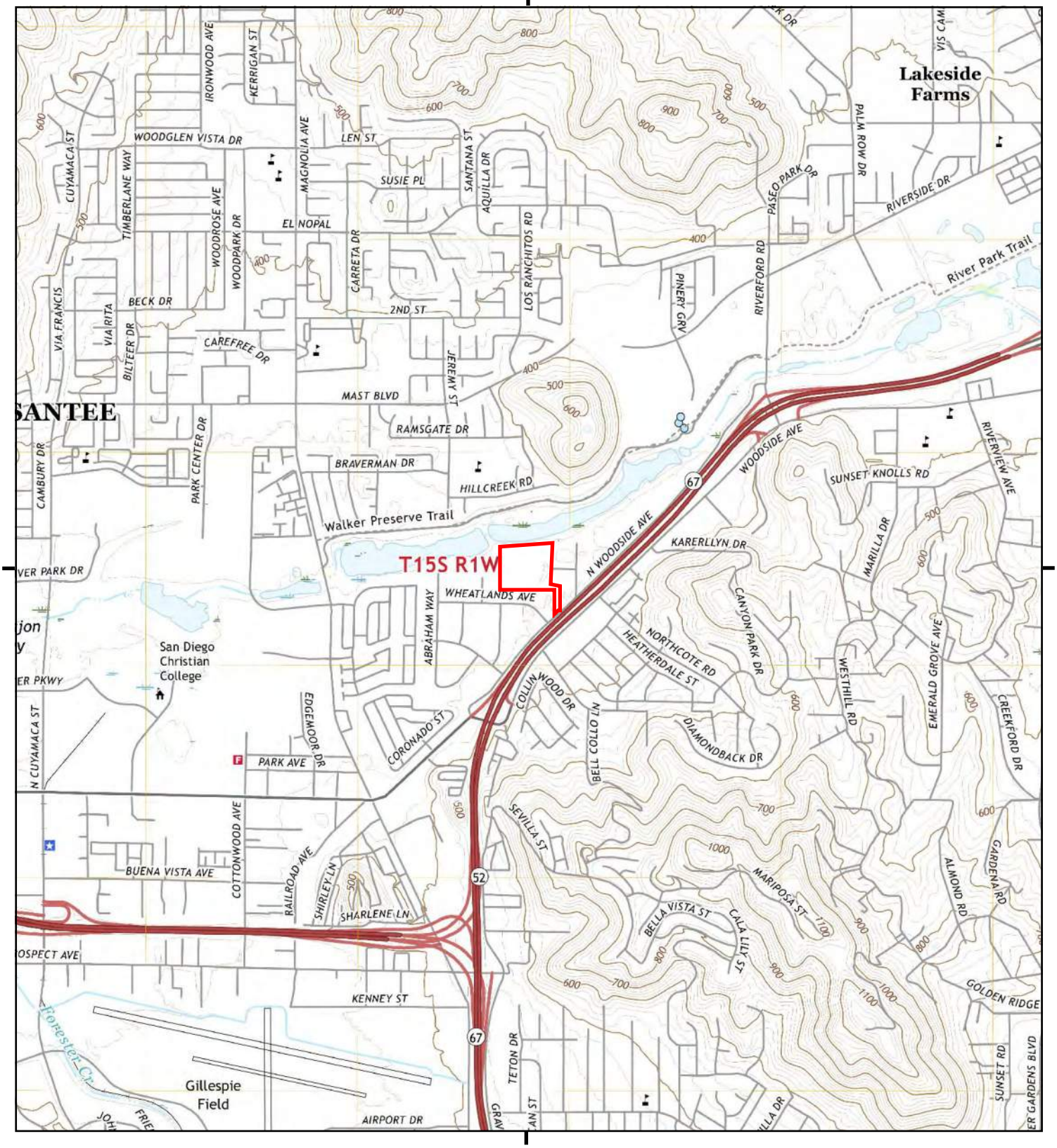
1893 Source Sheets

El Cajon
1893
15-minute, 62500

Elcajon
1893
15-minute, 62500

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

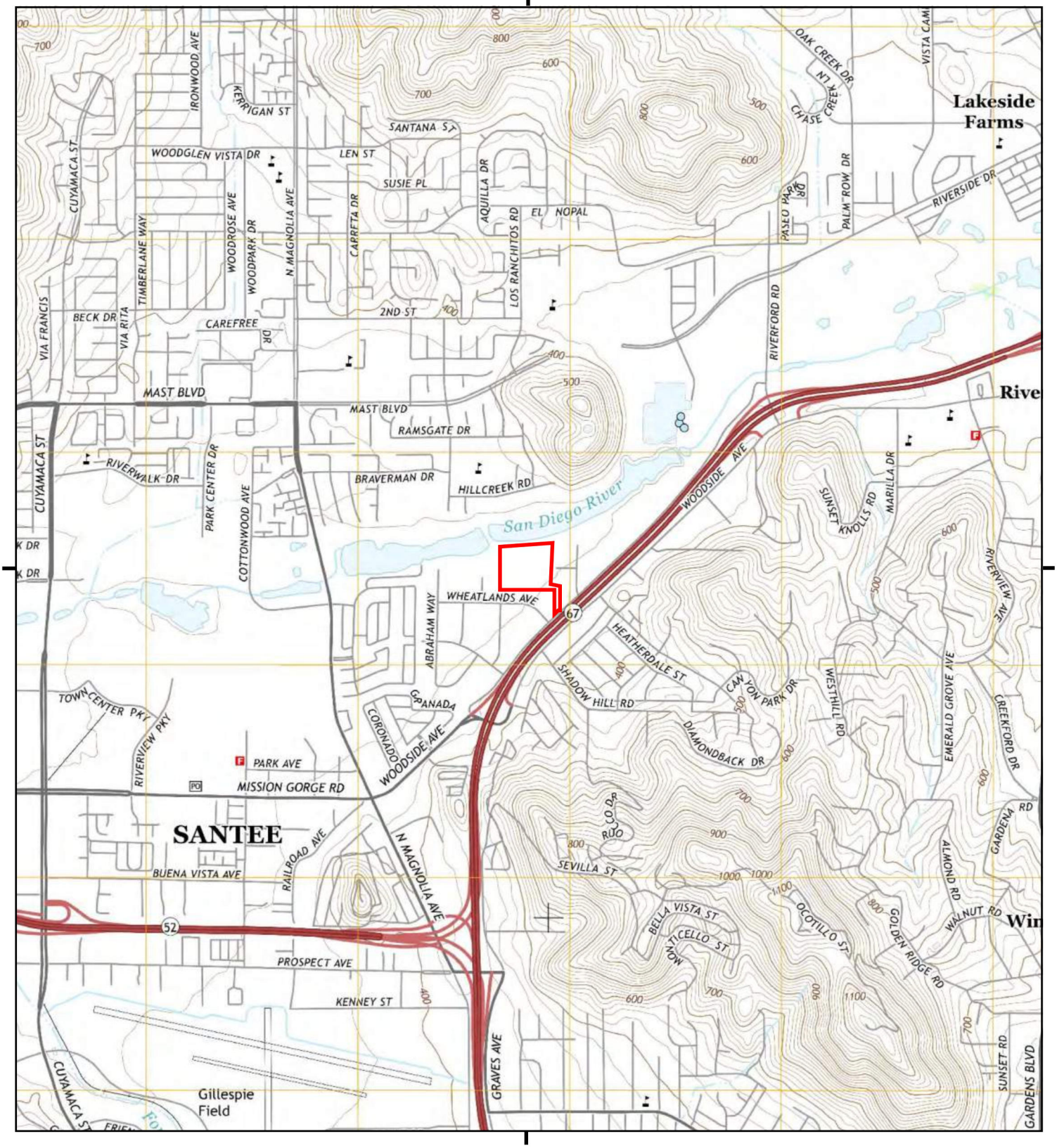
TP, El Cajon, 2018, 7.5-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

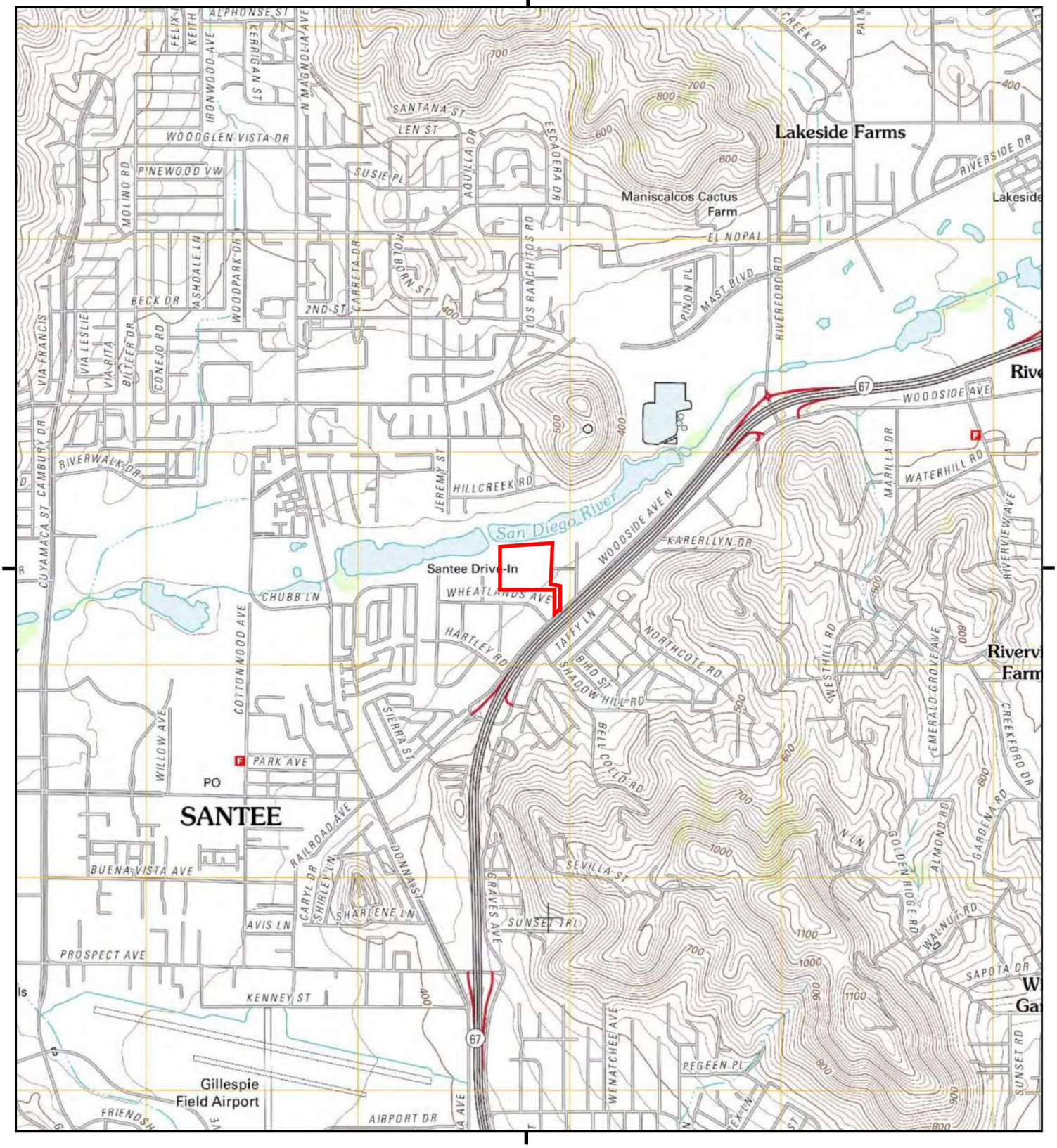
TP, El Cajon, 2015, 7.5-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

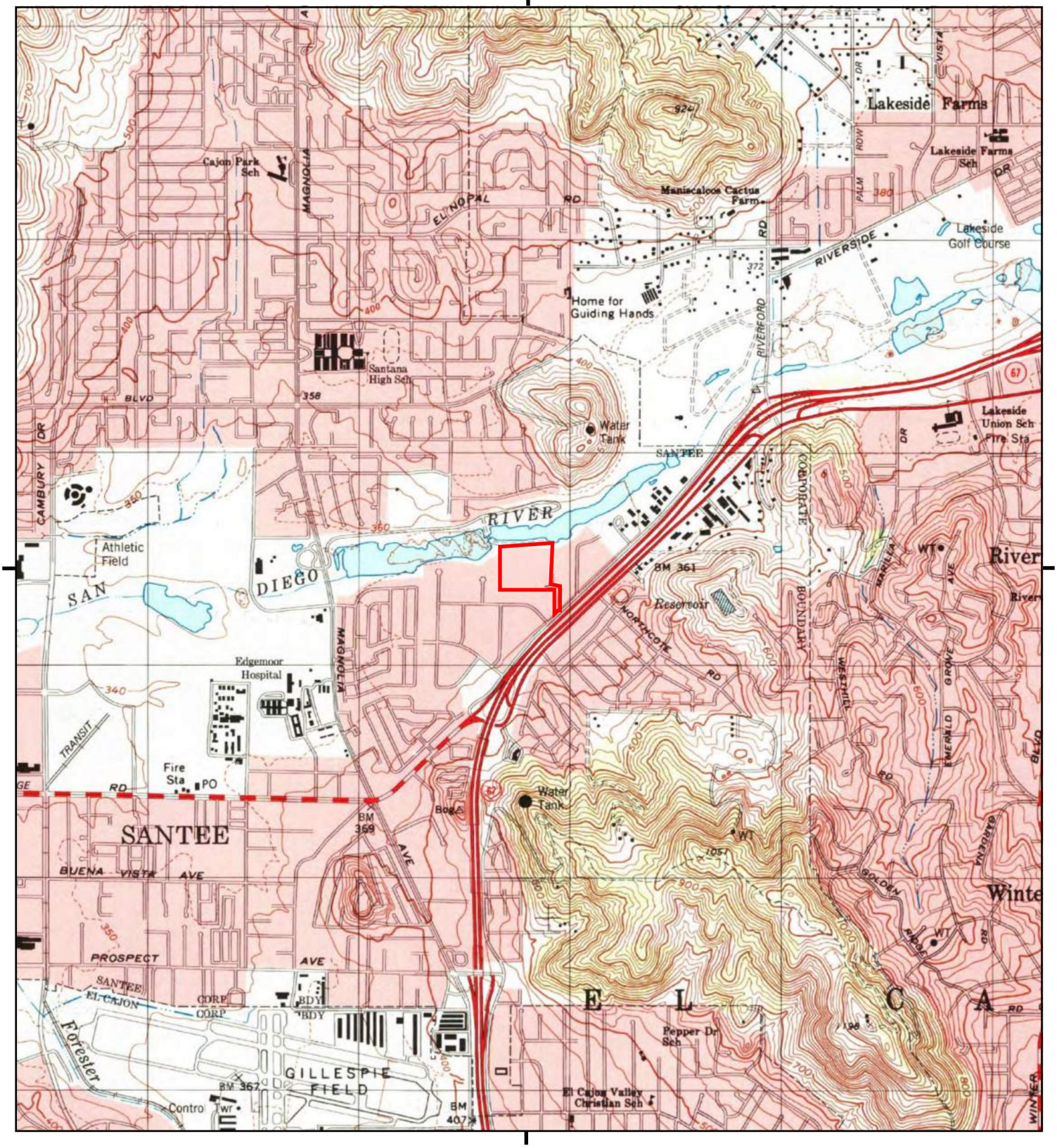
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, El Cajon, 2012, 7.5-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

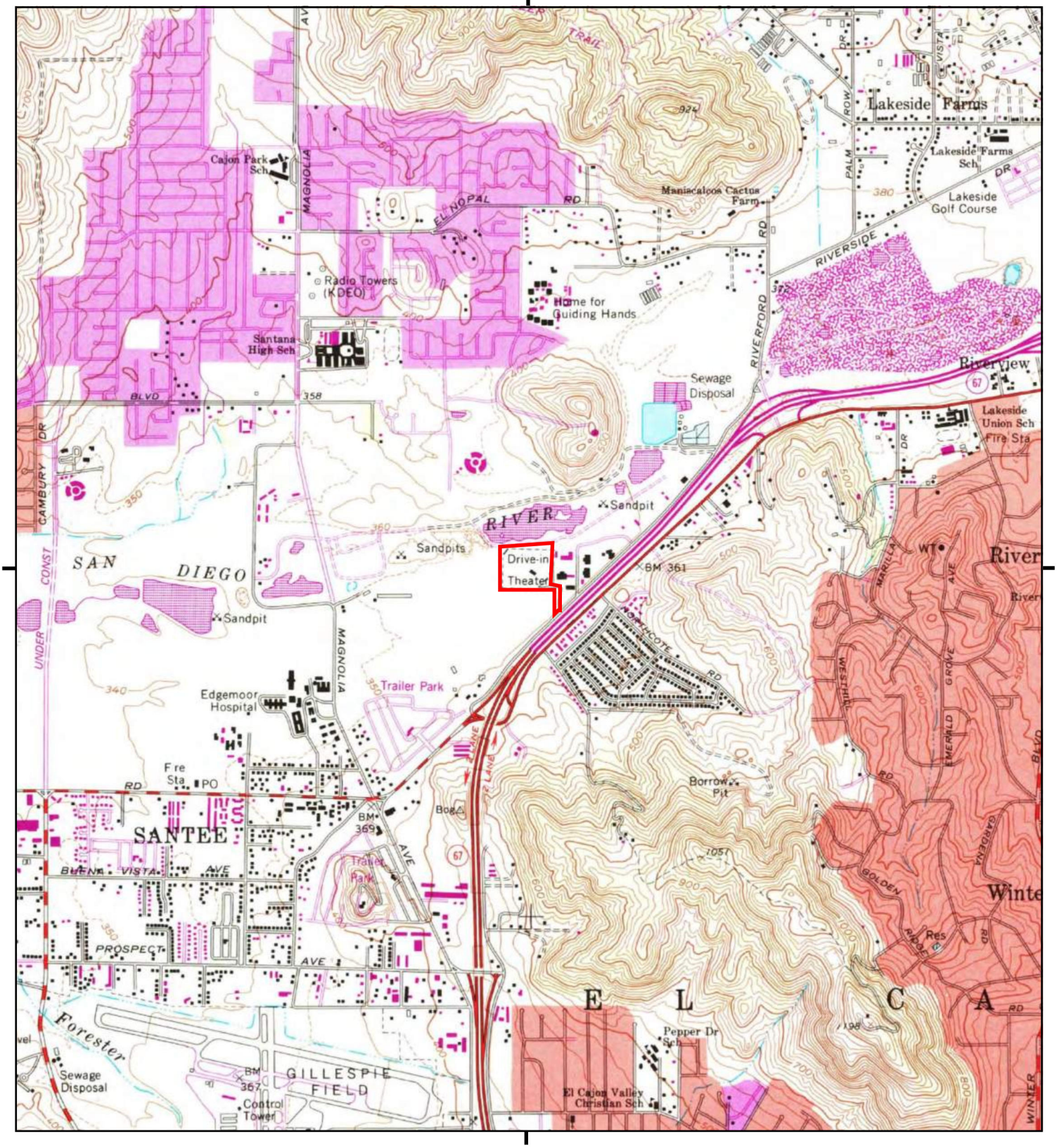
TP, El Cajon, 1996, 7.5-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N

Historical Topo Map

1975



This report includes information from the following map sheet(s).

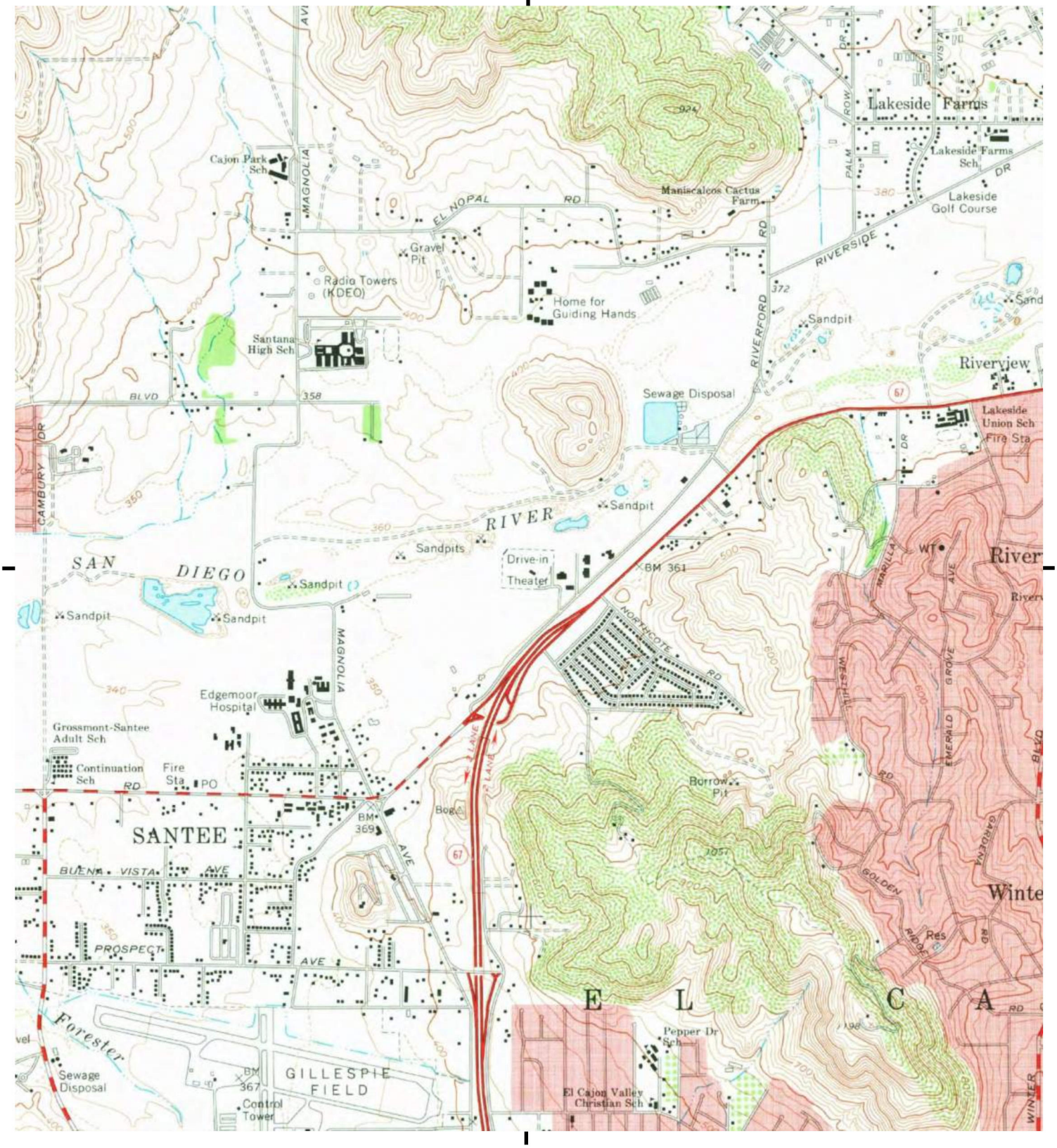
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, El Cajon, 1975, 7.5-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N



This report includes information from the following map sheet(s).

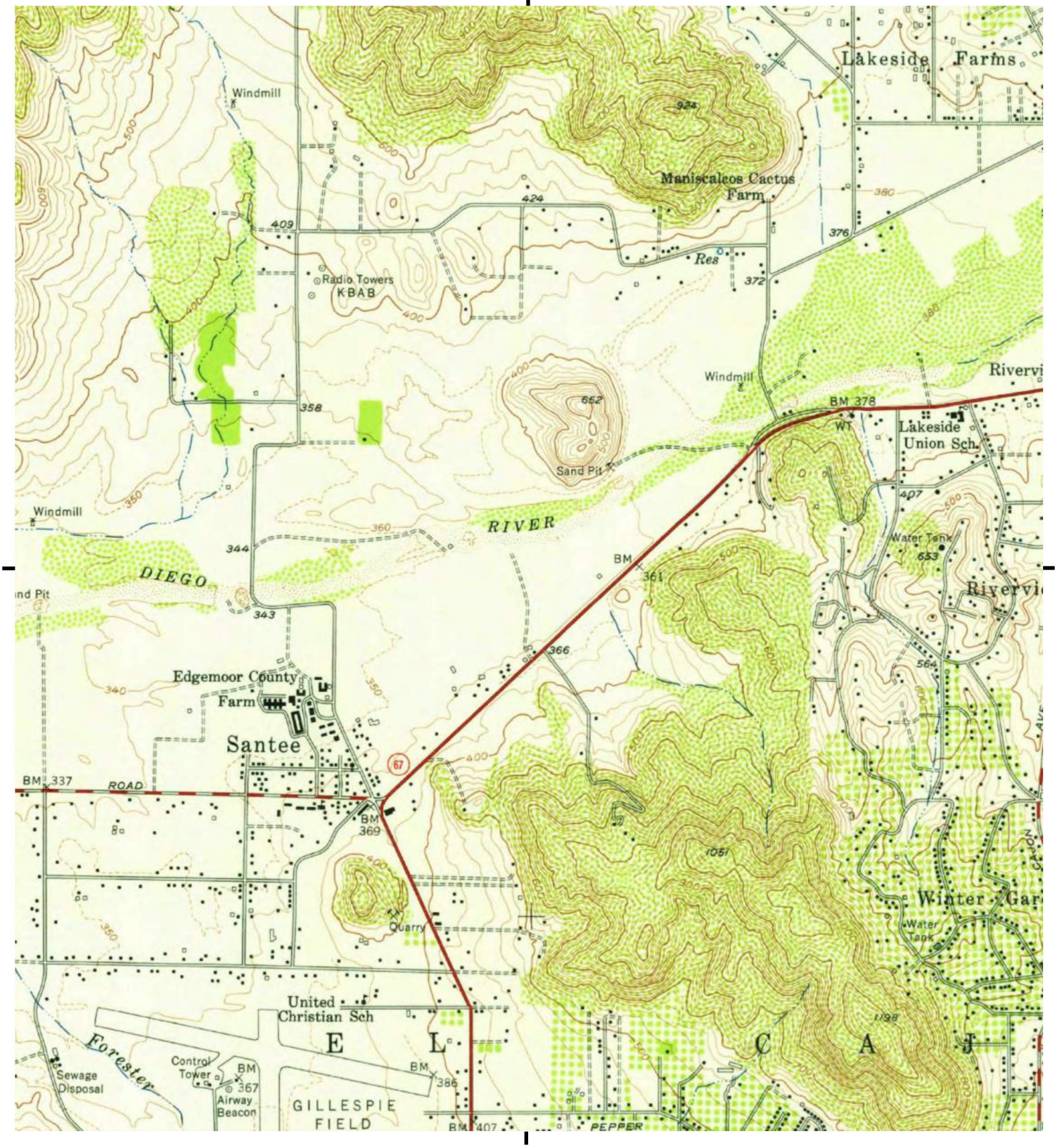
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, El Cajon, 1967, 7.5-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N



This report includes information from the following map sheet(s).

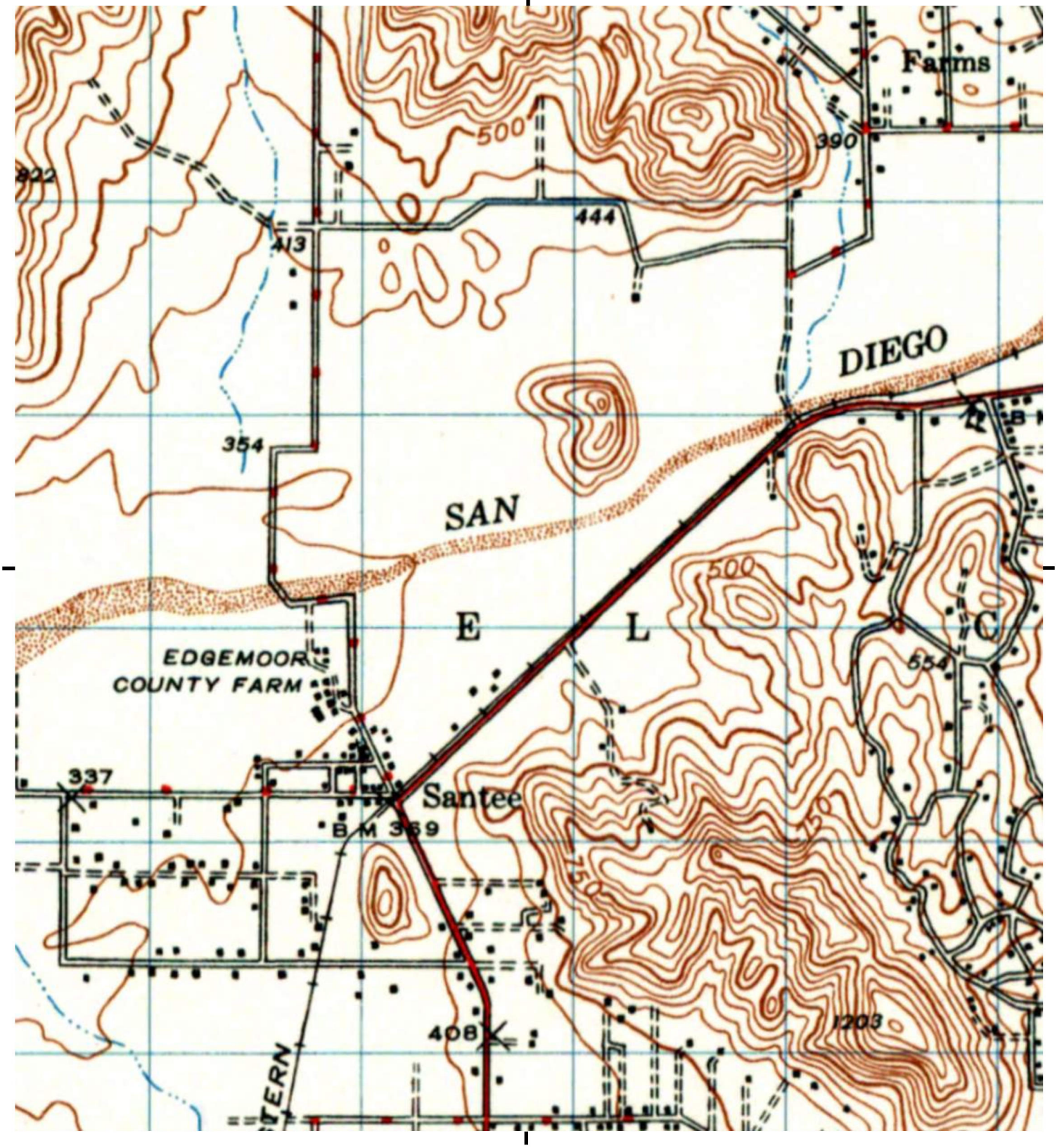
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, El Cajon, 1955, 7.5-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N



This report includes information from the following map sheet(s).

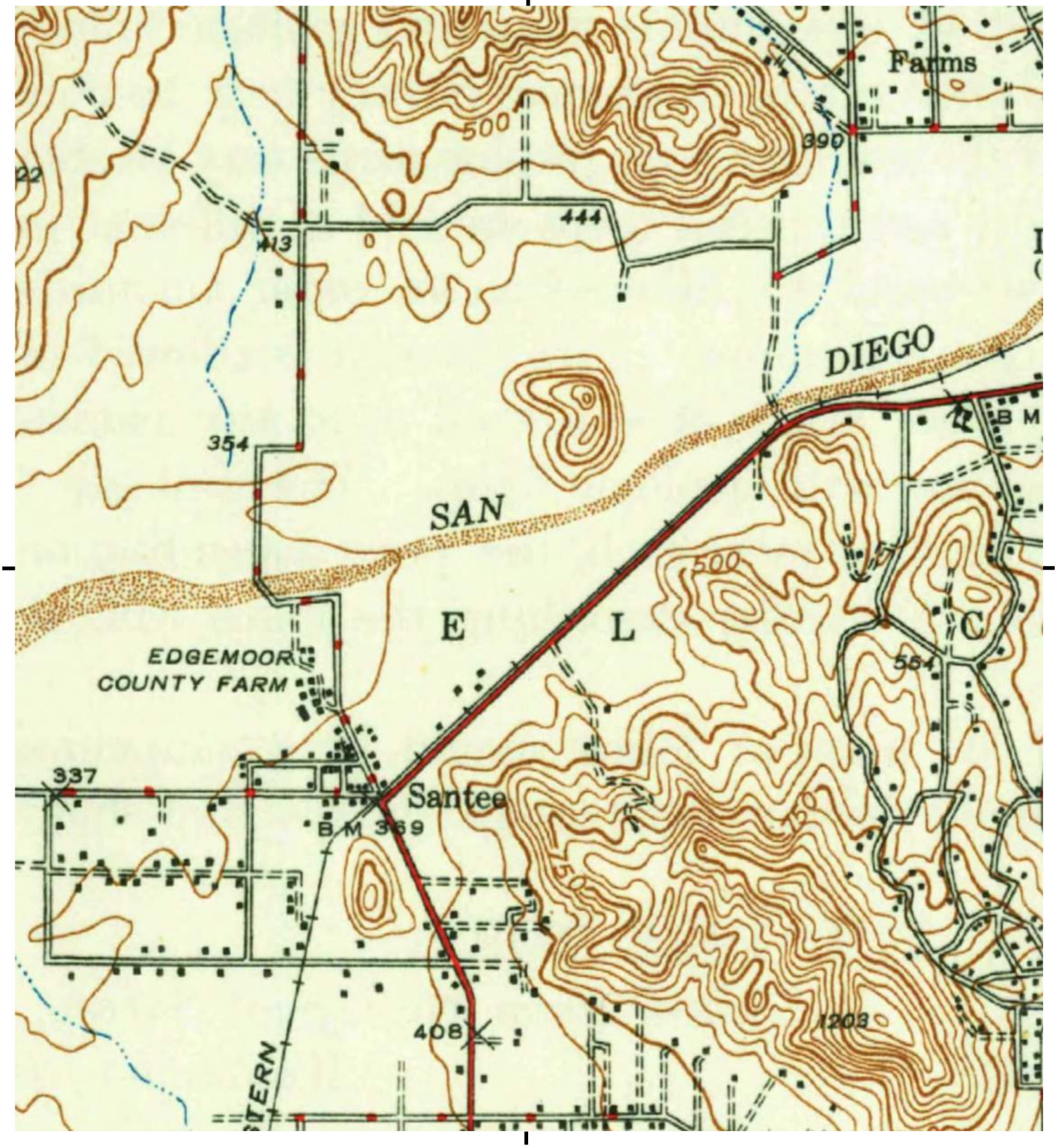
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, EL CAJON, 1948, 15-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N



This report includes information from the following map sheet(s).

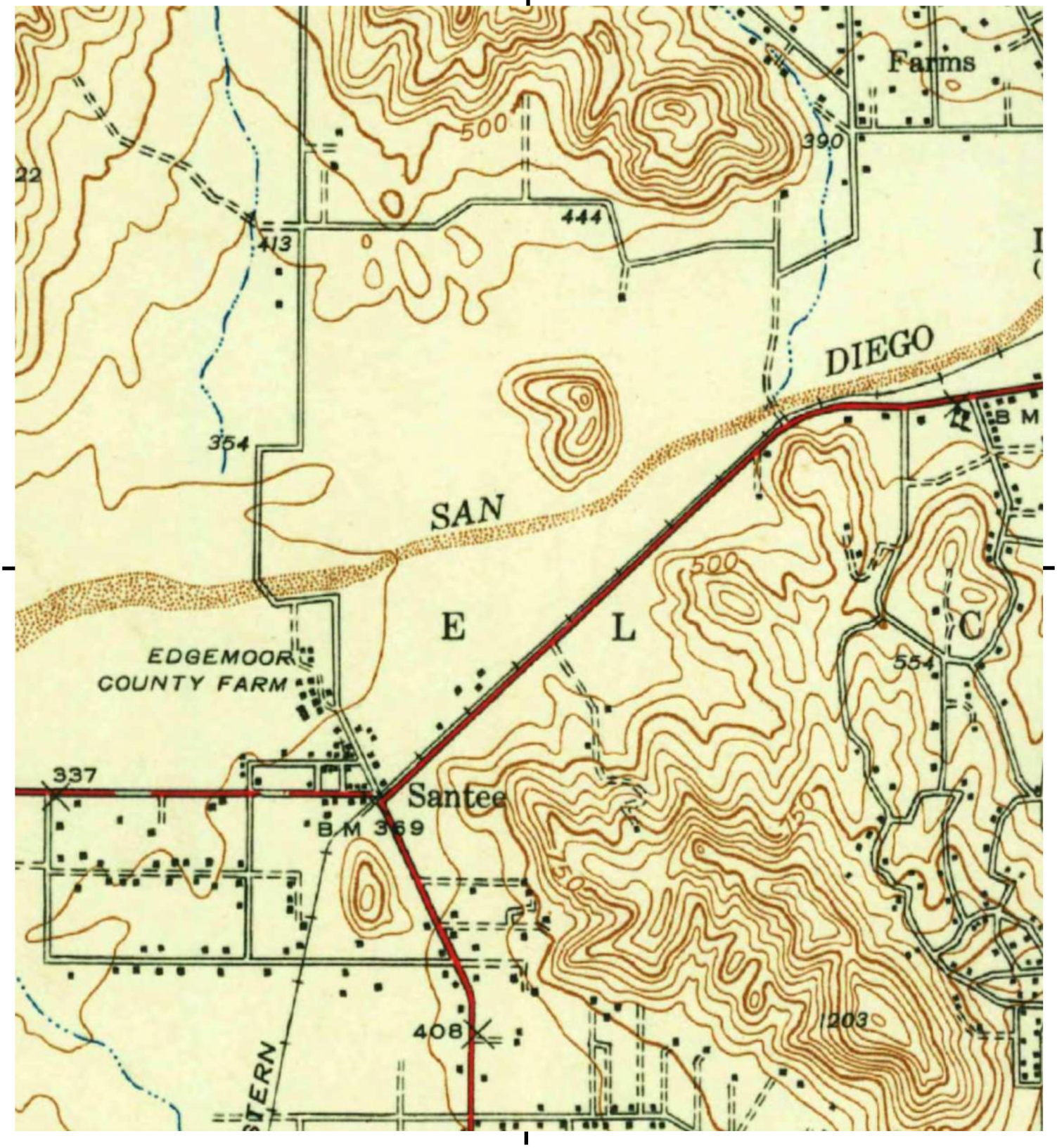
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, El Cajon, 1947, 15-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N



This report includes information from the following map sheet(s).

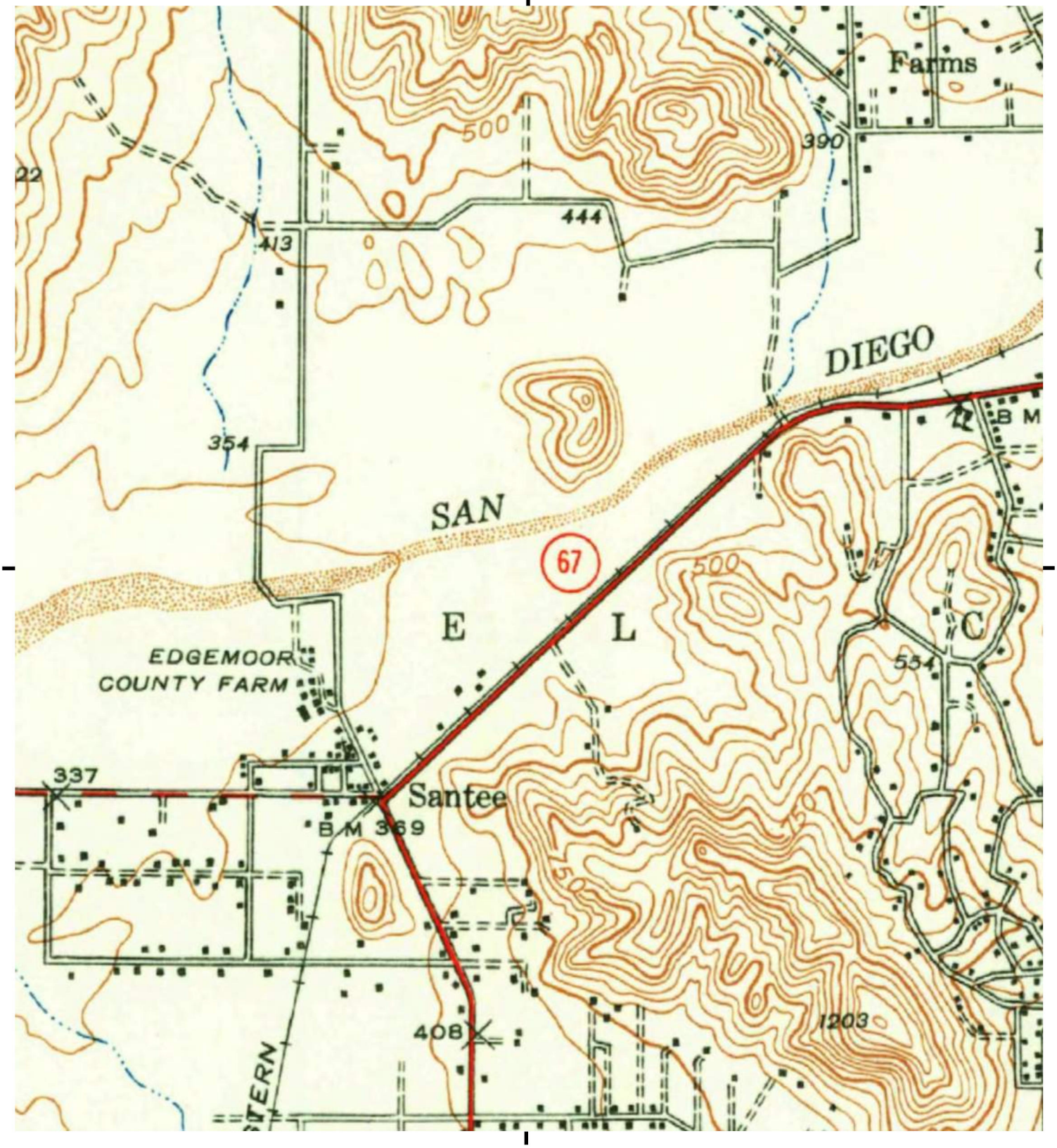
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, El Cajon, 1942, 15-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N



This report includes information from the following map sheet(s).

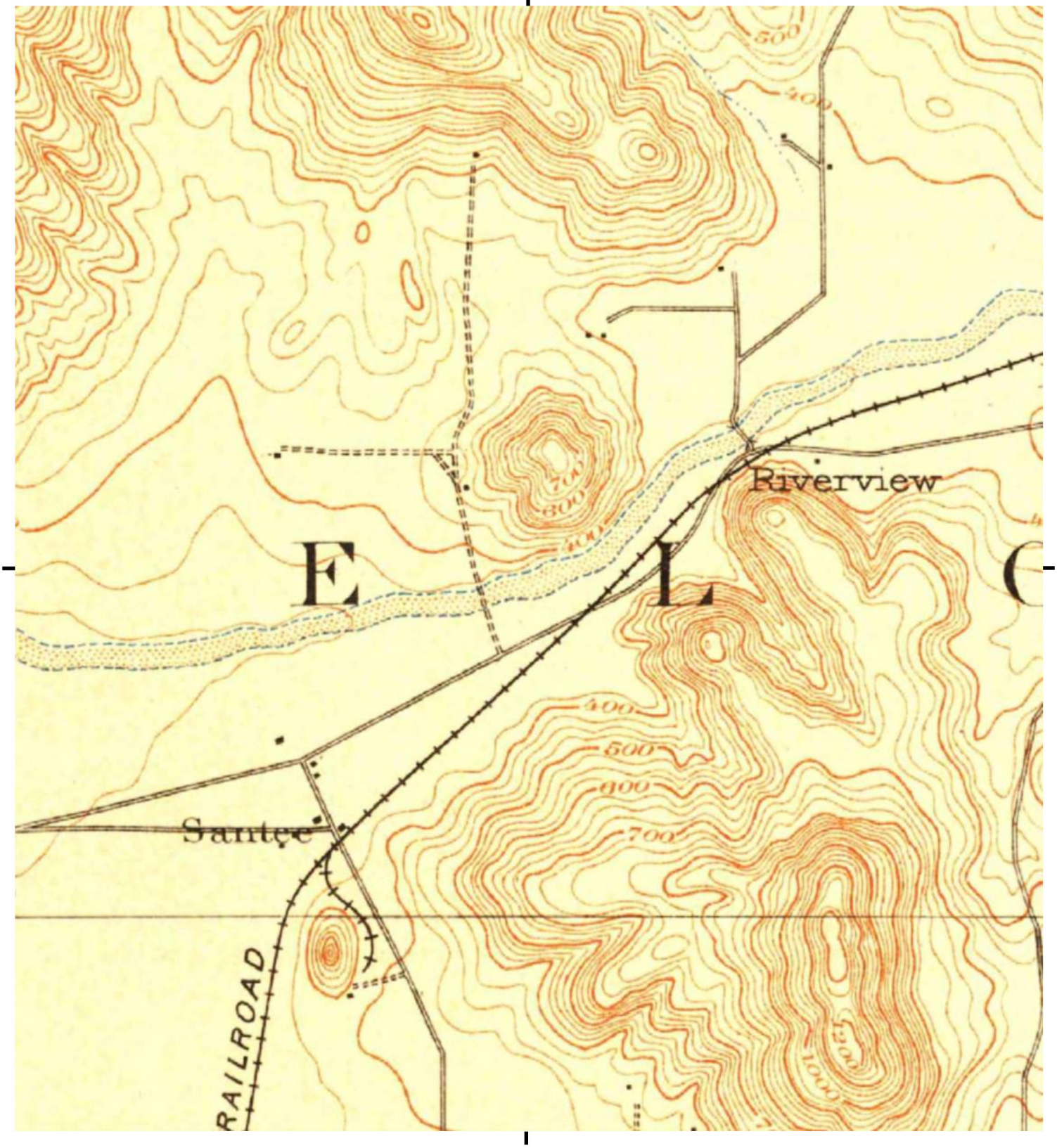
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, El Cajon, 1939, 15-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N



This report includes information from the following map sheet(s).

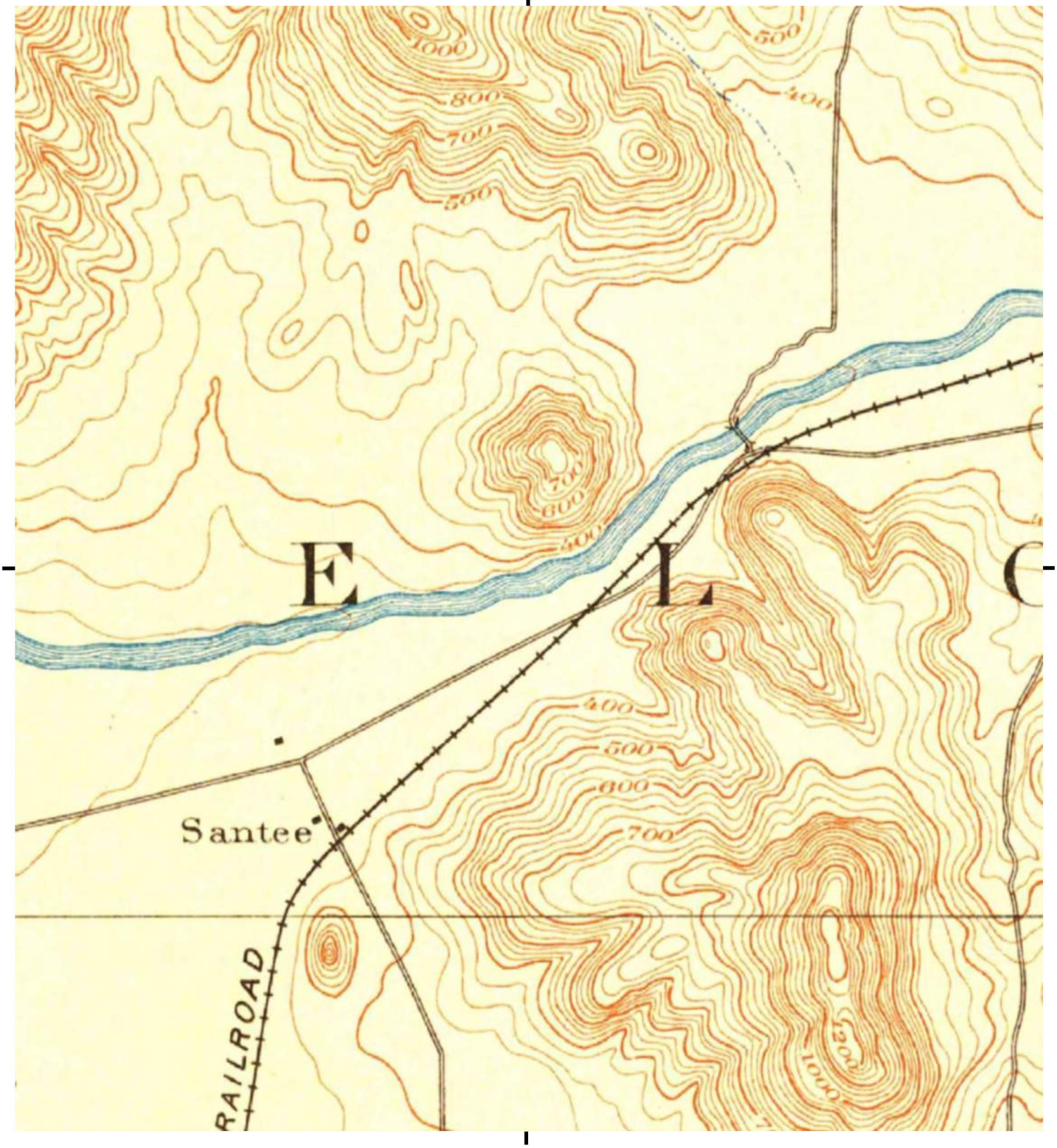
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Elcajon, 1903, 15-minute
TP, El Cajon, 1903, 15-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N



This report includes information from the following map sheet(s).

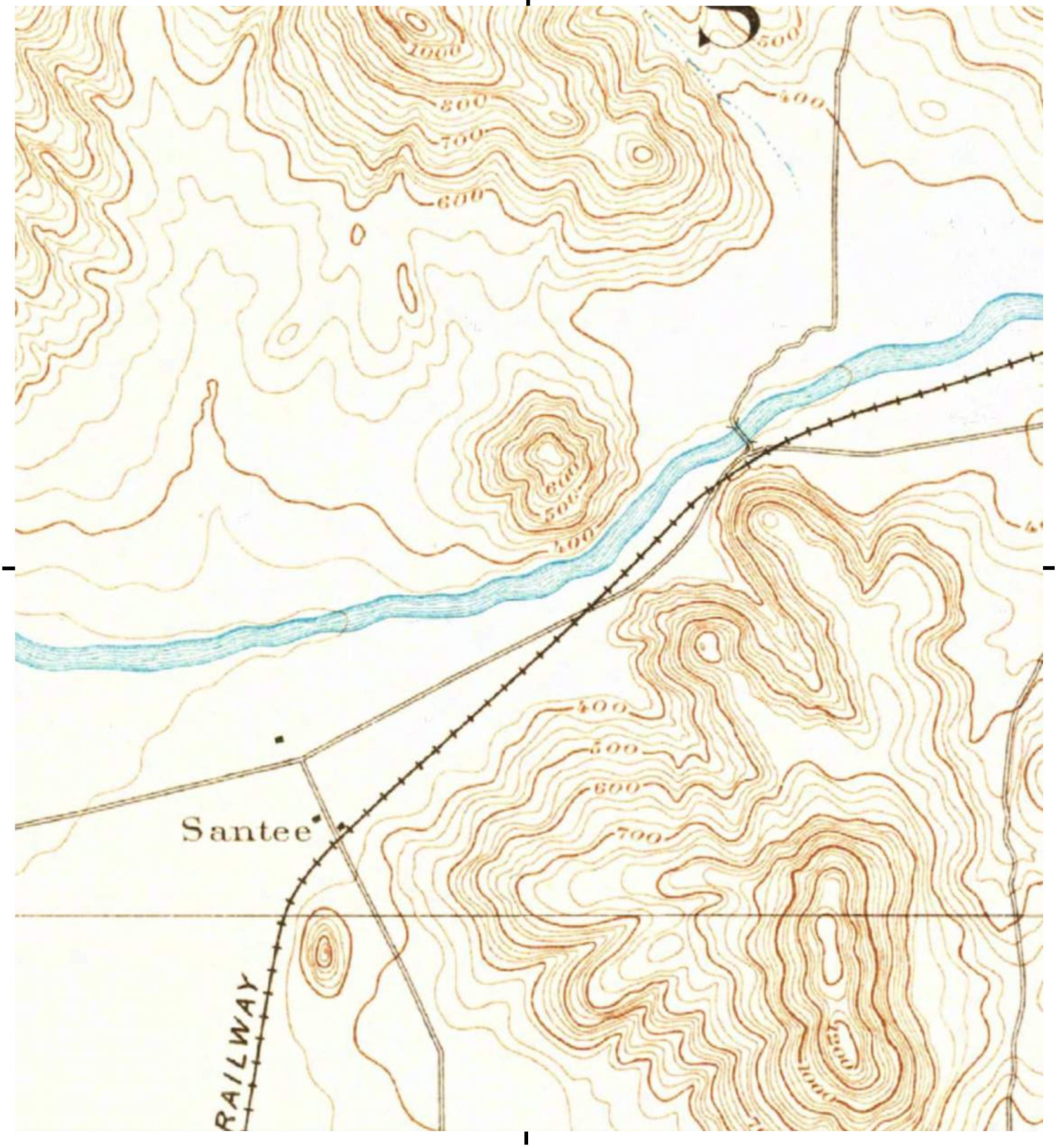
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Elcajon, 1901, 15-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, El Cajon, 1893, 15-minute
TP, Elcajon, 1893, 15-minute

SITE NAME: 10990 WOODSIDE AVE N
ADDRESS: 10990 WOODSIDE AVE N
SANTEE, CA 92071
CLIENT: Hazard Management Consulting

N

10990 WOODSIDE AVE N

10990 WOODSIDE AVE N

SANTEE, CA 92071

Inquiry Number: 7126896.8

September 22, 2022

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

09/22/22

Site Name:

10990 WOODSIDE AVE N
10990 WOODSIDE AVE N
SANTEE, CA 92071
EDR Inquiry # 7126896.8

Client Name:

Hazard Management Consulting
211 W. Avenida Cordoba
San Clemente, CA 92672
Contact: Troy Taylor

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1996	1"=500'	Flight Date: June 04, 1996	USGS
1989	1"=500'	Flight Date: August 14, 1989	USDA
1985	1"=500'	Flight Date: July 29, 1985	USDA
1979	1"=500'	Flight Date: January 27, 1979	EDR Proprietary Landiscor
1970	1"=500'	Flight Date: March 06, 1970	EDR Proprietary Landiscor
1966	1"=500'	Flight Date: November 02, 1966	USGS
1964	1"=500'	Flight Date: April 08, 1964	USDA
1953	1"=500'	Flight Date: April 14, 1953	USDA
1949	1"=500'	Flight Date: February 16, 1949	USDA

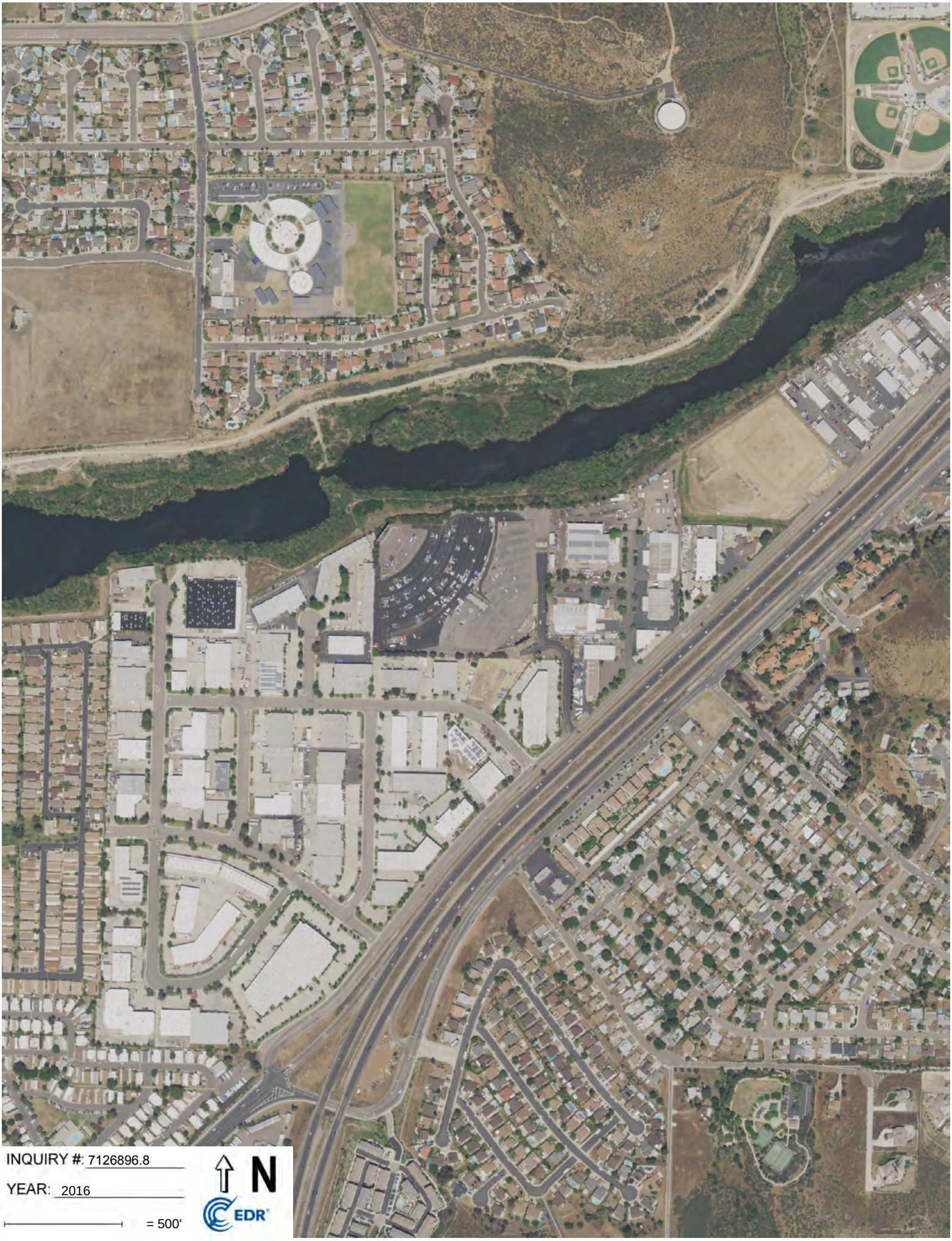
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.


INQUIRY #: 7126896.8
YEAR: 2016
= 500'
N
EDR

INQUIRY #: 7126896.8
YEAR: 2012
= 500'
N
EDR

INQUIRY #: 7126896.8
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 7126896.8
YEAR: 2005
= 500'
N
EDR

INQUIRY #: 7126896.8
YEAR: 1996
= 500'
N
EDR

INQUIRY #: 7126896.8
YEAR: 1989
= 500'
N
EDR

INQUIRY #: 7126896.8
YEAR: 1985
= 500'
N
EDR

INQUIRY #: 7126896.8
YEAR: 1979
= 500'
N
EDR

INQUIRY #: 7126896.8
YEAR: 1970
= 500'
N
EDR

INQUIRY #: 7126896.8

YEAR: 1966

= 500'

N

EDR

INQUIRY #: 7126896.8

YEAR: 1964

= 500'

N

EDR

INQUIRY #: 7126896.8

YEAR: 1953

= 500'

N

EDR

INQUIRY #: 7126896.8

YEAR: 1949

= 500'

N

EDR

10990 WOODSIDE AVE N
10990 WOODSIDE AVE N
SANTEE, CA 92071

Inquiry Number: 7126896.2s
September 22, 2022

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	822
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-14
Physical Setting Source Map Findings	A-16
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. **NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT.** Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2022 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

10990 WOODSIDE AVE N
SANTEE, CA 92071

COORDINATES

Latitude (North):	32.8481480 - 32ˆ 50' 53.33''
Longitude (West):	116.9593120 - 116ˆ 57' 33.52''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	503807.5
UTM Y (Meters):	3634263.0
Elevation:	356 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12008233 EL CAJON, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
10990 WOODSIDE AVE N
SANTEE, CA 92071

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	AUTOFAB	10996 WOODSIDE AVE N	RCRA NonGen / NLR	Higher	103, 0.020, SE
A2	C & H AUTO BODY & PA	10996 WOODSIDE AVE N	CERS HAZ WASTE, EMI, CERS, HWTS	Higher	103, 0.020, SE
B3	AM/PM PAINTING & FIN	9435 WHEATLANDS CT S	RCRA NonGen / NLR	Lower	112, 0.021, West
B4	SUSPENSION DEVELOPME	9435 WHEATLANDS CT	RCRA NonGen / NLR	Lower	112, 0.021, West
C5	CALIBER COLLISION CE	10910 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	159, 0.030, SW
C6	CALIBER COLLISION CE	10910 WHEATLANDS AVE	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	159, 0.030, SW
C7	OLSON IRRIGATION SYS	10910 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	159, 0.030, SW
C8	MIRAGE RACING PRODUC	10928 WHEATLANDS AV	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, NPDES,..	Higher	160, 0.030, SSW
C9	AGILE OFF ROAD	10928 WHEATLAND AVE	RCRA NonGen / NLR	Higher	160, 0.030, SSW
C10	YORK MANUFACTURING,	10928 WHEATLANDS AVE	RCRA-SQG	Higher	160, 0.030, SSW
D11	DS FIBERTECH CORPORA	11015 MISSON PARK PL	RCRA NonGen / NLR	Higher	170, 0.032, East
D12	WHITTAKER CORP	11015 MISSION PARK S	RCRA-SQG, FINDS, ECHO	Higher	170, 0.032, East
A13	C & H AUTO BODY	10996 NORTH WOODSIDE	RCRA-LQG	Higher	196, 0.037, SE
E14	COMPUTER INTEGRATED	10940 WHEATLANDS AVE	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CIWQS,..	Higher	200, 0.038, South
E15	COMPUTER INTEGRATED	10940 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	200, 0.038, South
C16	CCM ENT	10848 WHEATLANDS AVE	SWEEPS UST, WDS	Higher	200, 0.038, SW
C17	CALIFORNIA CRAFTED M	10848 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	200, 0.038, SW
C18	CALIFORNIA CRAFTED M	10848 WHEATLANDS AV	UST, San Diego Co. HMMD, ICIS, FTTS, HIST FTTS, US...	Higher	200, 0.038, SW
C19	ARW INC DBA ADVANCE	10911 WHEATLANDS DR	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Higher	228, 0.043, SSW
20	HANSON MACHINE	10969 WHEATLANDS AV	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	259, 0.049, SSE
A21	ALTECH MACHINING INC	11000 N WOODSIDE AVE	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	282, 0.053, ESE
22	SANTEE APARTMENTS	11071 WOODSIDE AVE #	RCRA NonGen / NLR	Higher	286, 0.054, SE
C23	L & S PRECISION CUTT	10925 WHEATLANDS AVE	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	291, 0.055, SSW
C24	VINCENT X-RAY COMPAN	10925 WHEATLANDS AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	291, 0.055, SSW
C25	L&S PRECISION CUTTER	10925 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	291, 0.055, SSW
C26	TOOL DEPOT	10925 WHEATLANDS AVE	RCRA-SQG	Higher	291, 0.055, SSW
F27	KETEMA PROCESS EQUIP	9484 MISSION PARK PL	ENVIROSTOR	Higher	306, 0.058, ENE
F28	WESTERN CONSTRUCTION	9484 MISSION PARK PL	CPS-SLIC, San Diego Co. HMMD, EMI, HAZNET, NPDES,...	Higher	306, 0.058, ENE
F29	AMETEK, INC SANTEE D	9484 MISSION PARK PL	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Higher	306, 0.058, ENE
F30	WESTERN CONSTRUCTION	9484 MISSION PARK PL	SAN DIEGO CO. SAM, San Diego Co. HMMD	Higher	306, 0.058, ENE
F31	BARE STEEL	9484 MISSION PARK PL	RCRA NonGen / NLR	Higher	306, 0.058, ENE
F32	AMETEK, INC SANTEE D	9484 MISSION PARK PL	RCRA-SQG, HAZNET, HWTS	Higher	306, 0.058, ENE
F33	BARE STEEL	9484 MISSION PARK PL	RCRA NonGen / NLR	Higher	306, 0.058, ENE
F34	BARE STEEL	9484 MISSION PARK PL	RCRA NonGen / NLR	Higher	306, 0.058, ENE
F35	BARE STEEL INC	9484 MISSION PARK PL	RCRA NonGen / NLR	Higher	306, 0.058, ENE
F36	9484 MISSION PARK PL	9484 MISSION PARK PL	CERS HAZ WASTE, HAZNET, NPDES, CIWQS, CERS, HWTS	Higher	306, 0.058, ENE
37	ALTECH MACHINING INC	11000 WOODSIDE AVE N	RCRA NonGen / NLR	Higher	323, 0.061, ESE
E38	CALSINO INC	10943 WHEATLANDS AVE	RCRA-SQG	Higher	333, 0.063, South
G39	JIMCO RACING INC	9426 WHEATLANDS CT	RCRA NonGen / NLR	Higher	347, 0.066, WSW

MAPPED SITES SUMMARY

Target Property Address:
10990 WOODSIDE AVE N
SANTEE, CA 92071

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	PHILIP THEARLE'S AUT	9426 WHEATLANDS COUR	RCRA-SQG, EMI	Higher	347, 0.066, WSW
G41	JIMCO RACING, INC	9426 WHEATLANDS CT	RCRA NonGen / NLR	Higher	347, 0.066, WSW
G42	JACK RANDALL S AUTOM	10845 WHEATLANDS STE	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Higher	361, 0.068, SW
G43	KIFER HYDRAULICS CO	9440 WHEATLANDS CT S	RCRA NonGen / NLR	Lower	414, 0.078, West
G44	FUTURE MACHINE	9440 WHEATLANDS CT #	San Diego Co. HMMD, CERS HAZ WASTE, NPDES, CIWQS,...	Lower	414, 0.078, West
H45	S&J BUILDERS & RESTO	10815 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	464, 0.088, SW
H46	ALUMI CRAFT INC	10815 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	464, 0.088, SW
H47	ALUMICRAFT LLC	10815 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	464, 0.088, SW
H48	ALUMICRAFT LLC	10815 WHEATLANDS AVE	San Diego Co. HMMD, CERS HAZ WASTE, NPDES, CERS,...	Higher	464, 0.088, SW
H49	ALUMICRAFT LLC	10815 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	464, 0.088, SW
H50	ALUMICRAFT LLC	10815 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	464, 0.088, SW
I51	SANTEE COLLISION CEN	9356 WHEATLANDS RD	RCRA NonGen / NLR	Higher	507, 0.096, SSW
I52	SANTEE COLLISION CEN	9356 WHEATLANDS RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	507, 0.096, SSW
J53	CIRCLE K STORE #2959	11007 WOODSIDE AVE	RCRA-SQG, SAN DIEGO CO. SAM, CPS-SLIC, San Diego...	Higher	569, 0.108, SSE
J54	TOSCO MARKETING COMP	11007 WOODSIDE AVE	EDR Hist Auto	Higher	569, 0.108, SSE
J55	CIRCLE K #2959	11007 WOODSIDE AVE	UST, SWEEPS UST, SAN DIEGO CO LOP	Higher	569, 0.108, SSE
I56	SCANTIBODIES LABORAT	9343 WHEATLANDS RD	RCRA NonGen / NLR	Higher	640, 0.121, SSW
I57	CHULA VISTA ELECTRIC	9344 WHEATLANDS RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	675, 0.128, SSW
I58	CHULA VISTA ELECTRIC	9344 WHEATLANDS RD	RCRA NonGen / NLR	Higher	675, 0.128, SSW
H59	JIMCO RACING INC	9335 STEVENS RD	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	716, 0.136, SW
H60	JIMCO RACING INC	9335 STEVENS RD	RCRA NonGen / NLR	Higher	716, 0.136, SW
H61	R K BURNER SHEET MET	9335 STEVENS RD	San Diego Co. HMMD, HIST UST	Higher	716, 0.136, SW
H62	R.K. BURNER SHEET ME	9335 STEVENS RD	San Diego Co. HMMD, HIST UST	Higher	716, 0.136, SW
H63	MASTERCRAFT MOTORSPO	9335 STEVENS RD	RCRA NonGen / NLR	Higher	716, 0.136, SW
K64	RAFI GORGES	11140 MEADOW TERRACE	RCRA NonGen / NLR	Higher	762, 0.144, ESE
65	JENNIFER JONES	9253 BLOOMDALE ST.	RCRA NonGen / NLR	Higher	876, 0.166, SE
L66	QUALITY CONTROLLED M	9429 ABRAHAM WAY	RCRA NonGen / NLR	Lower	896, 0.170, West
L67	QUALITY CONTROLLED M	9429 ABRAHAM WAY	RCRA-SQG, FINDS, ECHO	Lower	896, 0.170, West
L68	QUALITY CONTROLLED M	9429 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Lower	896, 0.170, West
M69	FETTERLEY OIL CO	9311 STEVENS ST	San Diego Co. HMMD, SWEEPS UST, NPDES	Higher	953, 0.180, SW
K70	JORGE CONTRERAS	11203 VIA MADONNA	RCRA NonGen / NLR	Higher	985, 0.187, ESE
N71	HYDRAULIC ELECTRIC C	9316 WHEATLANDS RD S	CERS HAZ WASTE, CERS	Higher	1012, 0.192, SSW
L72	STRATEDGE CORPORATIO	9424 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Lower	1027, 0.195, West
L73	STRATEDGE	9424 ABRAHAM WAY	RCRA-SQG	Lower	1027, 0.195, West
L74	AYMAR INDUSTRIES, LL	9434 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, NPDES, CIWQS,...	Lower	1028, 0.195, West
L75	AYMAR ENGINEERING	9434 ABRAHAM WAY	RCRA NonGen / NLR	Lower	1028, 0.195, West
O76	CALIFORNIA CRAFTED M	9366 ABRAHAM WAY	RCRA NonGen / NLR	Lower	1040, 0.197, WSW
O77	CALIFORNIA CRAFTED M	9366 ABRAHAM WAY	RCRA NonGen / NLR	Lower	1040, 0.197, WSW
O78	SAN DIEGO DESIGN INC	9366 ABRAHAM WY	RCRA-SQG, San Diego Co. HMMD, FINDS	Lower	1040, 0.197, WSW

MAPPED SITES SUMMARY

Target Property Address:
10990 WOODSIDE AVE N
SANTEE, CA 92071

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
M79	ASHLYNN MARKETING GR	10870 HARTLEY RD #B	RCRA NonGen / NLR	Higher	1044, 0.198, SW
M80	ASHLYNN MARKETING GR	10870 HARTLEY RD	RCRA NonGen / NLR	Higher	1044, 0.198, SW
M81	ASHLYNN MARKETING GR	10870 HARTLEY RD STE	RCRA NonGen / NLR	Higher	1044, 0.198, SW
O82	ACCURATE AIR ENGINEE	9356 ABRAHAM WAY	RCRA NonGen / NLR	Higher	1085, 0.205, WSW
O83	JERAMES TOOL AND MFG	9356 ABRAHAM WAY	RCRA-SQG, San Diego Co. HMMD, FINDS, ECHO	Higher	1085, 0.205, WSW
O84	JERAMES TOOL & MFG	9356 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	1085, 0.205, WSW
O85	STREET TRENZ INC	9356 ABRAHAM WAY	RCRA NonGen / NLR	Higher	1085, 0.205, WSW
N86	MATHY MACHINE, INC.	9315 WHEATLANDS RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS, HWTS	Higher	1094, 0.207, SSW
N87	MATHY MACHINE INC	9315 WHEATLANDS, #B	RCRA NonGen / NLR	Higher	1094, 0.207, SSW
L88	SOUTHBAY FOUNDRY, IN	9444 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Lower	1094, 0.207, West
L89	SOUTH BAY FOUNDRY	9444 ABRAHAM WAY	RCRA NonGen / NLR	Lower	1094, 0.207, West
L90	SOUTH BAY FOUNDRY IN	9444 ABRAHAM WAY	RCRA NonGen / NLR	Lower	1094, 0.207, West
P91	EASTWOOD MACHINE, LL	9346 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	1132, 0.214, WSW
P92	EASTWOOD MACHINE LLC	9346 ABRAHAM WAY	RCRA NonGen / NLR	Higher	1132, 0.214, WSW
Q93	DISCFLO CORP	10850 HARTLEY RD	RCRA NonGen / NLR	Higher	1132, 0.214, SW
Q94	DISCFLO CORPORATION	10850 HARTLEY RD A	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	1132, 0.214, SW
95	CHARLES HELMER	9247 VIA ANITA	RCRA NonGen / NLR	Higher	1142, 0.216, ESE
96	AMY SKINNER	9240 NORTHCOTE ROAD	RCRA NonGen / NLR	Higher	1159, 0.220, ESE
R97	VISION SYSTEMS INC	11322 WOODSIDE AVE N	RCRA-LQG	Higher	1161, 0.220, ENE
R98	VISION SYSTEMS	11322 WOODSIDE AVENU	CERS HAZ WASTE, NPDES, CIWQS, CERS	Higher	1161, 0.220, ENE
P99	A-I-M PLASTICS INC	9326 ABRAHAM WAY	RCRA NonGen / NLR	Higher	1188, 0.225, WSW
P100	ALTS TOOL AND MACHIN	9316 ABRAHAM WY	RCRA-SQG, San Diego Co. HMMD, FINDS, ECHO	Higher	1258, 0.238, SW
101	CARLOS MERCADO	9211 BLOOMDALE ST	RCRA NonGen / NLR	Higher	1297, 0.246, SE
102	SPECIALTY METALS FAB	11222 WOODSIDE AVE	RCRA NonGen / NLR	Higher	1303, 0.247, East
S103	DION & SONS, INC	11427 WOODSIDE AVE	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD, CERS...	Higher	2085, 0.395, ENE
S104	ANTHONY T. DITTY	11427 WOODSIDE AVE	LUST, CPS-SLIC, AST, Cortese, HIST CORTESE, SAN...	Higher	2085, 0.395, ENE
T105	SANTEE ARMY CAMP		ENVIROSTOR	Higher	3988, 0.755, SSW
T106	ARMY CAMP (SANTEE)		FUDS	Higher	3997, 0.757, SSW
U107	DAVE'S AUTO SERVICE	10438 MISSION GORGE	HIST Cal-Sites	Higher	4290, 0.812, SW
U108	DAVE'S AUTO SERVICE	10438 MISSION GORGE	RESPONSE, ENVIROSTOR, LIENS	Higher	4290, 0.812, SW
109	SANTANA HIGH SCHOOL	9915 MAGNOLIA AVENUE	ENVIROSTOR, SCH, CERS	Higher	4389, 0.831, NW
110	EDGEMORE HOSPITAL		Notify 65	Lower	4438, 0.841, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

EXECUTIVE SUMMARY

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---------- Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
AST ---------- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---------- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing
VCP ---------- Voluntary Cleanup Program Properties

Lists of state and tribal brownfield sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---------- Waste Management Unit Database
SWRCY ---------- Recycler Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
San Diego Co. HMMD ---------- Hazardous Materials Management Division Database
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register
AQUEOUS FOAM ---------- Former Fire Training Facility Assessments Listing
PFAS ---------- PFAS Contamination Site Location Listing

EXECUTIVE SUMMARY

Local Lists of Registered Storage Tanks

CA FID UST ---- Facility Inventory Database
CERS TANKS ---- California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
FINDS ---- Facility Index System/Facility Registry System
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing

ECHO ---- Enforcement & Compliance History Information
UXO ---- Unexploded Ordnance Sites
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan
CUPA Listings ---- CUPA Resources List
DRYCLEANERS ---- Cleaner Facilities
EMI ---- Emissions Inventory Data
ENF ---- Enforcement Action Listing
Financial Assurance ---- Financial Assurance Information Listing
HAZNET ---- Facility and Manifest Data
ICE ---- ICE
HWP ---- EnviroStor Permitted Facilities Listing
HWT ---- Registered Hazardous Waste Transporter Database
MINES ---- Mines Site Location Listing
MWMP ---- Medical Waste Management Program Listing
NPDES ---- NPDES Permits Listing
PEST LIC ---- Pesticide Regulation Licenses Listing
PROC ---- Certified Processors Database
UIC ---- UIC Listing
UIC GEO ---- UIC GEO (GEOTRACKER)
WASTEWATER PITS ---- Oil Wastewater Pits Listing
WDS ---- Waste Discharge System
WIP ---- Well Investigation Program Case List
MILITARY PRIV SITES ---- MILITARY PRIV SITES (GEOTRACKER)
PROJECT ---- PROJECT (GEOTRACKER)
WDR ---- Waste Discharge Requirements Listing
SAN DIEGO CO LOP ---- Local Oversight Program Listing
CIWQS ---- California Integrated Water Quality System
CERS ---- CERS
NON-CASE INFO ---- NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS ---- OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS ---- PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT ---- SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ ---- Well Stimulation Project (GEOTRACKER)
HWTS ---- Hazardous Waste Tracking System
MINES MRDS ---- Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner ---- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C & H AUTO BODY EPA ID:: CAD981572860	10996 NORTH WOODSIDE	SE 0 - 1/8 (0.037 mi.)	A13	73
VISION SYSTEMS INC EPA ID:: CAR000268656	11322 WOODSIDE AVE N	ENE 1/8 - 1/4 (0.220 mi.)	R97	667

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 15 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YORK MANUFACTURING, EPA ID:: CAC002561381	10928 WHEATLANDS AVE	SSW 0 - 1/8 (0.030 mi.)	C10	64
WHITTAKER CORP EPA ID:: CAD981369630	***11015 MISSION PARK S***	***E 0 - 1/8 (0.032 mi.)***	***D12***	***70***
ARW INC DBA ADVANCE EPA ID:: CAR000016808	***10911 WHEATLANDS DR***	***SSW 0 - 1/8 (0.043 mi.)***	***C19***	***99***
TOOL DEPOT EPA ID:: CAR000185587	10925 WHEATLANDS AVE	SSW 0 - 1/8 (0.055 mi.)	C26	137
AMETEK, INC SANTEE D	***9484 MISSION PARK PL***	***ENE 0 - 1/8 (0.058 mi.)***	***F29***	***158***

EPA ID:: CAL000189534				
AMETEK, INC SANTEE D	***9484 MISSION PARK PL***	***ENE 0 - 1/8 (0.058 mi.)***	***F32***	***195***
EPA ID:: CAD981450232				
CALSINO INC	10943 WHEATLANDS AVE	S 0 - 1/8 (0.063 mi.)	E38	233
EPA ID:: CAP000055343				
PHILIP THEARLE'S AUT	***9426 WHEATLANDS COUR***	***WSW 0 - 1/8 (0.066 mi.)***	***G40***	***238***
EPA ID:: CAD118586056				
JACK RANDALL S AUTOM	***10845 WHEATLANDS STE***	***SW 0 - 1/8 (0.068 mi.)***	***G42***	***246***
EPA ID:: CAD982516239				
CIRCLE K STORE #2959	***11007 WOODSIDE AVE***	***SSE 0 - 1/8 (0.108 mi.)***	***J53***	***315***
EPA ID:: CAD981681166				
JERAMES TOOL AND MFG	***9356 ABRAHAM WAY***	***WSW 1/8 - 1/4 (0.205 mi.)***	***O83***	***520***
EPA ID:: CAD020203139				
ALTS TOOL AND MACHIN	***9316 ABRAHAM WY***	***SW 1/8 - 1/4 (0.238 mi.)***	***P100***	***687***
EPA ID:: CA0000477877				

Lower Elevation	Address	Direction / Distance	Map ID	Page
QUALITY CONTROLLED M	***9429 ABRAHAM WAY***	***W 1/8 - 1/4 (0.170 mi.)***	***L67***	***376***
EPA ID:: CAD981396997				
STRATEDGE	9424 ABRAHAM WAY	W 1/8 - 1/4 (0.195 mi.)	L73	470
EPA ID:: CAR000285569				
SAN DIEGO DESIGN INC	***9366 ABRAHAM WY***	***WSW 1/8 - 1/4 (0.197 mi.)***	***O78***	***507***
EPA ID:: CAD981384993				

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAVE'S AUTO SERVICE	***10438 MISSION GORGE***	***SW 1/2 - 1 (0.812 mi.)***	***U108***	***812***

Database: RESPONSE, Date of Government Version: 04/25/2022
Status: Certified
Facility Id: 37750003

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State

Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/25/2022 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KETEMA PROCESS EQUIP Facility Id: 71003382 Status: No Action Required	9484 MISSION PARK PL	ENE 0 - 1/8 (0.058 mi.)	F27	139
SANTEE ARMY CAMP Facility Id: 80000969 Status: Inactive - Needs Evaluation		SSW 1/2 - 1 (0.755 mi.)	T105	804
DAVE'S AUTO SERVICE Facility Id: 37750003 Status: Certified	***10438 MISSION GORGE***	***SW 1/2 - 1 (0.812 mi.)***	***U108***	***812***
SANTANA HIGH SCHOOL Facility Id: 60000859 Status: Inactive - Withdrawn	***9915 MAGNOLIA AVENUE***	***NW 1/2 - 1 (0.831 mi.)***	***109***	***819***

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DION & SONS, INC Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Global Id: T0607303173	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S103***	***695***
ANTHONY T. DITTY Database: LUST REG 9, Date of Government Version: 03/01/2001 Status: Remediation Plan Case Number: 9UT938	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S104***	***800***

SAN DIEGO CO. SAM: The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

A review of the SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that

there are 3 SAN DIEGO CO. SAM sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTERN CONSTRUCTION	***9484 MISSION PARK PL***	***ENE 0 - 1/8 (0.058 mi.)***	***F30***	***190***
Case Number: H02097-001				
Facility Status: Closed Case				
CIRCLE K STORE #2959	***11007 WOODSIDE AVE***	***SSE 0 - 1/8 (0.108 mi.)***	***J53***	***315***
Case Number: H20836-001				
Facility Status: Closed Case				
DION & SONS, INC	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S103***	***695***
Case Number: H19469-001				
Case Number: H19469-002				
Case Number: H19469-003				
Case Number: H19469-004				
Facility Status: Remedial Investigation				
Facility Status: Closed Case				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 3 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTERN CONSTRUCTION	***9484 MISSION PARK PL***	***ENE 0 - 1/8 (0.058 mi.)***	***F28***	***141***
Database: CPS-SLIC, Date of Government Version: 05/23/2022				
Global Id: T0608164832				
Facility Status: Completed - Case Closed				
CIRCLE K STORE #2959	***11007 WOODSIDE AVE***	***SSE 0 - 1/8 (0.108 mi.)***	***J53***	***315***
Database: CPS-SLIC, Date of Government Version: 05/23/2022				
Global Id: T0608102609				
Facility Status: Completed - Case Closed				
ANTHONY T. DITTY	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S104***	***800***
Database: CPS-SLIC, Date of Government Version: 05/23/2022				
Global Id: T0608144417				
Global Id: T0608182940				
Global Id: T0608115165				
Global Id: T10000004271				
Facility Status: Completed - Case Closed				
Facility Status: Open - Site Assessment				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within

approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA CRAFTED M	***10848 WHEATLANDS AV***	***SW 0 - 1/8 (0.038 mi.)***	***C18***	***93***
Database: UST, Date of Government Version: 06/06/2022 Facility Id: H20835				
CIRCLE K #2959	***11007 WOODSIDE AVE***	***SSE 0 - 1/8 (0.108 mi.)***	***J55***	***321***
Database: UST, Date of Government Version: 06/06/2022 Facility Id: H20836				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAVE'S AUTO SERVICE	10438 MISSION GORGE	SW 1/2 - 1 (0.812 mi.)	U107	806

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/18/2022 has revealed that there are 23 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C & H AUTO BODY & PA	***10996 WOODSIDE AVE N***	***SE 0 - 1/8 (0.020 mi.)***	***A2***	***11***
CALIBER COLLISION CE	***10910 WHEATLANDS AVE***	***SW 0 - 1/8 (0.030 mi.)***	***C6***	***30***
MIRAGE RACING PRODUC	***10928 WHEATLANDS AV***	***SSW 0 - 1/8 (0.030 mi.)***	***C8***	***46***
COMPUTER INTEGRATED	***10940 WHEATLANDS AVE***	***S 0 - 1/8 (0.038 mi.)***	***E14***	***75***
HANSON MACHINE	***10969 WHEATLANDS AV***	***SSE 0 - 1/8 (0.049 mi.)***	***20***	***105***
ALTECH MACHINING INC	***11000 N WOODSIDE AVE***	***ESE 0 - 1/8 (0.053 mi.)***	***A21***	***113***
L & S PRECISION CUTT	***10925 WHEATLANDS AVE***	***SSW 0 - 1/8 (0.055 mi.)***	***C23***	***128***
9484 MISSION PARK PL	***9484 MISSION PARK PL***	***ENE 0 - 1/8 (0.058 mi.)***	***F36***	***218***
ALUMICRAFT LLC	***10815 WHEATLANDS AVE***	***SW 0 - 1/8 (0.088 mi.)***	***H48***	***274***
SANTEE COLLISION CEN	***9356 WHEATLANDS RD***	***SSW 0 - 1/8 (0.096 mi.)***	***I52***	***307***
CHULA VISTA ELECTRIC	***9344 WHEATLANDS RD***	***SSW 1/8 - 1/4 (0.128 mi.)***	***I57***	***325***
JIMCO RACING INC	***9335 STEVENS RD***	***SW 1/8 - 1/4 (0.136 mi.)***	***H59***	***347***
HYDRAULIC ELECTRIC C	***9316 WHEATLANDS RD S***	***SSW 1/8 - 1/4 (0.192 mi.)***	***N71***	***413***
JERAMES TOOL & MFG	***9356 ABRAHAM WAY***	***WSW 1/8 - 1/4 (0.205 mi.)***	***O84***	***527***
MATHY MACHINE, INC.	***9315 WHEATLANDS RD***	***SSW 1/8 - 1/4 (0.207 mi.)***	***N86***	***583***
EASTWOOD MACHINE, LL	***9346 ABRAHAM WAY***	***WSW 1/8 - 1/4 (0.214 mi.)***	***P91***	***624***
DISCFLO CORPORATION	***10850 HARTLEY RD A***	***SW 1/8 - 1/4 (0.214 mi.)***	***Q94***	***639***
VISION SYSTEMS	***11322 WOODSIDE AVENU***	***ENE 1/8 - 1/4 (0.220 mi.)***	***R98***	***673***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FUTURE MACHINE	***9440 WHEATLANDS CT #***	***W 0 - 1/8 (0.078 mi.)***	***G44***	***262***

Lower Elevation	Address	Direction / Distance	Map ID	Page
QUALITY CONTROLLED M	*9429 ABRAHAM WAY*	*W 1/8 - 1/4 (0.170 mi.)*	*L68*	*379*
STRATEDGE CORPORATIO	*9424 ABRAHAM WAY*	*W 1/8 - 1/4 (0.195 mi.)*	*L72*	*419*
AYMAR INDUSTRIES, LL	*9434 ABRAHAM WAY*	*W 1/8 - 1/4 (0.195 mi.)*	*L74*	*473*
SOUTHBAY FOUNDRY, IN	*9444 ABRAHAM WAY*	*W 1/8 - 1/4 (0.207 mi.)*	*L88*	*599*

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CCM ENT Status: A Tank Status: A Comp Number: 20835	*10848 WHEATLANDS AVE*	*SW 0 - 1/8 (0.038 mi.)*	*C16*	*89*
CIRCLE K #2959 Status: A Tank Status: A Comp Number: 20836	*11007 WOODSIDE AVE*	*SSE 0 - 1/8 (0.108 mi.)*	*J55*	*321*
FETTERLEY OIL CO Comp Number: 6168	*9311 STEVENS ST*	*SW 1/8 - 1/4 (0.180 mi.)*	*M69*	*399*

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE #2959 Facility Id: 00000013656	*11007 WOODSIDE AVE*	*SSE 0 - 1/8 (0.108 mi.)*	*J53*	*315*
R K BURNER SHEET MET	*9335 STEVENS RD*	*SW 1/8 - 1/4 (0.136 mi.)*	*H61*	*359*
R.K. BURNER SHEET ME Facility Id: 00000068882	*9335 STEVENS RD*	*SW 1/8 - 1/4 (0.136 mi.)*	*H62*	*361*

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or

dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/20/2022 has revealed that there are 52 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUTOFAB EPA ID:: CAL000000371	10996 WOODSIDE AVE N	SE 0 - 1/8 (0.020 mi.)	A1	9
CALIBER COLLISION CE EPA ID:: CAL000463473	10910 WHEATLANDS AVE	SW 0 - 1/8 (0.030 mi.)	C5	28
OLSON IRRIGATION SYS EPA ID:: CAL000036718	10910 WHEATLANDS AVE	SW 0 - 1/8 (0.030 mi.)	C7	44
AGILE OFF ROAD EPA ID:: CAL000436462	10928 WHEATLAND AVE	SSW 0 - 1/8 (0.030 mi.)	C9	61
DS FIBERTECH CORPORA EPA ID:: CAL000370764	11015 MISSON PARK PL	E 0 - 1/8 (0.032 mi.)	D11	67
COMPUTER INTEGRATED EPA ID:: CAL000425494	10940 WHEATLANDS AVE	S 0 - 1/8 (0.038 mi.)	E15	86
CALIFORNIA CRAFTED M EPA ID:: CAL000363924	10848 WHEATLANDS AVE	SW 0 - 1/8 (0.038 mi.)	C17	91
SANTEE APARTMENTS EPA ID:: CAC003065370	11071 WOODSIDE AVE #	SE 0 - 1/8 (0.054 mi.)	22	126
VINCENT X-RAY COMPAN EPA ID:: CAD982368888	***10925 WHEATLANDS AVE***	***SSW 0 - 1/8 (0.055 mi.)***	***C24***	***131***
L&S PRECISION CUTTER EPA ID:: CAL000322962	10925 WHEATLANDS AVE	SSW 0 - 1/8 (0.055 mi.)	C25	134
BARE STEEL EPA ID:: CAC003164642	9484 MISSION PARK PL	ENE 0 - 1/8 (0.058 mi.)	F31	192
BARE STEEL EPA ID:: CAC003054786 EPA ID:: CAC003137149 EPA ID:: CAC003086411 EPA ID:: CAC003110108	9484 MISSION PARK PL	ENE 0 - 1/8 (0.058 mi.)	F33	203
BARE STEEL EPA ID:: CAC003069330	9484 MISSION PARK PL	ENE 0 - 1/8 (0.058 mi.)	F34	213
BARE STEEL INC EPA ID:: CAC003179086	9484 MISSION PARK PL	ENE 0 - 1/8 (0.058 mi.)	F35	215
ALTECH MACHINING INC EPA ID:: CAL000045408	11000 WOODSIDE AVE N	ESE 0 - 1/8 (0.061 mi.)	37	230
JIMCO RACING INC EPA ID:: CAL000436632	9426 WHEATLANDS CT	WSW 0 - 1/8 (0.066 mi.)	G39	235
JIMCO RACING, INC EPA ID:: CAC003058993	9426 WHEATLANDS CT	WSW 0 - 1/8 (0.066 mi.)	G41	244
S&J BUILDERS & RESTO EPA ID:: CAL000328326	10815 WHEATLANDS AVE	SW 0 - 1/8 (0.088 mi.)	H45	266
ALUMI CRAFT INC EPA ID:: CAL000313817	10815 WHEATLANDS AVE	SW 0 - 1/8 (0.088 mi.)	H46	269
ALUMICRAFT LLC	10815 WHEATLANDS AVE	SW 0 - 1/8 (0.088 mi.)	H47	272

EPA ID:: CAL000463276				
ALUMICRAFT LLC EPA ID:: CAL000463278	10815 WHEATLANDS AVE	SW 0 - 1/8 (0.088 mi.)	H49	299
ALUMICRAFT LLC EPA ID:: CAL000463277	10815 WHEATLANDS AVE	SW 0 - 1/8 (0.088 mi.)	H50	302
SANTEE COLLISION CEN EPA ID:: CAL000325001	9356 WHEATLANDS RD	SSW 0 - 1/8 (0.096 mi.)	I51	304
SCANTIBODIES LABORAT EPA ID:: CAL000325136	9343 WHEATLANDS RD	SSW 0 - 1/8 (0.121 mi.)	I56	323
CHULA VISTA ELECTRIC EPA ID:: CAL000398849	9344 WHEATLANDS RD	SSW 1/8 - 1/4 (0.128 mi.)	I58	344
JIMCO RACING INC EPA ID:: CAL000453201	9335 STEVENS RD	SW 1/8 - 1/4 (0.136 mi.)	H60	356
MASTERCRAFT MOTORSPO EPA ID:: CAL000405613	9335 STEVENS RD	SW 1/8 - 1/4 (0.136 mi.)	H63	366
RAFI GORGES EPA ID:: CAC003008755	11140 MEADOW TERRACE	ESE 1/8 - 1/4 (0.144 mi.)	K64	368
JENNIFER JONES EPA ID:: CAC003130545	9253 BLOOMDALE ST.	SE 1/8 - 1/4 (0.166 mi.)	65	371
JORGE CONTRERAS EPA ID:: CAC003180076	11203 VIA MADONNA	ESE 1/8 - 1/4 (0.187 mi.)	K70	411
ASHLYNN MARKETING GR EPA ID:: CAC003052571	10870 HARTLEY RD #B	SW 1/8 - 1/4 (0.198 mi.)	M79	510
ASHLYNN MARKETING GR EPA ID:: CAC003118281	10870 HARTLEY RD	SW 1/8 - 1/4 (0.198 mi.)	M80	513
ASHLYNN MARKETING GR EPA ID:: CAC003038393	10870 HARTLEY RD STE	SW 1/8 - 1/4 (0.198 mi.)	M81	515
ACCURATE AIR ENGINEE EPA ID:: CAL000359247	9356 ABRAHAM WAY	WSW 1/8 - 1/4 (0.205 mi.)	O82	518
STREET TRENZ INC EPA ID:: CAL000464248	9356 ABRAHAM WAY	WSW 1/8 - 1/4 (0.205 mi.)	O85	580
MATHY MACHINE INC EPA ID:: CAD982028144	9315 WHEATLANDS, #B	SSW 1/8 - 1/4 (0.207 mi.)	N87	596
EASTWOOD MACHINE LLC EPA ID:: CAL000400233	9346 ABRAHAM WAY	WSW 1/8 - 1/4 (0.214 mi.)	P92	634
DISCFLO CORP EPA ID:: CAL000287207	10850 HARTLEY RD	SW 1/8 - 1/4 (0.214 mi.)	Q93	636
CHARLES HELMER EPA ID:: CAC003067834	9247 VIA ANITA	ESE 1/8 - 1/4 (0.216 mi.)	95	662
AMY SKINNER EPA ID:: CAC003024825	9240 NORTHCOTE ROAD	ESE 1/8 - 1/4 (0.220 mi.)	96	664
A-I-M PLASTICS INC EPA ID:: CAL000205165	9326 ABRAHAM WAY	WSW 1/8 - 1/4 (0.225 mi.)	P99	684
CARLOS MERCADO EPA ID:: CAC003088865	9211 BLOOMDALE ST	SE 1/8 - 1/4 (0.246 mi.)	101	690
SPECIALTY METALS FAB	11222 WOODSIDE AVE	E 1/8 - 1/4 (0.247 mi.)	102	693

EPA ID:: CAL000305980

Lower Elevation	Address	Direction / Distance	Map ID	Page
AM/PM PAINTING & FIN EPA ID:: CAL000324752	9435 WHEATLANDS CT S	W 0 - 1/8 (0.021 mi.)	B3	23
SUSPENSION DEVELOPME EPA ID:: CAC003035873	9435 WHEATLANDS CT	W 0 - 1/8 (0.021 mi.)	B4	25
KIFER HYDRAULICS CO EPA ID:: CAL000393149	9440 WHEATLANDS CT S	W 0 - 1/8 (0.078 mi.)	G43	259
QUALITY CONTROLLED M EPA ID:: CAL000332740	9429 ABRAHAM WAY	W 1/8 - 1/4 (0.170 mi.)	L66	373
AYMAR ENGINEERING EPA ID:: CAL000422384	9434 ABRAHAM WAY	W 1/8 - 1/4 (0.195 mi.)	L75	497
CALIFORNIA CRAFTED M EPA ID:: CAL000363925	9366 ABRAHAM WAY	WSW 1/8 - 1/4 (0.197 mi.)	O76	499
CALIFORNIA CRAFTED M EPA ID:: CAC003167212 EPA ID:: CAC003153628	9366 ABRAHAM WAY	WSW 1/8 - 1/4 (0.197 mi.)	O77	502
SOUTH BAY FOUNDRY EPA ID:: CAC002972916	9444 ABRAHAM WAY	W 1/8 - 1/4 (0.207 mi.)	L89	619
SOUTH BAY FOUNDRY IN EPA ID:: CAL000378761	9444 ABRAHAM WAY	W 1/8 - 1/4 (0.207 mi.)	L90	622

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 05/11/2022 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARMY CAMP (SANTEE)		SSW 1/2 - 1 (0.757 mi.)	T106	805

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 06/21/2022 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANTHONY T. DITTY	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S104***	***800***
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANTHONY T. DITTY Reg Id: 9UT938	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S104***	***800***

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 06/10/2022 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EDGEMORE HOSPITAL		WSW 1/2 - 1 (0.841 mi.)	110	821

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

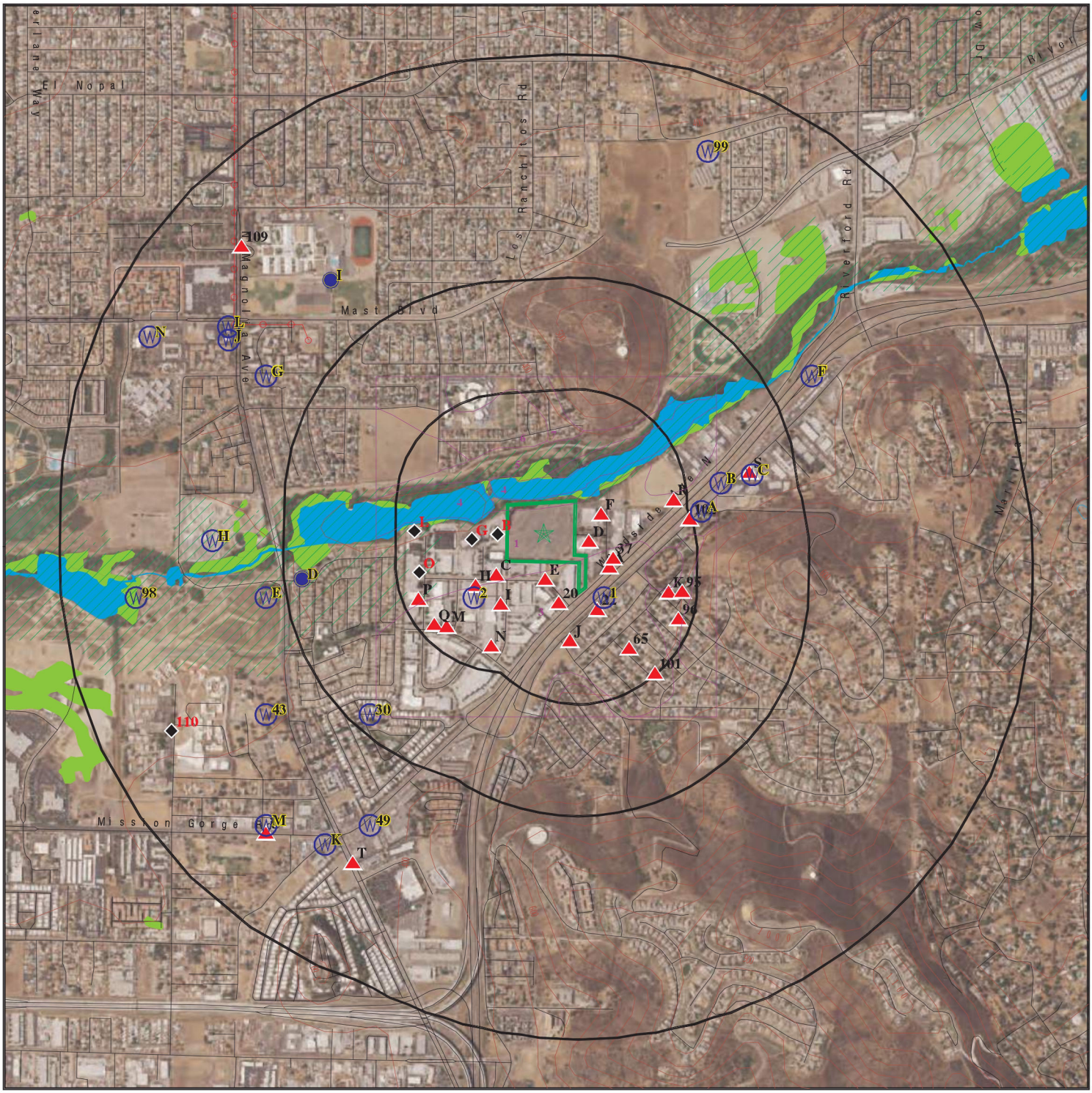
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOSCO MARKETING COMP	11007 WOODSIDE AVE	SSE 0 - 1/8 (0.108 mi.)	J54	321

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
KEPHART DUMP	SWF/LF
ARCO FACILITY NO. 9760	San Diego Co. HMMD

OVERVIEW MAP - 7126896.2S

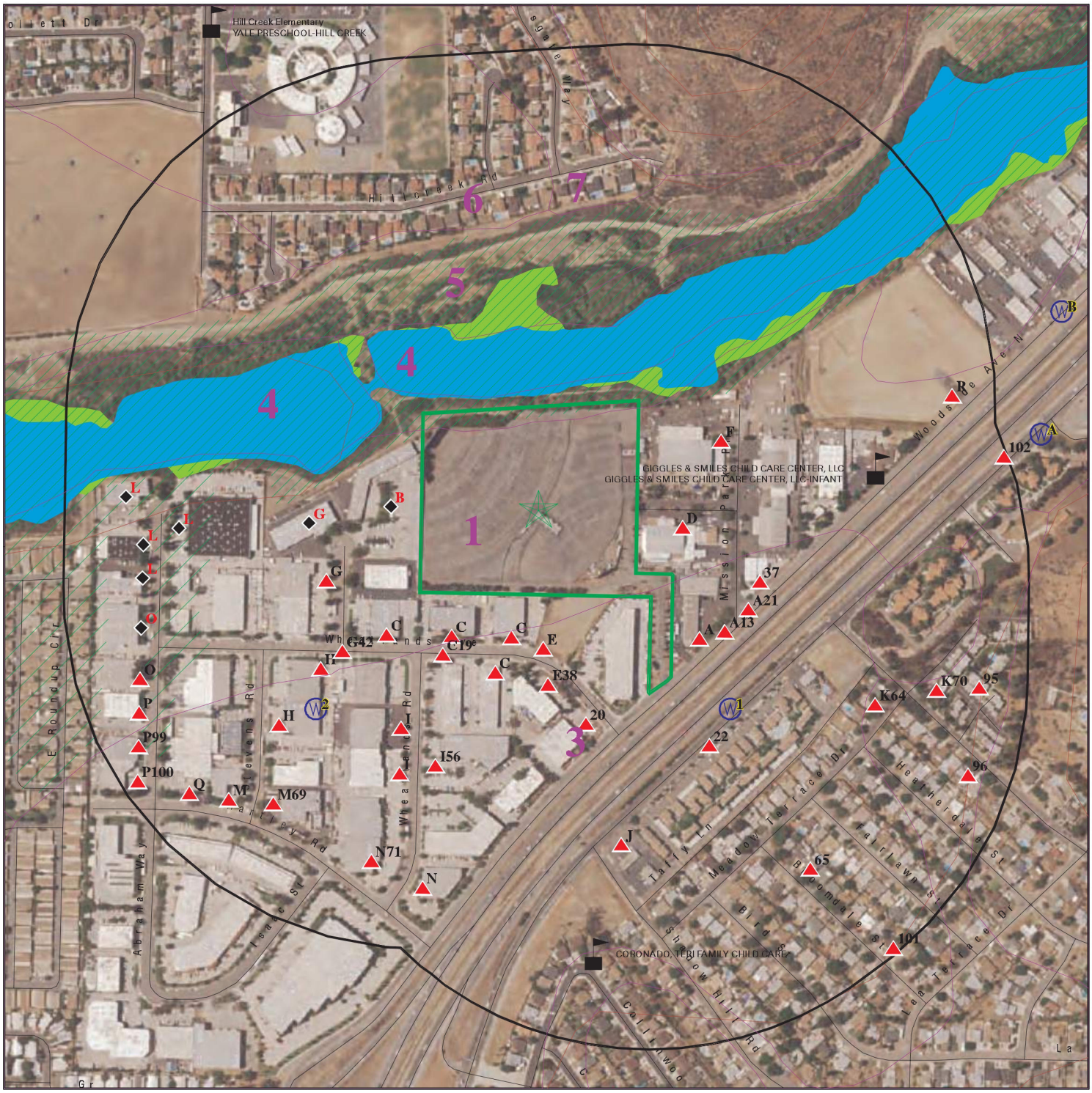


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 10990 WOODSIDE AVE N ADDRESS: 10990 WOODSIDE AVE N SANTEE CA 92071 LAT/LONG: 32.848148 / 116.959312	CLIENT: Hazard Management Consulting CONTACT: Troy Taylor INQUIRY #: 7126896.2s DATE: September 22, 2022 6:15 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 7126896.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 10990 WOODSIDE AVE N ADDRESS: 10990 WOODSIDE AVE N SANTEE CA 92071 LAT/LONG: 32.848148 / 116.959312	CLIENT: Hazard Management Consulting CONTACT: Troy Taylor INQUIRY #: 7126896.2s DATE: September 22, 2022 6:16 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		1	1	NR	NR	NR	2
RCRA-SQG	0.250		10	5	NR	NR	NR	15
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	1	NR	1
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		1	0	0	3	NR	4
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	2	NR	NR	2
SAN DIEGO CO. SAM	0.500		2	0	1	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		2	0	1	NR	NR	3
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	0	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
San Diego Co. HMMD	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		11	12	NR	NR	NR	23
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	1	NR	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HIST UST	0.250		1	2	NR	NR	NR	3
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		27	25	NR	NR	NR	52
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	1	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
SAN DIEGO CO LOP	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	60	46	6	7	0	119

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
SE
< 1/8
0.020 mi.
103 ft.

AUTOFAB
10996 WOODSIDE AVE N STE F
SANTEE, CA 92071

Site 1 of 4 in cluster A

RCRA NonGen / NLR

1025865557
CAL000000371

Relative:
Higher

Actual:
362 ft.

RCRA Listings:

Date Form Received by Agency:		20191015
Handler Name:	AUTOFAB	
Handler Address:		10996 WOODSIDE AVE N STE F
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAL000000371
Contact Name:		JOHN EHMKE
Contact Address:		WOODSIDE AVE N STE F
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-562-1740
Contact Fax:		619-562-6151
Contact Email:		JOHN@AUTOFAB.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		CA
State District:		CA
Mailing Address:		WOODSIDE AVE N STE F
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	JOHN EHMKE	
Owner Type:		Private
Operator Name:	JOHN EHMKE	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

AUTOFAB (Continued) **1025865557**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191022
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JOHN EHMKE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10996 WOODSIDE AVE N STE F
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-1740
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: JOHN EHMKE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10996 WOODSIDE AVE N STE F
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-1740
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

AUTOFAB (Continued) **1025865557**

Historic Generators:
Receive Date: 20191015
Handler Name: AUTOFAB
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A2 **C & H AUTO BODY & PAINT** **CERS HAZ WASTE** **1006826408**
SE **10996 WOODSIDE AVE N STE A&B** **EMI** **N/A**
< 1/8 **SANTEE, CA 92071** **CERS**
0.020 mi. **HWTS**
103 ft. **Site 2 of 4 in cluster A**

Relative:
Higher

Actual:
362 ft.

CERS HAZ WASTE:
Name: AUTOFAB
Address: 10996 WOODSIDE AVE N
City,State,Zip: SANTEE, CA 92071
Site ID: 9747
CERS ID: 10376974
CERS Description: Hazardous Waste Generator

Name: C & H AUTO BODY & PAINT
Address: 10996 WOODSIDE AVE N STE A&B
City,State,Zip: SANTEE, CA 92071
Site ID: 100837
CERS ID: 10376866
CERS Description: Hazardous Waste Generator

EMI:
Name: C&H AUTO BODY & PAINT
Address: 10996 WOODSIDE AV N #A&B
City,State,Zip: SANTEE, CA 92071
Year: 1999
County Code: 37
Air Basin: SD
Facility ID: 5454
Air District Name: SD

C & H AUTO BODY & PAINT (Continued) **1006826408**

SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	C&H AUTO BODY & PAINT
Address:	10996 WOODSIDE AV N #A&B
City,State,Zip:	SANTEE, CA 92071
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	5454
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	C&H AUTO BODY & PAINT
Address:	10996 WOODSIDE AV N #A&B
City,State,Zip:	SANTEE, CA 92071
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	5454
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	C&H AUTO BODY & PAINT
Address:	10996 WOODSIDE AV N
City,State,Zip:	SANTEE, CA 92071
Year:	2002
County Code:	37

C & H AUTO BODY & PAINT (Continued) **1006826408**

Air Basin:	SD
Facility ID:	5454
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	C&H AUTO BODY & PAINT
Address:	10996 WOODSIDE AV N #A&B
City,State,Zip:	SANTEE, CA 92071
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	5454
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	C&H AUTO BODY & PAINT
Address:	10996 WOODSIDE AV N #A&B
City,State,Zip:	SANTEE, CA 92071
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	5454
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.390308319
Reactive Organic Gases Tons/Yr:	0.359985
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	C&H AUTO BODY & PAINT
Address:	10996 WOODSIDE AV N #A&B

C & H AUTO BODY & PAINT (Continued) **1006826408**

City,State,Zip:	SANTEE, CA 92071
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	5454
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.390308319
Reactive Organic Gases Tons/Yr:	.359985
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	C&H AUTO BODY & PAINT
Address:	10996 WOODSIDE AV N #A&B
City,State,Zip:	SANTEE, CA 92071
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	5454
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.64
Reactive Organic Gases Tons/Yr:	1.55
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	C&H AUTO BODY & PAINT
Address:	10996 WOODSIDE AV N #A&B
City,State,Zip:	SANTEE, CA 92071
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	5454
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.64
Reactive Organic Gases Tons/Yr:	1.55
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

C & H AUTO BODY & PAINT (Continued) **1006826408**

Name:	C&H AUTO BODY & PAINT
Address:	10996 WOODSIDE AV N #A&B
City,State,Zip:	SANTEE, CA 92071
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	5454
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.64
Reactive Organic Gases Tons/Yr:	1.55
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	C&H AUTO BODY & PAINT
Address:	10996 WOODSIDE AV N #A&B
City,State,Zip:	SANTEE, CA 92071
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	5454
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.6399999999999999
Reactive Organic Gases Tons/Yr:	1.55
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	C&H AUTO BODY & PAINT
Address:	10996 WOODSIDE AV N #A&B
City,State,Zip:	SANTEE, CA 92071
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	5454
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.6399999999999999
Reactive Organic Gases Tons/Yr:	1.55
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

C & H AUTO BODY & PAINT (Continued) **1006826408**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

CERS:
Name: C & H AUTO BODY & PAINT
Address: 10996 WOODSIDE AVE N STE A&B
City,State,Zip: SANTEE, CA 92071
Site ID: 100837
CERS ID: 10376866
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6296362
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:4891063
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5784516
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Document Preparer
Entity Name: HOWARD TRAMPUS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

C & H AUTO BODY & PAINT (Continued) **1006826408**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: HOWARD TRAMPUS
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: HOWARD TRAMPUS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 562-7334,

Affiliation Type Desc: Property Owner
Entity Name: GALGUT BRIGITTE SEPARATE PROPER
Entity Title: Not reported
Affiliation Address: 3334 MILLIKIN AVE
Affiliation City: SAN DIEGO
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92122
Affiliation Phone: (619) 933-1183,

Affiliation Type Desc: Environmental Contact
Entity Name: HOWARD TRAMPUS
Entity Title: Not reported
Affiliation Address: 10996 N WODSIDE AV A&B
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 10996 N WOODSIDE AV A&B
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071-2833
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: HOWARD TRAMPUS
Entity Title: Not reported
Affiliation Address: 10996 Woodside Ave N Ste A&B

C & H AUTO BODY & PAINT (Continued) **1006826408**

Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 562-7333,
Affiliation Type Desc:	Parent Corporation
Entity Name:	C & H AUTO BODY & PAINT
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Name:	AUTOFAB
Address:	10996 WOODSIDE AVE N
City,State,Zip:	SANTEE, CA 92071
Site ID:	9747
CERS ID:	10376974
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	9747
Site Name:	AUTOFAB
Violation Date:	10-15-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 10/15/2019. Inspection Sequence ID:6290154
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	9747
Site Name:	AUTOFAB
Violation Date:	10-15-2019
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 12/12/2019. Inspection Sequence ID:6290154
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	9747
Site Name:	AUTOFAB
Violation Date:	10-17-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

C & H AUTO BODY & PAINT (Continued) **1006826408**

Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/24/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 9747
Site Name: AUTOFAB
Violation Date: 10-15-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/12/2019. Inspection Sequence ID:6290154
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-04-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Schiess Romina Inspection ID:4093888
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6290154
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5774190
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:4953847
Eval Division: San Diego County Department of Env Health
Eval Program: HW

C & H AUTO BODY & PAINT (Continued) **1006826408**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6290154
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5774190
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:4953847
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-04-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Schiess Romina Inspection ID:4093888
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 9747
Facility Name: AUTOFAB
Env Int Type Code: HWG
Program ID: 10376974
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.846890
Longitude: -116.957440

Affiliation:
Affiliation Type Desc: Operator
Entity Name: JOHN R EHMKE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

C & H AUTO BODY & PAINT (Continued) **1006826408**

Affiliation Zip: Not reported
Affiliation Phone: (619) 562-1740,

Affiliation Type Desc: Environmental Contact
Entity Name: John Ehmke
Entity Title: Not reported
Affiliation Address: 10996 Woodside Ave N., #F
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Identification Signer
Entity Name: JOHN EHMKE
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 10996 N WOODSIDE AVE #F
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: John Ehmke
Entity Title: Not reported
Affiliation Address: 10996 Woodside ave N ste F
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (619) 562-1740,

Affiliation Type Desc: Parent Corporation
Entity Name: AUTOFAB
Entity Title: Not reported
Affiliation Address: Not reported

C & H AUTO BODY & PAINT (Continued) **1006826408**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	AUTOFAB
Address:	10996 WOODSIDE AVE N
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000000371
Inactive Date:	06/30/2020
Create Date:	11/14/1989
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	10996 WOODSIDE AVE N
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 920712838
Owner Name:	JOHN EHMKE
Owner Address:	10996 WOODSIDE AVE N
Owner Address 2:	Not reported
Owner City,State,Zip:	SANTEE, CA 920712838
Contact Name:	JOHN EHMKE
Contact Address:	10996 WOODSIDE AVE N
Contact Address 2:	Not reported
City,State,Zip:	SANTEE, CA 920712838
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.84683
Longitude:	-116.95745

NAICS:

EPA ID:	CAL000000371
Create Date:	2019-10-22 15:52:42.033
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	1989-11-14 00:00:00
Inactive Date:	2020-06-30 00:00:00
Facility Name:	AUTOFAB
Facility Address:	10996 WOODSIDE AVE N
Facility Address 2:	Not reported
Facility City:	SANTEE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920712838

B3 **AM/PM PAINTING & FINISHING INC** **RCRA NonGen / NLR** **1026825569**
West **9435 WHEATLANDS CT STE E** **CAL000324752**
< 1/8 **SANTEE, CA 92071**
0.021 mi.
112 ft. **Site 1 of 2 in cluster B**

Relative: **Lower**

Actual: **355 ft.**

RCRA Listings:

Date Form Received by Agency:	20210825
Handler Name:	AM/PM PAINTING & FINISHING INC
Handler Address:	9435 WHEATLANDS CT STE E
Handler City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000324752
Contact Name:	CONNIE MARTIN
Contact Address:	BERNITA RD
Contact City,State,Zip:	EL CAJON, CA 92020
Contact Telephone:	619-778-8839
Contact Fax:	Not reported
Contact Email:	COURAGEOUSCOMIC@COX.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	BERNITA RD
Mailing City,State,Zip:	EL CAJON, CA 92020
Owner Name:	AM/PM PAINTING & FINISHING INC
Owner Type:	Other
Operator Name:	AM/PM PAINTING & FINISHING INC
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

AM/PM PAINTING & FINISHING INC (Continued) **1026825569**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210827
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: AM/PM PAINTING & FINISHING INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	998 BERNITA RD
Owner/Operator City,State,Zip:	EL CAJON, CA 92020
Owner/Operator Telephone:	619-778-8839
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: AM/PM PAINTING & FINISHING INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	998 BERNITA RD
Owner/Operator City,State,Zip:	EL CAJON, CA 92020
Owner/Operator Telephone:	619-778-8839
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

AM/PM PAINTING & FINISHING INC (Continued) **1026825569**

Historic Generators:
Receive Date: 20210825
Handler Name: AM/PM PAINTING & FINISHING INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B4 **SUSPENSION DEVELOPMENT GROUP** **RCRA NonGen / NLR** **1025855596**
West **9435 WHEATLANDS CT** **CAC003035873**
< 1/8 **SANTEE, CA 92071**
0.021 mi.
112 ft. **Site 2 of 2 in cluster B**

Relative: **Lower**
Actual: **355 ft.**

RCRA Listings:
Date Form Received by Agency: 20190926
Handler Name: SUSPENSION DEVELOPMENT GROUP
Handler Address: 9435 WHEATLANDS CT
Handler City,State,Zip: SANTEE, CA 92071
EPA ID: CAC003035873
Contact Name: JASON DUNCAN
Contact Address: 9435 WHEATLANDS CT
Contact City,State,Zip: SANTEE, CA 92071
Contact Telephone: 619-988-1734
Contact Fax: Not reported
Contact Email: SDGSHOCKS@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 9435 WHEATLANDS CT
Mailing City,State,Zip: SANTEE, CA 92071
Owner Name: JASON DUNCAN
Owner Type: Other

SUSPENSION DEVELOPMENT GROUP (Continued) **1025855596**

Operator Name:	JASON DUNCAN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190927
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

SUSPENSION DEVELOPMENT GROUP (Continued) **1025855596**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JASON DUNCAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9435 WHEATLANDS CT
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-988-1734
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: JASON DUNCAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9435 WHEATLANDS CT
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-988-1734
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190926
Handler Name:	SUSPENSION DEVELOPMENT GROUP
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C5
SW
< 1/8
0.030 mi.
159 ft.

CALIBER COLLISION CENTERS
10910 WHEATLANDS AVE
SANTEE, CA 92071

Site 1 of 14 in cluster C

RCRA NonGen / NLR | **1026828479** | **CAL000463473**

Relative:
Higher

Actual:
359 ft.

RCRA Listings:

Date Form Received by Agency:		20210618
Handler Name:	CALIBER COLLISION CENTERS	
Handler Address:		10910 WHEATLANDS AVE
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAL000463473
Contact Name:		SHARON LAWRENCE
Contact Address:		2941 LAKE VISTA DR
Contact City,State,Zip:		LEWISVILLE, TX 75067
Contact Telephone:		469-948-9500
Contact Fax:		972-906-7214
Contact Email:		LICENSEANDPERMITS@CALIBERCOLLISION.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2941 LAKE VISTA DR
Mailing City,State,Zip:		LEWISVILLE, TX 75067
Owner Name:	CALIBER BODYWORKS INC	
Owner Type:		Other
Operator Name:	SHARON LAWRENCE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CALIBER COLLISION CENTERS (Continued) **1026828479**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210618
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SHARON LAWRENCE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2941 LAKE VISTA DR
Owner/Operator City,State,Zip:	LEWISVILLE, TX 75067
Owner/Operator Telephone:	469-948-9500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CALIBER BODYWORKS INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2941 LAKE VISTA DR
Owner/Operator City,State,Zip:	LEWISVILLE, TX 75067
Owner/Operator Telephone:	469-948-9500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CALIBER COLLISION CENTERS (Continued) **1026828479**

Historic Generators:
Receive Date: 20210618
Handler Name: CALIBER COLLISION CENTERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C6 **CALIBER COLLISION CENTER - SANTEE** **San Diego Co. HMMD** **S104745416**
SW **10910 WHEATLANDS AVE** **CERS HAZ WASTE** **N/A**
< 1/8 **SANTEE, CA 92071** **HAZNET**
0.030 mi. **CERS**
159 ft. **Site 2 of 14 in cluster C** **HWTS**

Relative: Higher
Actual: 359 ft.

HMMD SAN DIEGO:
Name: CALIBER COLLISION CENTER - SANTEE
Address: 10910 WHEATLANDS AVE
City,State,Zip: SANTEE, CA 92071
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000463473
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 469-948-9500
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 05/21/2022
Facility Owner: Not reported
Facility Mailing Address: 2941 Lake Vista, Lewisville, TX 75067
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Inspection Violation:

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102100
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4113322
Return To Compliance Date:	2015-01-27T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-21T00:00:00.000
Inspection Date:	2015-01-27T00:00:00.000
Violation Code:	1010008 Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. For facilities with invenntory that exceed EPCRA thresholds; failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages HSC 6.95 25508.2 / 19 CCR 4 2729.5(c)

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102100
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6054928
Return To Compliance Date:	2018-12-21T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-21T00:00:00.000
Inspection Date:	2018-12-03T17:37:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102100
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5596200
Return To Compliance Date:	2017-02-02T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-21T00:00:00.000
Inspection Date:	2016-11-30T16:56:00.000
Violation Code:	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102100
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4113322
Return To Compliance Date:	2015-01-27T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-21T00:00:00.000
Inspection Date:	2015-01-27T00:00:00.000
Violation Code:	1010002 Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet; HSC 6.95 25508(a)1A

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102100
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6054928
Return To Compliance Date:	2018-12-21T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-21T00:00:00.000
Inspection Date:	2018-12-03T17:37:00.000
Violation Code:	3010010 Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)

Waste and Materials:

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HWAST-0290618
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-05-21T02:30:58.000
Chemical Name:	Waste Bondo Dust
Common Name:	Waste Bondo Dust
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HWAST-0290619
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-05-21T02:30:58.000
Chemical Name:	Waste Aerosol Cans

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Common Name: Waste Aerosol Cans
Case Number: Not reported

Record ID: DEH2002-HUPFP-102100
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0290620
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-21T02:30:58.000
Chemical Name: Waste Paint Cups & Liners
Common Name: Waste Paint Cups & Liners
Case Number: Not reported

Record ID: DEH2002-HUPFP-102100
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0290621
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-21T02:30:58.000
Chemical Name: Waste Absorbent
Common Name: Waste Absorbent
Case Number: Not reported

Record ID: DEH2002-HUPFP-102100
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0143213
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-07-11T02:30:48.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-102100
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0143214
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-07-11T02:30:48.000
Chemical Name: ARGON GAS
Common Name: ARGON GAS
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-102100
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0121938
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-07-11T02:30:48.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED HYDRAULIC OIL, EDM
Case Number: Not reported

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0121939
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-07-11T02:30:48.000
Chemical Name:	Not reported
Common Name:	MACHINE COOLANT WASTE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0121580
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-12-02T00:33:59.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	74-98-6

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0121581
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-12-02T00:33:59.000
Chemical Name:	ARGON GAS
Common Name:	ARGON GAS
Case Number:	7440-37-1

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0121582
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-12-02T00:33:59.000
Chemical Name:	Argon Liquid
Common Name:	Argon Liquid
Case Number:	7440-37-1

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0101682
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-12-02T00:34:00.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED HYDRAULIC OIL, EDM
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102100
Permit Status:	Permit Renewed

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Active Permit: Y
Child Record Id: DEH2016-HWAST-0101683
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-12-02T00:34:00.000
Chemical Name: Not reported
Common Name: MACHINE COOLANT WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-102100
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0323449
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-05-21T02:30:58.000
Chemical Name: Water Based Paint
Common Name: Water Based Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-102100
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0323450
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-05-21T02:30:58.000
Chemical Name: Solvent Based Paint & Thinners
Common Name: Solvent Based Paint & Thinners
Case Number: Not reported

Record ID: DEH2002-HUPFP-102100
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0290614
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-21T02:30:58.000
Chemical Name: Waste Water Based Paint
Common Name: Waste Water Based Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-102100
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0290615
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-21T02:30:58.000
Chemical Name: Waste Oil
Common Name: Waste Oil
Case Number: Not reported

Record ID: DEH2002-HUPFP-102100
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0290616

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-21T02:30:58.000
Chemical Name: Waste Antifreeze
Common Name: Waste Antifreeze
Case Number: Not reported

Record ID: DEH2002-HUPFP-102100
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0290617
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-21T02:30:58.000
Chemical Name: Waste Solvent Based Paint & Thinners
Common Name: Waste Solvent Based Paint & Thinners
Case Number: Not reported

Name: OLSON IRRIGATION SYSTEMS
Address: 10910 WHEATLANDS AV
City,State,Zip: SANTEE, CA 92071
Permit Number: 102100
Business Type: 6HK77
EPA Id Number: CAL000036718
APN: 381-540-09-00
Last HMMD Inspection: 10/10/2011
Facility Telephone: 619-562-3100
Permit Status: OPEN
Permit Expiration: 07/31/2013
Date Last Updated: 11/02/2012
Facility Owner: DONALD OLSON
Facility Mailing Address: 10910 WHEATLANDS AV
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071-2867
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 102100
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 102100
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Other Information: DTE HYDRAULIC, EDM
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 102100
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 102100
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED HYDROLIC OIL, EMD, OILY WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102100
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: WASTE NAPTHA SOLVENT CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102100
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: SIX FILTERS PER YEAR
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 102100
Update Date: 11/02/2012
Inspection Date: 02/05/2009
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity: ACTIVE

Permit Number: 102100
Update Date: 11/02/2012
Inspection Date: 02/05/2009
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Activity:	ACTIVE
Permit Number:	102100
Update Date:	11/02/2012
Inspection Date:	02/05/2009
Violation Code:	6HV0133
Violation:	MANIFEST COPY NOT SENT TO DTSC
Violation Citation:	Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity:	ACTIVE
Permit Number:	102100
Update Date:	11/02/2012
Inspection Date:	02/05/2009
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Permit Number:	102100
Update Date:	11/02/2012
Inspection Date:	02/05/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	102100
Update Date:	11/02/2012
Inspection Date:	10/10/2011
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	102100
Update Date:	11/02/2012
Inspection Date:	10/10/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	102100
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Permit Number: 102100
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

CERS HAZ WASTE:
Name: CALIBER COLLISION CENTER - SANTEE
Address: 10910 WHEATLANDS AVE
City,State,Zip: SANTEE, CA 92071
Site ID: 576642
CERS ID: 10376776
CERS Description: Hazardous Waste Generator

HAZNET:
No Details: No Details

CERS:
Name: CALIBER COLLISION CENTER - SANTEE
Address: 10910 WHEATLANDS AVE
City,State,Zip: SANTEE, CA 92071
Site ID: 576642
CERS ID: 10376776
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 576642
Site Name: Caliber Collision Center - Santee
Violation Date: 01-27-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/27/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 576642
Site Name: Caliber Collision Center - Santee
Violation Date: 11-30-2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 02/02/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Site ID: 576642
Site Name: Caliber Collision Center - Santee
Violation Date: 12-03-2018
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 12/21/2018. Inspection Sequence ID:6054928
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 576642
Site Name: Caliber Collision Center - Santee
Violation Date: 01-27-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 01/27/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 576642
Site Name: Caliber Collision Center - Santee
Violation Date: 12-03-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/21/2018. Inspection Sequence ID:6054928
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-27-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4113322
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5596200
Eval Division: San Diego County Department of Env Health

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-03-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6054928
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-27-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4113322
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-03-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6054928
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5596200
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 576642
Facility Name: Caliber Collision Center - Santee
Env Int Type Code: HMBP
Program ID: 10376776
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.847020
Longitude: -116.960360

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Caliber Bodyworks Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(469) 948-9500,
Affiliation Type Desc:	Property Owner
Entity Name:	Olson Family Trust & Baldwin Family Trust
Entity Title:	Not reported
Affiliation Address:	7934 Pasadena Avenue
Affiliation City:	La Mesa
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 997-7934,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Khurram Kazmi
Entity Title:	Not reported
Affiliation Address:	7871 Cherry Ave
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92336
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2941 Lake Vista
Affiliation City:	Lewisville
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75067
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Caliber Bodyworks, Inc. dba Caliber Collision Centers
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Ali Kahl
Entity Title:	Not reported

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Lisa Fishtrom
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Caliber Bodyworks LLC
Entity Title:	Not reported
Affiliation Address:	2941 Lake Vista
Affiliation City:	Lewisville
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75067
Affiliation Phone:	(469) 948-9500,

HWTS:

Name:	CALIBER COLLISION CENTERS
Address:	10910 WHEATLANDS AVE
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000463473
Inactive Date:	Not reported
Create Date:	06/18/2021
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2941 LAKE VISTA DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LEWISVILLE, TX 750670000
Owner Name:	CALIBER COLIISION BODYWORKS LLC
Owner Address:	2941 LAKE VISTA DR
Owner Address 2:	Not reported
Owner City,State,Zip:	LEWISVILLE, TX 750670000
Contact Name:	SHARON LAWRENCE
Contact Address:	2941 LAKE VISTA DR
Contact Address 2:	Not reported
City,State,Zip:	LEWISVILLE, TX 75067
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.84702299
Longitude:	-116.960356

NAICS:

EPA ID:	CAL000463473

CALIBER COLLISION CENTER - SANTEE (Continued) **S104745416**

Create Date:	2021-06-18 08:20:05.903
NAICS Code:	811121
NAICS Description:	Automotive Body, Paint, and Interior Repair and Maintenance
Issued EPA ID Date:	2021-06-18 08:20:05.90300
Inactive Date:	Not reported
Facility Name:	CALIBER COLLISION CENTERS
Facility Address:	10910 WHEATLANDS AVE
Facility Address 2:	Not reported
Facility City:	SANTEE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92071

C7 **OLSON IRRIGATION SYSTEMS** **RCRA NonGen / NLR** **1024787740**
SW **10910 WHEATLANDS AVE** **CAL000036718**
< 1/8 **SANTEE, CA 92071**
0.030 mi.
159 ft. **Site 3 of 14 in cluster C**

Relative: **Higher**
Actual: **359 ft.**

RCRA Listings:

Date Form Received by Agency:		19900801
Handler Name:	OLSON IRRIGATION SYSTEMS	
Handler Address:		10910 WHEATLANDS AVE
Handler City,State,Zip:		SANTEE, CA 92071-0000
EPA ID:		CAL000036718
Contact Name:		ROXANNE SAMPLE
Contact Address:		10910 WHEATLANDS AVE
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-562-3100
Contact Fax:		619-562-2724
Contact Email:		RS@OLSONIRRIGATION.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 711570
Mailing City,State,Zip:		SANTEE, CA 92072
Owner Name:	OLSON IRRIGATION SYSTEMS	
Owner Type:		Other
Operator Name:	ROXANNE SAMPLE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No

OLSON IRRIGATION SYSTEMS (Continued) **1024787740**

Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: OLSON IRRIGATION SYSTEMS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10910 WHEATLANDS AVE
Owner/Operator City,State,Zip:	SANTEE, CA 92071-2867
Owner/Operator Telephone:	619-562-3100
Owner/Operator Telephone Ext:	Not reported

OLSON IRRIGATION SYSTEMS (Continued) **1024787740**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ROXANNE SAMPLE
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 10910 WHEATLANDS AVE
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-562-3100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19900801
Handler Name: OLSON IRRIGATION SYSTEMS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 339999
NAICS Description: ALL OTHER MISCELLANEOUS MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C8 **MIRAGE RACING PRODUCTS** **San Diego Co. HMMD** **S112927628**
SSW **10928 WHEATLANDS AV #B** **CERS HAZ WASTE** **N/A**
< 1/8 **SANTEE, CA 92071** **HAZNET**
0.030 mi. **NPDES**
160 ft. **Site 4 of 14 in cluster C** **CERS**
HWTS

Relative: Higher

Actual: 360 ft.

HMMD SAN DIEGO:
Name: AGILE OFF ROAD
Address: 10928 WHEATLANDS AVE B
City,State,Zip: SANTEE, CA 92071-7123
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000436462
APN: Not reported
Last HMMD Inspection: Not reported

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Facility Telephone:	619/328-1297
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	07/30/2021
Facility Owner:	Not reported
Facility Mailing Address:	10928 WHEATLANDS AV #B, SANTEE, CA 92071
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-207427
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4085567
Return To Compliance Date:	2015-09-16T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2015-07-09T00:00:00.000
Violation Code:	3110001 RCRA: Failure to obtain and/or maintain an Active EPA ID. 22 CCR 12 66262.12.

Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-207427
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4085567
Return To Compliance Date:	2015-09-16T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2015-07-09T00:00:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2

Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-207427
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Inspection Number:	5695230
Return To Compliance Date:	2017-08-23T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2017-06-20T16:50:00.000
Violation Code:	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-207427
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Status Verification
Inspection Number:	5957162
Return To Compliance Date:	2018-05-31T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2018-05-08T15:20:00.000
Violation Code:	HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905; 68.906, 68.907

Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-207427
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6334239
Return To Compliance Date:	2021-05-13T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2021-05-13T00:00:00.000
Violation Code:	1010008 HMBP not certified as complete and accurate in CERS by the required due date. HSC 25508.2, 19 CCR 2654(b)

Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-207427
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6334239
Return To Compliance Date:	2021-06-02T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2021-05-13T00:00:00.000
Violation Code:	3030010 Accumulated waste too long (>180 or 270 days) or (>90 days). HSC 25201(a), 25123.3(h)(1); 22 CCR 66262.34 (b), 66262.34(d); 40 CFR 262.34(e) and/or (f)
Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-207427
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4085567
Return To Compliance Date:	2015-09-16T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2015-07-09T00:00:00.000
Violation Code:	1010002 HMBP not submitted to the CUPA in CERS. HSC 25508(a)(1)(A); HSC 25404(e)(4); 27 CCR 15188(a), (d)
Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-207427
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4085567
Return To Compliance Date:	2015-09-16T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2015-07-09T00:00:00.000
Violation Code:	1010003 Business Activities and/or Business Owner/Operator Identification not completed in CERS. 19 CCR 2729.2(a)(1); HSC 25404(e)(4)
Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-207427
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6334239
Return To Compliance Date:	2021-06-02T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2021-05-13T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety

MIRAGE RACING PRODUCTS (Continued) **S112927628**

procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Waste and Materials:

Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0182853
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-06-25T02:34:48.000
Chemical Name:	Oxygen
Common Name:	Oxygen Gas
Case Number:	7782-44-7

Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0156959
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-06-25T02:34:48.000
Chemical Name:	Waste Oil
Common Name:	Waste Oil
Case Number:	Not reported

Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0156960
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-06-25T02:34:48.000
Chemical Name:	Parts Washer Waste
Common Name:	Parts Washer Waste
Case Number:	Not reported

Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HCHEM-0078146
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-11-15T02:31:46.000
Chemical Name:	ARGON GAS/CARBON DIOXIDE
Common Name:	MIG MIX/STEEL MIX
Case Number:	7440-37-1

Record ID:	DEH2006-HUPFP-207427
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HCHEM-0078147
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-11-15T02:31:46.000
Chemical Name:	OXYGEN GAS

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2006-HUPFP-207427
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HCHEM-0078148
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-11-15T02:31:46.000
Chemical Name: ACETYLENE GAS
Common Name: ACETYLENE GAS
Case Number: 74-86-2

Record ID: DEH2006-HUPFP-207427
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0061172
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-15T02:31:46.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PARTS WASHER-FILTERS
Case Number: Not reported

Record ID: DEH2006-HUPFP-207427
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0299138
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-07-30T02:33:32.000
Chemical Name: Oxygen
Common Name: Oxygen Gas
Case Number: 7782-44-7

Record ID: DEH2006-HUPFP-207427
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0299139
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-07-30T02:33:32.000
Chemical Name: Propane
Common Name: Propane
Case Number: 74-98-6

Record ID: DEH2006-HUPFP-207427
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0299140
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-07-30T02:33:32.000
Chemical Name: Hydrogen/Carbon monoxide
Common Name: Hydrogen/Carbon Monoxide
Case Number: 1333-74-0

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Record ID: DEH2006-HUPFP-207427
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0266782
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-30T02:33:32.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2006-HUPFP-207427
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0266783
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-30T02:33:32.000
Chemical Name: Waste Oil
Common Name: Waste Oil
Case Number: Not reported

Record ID: DEH2006-HUPFP-207427
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258612
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-11-21T02:31:59.000
Chemical Name: Oxygen
Common Name: Oxygen Gas
Case Number: 7782-44-7

Record ID: DEH2006-HUPFP-207427
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229567
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-11-21T02:31:59.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2006-HUPFP-207427
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229568
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-11-21T02:31:59.000
Chemical Name: Waste Oil
Common Name: Waste Oil
Case Number: Not reported

MIRAGE RACING PRODUCTS (Continued) **S112927628**

CERS HAZ WASTE:
Name: MIRAGE RACING PRODUCTS
Address: 10928 WHEATLANDS AV #B
City,State,Zip: SANTEE, CA 92071
Site ID: 49351
CERS ID: 10377169
CERS Description: Hazardous Waste Generator

HAZNET:
Name: BERNIE SANTOS
Address: 10928 WHEATLANDS AVE
Address 2: Not reported
City,State,Zip: SANTEE, CA 92071
Contact: BERNIE SANTOS
Telephone: 6195611151
Mailing Name: Not reported
Mailing Address: 10928 WHEATLANDS AVE

Year: 2003
Gepaid: CAC002561381
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: R01 - Recycler
Tons: 1.05

Year: 2003
Gepaid: CAC002561381
TSD EPA ID: CAD008252405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H01 - Transfer Station
Tons: 0.0025

Year: 2003
Gepaid: CAC002561381
TSD EPA ID: CAD008252405
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: R01 - Recycler
Tons: 0.51

Year: 2003
Gepaid: CAC002561381
TSD EPA ID: CAT080013352
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: R01 - Recycler
Tons: 3.135

Additional Info:
Year: 2003
Gen EPA ID: CAC002561381

Shipment Date: 20030331
Creation Date: 8/5/2003 18:31:37
Receipt Date: 20030414
Manifest ID: 22459811
Trans EPA ID: CAD028277036

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030331
Creation Date:	8/5/2003 18:31:37
Receipt Date:	20030414
Manifest ID:	22459811
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.51
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030331
Creation Date:	8/5/2003 18:30:51
Receipt Date:	20030410
Manifest ID:	22459812
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Meth Code:	R01 - Recycler
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030331
Creation Date:	8/5/2003 18:30:51
Receipt Date:	20030410
Manifest ID:	22459812
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030327
Creation Date:	7/13/2003 18:31:11
Receipt Date:	20030401
Manifest ID:	22459841
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	3.135
Waste Quantity:	950
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MIRAGE RACING PRODUCTS (Continued) **S112927628**

NPDES:

Name:	AGILE PERFORMANCE
Address:	10928 WHEATLANDS AVE SUITE B
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37NNA000559
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	No Action Required
Status Date:	10/13/2020
Operator Name:	Agile Performance
Operator Address:	10928 Wheatlands Ave
Operator City:	Santee
Operator State:	California
Operator Zip:	92071

CERS:

Name:	MIRAGE RACING PRODUCTS
Address:	10928 WHEATLANDS AV #B
City,State,Zip:	SANTEE, CA 92071
Site ID:	49351
CERS ID:	10377169
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	49351
Site Name:	MIRAGE RACING PRODUCTS
Violation Date:	07-09-2015
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 09/16/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	49351
Site Name:	MIRAGE RACING PRODUCTS
Violation Date:	05-13-2021
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 06/02/2021. Inspection Sequence ID:6334239
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	49351
Site Name:	MIRAGE RACING PRODUCTS
Violation Date:	06-20-2017
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 08/23/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	49351
Site Name:	MIRAGE RACING PRODUCTS
Violation Date:	07-09-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 09/16/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	49351
Site Name:	MIRAGE RACING PRODUCTS
Violation Date:	05-13-2021
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 06/02/2021. Inspection Sequence ID:6334239
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	49351
Site Name:	MIRAGE RACING PRODUCTS
Violation Date:	05-13-2021

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 05/13/2021. Inspection Sequence ID:6334239
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	49351
Site Name:	MIRAGE RACING PRODUCTS
Violation Date:	05-08-2018
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/31/2018. Inspection Sequence ID:5957162;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905; 68.906, 68.907
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	49351
Site Name:	MIRAGE RACING PRODUCTS
Violation Date:	07-09-2015
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/16/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	05-08-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector: Griffin Donelle Inspection ID:5957162
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-13-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6334239
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-09-2015

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:4085567
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-13-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6334239
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-20-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5695230
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	05-08-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector: Griffin Donelle Inspection ID:5957162
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-20-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5695230
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-09-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:4085567
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Operator
Entity Name:	Agile Performance Inc DBA Agile Off Road
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 395-7253,
Affiliation Type Desc:	Document Preparer
Entity Name:	John Brindell
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	10928 Wheatlands Ave Suite B
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	John C Brindell
Entity Title:	Not reported
Affiliation Address:	10928 WHEATLANDS AV #B
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 328-1297,
Affiliation Type Desc:	Parent Corporation
Entity Name:	John Brindell
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact

MIRAGE RACING PRODUCTS (Continued) **S112927628**

Entity Name:	JESUS HERNANDEZ
Entity Title:	Not reported
Affiliation Address:	10928 WHEATLANDS AV #B
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	John Brindell
Entity Title:	CEO
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	BERNIE SANTOS
Address:	10928 WHEATLANDS AVE
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAC002561381
Inactive Date:	07/31/2003
Create Date:	01/31/2003
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	10928 WHEATLANDS AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 92071
Owner Name:	BERNIE SANTOS
Owner Address:	10928 WHEATLANDS AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SANTEE, CA 92071
Contact Name:	BERNIE SANTOS
Contact Address:	10928 WHEATLANDS AVE
Contact Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	32.846597
Longitude:	-116.959331

C9 **AGILE OFF ROAD** **RCRA NonGen / NLR** **1024867863**
SSW **10928 WHEATLAND AVE STE B** **CAL000436462**
< 1/8 **SANTEE, CA 92071**
0.030 mi.
160 ft. **Site 5 of 14 in cluster C**

Relative:
Higher

Actual:
360 ft.

RCRA Listings:

Date Form Received by Agency:		20180523
Handler Name:	AGILE OFF ROAD	
Handler Address:		10928 WHEATLAND AVE STE B

AGILE OFF ROAD (Continued) **1024867863**

Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAL000436462
Contact Name:		JOHN C BRINDELL
Contact Address:		10928 WHEATLAND AVE STE B
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		916-328-1297
Contact Fax:		Not reported
Contact Email:		JOHN_BRINDELL@AGILEOFFROAD.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10928 WHEATLAND AVE STE B
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	JOHN C BRINDELL	
Owner Type:		Other
Operator Name:	JOHN C BRINDELL	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No

AGILE OFF ROAD (Continued) **1024867863**

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JOHN C BRINDELL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10928 WHEATLAND AVE STE B
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	916-328-1297
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: JOHN C BRINDELL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10928 WHEATLAND AVE STE B
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-328-1297
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180523
Handler Name: AGILE OFF ROAD	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

AGILE OFF ROAD (Continued) **1024867863**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C10 **YORK MANUFACTURING, INC** **RCRA-SQG** **1008194355**
SSW **10928 WHEATLANDS AVE** **CAC002561381**
< 1/8 **SANTEE, CA 92071**
0.030 mi.
160 ft. **Site 6 of 14 in cluster C**

Relative:
Higher

Actual:
360 ft.

RCRA Listings:

Date Form Received by Agency:		20040127
Handler Name:	YORK MANUFACTURING, INC	
Handler Address:		10928 WHEATLANDS AVE
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAC002561381
Contact Name:		BERNIE A SANTOS
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		619-561-1151
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11415 EUCALYPTUS HILLS DR
Mailing City,State,Zip:		LAKESIDE, CA 92040
Owner Name:	BERNIE SANTOS	
Owner Type:		Private
Operator Name:	YORK MANUFACTURING, INC	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No

YORK MANUFACTURING, INC (Continued) **1008194355**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2003

Click Here for Biennial Reporting System Data:

YORK MANUFACTURING, INC (Continued) **1008194355**

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: BERNIE SANTOS
Legal Status: Private
Date Became Current: 19901213
Date Ended Current: Not reported
Owner/Operator Address: 11415 EUCALYPTUS HILLS DR
Owner/Operator City,State,Zip: LAKESIDE, CA 92040
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BERNIE SANTOS
Legal Status: Private
Date Became Current: 19901213
Date Ended Current: Not reported
Owner/Operator Address: 11415 EUCALYPTUS HILLS DR
Owner/Operator City,State,Zip: LAKESIDE, CA 92040
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: YORK MANUFACTURING, INC
Legal Status: Private
Date Became Current: 19901201
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: YORK MANUFACTURING, INC
Legal Status: Private
Date Became Current: 19901201
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20040127
Handler Name: YORK MANUFACTURING, INC

YORK MANUFACTURING, INC (Continued) **1008194355**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20040127
Handler Name:	YORK MANUFACTURING, INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	332322
NAICS Description:	SHEET METAL WORK MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D11 **DS FIBERTECH CORPORATION** **RCRA NonGen / NLR** **1024832579**
East **11015 MISSON PARK PL** **CAL000370764**
< 1/8 **SANTEE, CA 92071**
0.032 mi.
170 ft. **Site 1 of 2 in cluster D**

Relative: **Higher**
Actual: **359 ft.**

RCRA Listings:

Date Form Received by Agency:	20120113
Handler Name:	DS FIBERTECH CORPORATION
Handler Address:	11015 MISSON PARK PL
Handler City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000370764
Contact Name:	MINH NGUYEN
Contact Address:	11015 MISSION PARK CT
Contact City,State,Zip:	SANTEE, CA 92071
Contact Telephone:	619-562-7001
Contact Fax:	619-562-0074
Contact Email:	MINH@DSFIBERTECH.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported

DS FIBERTECH CORPORATION (Continued) **1024832579**

Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11015 MISSION PARK CT
Mailing City,State,Zip:		SANTEE, CA 92071-0000
Owner Name:	DS FIBERTECH CORP	
Owner Type:		Other
Operator Name:	MINH NGUYEN	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No

DS FIBERTECH CORPORATION (Continued) **1024832579**

Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: DS FIBERTECH CORP	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11015 MISSION PARK CT
Owner/Operator City,State,Zip:	SANTEE, CA 92071-0000
Owner/Operator Telephone:	619-562-7001
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MINH NGUYEN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11015 MISSION PARK CT
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-7001
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20120113
Handler Name: DS FIBERTECH CORPORATION	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	333994
NAICS Description:	INDUSTRIAL PROCESS FURNACE AND OVEN MANUFACTURING

DS FIBERTECH CORPORATION (Continued) **1024832579**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D12 **WHITTAKER CORP** **RCRA-SQG** **1000421648**
East **11015 MISSION PARK ST** **FINDS** **CAD981369630**
< 1/8 **SANTEE, CA 92071** **ECHO**
0.032 mi.
170 ft. **Site 2 of 2 in cluster D**

Relative: **Higher**
Actual: **359 ft.**

RCRA Listings:

Date Form Received by Agency:		19960901
Handler Name:	WHITTAKER CORP	
Handler Address:		11015 MISSION PARK ST
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAD981369630
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		5159 BALTIMORE DR
Mailing City,State,Zip:		LA MESA, CA 92041
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

WHITTAKER CORP (Continued) **1000421648**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: WHITTAKER CORP	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private

WHITTAKER CORP (Continued) **1000421648**

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: WHITTAKER CORP
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19860124
Handler Name: WHITTAKER CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002683301

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

WHITTAKER CORP (Continued) **1000421648**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000421648
Registry ID:	110002683301
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002683301
Name:	WHITTAKER CORP
Address:	11015 MISSION PARK ST
City,State,Zip:	SANTEE, CA 92071

A13 **C & H AUTO BODY** **RCRA-LQG** **1000116437**
SE **10996 NORTH WOODSIDE** **CAD981572860**
< 1/8 **SANTEE, CA 92071**
0.037 mi.
196 ft. **Site 3 of 4 in cluster A**

Relative: **Higher**
Actual: **363 ft.**

RCRA Listings:

Date Form Received by Agency:		19860926
Handler Name:	C & H AUTO BODY	
Handler Address:		10996 NORTH WOODSIDE
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAD981572860
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		10996 NORTH WOODSIDE
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-562-7334
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		10996 NORTH WOODSIDE
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	TRAMPUS HOWARD	
Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No

C & H AUTO BODY (Continued) **1000116437**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: TRAMPUS HOWARD	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212

C & H AUTO BODY (Continued) **1000116437**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19860926
Handler Name: C & H AUTO BODY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E14
South
< 1/8
0.038 mi.
200 ft.

Relative:
Higher

Actual:
360 ft.

COMPUTER INTEGRATED MACHINING, INC.
10940 WHEATLANDS AVE
SANTEE, CA 92071

Site 1 of 3 in cluster E

San Diego Co. HMMD **S120714691**
CERS HAZ WASTE **N/A**
HAZNET
CIWQS
CERS
HWTS

HMMD SAN DIEGO:
Name: COMPUTER INTEGRATED MACHINING, INC.
Address: 10940 WHEATLANDS AVE
City,State,Zip: SANTEE, CA 92071-2857
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000425494
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-596-9246
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 05/04/2022
Facility Owner: Not reported
Facility Mailing Address: 10940 Wheatlands Ave., Santee, CA 92071
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported

COMPUTER INTEGRATED MACHINING, INC. (Continued) **S120714691**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003424
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6885403
Return To Compliance Date: 2022-03-21T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-04T01:17:06.000
Inspection Date: 2022-03-21T00:00:00.000
Violation Code: 3030007 Failed to properly label/date hazardous waste container &/or tank. 22 CCR 66262.34(f)

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003424
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6885403
Return To Compliance Date: Not reported
Nov: Not reported
Violation Classification: Not reported
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-04T01:17:06.000
Inspection Date: 2022-03-21T00:00:00.000
Violation Code: HMD0000 HAZARDOUS WASTE REQUIREMENTS FOR SQGS ONLY

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003424
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Initial Inspection
Inspection Number: 5691151
Return To Compliance Date: 2017-04-18T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-04T01:17:06.000
Inspection Date: 2017-02-16T15:24:00.000
Violation Code: 1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

Record ID: DEH2017-HUPFP-003424

COMPUTER INTEGRATED MACHINING, INC. (Continued) **S120714691**

Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003424
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6885403
Return To Compliance Date: 2022-03-21T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-04T01:17:06.000
Inspection Date: 2022-03-21T00:00:00.000
Violation Code: 1010008 HMBP not certified as complete and accurate in CERS by the required due date. HSC 25508.2, 19 CCR 2654(b)

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003424
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6885403
Return To Compliance Date: Not reported
Nov: Not reported
Violation Classification: Not reported
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-04T01:17:06.000
Inspection Date: 2022-03-21T00:00:00.000
Violation Code: HMD0000 HAZARDOUS MATERIALS REQUIREMENTS

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003424
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6885403
Return To Compliance Date: 2022-04-11T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-04T01:17:06.000
Inspection Date: 2022-03-21T00:00:00.000
Violation Code: 1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Waste and Materials:
Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0140177
Trade Secret: N

COMPUTER INTEGRATED MACHINING, INC. (Continued) **S120714691**

Hazardous Material Type: Pure
Last Updated: 2017-07-28T02:30:47.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0118681
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-07-28T02:30:47.000
Chemical Name: waste 221 Qual-chem extreme cut 250C/water
Common Name: Qual-chem extreme cut 250C/water
Case Number: Not reported

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0324384
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-04T01:17:06.000
Chemical Name: Liquefied Petroleum Gas (lpg)
Common Name: Propane
Case Number: 74-98-6

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0324385
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-04T01:17:06.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: 107-21-1

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0185397
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-08T19:11:57.000
Chemical Name: waste 221 Qual-chem extreme cut 250C/water
Common Name: Waste coolant
Case Number: Not reported

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0291607
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-04T01:17:06.000

COMPUTER INTEGRATED MACHINING, INC. (Continued) **S120714691**

Chemical Name: waste 221 Qual-chem extreme cut 250C/water
Common Name: Waste coolant
Case Number: Not reported

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0215244
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-08T19:11:57.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0215245
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-08T19:11:57.000
Chemical Name: Ethylene Glycol
Common Name: Ethylene Glycol
Case Number: 107-21-1

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0189665
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-08-14T02:32:17.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2017-HUPFP-003424
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0164218
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-08-14T02:32:17.000
Chemical Name: waste 221 Qual-chem extreme cut 250C/water
Common Name: Qual-chem extreme cut 250C/water
Case Number: Not reported

CERS HAZ WASTE:
Name: COMPUTER INTEGRATED MACHINING, INC.
Address: 10940 WHEATLANDS AVE
City,State,Zip: SANTEE, CA 92071
Site ID: 418238
CERS ID: 10726690
CERS Description: Hazardous Waste Generator

COMPUTER INTEGRATED MACHINING, INC. (Continued) **S120714691**

HAZNET:

Name:	COMPUTER INTEGRATED MACHINING INC
Address:	10940 WHEATLANDS AVE
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
Contact:	MICHAEL J. BROWN
Telephone:	6195969246
Mailing Name:	Not reported
Mailing Address:	10940 WHEATLANDS AVE
Year:	2021
Gepaid:	CAL000425494
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	4.17014
Year:	2020
Gepaid:	CAL000425494
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	2.08507
Year:	2017
Gepaid:	CAL000425494
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	2.2935

Additional Info:

Year:	2017
Gen EPA ID:	CAL000425494
Shipment Date:	20170914
Creation Date:	5/30/2018 18:34:06
Receipt Date:	20170920
Manifest ID:	017361621JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.2935

COMPUTER INTEGRATED MACHINING, INC. (Continued) **S120714691**

Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CIWQS:

Name:	COMPUTER INTEGRATED MACHINING INC
Address:	10940 WHEATLANDS AVE
City,State,Zip:	SANTEE, CA 92701
Agency:	Computer Integrated Machining Inc
Agency Address:	10940 Wheatlands Ave, Santee, CA 92701
Place/Project Type:	Industrial - Miscellaneous Structural Metal Work
SIC/NAICS:	3449(+)
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37NEC008979
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/06/2021
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.84697
Longitude:	-116.95892

CERS:

Name:	COMPUTER INTEGRATED MACHINING, INC.
Address:	10940 WHEATLANDS AVE
City,State,Zip:	SANTEE, CA 92071
Site ID:	418238
CERS ID:	10726690
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	418238
Site Name:	Computer Integrated Machining, Inc.
Violation Date:	02-16-2017
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 04/18/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP

COMPUTER INTEGRATED MACHINING, INC. (Continued) **S120714691**

Violation Source: CERS,

Site ID: 418238
Site Name: Computer Integrated Machining, Inc.
Violation Date: 03-21-2022
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Inspection Sequence ID:6885403
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 418238
Site Name: Computer Integrated Machining, Inc.
Violation Date: 03-21-2022
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/21/2022. Inspection Sequence ID:6885403
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 418238
Site Name: Computer Integrated Machining, Inc.
Violation Date: 03-21-2022
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 03/21/2022. Inspection Sequence ID:6885403
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5691151
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2022
Violations Found: Yes

COMPUTER INTEGRATED MACHINING, INC. (Continued) **S120714691**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6885403
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6112744
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6112744
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5691151
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6885403
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 418238
Facility Name: Computer Integrated Machining, Inc.
Env Int Type Code: HMBP
Program ID: 10726690
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.846680
Longitude: -116.959570

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

COMPUTER INTEGRATED MACHINING, INC. (Continued) **S120714691**

Affiliation Address:	10940 Wheatlands Avenue
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Mike Brown
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	MICHAEL BROWN
Entity Title:	Not reported
Affiliation Address:	10940 Wheatlands Avenue
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 596-9246,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Computer Integrated Machining, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Tracey Pruitt
Entity Title:	Not reported
Affiliation Address:	10940 Wheatlands Avenue
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

COMPUTER INTEGRATED MACHINING, INC. (Continued) **S120714691**

Affiliation Type Desc: Document Preparer
Entity Name: Alexandra Aguon
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Computer Integrated Machining, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 596-9246,

Name: COMPUTER INTEGRATED MACHINING INC
Address: 10940 WHEATLANDS AVE
City,State,Zip: SANTEE, CA 92701
Site ID: 580728
CERS ID: 892024
CERS Description: Industrial Facility Storm Water

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Computer Integrated Machining Inc
Entity Title: Operator
Affiliation Address: 10940 Wheatlands Ave
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92701
Affiliation Phone: ,

HWTS:
Name: COMPUTER INTEGRATED MACHINING INC
Address: 10940 WHEATLANDS AVE
Address 2: Not reported
City,State,Zip: SANTEE, CA 92071
EPA ID: CAL000425494
Inactive Date: Not reported
Create Date: 03/08/2017
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 10940 WHEATLANDS AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTEE, CA 920710000
Owner Name: MICHAEL J BROWN
Owner Address: 4894 GARFIELD STREET
Owner Address 2: Not reported
Owner City,State,Zip: SANTEE, CA 92071

COMPUTER INTEGRATED MACHINING, INC. (Continued) **S120714691**

Contact Name:	MICHAEL J. BROWN
Contact Address:	10940 WHEATLANDS AVE
Contact Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.847021
Longitude:	-116.959077

NAICS:

EPA ID:	CAL000425494
Create Date:	2017-03-08 14:36:40.183
NAICS Code:	336399
NAICS Description:	All Other Motor Vehicle Parts Manufacturing
Issued EPA ID Date:	2017-03-08 14:36:40.13700
Inactive Date:	Not reported
Facility Name:	COMPUTER INTEGRATED MACHINING INC
Facility Address:	10940 WHEATLANDS AVE
Facility Address 2:	Not reported
Facility City:	SANTEE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92071

E15 **COMPUTER INTEGRATED MACHINING INC** **RCRA NonGen / NLR** **1024858884**
South **10940 WHEATLANDS AVE** **CAL000425494**
< 1/8 **SANTEE, CA 92071**
0.038 mi.
200 ft. **Site 2 of 3 in cluster E**

Relative:
Higher

Actual:
360 ft.

RCRA Listings:

Date Form Received by Agency:		20170308
Handler Name:	COMPUTER INTEGRATED MACHINING INC	
Handler Address:		10940 WHEATLANDS AVE
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAL000425494
Contact Name:		MICHAEL J. BROWN
Contact Address:		10940 WHEATLANDS AVE
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-596-9246
Contact Fax:		Not reported
Contact Email:		ACCOUNTING@CIMSD.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10940 WHEATLANDS AVE
Mailing City,State,Zip:		SANTEE, CA 92071-0000
Owner Name:	MICHAEL J BROWN	
Owner Type:		Other

COMPUTER INTEGRATED MACHINING INC (Continued) **1024858884**

Operator Name:	MICHAEL J. BROWN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181220
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

COMPUTER INTEGRATED MACHINING INC (Continued) **1024858884**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MICHAEL J. BROWN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10940 WHEATLANDS AVE
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-596-9246
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: MICHAEL J BROWN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7261 OCOTILLO STREET
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-665-7158
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20170308
Handler Name:	COMPUTER INTEGRATED MACHINING INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C16
SW
< 1/8
0.038 mi.
200 ft.

CCM ENT
10848 WHEATLANDS AVE
SANTEE, CA 92071

Site 7 of 14 in cluster C

SWEEPS UST **S106447282**
WDS **N/A**

Relative:
Higher

Actual:
356 ft.

SWEEPS UST:

Name:	CUSTOM MARBLE NT0131
Address:	10848 WHEATLANDS AVE
City:	SANTEE
Status:	Active
Comp Number:	20835
Number:	9
Board Of Equalization:	44-023345
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020835-000001
Tank Status:	A
Capacity:	4000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	P
Content:	Not reported
Number Of Tanks:	3

Name:	CUSTOM MARBLE NT0131
Address:	10848 WHEATLANDS AVE
City:	SANTEE
Status:	Active
Comp Number:	20835
Number:	9
Board Of Equalization:	44-023345
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020835-000002
Tank Status:	A
Capacity:	4000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CUSTOM MARBLE NT0131
Address:	10848 WHEATLANDS AVE
City:	SANTEE
Status:	Active
Comp Number:	20835
Number:	9
Board Of Equalization:	44-023345
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020835-000003

CCM ENT (Continued) **S106447282**

Tank Status:	A
Capacity:	4000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

WDS:

Name:	CCM ENT
Address:	10848 Wheatlands Ave
City:	SANTEE
Facility ID:	San Diego 37I018540
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	6195622605
Facility Contact:	Cody Nosko
Agency Name:	CCM ENT
Agency Address:	10848 Wheatlands Ave
Agency City,St,Zip:	Santee 92071
Agency Contact:	Cody Nosko
Agency Telephone:	6195622605
Agency Type:	Private
SIC Code:	3089
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

C17 **CALIFORNIA CRAFTED MARBLE, INC.** **RCRA NonGen / NLR** **1024829850**
SW **10848 WHEATLANDS AVE** **CAL000363924**
< 1/8 **SANTEE, CA 92071**
0.038 mi.
200 ft. **Site 8 of 14 in cluster C**

Relative: **Higher**

Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:	20110524
Handler Name:	CALIFORNIA CRAFTED MARBLE, INC.
Handler Address:	10848 WHEATLANDS AVE
Handler City,State,Zip:	SANTEE, CA 92071-2855
EPA ID:	CAL000363924
Contact Name:	VIRGINIA JAGGI
Contact Address:	9366 ABRAHAM WAY
Contact City,State,Zip:	SANTEE, CA 92071
Contact Telephone:	619-504-3805
Contact Fax:	619-562-5218
Contact Email:	VIRGINIAJ@CALCRAFTEDMARBLE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	10848 WHEATLANDS AVE
Mailing City,State,Zip:	SANTEE, CA 92071-2855
Owner Name:	CALIFORNIA CRAFTED MARBLE
Owner Type:	Other
Operator Name:	VIRGINIA JAGGI
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CALIFORNIA CRAFTED MARBLE, INC. (Continued) **1024829850**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CALIFORNIA CRAFTED MARBLE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10848 WHEATLANDS AVE
Owner/Operator City,State,Zip:	SANTEE, CA 92071-2855
Owner/Operator Telephone:	619-562-2605
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: VIRGINIA JAGGI	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9366 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-504-3805
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CALIFORNIA CRAFTED MARBLE, INC. (Continued) **1024829850**

Historic Generators:
Receive Date: 20110524
Handler Name: CALIFORNIA CRAFTED MARBLE, INC.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 11331
NAICS Description: LOGGING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C18 **CALIFORNIA CRAFTED MARBLE (DBA CCM ENTERPRISES)** **UST** **1006093808**
SW **10848 WHEATLANDS AV** **San Diego Co. HMMD** **N/A**
< 1/8 **SANTEE, CA 92071** **ICIS**
0.038 mi. **FTTS**
200 ft. **Site 9 of 14 in cluster C** **HIST FTTS**
US AIRS
Relative: Higher **FINDS**

Actual: 356 ft.

UST:
Name: CUSTOM CRAFT MARBLE
Address: 10848 WHEATLANDS AVE
City,State,Zip: SANTEE, CA 92071
Facility ID: H20835
Permitting Agency: SAN DIEGO COUNTY
CERSID: Not reported
Latitude: 32.8483339
Longitude: -116.959791

HMMD SAN DIEGO:
Name: CUSTOM CRAFT MARBLE
Address: 10848 WHEATLANDS AV
City,State,Zip: SANTEE, CA 92071
Permit Number: 120835
Business Type: 6HK77
EPA Id Number: CAL921743437
APN: 381-540-06-00
Last HMMD Inspection: 07/22/2003
Facility Telephone: 619-562-2605
Permit Status: CHNG
Permit Expiration: 06/30/2003

CALIFORNIA CRAFTED MARBLE (DBA CCM ENTERPRISES) (Continued) **1006093808**

Date Last Updated:	11/02/2012
Facility Owner:	BILL HANVEY CUSTOM MARBLE
Facility Mailing Address:	10848 WHEATLANDS AV
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-2855
UST Owner:	BILL HANVEY
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 120835 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	120835
Tank Type:	DOUBLE WALL
Additional Id:	1 MR-7132-19 ONYX
Capacity Gallons:	4000
UST Contents:	OTHER
Other Content Info:	MR-7132-19 ONYX
Reg Status:	CLOSED
Remove Close Date:	Not reported
Year Installed:	1984-04-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 120835 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	120835
Tank Type:	DOUBLE WALL
Additional Id:	2 11090 D RESIN
Capacity Gallons:	4000
UST Contents:	OTHER
Other Content Info:	11090 D RESIN
Reg Status:	CLOSED
Remove Close Date:	Not reported
Year Installed:	1984-04-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 120835 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	120835
Tank Type:	DOUBLE WALL
Additional Id:	3 MR 11120 RESIN MARBLE
Capacity Gallons:	4000
UST Contents:	OTHER
Other Content Info:	MR 11120 RESIN MARBLE
Reg Status:	CLOSED

CALIFORNIA CRAFTED MARBLE (DBA CCM ENTERPRISES) (Continued) **1006093808**

Remove Close Date: Not reported
Year Installed: 1984-04-01 00:00:00
Pipe Type: LINED TRENCH
Delivery System: SUCTION
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

ICIS:
Enforcement Action ID: 09-1995-0008
FRS ID: 110002413656
Action Name: CUSTOM CRAFT MARBLE, INC.
Facility Name: CUSTOM CRAFT MARBLE
Facility Address: 10848 WHEATLANDS AV
SANTEE, CA 92071
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: SAN DIEGO
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 325
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.846648
Longitude in Decimal Degrees: -116.960083
Permit Type Desc: Not reported
Program System Acronym: 2427
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES
Address: 10848 WHEATLANDS AV
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES
Address: 10848 WHEATLANDS AV
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES
Address: 10848 WHEATLANDS AV
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES
Address: 10848 WHEATLANDS AV
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

CALIFORNIA CRAFTED MARBLE (DBA CCM ENTERPRISES) (Continued) **1006093808**

SIC Code: Not reported

Facility Name: CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES
Address: 10848 WHEATLANDS AV
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES
Address: 10848 WHEATLANDS AV
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES
Address: 10848 WHEATLANDS AV
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES
Address: 10848 WHEATLANDS AV
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FTTS:
Case Number: Not reported
Docket Number: EPCRA09-94-0001
Complaint Issue Date: 01/10/94
Abatement Amount: 0.0000
Proposed Penalty: 38915.0000
Final Assessment: 2000.0000
Final Order Date: 01/23/95
Close Date: / /
Violations(s): EPCRA, Nonreporting/Failure to RPT to EPA

FTTS INSP:
Inspection Number: 199203129003 1
Region: 09
Inspection Date: 03/12/92
Inspector: BD
Violation occurred: No
Investigation Type: EPCRA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: EPCRA
Facility Function: User

HIST FTTS INSP:
Inspection Number: 199203129003 1
Region: 09

CALIFORNIA CRAFTED MARBLE (DBA CCM ENTERPRISES) (Continued) **1006093808**

Inspection Date: Not reported
Inspector: BD
Violation occurred: No
Investigation Type: EPCRA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: EPCRA
Facility Function: User

US AIRS MINOR:
Envid: 1006093808
Region Code: 09
Programmatic ID: AIR CASDS000060736282A
Facility Registry ID: 110002413656
D and B Number: Not reported
Primary SIC Code: 2519
NAICS Code: 337125
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 09
Programmatic ID: AIR CASDS000060736282A
Facility Registry ID: 110002413656
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS000060736282A
Facility Registry ID: 110002413656
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS000060736282A
Facility Registry ID: 110002413656
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

CALIFORNIA CRAFTED MARBLE (DBA CCM ENTERPRISES) (Continued) **1006093808**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS000060736282A
Facility Registry ID: 110002413656
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-03-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS000060736282A
Facility Registry ID: 110002413656
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS000060736282A
Facility Registry ID: 110002413656
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:
Registry ID: 110002413656

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans

CALIFORNIA CRAFTED MARBLE (DBA CCM ENTERPRISES) (Continued) **1006093808**

to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
RISK AND TECHNOLOGY REVIEW
HAZARDOUS AIR POLLUTANT MAJOR
OSHA ESTABLISHMENT
STATE MASTER
AIR MINOR
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C19 **ARW INC DBA ADVANCE FINISHING** **RCRA-SQG** **1001122842**
SSW **10911 WHEATLANDS DR** **FINDS** **CAR000016808**
< 1/8 **SANTEE, CA 92071** **ECHO**
0.043 mi. **HAZNET**
228 ft. **Site 10 of 14 in cluster C** **HWTS**

Relative: **Higher**
Actual: **358 ft.**

RCRA Listings:

Date Form Received by Agency:	19961210
Handler Name:	ARW INC DBA ADVANCE FINISHING
Handler Address:	10911 WHEATLANDS DR
Handler City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAR000016808
Contact Name:	JIMMY SIRMON
Contact Address:	10911 WHEATLANDS DR
Contact City,State,Zip:	SANTEE, CA 92071
Contact Telephone:	619-562-6311
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09

ARW INC DBA ADVANCE FINISHING (Continued) **1001122842**

Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		WHEATLANDS DR
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	ARW INC DBA ADVANCED FINISHING	
Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No

ARW INC DBA ADVANCE FINISHING (Continued) **1001122842**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ARW INC DBA ADVANCED FINISHING
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10911 WHEATLANDS DR
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-6311
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19961210
Handler Name:	ARW INC DBA ADVANCE FINISHING
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID:	110002915329

ARW INC DBA ADVANCE FINISHING (Continued) **1001122842**

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001122842
Registry ID:	110002915329
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002915329
Name:	ARW INC DBA ADVANCE FINISHING
Address:	10911 WHEATLANDS DR
City,State,Zip:	SANTEE, CA 92071

HAZNET:

Name:	ARW INC DBA ADVANCE FINISHING
Address:	10911 WHEATLANDS DR
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 920710000
Contact:	WARREN MOORE/PRES
Telephone:	6195626311
Mailing Name:	Not reported
Mailing Address:	1000 W BRADLEY STE P
Year:	1998
Gepaid:	CAR000016808
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	2.772
Year:	1997
Gepaid:	CAR000016808
TSD EPA ID:	CAD000088252
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H01 - Transfer Station
Tons:	3.7
Year:	1997
Gepaid:	CAR000016808
TSD EPA ID:	CAD000088252
CA Waste Code:	792 - Liquids with pH <= 2 with metals
Disposal Method:	H01 - Transfer Station
Tons:	0.688

Additional Info:

Year:	1998

ARW INC DBA ADVANCE FINISHING (Continued) **1001122842**

Gen EPA ID:	CAR000016808
Shipment Date:	19980507
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980515
Manifest ID:	98339277
Trans EPA ID:	CAD982403198
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	2.772
Waste Quantity:	770
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAR000016808
Shipment Date:	19970714
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970714
Manifest ID:	96806315
Trans EPA ID:	CAL931024038
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970527
Creation Date:	9/12/1997 0:00:00

ARW INC DBA ADVANCE FINISHING (Continued) **1001122842**

Receipt Date:	19970528
Manifest ID:	96403147
Trans EPA ID:	CAL931024038
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.1
Waste Quantity:	4200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970416
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970417
Manifest ID:	96403119
Trans EPA ID:	CAL931024038
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970416
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970417
Manifest ID:	96403123
Trans EPA ID:	CAL931024038
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252

ARW INC DBA ADVANCE FINISHING (Continued) **1001122842**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ARW INC DBA ADVANCE FINISHING
Address:	10911 WHEATLANDS DR
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAR000016808
Inactive Date:	06/30/1999
Create Date:	06/19/1997
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1000 W BRADLEY STE P
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EL CAJON, CA 920205629
Owner Name:	ARW INC DBA ADVANCED FINISHING
Owner Address:	1000 W BRADLEY STE P
Owner Address 2:	Not reported
Owner City,State,Zip:	EL CAJON, CA 920205629
Contact Name:	WARREN MOORE/PRES
Contact Address:	INACTIVE PER VQ99 - BMI
Contact Address 2:	Not reported
City,State,Zip:	EL CAJON, CA 920200000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	32.84665
Longitude:	-116.959656

---

20 **HANSON MACHINE** **San Diego Co. HMMD** **S106064563**
SSE **10969 WHEATLANDS AV** **CERS HAZ WASTE** **N/A**
< 1/8 **SANTEE, CA 92071** **CERS**
0.049 mi.
259 ft.

Relative:
Higher

Actual:
362 ft.

HMMD SAN DIEGO:

Name:	HANSON MACHINE
Address:	10969 WHEATLANDS AV
City,State,Zip:	SANTEE, CA 92071
Permit Number:	135415
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	381-540-13-00
Last HMMD Inspection:	04/19/1995

HANSON MACHINE (Continued) **S106064563**

Facility Telephone:	619-449-7837
Permit Status:	INAC
Permit Expiration:	04/19/1995
Date Last Updated:	11/02/2012
Facility Owner:	DALE HANSON
Facility Mailing Address:	10969 WHEATLANDS AV #B
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CERS HAZ WASTE:

Name:	NUTS TO GO RACING
Address:	10969 WHEATLANDS AVE STE B
City,State,Zip:	SANTEE, CA 92071
Site ID:	378070
CERS ID:	10690219
CERS Description:	Hazardous Waste Generator

CERS:

Name:	NUTS TO GO RACING
Address:	10969 WHEATLANDS AVE STE B
City,State,Zip:	SANTEE, CA 92071
Site ID:	378070
CERS ID:	10690219
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-08-2021
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Inspection Sequence ID:6459595;Violation:HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. SDCC 68.904; 68.905; 68.907.1
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-14-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 12/21/2016. Inspection Sequence ID:5611470;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905

HANSON MACHINE (Continued) **S106064563**

Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-14-2016
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 08/18/2016. Inspection Sequence ID:5611470
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-08-2021
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Inspection Sequence ID:6459595;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.904; 68.905; 68.906, 68.907; 68.907.1
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-08-2021
Citation:	40 CFR 1 265.35 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.35
Violation Description:	Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.
Violation Notes:	Inspection Sequence ID:6459595
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-08-2021
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Inspection Sequence ID:6459595;Violation:HMD0149 Failed to keep disposal receipts for drained used oil filters and/or drained fuel filters for 3 years. HSC 25250.22; 22 CCR 66266.130(c)(5)
Violation Division:	San Diego County Department of Env Health

HANSON MACHINE (Continued) **S106064563**

Violation Program:	HW
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-08-2021
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Inspection Sequence ID:6459595
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-14-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 08/18/2016. Inspection Sequence ID:5611470
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-14-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 08/18/2016. Inspection Sequence ID:5611470
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-14-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 08/18/2016. Inspection Sequence ID:5611470
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

HANSON MACHINE (Continued) **S106064563**

Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-14-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/18/2016. Inspection Sequence ID:5611470
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-14-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 12/21/2016. Inspection Sequence ID:5611470;Violation:HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-08-2021
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Inspection Sequence ID:6459595
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-14-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/18/2016. Inspection Sequence ID:5611470
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-14-2016

HANSON MACHINE (Continued) **S106064563**

Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 07/08/2016. Inspection Sequence ID:5611470
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-14-2016
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 08/18/2016. Inspection Sequence ID:5611470
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-08-2021
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Inspection Sequence ID:6459595
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-07-2018
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 03/25/2020. Inspection Sequence ID:5927145
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378070
Site Name:	Nuts To Go Racing
Violation Date:	06-08-2021
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter

HANSON MACHINE (Continued) **S106064563**

6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Inspection Sequence ID:6459595
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 378070
Site Name: Nuts To Go Racing
Violation Date: 06-14-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 08/18/2016. Inspection Sequence ID:5611470
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-07-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zahra Alaaeddine Inspection ID:5927145
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-14-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5611470
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zahra Alaaeddine Inspection ID:5927145
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6459595
Eval Division: San Diego County Department of Env Health

HANSON MACHINE (Continued) **S106064563**

Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-08-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6459595
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-14-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5611470
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	joe salas
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Joe Salas
Entity Title:	Not reported
Affiliation Address:	10969 Wheatlands Ave Ste B
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Operator
Entity Name:	Joe Salas
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

HANSON MACHINE (Continued) **S106064563**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 449-2758,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	10969 Wheatlands Ave Ste B
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Joe Salas
Entity Title:	Not reported
Affiliation Address:	10969 Wheatlands Ave Ste B
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 449-2758,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Nuts To Go Racing
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

A21 **ALTECH MACHINING INC** **San Diego Co. HMMD** **S104397379**
ESE **11000 N WOODSIDE AVE** **CERS HAZ WASTE** **N/A**
< 1/8 **SANTEE, CA 92071** **CERS**
0.053 mi.
282 ft. **Site 4 of 4 in cluster A**

Relative: **Higher**

Actual: **363 ft.**

HMMD SAN DIEGO:

Name:	ALTECH MACHINING INC
Address:	11000 N WOODSIDE AVE
City,State,Zip:	SANTEE, CA 92071
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000045408
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-448-3392
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	05/18/2022
Facility Owner:	Not reported
Facility Mailing Address:	11000 N WOODSIDE AV, SANTEE, CA 92071-2832
Facility Mailing City:	Not reported

ALTECH MACHINING INC (Continued) **S104397379**

Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

Waste and Materials:
Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0216487
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-04-23T01:35:39.000
Chemical Name: OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Common Name: OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0186680
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-23T01:35:40.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: OIL CONTAMINATED ABSORBAN
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0186681
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-23T01:35:40.000
Chemical Name: WASTE 171 METAL SLUDGE
Common Name: GRINDING MACHINES
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0186682
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-23T01:35:40.000
Chemical Name: WASTE 213 HYDROCARBON SOLVENTS
Common Name: TWO SOLVENT TANKS
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y

ALTECH MACHINING INC (Continued) **S104397379**

Child Record Id: DEH2019-HWAST-0186683
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-23T01:35:40.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE 221 WASTE OIL & MIXED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HCHEM-0061822
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-11-30T02:33:13.000
Chemical Name: OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Common Name: OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0046517
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-30T02:33:13.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: OIL CONTAMINATED ABSORBAN
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0046518
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-30T02:33:13.000
Chemical Name: WASTE 171 METAL SLUDGE
Common Name: GRINDING MACHINES
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0046519
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-30T02:33:13.000
Chemical Name: WASTE 213 HYDROCARBON SOLVENTS
Common Name: TWO SOLVENT TANKS
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0046520
Trade Secret: N

ALTECH MACHINING INC (Continued) **S104397379**

Hazardous Material Type: Not reported
Last Updated: 2016-11-30T02:33:13.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE 221 WASTE OIL & MIXED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0150961
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-11-21T02:33:59.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: OIL CONTAMINATED ABSORBAN
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0329631
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-05-18T00:34:51.000
Chemical Name: OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Common Name: OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0296232
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-18T00:34:52.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: OIL CONTAMINATED ABSORBAN
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0296233
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-18T00:34:52.000
Chemical Name: WASTE 171 METAL SLUDGE
Common Name: GRINDING MACHINES SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0296234
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-18T00:34:52.000

ALTECH MACHINING INC (Continued) **S104397379**

Chemical Name: WASTE 213 HYDROCARBON SOLVENTS
Common Name: TWO SOLVENT TANKS
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0296235
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-18T00:34:52.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE 221 WASTE OIL & MIXED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176165
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-11-21T02:33:59.000
Chemical Name: OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Common Name: OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0150962
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-11-21T02:33:59.000
Chemical Name: WASTE 171 METAL SLUDGE
Common Name: GRINDING MACHINES
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0150963
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-11-21T02:33:59.000
Chemical Name: WASTE 213 HYDROCARBON SOLVENTS
Common Name: TWO SOLVENT TANKS
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0150964
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-11-21T02:33:59.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE 221 WASTE OIL & MIXED OIL

ALTECH MACHINING INC (Continued) **S104397379**

Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0189540
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-27T02:40:09.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE 221 WASTE OIL & MIXED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0138248
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-11-29T02:35:14.000
Chemical Name: OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Common Name: OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0116946
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-11-29T02:35:14.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: OIL CONTAMINATED ABSORBAN
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0116947
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-11-29T02:35:14.000
Chemical Name: WASTE 171 METAL SLUDGE
Common Name: GRINDING MACHINES
Case Number: Not reported

Record ID: DEH2002-HUPFP-102118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0116948
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-11-29T02:35:14.000
Chemical Name: WASTE 213 HYDROCARBON SOLVENTS
Common Name: TWO SOLVENT TANKS
Case Number: Not reported

ALTECH MACHINING INC (Continued) **S104397379**

Record ID:	DEH2002-HUPFP-102118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0116949
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-11-29T02:35:14.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE 221 WASTE OIL & MIXED OIL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0219782
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-11-27T02:40:09.000
Chemical Name:	OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Common Name:	OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Case Number:	8002-05-9

Record ID:	DEH2002-HUPFP-102118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0189537
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-11-27T02:40:09.000
Chemical Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name:	OIL CONTAMINATED ABSORBAN
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0189538
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-11-27T02:40:09.000
Chemical Name:	WASTE 171 METAL SLUDGE
Common Name:	GRINDING MACHINES SLUDGE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0189539
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-11-27T02:40:09.000
Chemical Name:	WASTE 213 HYDROCARBON SOLVENTS
Common Name:	TWO SOLVENT TANKS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102118
Permit Status:	Permit Renewed

ALTECH MACHINING INC (Continued) **S104397379**

Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0261765
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-11-17T03:31:06.000
Chemical Name:	OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Common Name:	OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Case Number:	8002-05-9

Record ID:	DEH2002-HUPFP-102118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0232822
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-11-17T03:31:06.000
Chemical Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name:	OIL CONTAMINATED ABSORBAN
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0232823
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-11-17T03:31:06.000
Chemical Name:	WASTE 171 METAL SLUDGE
Common Name:	GRINDING MACHINES SLUDGE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0232824
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-11-17T03:31:06.000
Chemical Name:	WASTE 213 HYDROCARBON SOLVENTS
Common Name:	TWO SOLVENT TANKS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0232825
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-11-17T03:31:06.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE 221 WASTE OIL & MIXED OIL
Case Number:	Not reported

Name:	ALTECH MACHINING INC
Address:	11000 N WOODSIDE AV
City,State,Zip:	SANTEE, CA 92071

ALTECH MACHINING INC (Continued) **S104397379**

Permit Number: 102118
Business Type: 6HK35
EPA Id Number: CAL000045408
APN: 381-540-13-00
Last HMMD Inspection: 02/13/2012
Facility Telephone: 619-448-3392
Permit Status: OPEN
Permit Expiration: 12/31/2012
Date Last Updated: 11/02/2012
Facility Owner: ALTECH MACHINING INC
Facility Mailing Address: 11000 N WOODSIDE AV
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071-2832
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 102118
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL; CUTTING, VARIOUS KINDS TONNA V-68/TRIM SOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 102118
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: GRINDING MACHINES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102118
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: TWO SOLVENT TANKS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102118
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

ALTECH MACHINING INC (Continued) **S104397379**

Permit Number: 102118
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: OIL CONTAMINATED ABSORBAN
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 102118
Update Date: 11/02/2012
Inspection Date: 08/05/2003
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

CERS HAZ WASTE:
Name: ALTECH MACHINING INC
Address: 11000 N WOODSIDE AVE
City,State,Zip: SANTEE, CA 92071
Site ID: 91324
CERS ID: 10376863
CERS Description: Hazardous Waste Onsite Treatment

Name: ALTECH MACHINING INC
Address: 11000 N WOODSIDE AVE
City,State,Zip: SANTEE, CA 92071
Site ID: 91324
CERS ID: 10376863
CERS Description: Hazardous Waste Generator

CERS:
Name: ALTECH MACHINING INC
Address: 11000 N WOODSIDE AVE
City,State,Zip: SANTEE, CA 92071
Site ID: 91324
CERS ID: 10376863
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6124938
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-09-2017
Violations Found: No

ALTECH MACHINING INC (Continued) **S104397379**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5646050
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-09-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5646050
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-09-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:4089480
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6124938
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-09-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5646050
Eval Division: San Diego County Department of Env Health
Eval Program: CE
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-09-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:4089480
Eval Division: San Diego County Department of Env Health
Eval Program: CE
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-09-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:4089480
Eval Division: San Diego County Department of Env Health

ALTECH MACHINING INC (Continued) **S104397379**

Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: MICHAEL W. DUFFORD
Entity Title: Not reported
Affiliation Address: 1022 KHISH LANE
Affiliation City: ALPINE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91901
Affiliation Phone: (619) 659-6097,

Affiliation Type Desc: Document Preparer
Entity Name: Michael W. Dufford
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Michael W Dufford
Entity Title: President
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: ALTECH MACHINING INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: ALAN & KAREN NEPHEW
Entity Title: Not reported
Affiliation Address: 11775 HIRIDGE ROAD
Affiliation City: LAKESIDE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92040
Affiliation Phone: (619) 823-4549,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported

ALTECH MACHINING INC (Continued) **S104397379**

Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	MIKE DUFFORD
Entity Title:	Not reported
Affiliation Address:	11000 N WOODSIDE AV
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	11000 N WOODSIDE AV
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071-2832
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Michael W. Dufford
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	ALTECH MACHINING INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 448-3392,

22
SE
< 1/8
0.054 mi.
286 ft.

SANTEE APARTMENTS
11071 WOODSIDE AVE #1
SANTEE, CA 92071

RCRA NonGen / NLR

1026165352
CAC003065370

Relative:
Higher

Actual:
368 ft.

RCRA Listings:

Date Form Received by Agency:		20200504
Handler Name:	SANTEE APARTMENTS	
Handler Address:		11071 WOODSIDE AVE #1
Handler City,State,Zip:		SANTEE, CA 92071-3263
EPA ID:		CAC003065370
Contact Name:		SANTEE APARTMENTS
Contact Address:		11085 WOODSIDE AVE
Contact City,State,Zip:		SANTEE, CA 92071-3281
Contact Telephone:		619-449-9091
Contact Fax:		Not reported
Contact Email:		ALLIER@CVECORP.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11085 WOODSIDE AVE
Mailing City,State,Zip:		SANTEE, CA 92071-3281
Owner Name:	SANTEE APARTMENTS	
Owner Type:		Other
Operator Name:	SANTEE APARTMENTS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

SANTEE APARTMENTS (Continued) **1026165352**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200515
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SANTEE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11085 WOODSIDE AVE
Owner/Operator City,State,Zip:	SANTEE, CA 92071-3281
Owner/Operator Telephone:	619-449-9091
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SANTEE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11085 WOODSIDE AVE
Owner/Operator City,State,Zip:	SANTEE, CA 92071-3281
Owner/Operator Telephone:	619-449-9091
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SANTEE APARTMENTS (Continued) **1026165352**

Historic Generators:
Receive Date: 20200504
Handler Name: SANTEE APARTMENTS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C23 **L & S PRECISION CUTTER SERVICE** **San Diego Co. HMMD** **S106063142**
SSW **10925 WHEATLANDS AVE** **CERS HAZ WASTE** **N/A**
< 1/8 **SANTEE, CA 92071** **CERS**
0.055 mi.
291 ft. **Site 11 of 14 in cluster C**

Relative: **Higher**
Actual: **359 ft.**

HMMD SAN DIEGO:
Name: BROOKLYN & SYPHER
Address: 10925 WHEATLANDS AV
City,State,Zip: SANTEE, CA 92071
Permit Number: 130195
Business Type: Not reported
EPA Id Number: CAL000012915
APN: 381-540-14-00
Last HMMD Inspection: 07/13/1989
Facility Telephone: 619-448-6664
Permit Status: INAC
Permit Expiration: 07/13/1989
Date Last Updated: 11/02/2012
Facility Owner: JOHN & TRACEY BROOKL
Facility Mailing Address: 10925 WHEATLANDS AV #K
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071-5605
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

L & S PRECISION CUTTER SERVICE (Continued) **S106063142**

CERS HAZ WASTE:
- Name: L & S PRECISION CUTTER SERVICE
- Address: 10925 WHEATLANDS AVE
- City,State,Zip: SANTEE, CA 92071
- Site ID: 128544
- CERS ID: 10377166
- CERS Description: Hazardous Waste Generator

CERS:
- Name: L & S PRECISION CUTTER SERVICE
- Address: 10925 WHEATLANDS AVE
- City,State,Zip: SANTEE, CA 92071
- Site ID: 128544
- CERS ID: 10377166
- CERS Description: Chemical Storage Facilities

Evaluation:
- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 08-22-2017
- Violations Found: No
- Eval Type: Routine done by local agency
- Eval Notes: Inspector: Kieu Bridget Inspection ID:5742156
- Eval Division: San Diego County Department of Env Health
- Eval Program: HW
- Eval Source: CERS,

- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 09-17-2019
- Violations Found: No
- Eval Type: Routine done by local agency
- Eval Notes: Inspector: Denslow Vikki Inspection ID:6245415
- Eval Division: San Diego County Department of Env Health
- Eval Program: HW
- Eval Source: CERS,

- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 09-18-2015
- Violations Found: No
- Eval Type: Routine done by local agency
- Eval Notes: Inspector: Kieu Bridget Inspection ID:4181084
- Eval Division: San Diego County Department of Env Health
- Eval Program: HW
- Eval Source: CERS,

Coordinates:
- Site ID: 128544
- Facility Name: L & S PRECISION CUTTER SERVICE
- Env Int Type Code: HWG
- Program ID: 10377166
- Coord Name: Not reported
- Ref Point Type Desc: Center of a facility or station.,
- Latitude: 32.846180
- Longitude: -116.959850

Affiliation:
- Affiliation Type Desc: Legal Owner

L & S PRECISION CUTTER SERVICE (Continued) **S106063142**

Entity Name:	Steven Rice
Entity Title:	Not reported
Affiliation Address:	10925 Wheatlands Ave., Ste. O
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 448-7611,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	10925 WHEATLANDS AV #O
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	L & S PRECISION CUTTER SERVICE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Kevin Rice
Entity Title:	Not reported
Affiliation Address:	10925 Wheatlands Ave., Ste. O
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	STEVEN J RICE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

L & S PRECISION CUTTER SERVICE (Continued) **S106063142**

Affiliation Phone: (619) 448-7611,

C24 **VINCENT X-RAY COMPANY** **RCRA NonGen / NLR** **1000168893**
SSW **10925 WHEATLANDS AVE SUITE F** **FINDS** **CAD982368888**
< 1/8 **SANTEE, CA 92071** **ECHO**
0.055 mi.
291 ft. **Site 12 of 14 in cluster C**

Relative: **Higher**

Actual: **359 ft.**

RCRA Listings:

Date Form Received by Agency:		19880411
Handler Name:	VINCENT X-RAY COMPANY	
Handler Address:		10925 WHEATLANDS AVE SUITE F
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAD982368888
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		10925 WHEATLANDS AVE SUITE F
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-561-6302
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		12722 LAKESHORE DR SUITE F
Mailing City,State,Zip:		LAKESIDE, CA 92040
Owner Name:	VINCENT A PORCO	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		Yes
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No

VINCENT X-RAY COMPANY (Continued) **1000168893**

Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: VINCENT A PORCO	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212

VINCENT X-RAY COMPANY (Continued) **1000168893**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19880411
Handler Name: VINCENT X-RAY COMPANY
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002801709

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000168893
Registry ID: 110002801709
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002801709
Name: VINCENT X-RAY COMPANY
Address: 10925 WHEATLANDS AVE SUITE F
City,State,Zip: SANTEE, CA 92071

C25 **L&S PRECISION CUTTER SERVICE** **RCRA NonGen / NLR** **1024817879**
SSW **10925 WHEATLANDS AVE STE O** **CAL000322962**
< 1/8 **SANTEE, CA 92071**
0.055 mi.
291 ft. **Site 13 of 14 in cluster C**

Relative:
Higher

Actual:
359 ft.

RCRA Listings:

Date Form Received by Agency:		20210728
Handler Name:	L&S PRECISION CUTTER SERVICE	
Handler Address:		10925 WHEATLANDS AVE STE O
Handler City,State,Zip:		SANTEE, CA 92071-5606
EPA ID:		CAL000322962
Contact Name:		STEVE RICE
Contact Address:		10925 WHEATLANDS AVE STE O
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-448-7611
Contact Fax:		619-448-1313
Contact Email:		LSCUTTERSERVICE@AOL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10925 WHEATLANDS AVE STE O
Mailing City,State,Zip:		SANTEE, CA 92071-5606
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	STEVE RICE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

L&S PRECISION CUTTER SERVICE (Continued) **1024817879**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210730
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: STEVE RICE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10925 WHEATLANDS AVE STE O
Owner/Operator City,State,Zip:	SANTEE, CA 92071-5606
Owner/Operator Telephone:	619-448-7611
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: STEVE RICE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10925 WHEATLANDS AVE STE O
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-448-7611
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

L&S PRECISION CUTTER SERVICE (Continued) **1024817879**

Owner/Operator Indicator: Operator
Owner/Operator Name: STEVE RICE
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 10925 WHEATLANDS AVE STE O
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-448-7611
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20070801
Handler Name: L&S PRECISION CUTTER SERVICE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20210728
Handler Name: L&S PRECISION CUTTER SERVICE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C26
SSW
< 1/8
0.055 mi.
291 ft.

TOOL DEPOT
10925 WHEATLANDS AVE
SANTEE, CA 92071

Site 14 of 14 in cluster C

RCRA-SQG **1010561999** **CAR000185587**

Relative:
Higher

Actual:
359 ft.

RCRA Listings:

Date Form Received by Agency:		20070702
Handler Name:	TOOL DEPOT	
Handler Address:		10925 WHEATLANDS AVE
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAR000185587
Contact Name:		BOB L WELTE
Contact Address:		3799 GAINES ST
Contact City,State,Zip:		SAN DIEGO, CA 92110
Contact Telephone:		619-448-6664
Contact Fax:		Not reported
Contact Email:		TOOLDEPOT@TNS.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Municipal
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		3799 GAINES ST
Mailing City,State,Zip:		SAN DIEGO, CA 92110
Owner Name:	JOHN CHRISTENSON	
Owner Type:		Private
Operator Name:	JOHN CHRISTENSON	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

TOOL DEPOT (Continued) **1010561999**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20070801
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JOHN CHRISTENSON	
Legal Status:	Private
Date Became Current:	19971012
Date Ended Current:	Not reported
Owner/Operator Address:	3799 GAINES ST
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92110
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

TOOL DEPOT (Continued) **1010561999**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JOHN CHRISTENSON
Legal Status: Private
Date Became Current: 19971012
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20070702
Handler Name: TOOL DEPOT
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 45299
NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

NAICS Code: 453998
NAICS Description: ALL OTHER MISCELLANEOUS STORE RETAILERS (EXCEPT TOBACCO STORES)

NAICS Code: 81149
NAICS Description: OTHER PERSONAL AND HOUSEHOLD GOODS REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F27 **KETEMA PROCESS EQUIPMENT CO., C/O BAKER PROCESS** **ENVIROSTOR** **S118757455**
ENE **9484 MISSION PARK PLACE** **N/A**
< 1/8 **SANTEE, CA 92071**
0.058 mi.
306 ft. **Site 1 of 10 in cluster F**

Relative: **Higher**
Actual: **356 ft.**

ENVIROSTOR:
Name: KETEMA PROCESS EQUIPMENT CO., C/O BAKER PROCESS
Address: 9484 MISSION PARK PLACE
City,State,Zip: SANTEE, CA 92071
Facility ID: 71003382

KETEMA PROCESS EQUIPMENT CO., C/O BAKER PROCESS (Continued) **S118757455**

Status: No Action Required
Status Date: 09/30/1998
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 71
Senate: 38
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.84870
Longitude: -116.9574
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000178492
Alias Type: EPA Identification Number
Alias Name: 71003382
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 09/30/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/31/2004
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

F28 **WESTERN CONSTRUCTION COMPONENTS INC** **CPS-SLIC** **S104745415**
ENE **9484 MISSION PARK PL** **San Diego Co. HMMD** **N/A**
< 1/8 **SANTEE, CA 92071** **EMI**
0.058 mi. **HAZNET**
306 ft. **Site 2 of 10 in cluster F** **NPDES**
CIWQS
Relative: **CERS**
Higher **HWTS**

Actual:
356 ft.

CPS-SLIC:

Name:	WESTERN CONSTRUCTION COMPONENT
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 920715610
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/20/1997
Global Id:	T0608164832
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02097-001
Latitude:	32.848582
Longitude:	-116.95756
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	9484 MISSION PARK PL, LLC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 92071
Permit Number:	210389
Business Type:	6HK18
EPA Id Number:	CAL000341171
APN:	381-070-56-00
Last HMMD Inspection:	07/14/2011
Facility Telephone:	619-448-8900
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	CARLOS E TORRES
Facility Mailing Address:	9484 MISSION PARK PL
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Permit Number:	210389
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE,LIQUIFIED PETROLEUM, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Violations Active Permits:

Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	07/14/2011
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE

Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE

Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE

Permit Number:	210389
Update Date:	11/02/2012

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Inspection Date:	02/24/2009
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Name:	9484 MISSION PARK PL, LLC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 92071
Permit Number:	210389
Business Type:	6HK18
EPA Id Number:	CAL000341171
APN:	381-070-56-00
Last HMMD Inspection:	07/14/2011
Facility Telephone:	619-448-8900
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	CARLOS E TORRES
Facility Mailing Address:	9484 MISSION PARK PL
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 210389
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE,LIQUIFIED PETROLEUM, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Violations Active Permits:
Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 07/14/2011
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Name:	9484 MISSION PARK PL, LLC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 92071
Permit Number:	210389
Business Type:	6HK18
EPA Id Number:	CAL000341171
APN:	381-070-56-00
Last HMMD Inspection:	07/14/2011
Facility Telephone:	619-448-8900
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	CARLOS E TORRES
Facility Mailing Address:	9484 MISSION PARK PL
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 210389
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE,LIQUIFIED PETROLEUM, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Violations Active Permits:
Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 07/14/2011
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

identification number. CCR 66262.12(a)
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Name: WESTERN CONSTRUCTION COMPONENT
Address: 9484 MISSION PARK PL
City,State,Zip: SANTEE, CA 92071
Permit Number: 102097
Business Type: 6HK35
EPA Id Number: CAL000189534
APN: 381-070-56-00
Last HMMD Inspection: 05/01/2006
Facility Telephone: 619-596-5696
Permit Status: CHNG
Permit Expiration: 01/31/2008
Date Last Updated: 11/02/2012
Facility Owner: GEORGE WILSON
Facility Mailing Address: 9484 MISSION PARK PL
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071-5610
UST Owner: Not reported

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Name: 9484 MISSION PARK PL, LLC
Address: 9484 MISSION PARK PL
City,State,Zip: SANTEE, CA 92071
Permit Number: 210389
Business Type: 6HK18
EPA Id Number: CAL000341171
APN: 381-070-56-00
Last HMMD Inspection: 07/14/2011
Facility Telephone: 619-448-8900
Permit Status: OPEN
Permit Expiration: 07/31/2013
Date Last Updated: 11/02/2012
Facility Owner: CARLOS E TORRES
Facility Mailing Address: 9484 MISSION PARK PL
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: N
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 210389
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE,LIQUIFIED PETROLEUM, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Violations Active Permits:
Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 07/14/2011
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 210389
Update Date: 11/02/2012
Inspection Date: 02/24/2009
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE
Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Permit Number:	210389
Update Date:	11/02/2012
Inspection Date:	02/24/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

EMI:

Name:	WESTERN CONSTRUCTION COMPONENTS INC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 92071
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	5895
Air District Name:	SD
SIC Code:	3537
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	13.69
Reactive Organic Gases Tons/Yr:	12.93
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	WESTERN CONSTRUCTION COMPONENTS INC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 95111
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	5895
Air District Name:	SD
SIC Code:	3537
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	13.69
Reactive Organic Gases Tons/Yr:	12.93
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	RAINBOW STEEL INC.
Address:	9484 MISSION PARK PL
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
Contact:	MANUEL GAMBOA

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Telephone:	6198432160
Mailing Name:	Not reported
Mailing Address:	9484 MISSION PARK PL
Year:	2016
Gepaid:	CAL000405195
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.5
Year:	2015
Gepaid:	CAL000405195
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.825

Additional Info:

Year:	2016
Gen EPA ID:	CAL000405195
Shipment Date:	20151008
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151021
Manifest ID:	008743157FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150511
Creation Date:	7/8/2015 22:15:46
Receipt Date:	20150526
Manifest ID:	008396764FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000405195
Shipment Date:	20151008
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151021
Manifest ID:	008743157FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150511
Creation Date:	7/8/2015 22:15:46
Receipt Date:	20150526
Manifest ID:	008396764FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	RAINBOW STEEL INC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Terminated
NPDES Number:	CAS000001
Region:	9
Agency Number:	0
Regulatory Measure ID:	422065
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	9 37I023449
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/21/2011
Termination Date Of Regulatory Measure:	10/29/2021
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	9484 Mission Park Pl
Discharge Name:	Rainbow Steel Inc
Discharge City:	Santee
Discharge State:	California
Discharge Zip:	92071
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	422065
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37I023449
Program Type:	Not reported

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/21/2011
Processed Date:	12/21/2011
Status:	Active
Status Date:	12/21/2011
Place Size:	124998
Place Size Unit:	SqFt
Contact:	Manuel Gamboa
Contact Title:	Not reported
Contact Phone:	619-449-2339
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Rainbow Steel Inc
Operator Address:	9484 Mission Park Pl
Operator City:	Santee
Operator State:	California
Operator Zip:	92071
Operator Contact:	Manuel Gamboa
Operator Contact Title:	Not reported
Operator Contact Phone:	619-449-2339
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Diego River
Certifier:	Manuel Gamboa
Certifier Title:	Safety Director
Certification Date:	14-AUG-15
Primary Sic:	3441-Fabricated Structural Metal
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	422065
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37I023449
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/21/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Rainbow Steel Inc
Discharge Address:	9484 Mission Park Pl
Discharge City:	Santee
Discharge State:	California
Discharge Zip:	92071
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	RAINBOW STEEL INC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 92071
Agency:	Rainbow Steel Inc
Agency Address:	9484 Mission Park Pl, Santee, CA 92071
Place/Project Type:	Industrial - Fabricated Structural Metal
SIC/NAICS:	3441
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I023449
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/21/2011
Termination Date:	10/29/2021
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.80847
Longitude:	-117.25919

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Name:	BLUE STAR STEEL INC
Address:	9484 MISSION PARK PLACE #B
City,State,Zip:	SANTEE, CA 92071
Agency:	Blue Star Steel Inc
Agency Address:	1253 El Rey Ave, El Cajon , CA 92021
Place/Project Type:	Industrial - Fabricated Structural Metal
SIC/NAICS:	3441
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I028164
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	05/14/2019
Termination Date:	11/09/2020
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.84915
Longitude:	-116.95732

CERS:

Name:	WESTERN CONSTRUCTION COMPONENT
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 920715610
Site ID:	247525
CERS ID:	T0608164832
CERS Description:	Cleanup Program Site

Name:	WESTERN CONSTRUCTION COMPONENTS INC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 92071
Site ID:	504786
CERS ID:	110021009754
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	JACK STANCZAK
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	RAINBOW STEEL INC.
Address:	9484 MISSION PARK PL

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000405195
Inactive Date:	06/30/2015
Create Date:	03/13/2015
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	9484 MISSION PARK PL
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 92071
Owner Name:	HENRY GAMBOA
Owner Address:	9484 MISSION PARK PL
Owner Address 2:	Not reported
Owner City,State,Zip:	SANTEE, CA 92071
Contact Name:	MANUEL GAMBOA
Contact Address:	9484 MISSION PARK PL
Contact Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.848587
Longitude:	-116.9575605

NAICS:

EPA ID:	CAL000405195
Create Date:	2015-03-13 09:13:37.327
NAICS Code:	337215
NAICS Description:	Showcase, Partition, Shelving, and Locker Manufacturing
Issued EPA ID Date:	2015-03-13 09:13:37.31300
Inactive Date:	2015-06-30 00:00:00
Facility Name:	RAINBOW STEEL INC.
Facility Address:	9484 MISSION PARK PL
Facility Address 2:	Not reported
Facility City:	SANTEE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92071

F29 **AMETEK, INC SANTEE DIV** **RCRA-SQG** **1008194585**
ENE **9484 MISSION PARK PLACE** **FINDS** **CAL000189534**
< 1/8 **SANTEE, CA 92071** **ECHO**
0.058 mi. **HAZNET**
306 ft. **Site 3 of 10 in cluster F** **HWTS**

Relative: **Higher**
Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:	20040223
Handler Name:	WESTERN CONSTRUCTION COMPONENTS INC
Handler Address:	9484 MISSION PARK PL
Handler City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000189534
Contact Name:	JACK STANCZAK
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	619-596-5696 20
Contact Fax:	Not reported
Contact Email:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2003
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9484 MISSION PARK PL
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	GEORGE WILSON	
Owner Type:		Private
Operator Name:	GEORGE WILSON	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20041203
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2003

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: GEORGE WILSON	
Legal Status:	Private
Date Became Current:	19980101
Date Ended Current:	Not reported
Owner/Operator Address:	9484 MISSION PARK PL
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GEORGE WILSON
Legal Status: Private
Date Became Current: 19980101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20040223
Handler Name: WESTERN CONSTRUCTION COMPONENTS INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 333924
NAICS Description: INDUSTRIAL TRUCK, TRACTOR, TRAILER, AND STACKER MACHINERY MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002711245

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

AMETEK, INC SANTEE DIV (Continued) **1008194585**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110070726666

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1008194585
Registry ID:	110002711245
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002711245
Name:	AMETEK, INC SANTEE DIV
Address:	9484 MISSION PARK PLACE
City,State,Zip:	SANTEE, CA 92071

HAZNET:

Name:	WESTERN CONSTRUCTION COMPONENTS INC
Address:	9484 MISSION PARK PL
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 920715610
Contact:	GEORGE WILSON / PRESIDENT
Telephone:	6195965696
Mailing Name:	Not reported
Mailing Address:	9484 MISSION PARK PL
Year:	2008
Gepaid:	CAL000189534
TSD EPA ID:	TXD077603371
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.175
Year:	2008
Gepaid:	CAL000189534
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Year: 2007
Gepaid: CAL000189534
TSD EPA ID: TXD077603371
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 1.025

Year: 2007
Gepaid: CAL000189534
TSD EPA ID: TXD077603371
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.8

Year: 2006
Gepaid: CAL000189534
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075

Year: 2005
Gepaid: CAL000189534
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.45

Year: 2005
Gepaid: CAL000189534
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: R01 - Recycler
Tons: 0.1

Year: 2005
Gepaid: CAL000189534
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 0.4587

Year: 2004
Gepaid: CAL000189534
TSD EPA ID: AZR000035915
CA Waste Code: 352 - Other organic solids
Disposal Method: R01 - Recycler
Tons: 0.55

Year: 2004
Gepaid: CAL000189534
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 0.22935

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Click this hyperlink while viewing on your computer to access
28 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2008
Gen EPA ID:	CAL000189534
Shipment Date:	20080604
Creation Date:	10/13/2008 18:30:32
Receipt Date:	20080617
Manifest ID:	001093734SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080604
Creation Date:	10/13/2008 18:30:40
Receipt Date:	20080616
Manifest ID:	001093733SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D007
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Additional Info:

Year:	2007
Gen EPA ID:	CAL000189534
Shipment Date:	20071105
Creation Date:	4/22/2008 18:30:08
Receipt Date:	20071116
Manifest ID:	000669619SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071105
Creation Date:	4/22/2008 18:30:08
Receipt Date:	20071116
Manifest ID:	000669619SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070717
Creation Date:	2/29/2008 18:30:06
Receipt Date:	20070802
Manifest ID:	000234511SKS

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070717
Creation Date:	2/29/2008 18:30:06
Receipt Date:	20070802
Manifest ID:	000234511SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070425
Creation Date:	12/20/2007 18:30:07
Receipt Date:	20070504
Manifest ID:	000221236SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Waste Code Description:	352 - Other organic solids
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070425
Creation Date:	12/20/2007 18:30:07
Receipt Date:	20070504
Manifest ID:	000221236SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070130
Creation Date:	10/8/2007 18:30:25
Receipt Date:	20070208
Manifest ID:	000800910JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070130
Creation Date:	10/8/2007 18:30:25
Receipt Date:	20070208
Manifest ID:	000800910JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000189534
Shipment Date:	20061215
Creation Date:	4/19/2007 18:31:14
Receipt Date:	20061222
Manifest ID:	001606377JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Additional Info:

Year:	2005
Gen EPA ID:	CAL000189534
Shipment Date:	20050307
Creation Date:	6/2/2005 18:31:52
Receipt Date:	20050316
Manifest ID:	24018044
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D / K - ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NONE
Meth Code:	R01 - Recycler
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050307
Creation Date:	7/21/2005 18:31:13
Receipt Date:	20050315
Manifest ID:	24018042
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NONE
Meth Code:	R01 - Recycler
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050201
Creation Date:	5/29/2005 18:30:53
Receipt Date:	20050209
Manifest ID:	24021767
Trans EPA ID:	CAD028277036

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D / K - ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NONE
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000189534
Shipment Date:	20041230
Creation Date:	4/20/2006 18:30:56
Receipt Date:	20050104
Manifest ID:	24020314
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NONE
Meth Code:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040901
Creation Date:	3/16/2007 18:31:12
Receipt Date:	20040908
Manifest ID:	23826667
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY

AMETEK, INC SANTEE DIV (Continued) **1008194585**

TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.594
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040901
Creation Date:	1/6/2005 18:32:03
Receipt Date:	20040908
Manifest ID:	23826668
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NON
Meth Code:	R01 - Recycler
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040226
Creation Date:	8/23/2004 8:30:10
Receipt Date:	20040227
Manifest ID:	22985186
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.594
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040226
Creation Date:	8/23/2004 8:30:10
Receipt Date:	20040305
Manifest ID:	22985187
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000189534
Shipment Date:	20031002
Creation Date:	8/3/2004 15:02:31
Receipt Date:	20031009
Manifest ID:	22983794
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Shipment Date:	20031002
Creation Date:	8/3/2004 15:03:33
Receipt Date:	20031003
Manifest ID:	22983793
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030902
Creation Date:	5/21/2004 15:17:53
Receipt Date:	Not reported
Manifest ID:	22983793
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030902
Creation Date:	5/21/2004 15:17:53
Receipt Date:	Not reported
Manifest ID:	22983794
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030814
Creation Date:	8/2/2004 9:36:58
Receipt Date:	20030822
Manifest ID:	22724603
Trans EPA ID:	CAR000011205
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	1.188
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030414
Creation Date:	8/5/2003 18:31:37
Receipt Date:	20030416
Manifest ID:	22227056
Trans EPA ID:	CAR000011205
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	1.188
Waste Quantity:	330
Quantity Unit:	G

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000189534
Shipment Date:	20021111
Creation Date:	2/25/2003 18:31:38
Receipt Date:	20021114
Manifest ID:	22217261
Trans EPA ID:	CAR000011205
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021111
Creation Date:	3/15/2003 18:31:28
Receipt Date:	20021115
Manifest ID:	22217303
Trans EPA ID:	CAR000011205
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	1.386
Waste Quantity:	385
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Shipment Date:	20020610
Creation Date:	2/7/2003 18:31:14
Receipt Date:	20020610
Manifest ID:	21647173
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020610
Creation Date:	2/7/2003 18:31:14
Receipt Date:	20020610
Manifest ID:	21647173
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	1.386
Waste Quantity:	385
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020313
Creation Date:	7/22/2002 18:32:38
Receipt Date:	20020313
Manifest ID:	21528164
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020305
Creation Date:	7/29/2002 18:31:50
Receipt Date:	20020305
Manifest ID:	21527949
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	1.35
Waste Quantity:	375
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020305
Creation Date:	7/29/2002 18:31:50
Receipt Date:	20020305
Manifest ID:	21527949
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000189534
Shipment Date:	20011022
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011022
Manifest ID:	21411026
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	1.386
Waste Quantity:	385
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010524
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010524
Manifest ID:	20926293
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.792
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Shipment Date:	20010213
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010213
Manifest ID:	20894475
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.425
Waste Quantity:	850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010213
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010213
Manifest ID:	20894475
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010116
Creation Date:	4/9/2001 0:00:00
Receipt Date:	20010116
Manifest ID:	20779119
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.05
Waste Quantity:	2100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010116
Creation Date:	4/9/2001 0:00:00
Receipt Date:	20010116
Manifest ID:	20779119
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.756
Waste Quantity:	210
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010116
Creation Date:	4/9/2001 0:00:00
Receipt Date:	20010116
Manifest ID:	20779119
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	G

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAL000189534
Shipment Date:	20001019
Creation Date:	12/13/2000 0:00:00
Receipt Date:	20001023
Manifest ID:	20158762
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001019
Creation Date:	1/9/2001 0:00:00
Receipt Date:	20001023
Manifest ID:	20498055
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Shipment Date:	20000914
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000918
Manifest ID:	20158529
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000824
Creation Date:	10/23/2000 0:00:00
Receipt Date:	20000828
Manifest ID:	20158523
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000824
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000828
Manifest ID:	20158524
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000720
Creation Date:	9/25/2000 0:00:00
Receipt Date:	20000725
Manifest ID:	20203787
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000720
Creation Date:	9/11/2000 0:00:00
Receipt Date:	20000725
Manifest ID:	20203883
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000615
Creation Date:	8/2/2000 0:00:00
Receipt Date:	20000616
Manifest ID:	20203711
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000615
Creation Date:	8/2/2000 0:00:00
Receipt Date:	20000616
Manifest ID:	20203711
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000601
Creation Date:	8/14/2000 0:00:00
Receipt Date:	20000609

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Manifest ID:	20203611
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000189534
Shipment Date:	19991230
Creation Date:	2/28/2000 0:00:00
Receipt Date:	20000107
Manifest ID:	99378784
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991206
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991213
Manifest ID:	99319996
Trans EPA ID:	CAR000011205
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

TSDF EPA ID:	AZR000035915
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991202
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991203
Manifest ID:	99378665
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991104
Creation Date:	1/11/2000 0:00:00
Receipt Date:	19991105
Manifest ID:	99378453
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991028
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991103
Manifest ID:	99319937
Trans EPA ID:	CAR000011205
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC980813022
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991007
Creation Date:	11/19/1999 0:00:00
Receipt Date:	19991008
Manifest ID:	99108704
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990929
Creation Date:	2/15/2000 0:00:00

AMETEK, INC SANTEE DIV (Continued) **1008194585**

Receipt Date:	19991002
Manifest ID:	99319885
Trans EPA ID:	CAR000011205
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC980813022
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990909
Creation Date:	10/27/1999 0:00:00
Receipt Date:	19990910
Manifest ID:	99108621
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990825
Creation Date:	10/28/1999 0:00:00
Receipt Date:	19990826
Manifest ID:	99108564
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903

AMETEK, INC SANTEE DIV (Continued) **1008194585**

TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1749
Waste Quantity:	53
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990812
Creation Date:	10/28/1999 0:00:00
Receipt Date:	19990813
Manifest ID:	99108455
Trans EPA ID:	CAR000036129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	WESTERN CONSTRUCTION COMPONENTS INC
Address:	9484 MISSION PARK PL
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000189534
Inactive Date:	06/30/2008
Create Date:	09/28/1998
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	9484 MISSION PARK PL
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 920715610
Owner Name:	WESTERN CONSTRUCTION COMPONENT
Owner Address:	9484 MISSION PARK PL
Owner Address 2:	Not reported
Owner City,State,Zip:	SANTEE, CA 920715610
Contact Name:	GEORGE WILSON / PRESIDENT
Contact Address:	9484 MISSION PARK PL
Contact Address 2:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1008194585**

City,State,Zip: SANTEE, CA 920715610
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 32.848825
Longitude: -116.956897

NAICS:
EPA ID: CAL000189534
Create Date: 2005-09-27 15:01:35.000
NAICS Code: 331511
NAICS Description: Iron Foundries
Issued EPA ID Date: 1998-09-28 00:00:00
Inactive Date: 2008-06-30 00:00:00
Facility Name: WESTERN CONSTRUCTION COMPONENTS INC
Facility Address: 9484 MISSION PARK PL
Facility Address 2: Not reported
Facility City: SANTEE
Facility County: Not reported
Facility State: CA
Facility Zip: 920715610

F30 **WESTERN CONSTRUCTION COMPONENT** **SAN DIEGO CO. SAM** **S108407335**
ENE **9484 MISSION PARK PL** **San Diego Co. HMMD** **N/A**
< 1/8 **SANTEE, CA 92071**
0.058 mi.
306 ft. **Site 4 of 10 in cluster F**

Relative:
Higher

Actual:
356 ft.

SAN DIEGO CO. SAM:
Name: WESTERN CONSTRUCTION COMPONENT
Address: 9484 MISSION PARK PL
City,State,Zip: SANTEE, CA 920715610
Case Number: H02097-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 8/20/1997
Date Began: 8/28/1995

HMMD SAN DIEGO:
Name: KITTYHAWK ENERGY
Address: 9484 MISSION PARK PL
City,State,Zip: SANTEE, CA 92071
Permit Number: 215501
Business Type: 6HK35
EPA Id Number: Not reported
APN: 381-070-56-00
Last HMMD Inspection: 09/07/2011
Facility Telephone: Not reported
Permit Status: EXPR
Permit Expiration: 01/31/2012
Date Last Updated: 11/02/2012
Facility Owner: KITTYHAWK ENERGY, LLC
Facility Mailing Address: 9484 MISSION PARK PL
Facility Mailing City: Santee
Facility Mailing State: CA

WESTERN CONSTRUCTION COMPONENT (Continued) **S108407335**

Facility Mailing Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 215501
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 215501
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 215501
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Name: RAINBOW STEEL, INC
Address: 9484 MISSION PARK PL
City,State,Zip: SANTEE, CA 92071
Permit Number: 215500
Business Type: 6HK35
EPA Id Number: CAL000341171
APN: 381-070-56-00
Last HMMD Inspection: 09/07/2011
Facility Telephone: 619-449-2339
Permit Status: EXPR
Permit Expiration: 01/31/2012
Date Last Updated: 11/02/2012
Facility Owner: RAINBOW STEEL, INC
Facility Mailing Address: 9484 MISSION PARK PL
Facility Mailing City: Santee
Facility Mailing State: CA
Facility Mailing Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported

WESTERN CONSTRUCTION COMPONENT (Continued) **S108407335**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 215500
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 215500
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 215500
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 215500
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SANDING DUST/ PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

F31 **BARE STEEL** **RCRA NonGen / NLR** **1027200885**
ENE **9484 MISSION PARK PL.** **CAC003164642**
< 1/8 **SANTEE, CA 92071**
0.058 mi.
306 ft. **Site 5 of 10 in cluster F**

Relative: **Higher**
Actual: **356 ft.**

RCRA Listings:
Date Form Received by Agency: 20220303
Handler Name: BARE STEEL
Handler Address: 9484 MISSION PARK PL.
Handler City,State,Zip: SANTEE, CA 92071
EPA ID: CAC003164642
Contact Name: BARE STEEL
Contact Address: 9484 MISSION PARK PL.
Contact City,State,Zip: SANTEE, CA 92071

BARE STEEL (Continued) **1027200885**

Contact Telephone:		619-843-2160
Contact Fax:		Not reported
Contact Email:		JENNIFER.LE@USECOLOGY.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9484 MISSION PARK PL.
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	BARE STEEL	
Owner Type:		Other
Operator Name:	BARE STEEL	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

BARE STEEL (Continued) **1027200885**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: BARE STEEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9484 MISSION PARK PL.
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-843-2160
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: BARE STEEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9484 MISSION PARK PL.
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-843-2160
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220303
Handler Name: BARE STEEL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No

BARE STEEL (Continued) **1027200885**

Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 48423
NAICS Description: SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LONG-DISTANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F32 **AMETEK, INC SANTEE DIV** **RCRA-SQG** **1000399882**
ENE **9484 MISSION PARK PLACE** **HAZNET** **CAD981450232**
< 1/8 **SANTEE, CA 92071** **HWTS**
0.058 mi.
306 ft. **Site 6 of 10 in cluster F**

Relative: **Higher**
Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:		19860304
Handler Name:	AMETEK, INC SANTEE DIV	
Handler Address:		9484 MISSION PARK PLACE
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAD981450232
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		9484 MISSION PARK PLACE
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-449-0202
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		P O BOX D
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	AMETEK, INC	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No

AMETEK, INC SANTEE DIV (Continued) **1000399882**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212

AMETEK, INC SANTEE DIV (Continued) **1000399882**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: AMETEK, INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19860304
Handler Name: AMETEK, INC SANTEE DIV
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HAZNET:
Name: AMETEK, INC SANTEE DIV
Address: 9484 MISSION PARK PLACE
Address 2: Not reported
City,State,Zip: SANTEE, CA 920710000
Contact: UNDELIVERABLE PER 95 FEES FORM
Telephone: --
Mailing Name: Not reported
Mailing Address: P O BOX D

Year: 1997
Gepaid: CAD981450232
TSD EPA ID: CAD044429835
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: D99 - Disposal, Other

AMETEK, INC SANTEE DIV (Continued) **1000399882**

Tons:	0.1675
Year:	1997
Gepaid:	CAD981450232
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	0.198
Year:	1997
Gepaid:	CAD981450232
TSD EPA ID:	CAD008252405
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	R01 - Recycler
Tons:	0.15
Year:	1997
Gepaid:	CAD981450232
TSD EPA ID:	UTD981552177
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	-
Tons:	0.0275
Year:	1997
Gepaid:	CAD981450232
TSD EPA ID:	CAD044429835
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D99 - Disposal, Other
Tons:	0.0175
Year:	1997
Gepaid:	CAD981450232
TSD EPA ID:	CAD044429835
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	D99 - Disposal, Other
Tons:	0.0075
Year:	1994
Gepaid:	CAD981450232
TSD EPA ID:	CAD000633164
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	1.8
Year:	1992
Gepaid:	CAD981450232
TSD EPA ID:	AZD049318009
CA Waste Code:	352 - Other organic solids
Disposal Method:	R01 - Recycler
Tons:	0.325
Year:	1991
Gepaid:	CAD981450232
TSD EPA ID:	CAT080031628
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.834

AMETEK, INC SANTEE DIV (Continued) **1000399882**

Year:	1991
Gepaid:	CAD981450232
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.2293

Click this hyperlink while viewing on your computer to access
14 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1997
Gen EPA ID:	CAD981450232
Shipment Date:	19970912
Creation Date:	4/23/1998 0:00:00
Receipt Date:	19970918
Manifest ID:	96661077
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970912
Creation Date:	4/23/1998 0:00:00
Receipt Date:	19970918
Manifest ID:	96661077
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.0425
Waste Quantity:	85
Quantity Unit:	P

AMETEK, INC SANTEE DIV (Continued) **1000399882**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970912
Creation Date:	4/23/1998 0:00:00
Receipt Date:	19970918
Manifest ID:	96661077
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970912
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970916
Manifest ID:	96661187
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970912
Creation Date:	4/23/1998 0:00:00
Receipt Date:	19970918

AMETEK, INC SANTEE DIV (Continued) **1000399882**

Manifest ID:	96661077
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970825
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970828
Manifest ID:	96661088
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970825
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970828
Manifest ID:	96661088
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1000399882**

Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD981450232
Shipment Date:	19941129
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941205
Manifest ID:	92875514
Trans EPA ID:	CAD047782560
Trans Name:	Not reported
Trans 2 EPA ID:	CAD009230244
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.8
Waste Quantity:	3600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	AMETEK, INC SANTEE DIV
Address:	9484 MISSION PARK PLACE
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAD981450232
Inactive Date:	06/30/1995
Create Date:	04/10/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	P O BOX D
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 920710000
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported

AMETEK, INC SANTEE DIV (Continued) **1000399882**

Owner City,State,Zip:	Not reported
Contact Name:	UNDELIVERABLE PER 95 FEES FORM
Contact Address:	HN
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	32.848347
Longitude:	-116.958075

F33 **BARE STEEL** **RCRA NonGen / NLR** **1026048180**
ENE **9484 MISSION PARK PLACE** **CAC003054786**
< 1/8 **SANTEE, CA 92071**
0.058 mi.
306 ft. **Site 7 of 10 in cluster F**

Relative: **Higher**
Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:		20200207
Handler Name:	BARE STEEL	
Handler Address:		9484 MISSION PARK PLACE
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAC003054786
Contact Name:		MANNY GAMBOA
Contact Address:		9316 WHEATLANDS RD
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-843-2160
Contact Fax:		Not reported
Contact Email:		MANNYSMONEY@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9316 WHEATLANDS RD
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	BARE STEEL	
Owner Type:		Other
Operator Name:	MANNY GAMBOA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No

BARE STEEL (Continued) **1026048180**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BARE STEEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9316 WHEATLANDS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-843-2160
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BARE STEEL (Continued) **1026048180**

Owner/Operator Indicator: Operator
Owner/Operator Name: MANNY GAMBOA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9316 WHEATLANDS RD
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-843-2160
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200207
Handler Name: BARE STEEL
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 20210901
Handler Name: BARE STEEL
Handler Address: 9484 MISSION PARK PLACE
Handler City,State,Zip: SANTEE, CA 92071
EPA ID: CAC003137149
Contact Name: MANNY GAMBOA
Contact Address: 9484 MISSION PARK PLACE
Contact City,State,Zip: SANTEE, CA 92071
Contact Telephone: 619-334-1440
Contact Fax: Not reported
Contact Email: JENNIFER.LE@USECOLOGY.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

BARE STEEL (Continued) **1026048180**

Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9484 MISSION PARK PLACE
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	BARE STEEL	
Owner Type:		Other
Operator Name:	MANNY GAMBOA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20210901

BARE STEEL (Continued) **1026048180**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BARE STEEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9484 MISSION PARK PLACE
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-334-1440
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MANNY GAMBOA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9484 MISSION PARK PLACE
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-334-1440
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210901
Handler Name: BARE STEEL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	48423
NAICS Description:	SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LONG-DISTANCE

Facility Has Received Notices of Violations:

Violations:	No Violations Found

BARE STEEL (Continued) **1026048180**

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency:		20201001
Handler Name:	BARE STEEL	
Handler Address:		9484 MISSION PARK PLACE
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAC003086411
Contact Name:		BARE STEEL
Contact Address:		9316 WHEATLANDS RD
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-843-2160
Contact Fax:		Not reported
Contact Email:		PERRY.HOWELL@USECOLOGY.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9316 WHEATLANDS RD
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	BARE STEEL	
Owner Type:		Other
Operator Name:	BARE STEEL	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported

BARE STEEL (Continued) **1026048180**

Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201008
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BARE STEEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9316 WHEATLANDS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-843-2160
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: BARE STEEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9316 WHEATLANDS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-843-2160
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BARE STEEL (Continued) **1026048180**

Historic Generators:
Receive Date: 20201001
Handler Name: BARE STEEL
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 20210315
Handler Name: BARE STEEL
Handler Address: 9484 MISSION PARK PLACE
Handler City,State,Zip: SANTEE, CA 92071
EPA ID: CAC003110108
Contact Name: BARE STEEL
Contact Address: 9316 WHEATLANDS RD.
Contact City,State,Zip: SANTEE, CA 92071
Contact Telephone: 619-843-2160
Contact Fax: Not reported
Contact Email: JENNIFER.LE@USECOLOGY.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 9316 WHEATLANDS RD.
Mailing City,State,Zip: SANTEE, CA 92071
Owner Name: BARE STEEL
Owner Type: Other
Operator Name: BARE STEEL
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No

BARE STEEL (Continued) **1026048180**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210322
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: BARE STEEL

BARE STEEL (Continued) **1026048180**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9316 WHEATLANDS RD.
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-843-2160
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: BARE STEEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9316 WHEATLANDS RD.
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-843-2160
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210315
Handler Name: BARE STEEL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	48423
NAICS Description:	SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LONG-DISTANCE

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F34 **BARE STEEL** **RCRA NonGen / NLR** **1026169282**
ENE **9484 MISSION PARK PL** **CAC003069330**
< 1/8 **SANTEE, CA 92071**
0.058 mi.
306 ft. **Site 8 of 10 in cluster F**

Relative: **Higher**

Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:		20200603
Handler Name:	BARE STEEL	
Handler Address:		9484 MISSION PARK PL
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAC003069330
Contact Name:		BARE STEEL
Contact Address:		9316 WHEATLANDS RD
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		760-809-3896
Contact Fax:		Not reported
Contact Email:		MANNYSMONEY@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9316 WHEATLANDS RD
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	BARE STEEL	
Owner Type:		Other
Operator Name:	BARE STEEL	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

BARE STEEL (Continued) **1026169282**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: BARE STEEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9316 WHEATLANDS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	760-809-3896
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: BARE STEEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9316 WHEATLANDS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	760-809-3896
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BARE STEEL (Continued) **1026169282**

Historic Generators:
Receive Date: 20200603
Handler Name: BARE STEEL
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F35 **BARE STEEL INC** **RCRA NonGen / NLR** **1027214439**
ENE **9484 MISSION PARK PL** **CAC003179086**
< 1/8 **SANTEE, CA 92154**
0.058 mi.
306 ft. **Site 9 of 10 in cluster F**

Relative: **Higher**
Actual: **356 ft.**

RCRA Listings:
Date Form Received by Agency: 20220602
Handler Name: BARE STEEL INC
Handler Address: 9484 MISSION PARK PL
Handler City,State,Zip: SANTEE, CA 92154
EPA ID: CAC003179086
Contact Name: MIGUEL GAMBOA
Contact Address: 9484 MISSION PARK PL
Contact City,State,Zip: SANTEE, CA 92154
Contact Telephone: 619-843-2160
Contact Fax: Not reported
Contact Email: JENNIFER.LE@USECOLOGY.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 9484 MISSION PARK PL
Mailing City,State,Zip: SANTEE, CA 92154
Owner Name: BARE STEEL INC.

BARE STEEL INC (Continued) **1027214439**

Owner Type:		Other
Operator Name:	MIGUEL GAMBOA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20220606
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

BARE STEEL INC (Continued) **1027214439**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: BARE STEEL INC.
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9484 MISSION PARK PL
Owner/Operator City,State,Zip: SANTEE, CA 92154
Owner/Operator Telephone: 619-843-2160
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MIGUEL GAMBOA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9484 MISSION PARK PL
Owner/Operator City,State,Zip: SANTEE, CA 92154
Owner/Operator Telephone: 619-843-2160
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220602
Handler Name: BARE STEEL INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 484230
NAICS Description: SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LONG-DISTANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F36 **9484 MISSION PARK PLACE LLC** **CERS HAZ WASTE** **S113155517**
ENE **9484 MISSION PARK PL** **HAZNET** **N/A**
< 1/8 **SANTEE, CA 92071** **NPDES**
0.058 mi. **CIWQS**
306 ft. **Site 10 of 10 in cluster F** **CERS**
HWTS

Relative: Higher

Actual: 356 ft.

CERS HAZ WASTE:
Name: BARE STEEL INC
Address: 9484 MISSION PARK PL
City,State,Zip: SANTEE, CA 92071
Site ID: 579229
CERS ID: 10377244
CERS Description: Hazardous Waste Generator

HAZNET:
Name: 9484 MISSION PARK PLACE LLC
Address: 9484 MISSION PARK PL
Address 2: Not reported
City,State,Zip: SANTEE, CA 920710000
Contact: CARLOS E TORRES
Telephone: 6194488900
Mailing Name: Not reported
Mailing Address: 9484 MISSION PARK PL

Year: 2009
Gepaid: CAL000341171
TSD EPA ID: CAD982444481
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1251

Year: 2009
Gepaid: CAL000341171
TSD EPA ID: ARD981057870
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.055

Year: 2009
Gepaid: CAL000341171
TSD EPA ID: ARD981057870
CA Waste Code: 352 - Other organic solids
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.6835

Additional Info:
Year: 2009
Gen EPA ID: CAL000341171

Shipment Date: 20090320
Creation Date: 7/31/2009 18:30:21
Receipt Date: 20090403
Manifest ID: 005504716JJK
Trans EPA ID: CAR000070540
Trans Name: ADVANCED CHEMICAL TRANSPORT

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	RUST AND SONS
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO CHEMICAL INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.6835
Waste Quantity:	1367
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090320
Creation Date:	5/11/2009 18:30:47
Receipt Date:	20090326
Manifest ID:	005504717JJK
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090320
Creation Date:	7/31/2009 18:30:21
Receipt Date:	20090403
Manifest ID:	005504716JJK
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT
Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	RUST AND SONS
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO CHEMICAL INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.055
Waste Quantity:	110
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	TORRES GENERAL
Address:	9484 MISSION PARK PLACE
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37IN600339
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	No Action Required
Status Date:	09/01/2020
Operator Name:	Carlos Torres
Operator Address:	9484 Mission Park Place
Operator City:	Santee
Operator State:	California
Operator Zip:	92071

Name:	WESTERN CONSTRUCTION COMP INC
Address:	9484 MISSION PARK PLACE
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	Not reported
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Returned
Status Date:	08/25/2006
Operator Name:	Western Construction Comp Inc
Operator Address:	9484 Mission Park Pl
Operator City:	Santee
Operator State:	California
Operator Zip:	92071

Name:	BARE STEEL INC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37I028650
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	05/11/2020
Operator Name:	Bare Steel Inc
Operator Address:	9484 Mission Park Pl
Operator City:	Santee
Operator State:	California
Operator Zip:	92071

Name:	BARE STEEL INC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Active
NPDES Number:	CAS000001
Region:	9
Agency Number:	0
Regulatory Measure ID:	520831
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	9 37I028650
Regulatory Measure Type:	Enrollee
Program Type:	Industrial

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/11/2020
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	9484 Mission Park Pl
Discharge Name:	Bare Steel Inc
Discharge City:	Santee
Discharge State:	California
Discharge Zip:	92071
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

CIWQS:

Name:	BARE STEEL INC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 92071
Agency:	Bare Steel Inc
Agency Address:	9484 Mission Park Pl, Santee, CA 92071
Place/Project Type:	Industrial - Fabricated Structural Metal
SIC/NAICS:	3441
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I028650
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	05/11/2020
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.84897
Longitude:	-116.95756

CERS:

Name:	BARE STEEL INC
Address:	9484 MISSION PARK PL
City,State,Zip:	SANTEE, CA 92071
Site ID:	579229
CERS ID:	10377244
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	579229
Site Name:	Bare Steel Inc
Violation Date:	01-16-2019

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 02/11/2019. Inspection Sequence ID:6064222
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	579229
Site Name:	Bare Steel Inc
Violation Date:	02-10-2015
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 02/12/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	579229
Site Name:	Bare Steel Inc
Violation Date:	02-10-2015
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/12/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	579229
Site Name:	Bare Steel Inc
Violation Date:	01-16-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 02/11/2019. Inspection Sequence ID:6064222
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	579229
Site Name:	Bare Steel Inc
Violation Date:	02-10-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 02/12/2015.

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6064222
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4147293
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-13-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5605928
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 579229
Facility Name: Bare Steel Inc
Env Int Type Code: HMBP
Program ID: 10377244
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.848770
Longitude: -116.957520

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Bare Steel Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 807-8880,

Affiliation Type Desc: Owner/Operator
Entity Name: Bare Steel Inc
Entity Title: Operator

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

Affiliation Address:	9484 Mission Park Pl
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	Andrew Deremer
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	9484 MISSION PARK PL
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Michael Gamboa
Entity Title:	Not reported
Affiliation Address:	9484 MISSION PARK PL
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 807-8880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Randa Allen
Entity Title:	Not reported
Affiliation Address:	9484 MISSION PARK PL
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

Affiliation Type Desc: Parent Corporation
Entity Name: Bare Steel Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: BARE STEEL INC
Address: 9484 MISSION PARK PL
City,State,Zip: SANTEE, CA 92071
Site ID: 579229
CERS ID: 881903
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 579229
Site Name: Bare Steel Inc
Violation Date: 01-16-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 02/11/2019. Inspection Sequence ID:6064222
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 579229
Site Name: Bare Steel Inc
Violation Date: 02-10-2015
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 02/12/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 579229
Site Name: Bare Steel Inc
Violation Date: 02-10-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 02/12/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

Site ID:	579229
Site Name:	Bare Steel Inc
Violation Date:	01-16-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 02/11/2019. Inspection Sequence ID:6064222
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	579229
Site Name:	Bare Steel Inc
Violation Date:	02-10-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 02/12/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6064222
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-10-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Santos Steven Inspection ID:4147293
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5605928
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	579229
Facility Name:	Bare Steel Inc

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

Env Int Type Code: HMBP
Program ID: 10377244
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.848770
Longitude: -116.957520

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Bare Steel Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 807-8880,

Affiliation Type Desc: Owner/Operator
Entity Name: Bare Steel Inc
Entity Title: Operator
Affiliation Address: 9484 Mission Park Pl
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Document Preparer
Entity Name: Andrew Deremer
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 9484 MISSION PARK PL
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

Affiliation Type Desc:	Legal Owner
Entity Name:	Michael Gamboa
Entity Title:	Not reported
Affiliation Address:	9484 MISSION PARK PL
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 807-8880,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Randa Allen
Entity Title:	Not reported
Affiliation Address:	9484 MISSION PARK PL
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Bare Steel Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	9484 MISSION PARK PLACE LLC
Address:	9484 MISSION PARK PL
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000341171
Inactive Date:	06/30/2012
Create Date:	03/10/2009
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	9484 MISSION PARK PL
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 920710000
Owner Name:	CARLOS E TORRES
Owner Address:	13703 ADELE LN
Owner Address 2:	Not reported
Owner City,State,Zip:	JAMUL, CA 919350000
Contact Name:	CARLOS E TORRES
Contact Address:	9484 MISSION PARK PL
Contact Address 2:	Not reported
City,State,Zip:	SANTEE, CA 920710000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.848827
Longitude:	-116.957016

9484 MISSION PARK PLACE LLC (Continued) **S113155517**

NAICS:

EPA ID:	CAL000341171
Create Date:	2009-03-10 14:33:39.890
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2009-03-10 14:33:39.87300
Inactive Date:	2012-06-30 00:00:00
Facility Name:	9484 MISSION PARK PLACE LLC
Facility Address:	9484 MISSION PARK PL
Facility Address 2:	Not reported
Facility City:	SANTEE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920710000

Name:	BARE STEEL
Address:	9484 MISSION PARK PL.
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAC003164642
Inactive Date:	Not reported
Create Date:	03/03/2022
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	9484 MISSION PARK PL.
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 92071
Owner Name:	BARE STEEL
Owner Address:	9484 MISSION PARK PL.
Owner Address 2:	Not reported
Owner City,State,Zip:	SANTEE, CA 92071
Contact Name:	BARE STEEL
Contact Address:	9484 MISSION PARK PL.
Contact Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Active
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	32.84870201
Longitude:	-116.9575

---

37 **ALTECH MACHINING INC** **RCRA NonGen / NLR** **1024788371**
ESE **11000 WOODSIDE AVE NORTH** **CAL000045408**
< 1/8 **SANTEE, CA 92071**
0.061 mi.
323 ft.

Relative:
Higher

Actual:
362 ft.

RCRA Listings:

Date Form Received by Agency:		19910625
Handler Name:	ALTECH MACHINING INC	
Handler Address:		11000 WOODSIDE AVE NORTH
Handler City,State,Zip:		SANTEE, CA 92071-2832
EPA ID:		CAL000045408
Contact Name:		CATHY MURRAY - OFFICE MANAGER
Contact Address:		11000 WOODSIDE AVE N
Contact City,State,Zip:		SANTEE, CA 92071

ALTECH MACHINING INC (Continued) **1024788371**

Contact Telephone:		619-448-3392
Contact Fax:		619-448-6854
Contact Email:		INFO@ALTECHMACHINING.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11000 WOODSIDE AVE N
Mailing City,State,Zip:		SANTEE, CA 92071-2832
Owner Name:	ALTECH MACHINING INC	
Owner Type:		Other
Operator Name:	CATHY MURRAY - OFFICE MANAGER	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

ALTECH MACHINING INC (Continued) **1024788371**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALTECH MACHINING INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11000 WOODSIDE AVE N
Owner/Operator City,State,Zip:	SANTEE, CA 92071-2832
Owner/Operator Telephone:	619-448-3392
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: CATHY MURRAY - OFFICE MANAGER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11000 WOODSIDE AVE N
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-448-3392
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19910625
Handler Name: ALTECH MACHINING INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported

ALTECH MACHINING INC (Continued) **1024788371**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332912
NAICS Description: FLUID POWER VALVE AND HOSE FITTING MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E38 **CALSINO INC** **RCRA-SQG** **1025878930**
South **10943 WHEATLANDS AVE** **CAP000055343**
< 1/8 **SANTEE, CA 92071**
0.063 mi.
333 ft. **Site 3 of 3 in cluster E**

Relative: **Higher**
Actual: **360 ft.**

RCRA Listings:

Date Form Received by Agency:		19990810
Handler Name:	CALSINO INC	
Handler Address:		10943 WHEATLANDS AVE
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAP000055343
Contact Name:		JEANNIE AGUIRE
Contact Address:		11545 W BERNARDO CT STE 307
Contact City,State,Zip:		SAN DIEGO, CA 92127
Contact Telephone:		858-207-1164
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11545 W BERNARDO CT STE 307
Mailing City,State,Zip:		SAN DIEGO, CA 92127
Owner Name:	INTERNATIONAL THUNDERBIRD	
Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No

CALSINO INC (Continued) **1025878930**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021022
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INTERNATIONAL THUNDERBIRD
Legal Status:	Private

CALSINO INC (Continued) **1025878930**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11545 W BERNARDO CT STE 307
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92127
Owner/Operator Telephone:	858-451-3657
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19990810
Handler Name: CALSINO INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

G39 **JIMCO RACING INC** **RCRA NonGen / NLR** **1024868030**
WSW **9426 WHEATLANDS CT** **CAL000436632**
< 1/8 **SANTEE, CA 92071**
0.066 mi.
347 ft. **Site 1 of 6 in cluster G**

Relative: **Higher**
Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:	20200303
Handler Name: JIMCO RACING INC	
Handler Address:	9426 WHEATLANDS CT
Handler City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000436632
Contact Name:	MATTHEW LOIODICE
Contact Address:	9426 WHEATLANDS CT
Contact City,State,Zip:	SANTEE, CA 92071
Contact Telephone:	619-596-3360
Contact Fax:	619-596-3364
Contact Email:	ACCOUNTING@JIMCORACING.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported

JIMCO RACING INC (Continued) **1024868030**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9335 STEVENS RD
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	ROBERT PIERCE	
Owner Type:		Other
Operator Name:	MATTHEW LOIODICE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

JIMCO RACING INC (Continued) **1024868030**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MATTHEW LOIODICE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9426 WHEATLANDS CT
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-596-3360
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MATTHEW LOIODICE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9426 WHEATLANDS CT
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-596-3360
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROBERT PIERCE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9335 STEVENS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-2424
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROBERT PIERCE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9335 STEVENS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-2424
Owner/Operator Telephone Ext:	Not reported

JIMCO RACING INC (Continued) **1024868030**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200303
Handler Name: JIMCO RACING INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20180601
Handler Name: JIMCO RACING INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G40 **PHILIP THEARLE'S AUTOWERKS** **RCRA-SQG** **1000286340**
WSW **9426 WHEATLANDS COURT, STE C** **EMI** **CAD118586056**
< 1/8 **SANTEE, CA 92071**
0.066 mi.
347 ft. **Site 2 of 6 in cluster G**

Relative:
Higher

Actual:
356 ft.

RCRA Listings:
Date Form Received by Agency: 19960901
Handler Name: PHILIP THEARLE'S AUTOWERKS
Handler Address: 9426 WHEATLANDS COURT, STE C
Handler City,State,Zip: SANTEE, CA 92071
EPA ID: CAD118586056
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported

PHILIP THEARLE'S AUTOWERKS (Continued) **1000286340**

Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		9426 WHEATLANDS COURT, STE C
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

PHILIP THEARLE'S AUTOWERKS (Continued) **1000286340**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: PHILIP THEARLE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: PHILIP THEARLE'S AUTOWERKS	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported

PHILIP THEARLE'S AUTOWERKS (Continued) **1000286340**

Electronic Manifest Broker: Not reported

Receive Date: 19851104
Handler Name: PHILIP THEARLE'S AUTOWERKS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

EMI:
Name: THEARLES PHILIP AUTOWERKS
Address: 9426 WHEATLANDS CT
City,State,Zip: SANTEE, CA 920710000
Year: 1999
County Code: 37
Air Basin: SD
Facility ID: 85218
Air District Name: SD
SIC Code: 7532
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: THEARLES PHILIP AUTOWERKS
Address: 9426 WHEATLANDS CT
City,State,Zip: SANTEE, CA 920710000
Year: 2000
County Code: 37
Air Basin: SD
Facility ID: 85218
Air District Name: SD

PHILIP THEARLE'S AUTOWERKS (Continued) **1000286340**

SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THEARLES PHILIP AUTOWERKS
Address:	9426 WHEATLANDS CT
City,State,Zip:	SANTEE, CA 920710000
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	85218
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THEARLES PHILIP AUTOWERKS
Address:	9426 WHEATLANDS CT
City,State,Zip:	SANTEE, CA 920710000
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	85218
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THEARLES PHILIP AUTOWERKS
Address:	9426 WHEATLANDS CT
City,State,Zip:	SANTEE, CA 920710000
Year:	2003
County Code:	37

PHILIP THEARLE'S AUTOWERKS (Continued) **1000286340**

Air Basin:	SD
Facility ID:	85218
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THEARLES PHILIP AUTOWERKS
Address:	9426 WHEATLANDS CT
City,State,Zip:	SANTEE, CA 920710000
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	85218
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.69293302
Reactive Organic Gases Tons/Yr:	1.5614079
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THEARLES PHILIP AUTOWERKS
Address:	9426 WHEATLANDS CT
City,State,Zip:	SANTEE, CA 920710000
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	85218
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.69293302
Reactive Organic Gases Tons/Yr:	1.5614079
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THEARLES PHILIP AUTOWERKS
Address:	9426 WHEATLANDS CT

PHILIP THEARLE'S AUTOWERKS (Continued) **1000286340**

City,State,Zip:	SANTEE, CA 920710000
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	85218
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.69293302
Reactive Organic Gases Tons/Yr:	1.5614079
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

G41 **JIMCO RACING, INC** **RCRA NonGen / NLR** **1026052101**
WSW **9426 WHEATLANDS CT** **CAC003058993**
< 1/8 **SANTEE, CA 92071**
0.066 mi.
347 ft. **Site 3 of 6 in cluster G**

Relative: **Higher**

Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:		20200306
Handler Name:	JIMCO RACING, INC	
Handler Address:		9426 WHEATLANDS CT
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAC003058993
Contact Name:		ANITA STEWART
Contact Address:		9335 STEVENS RD
Contact City,State,Zip:		SANTEE, CA 92071-2809
Contact Telephone:		619-219-5133
Contact Fax:		Not reported
Contact Email:		ANITA@30RACING.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9335 STEVENS RD
Mailing City,State,Zip:		SANTEE, CA 92071-2809
Owner Name:	ROBERT PIERCE	
Owner Type:		Other
Operator Name:	ANITA STEWART	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

JIMCO RACING, INC (Continued) **1026052101**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200306
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: ANITA STEWART	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

JIMCO RACING, INC (Continued) **1026052101**

Owner/Operator Address:	9335 STEVENS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071-2809
Owner/Operator Telephone:	619-219-5133
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ROBERT PIERCE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9335 STEVENS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071-2809
Owner/Operator Telephone:	619-562-2424
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200306
Handler Name: JIMCO RACING, INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	336320
NAICS Description:	MOTOR VEHICLE ELECTRICAL AND ELECTRONIC EQUIPMENT MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

G42 **JACK RANDALL S AUTOMOTIVE** **RCRA-SQG** **1000267072**
SW **10845 WHEATLANDS STE F** **FINDS** **CAD982516239**
< 1/8 **SANTEE, CA 92071** **ECHO**
0.068 mi. **HAZNET**
361 ft. **Site 4 of 6 in cluster G** **HWTS**

Relative:
Higher

Actual:
356 ft.

RCRA Listings:

Date Form Received by Agency:	19890215
Handler Name:	JACK RANDALL S AUTOMOTIVE
Handler Address:	10845 WHEATLANDS STE F
Handler City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAD982516239

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		10845 WHEATLANDS STE F
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-449-0899
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		10845 WHEATLANDS STE F
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	JACK RADDALL	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JACK RADDALL	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19890215
Handler Name: JACK RANDALL S AUTOMOTIVE	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20040621
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110002838957

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000267072
Registry ID:	110002838957
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002838957
Name:	JACK RANDALL S AUTOMOTIVE
Address:	10845 WHEATLANDS STE F
City,State,Zip:	SANTEE, CA 92071

HAZNET:

Name:	JACK RANDALL S AUTOMOTIVE
Address:	10845 WHEATLANDS STE F
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 920710000
Contact:	JACK RANDALL'S AUTOMOTIVE
Telephone:	6194490899
Mailing Name:	Not reported
Mailing Address:	10845 WHEATLANDS AVE STE F
Year:	2014
Gepaid:	CAD982516239
TSD EPA ID:	CAD044429835
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Year:	2011
Gepaid:	CAD982516239
TSD EPA ID:	CAT000613976

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

CA Waste Code:	342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.015
Year:	2010
Gepaid:	CAD982516239
TSD EPA ID:	CAT000613976
CA Waste Code:	342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	-
Tons:	0.1251
Year:	2009
Gepaid:	CAD982516239
TSD EPA ID:	CAT000613976
CA Waste Code:	342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Year:	2008
Gepaid:	CAD982516239
TSD EPA ID:	CAT000613976
CA Waste Code:	342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1251
Year:	2007
Gepaid:	CAD982516239
TSD EPA ID:	CAT000613893
CA Waste Code:	342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1251
Year:	2005
Gepaid:	CAD982516239
TSD EPA ID:	CAT000613893
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H01 - Transfer Station
Tons:	0.02085
Year:	2003
Gepaid:	CAD982516239
TSD EPA ID:	CAT000613893
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H01 - Transfer Station
Tons:	0.102
Year:	2003
Gepaid:	CAD982516239

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

TSD EPA ID:	CAT000613976
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H01 - Transfer Station
Tons:	0.14178
Year:	2002
Gepaid:	CAD982516239
TSD EPA ID:	CAT000613893
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H01 - Transfer Station
Tons:	0.05004

Click this hyperlink while viewing on your computer to access
6 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2014
Gen EPA ID:	CAD982516239
Shipment Date:	20140221
Creation Date:	6/10/2014 22:15:04
Receipt Date:	20140303
Manifest ID:	004122422SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAD982516239
Shipment Date:	20110929
Creation Date:	3/22/2012 20:30:11
Receipt Date:	20111004
Manifest ID:	002882782SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	342 - Organic liquids with metals (see 121
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD982516239
Shipment Date:	20100630
Creation Date:	1/24/2011 18:30:30
Receipt Date:	20100707
Manifest ID:	003320557FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	342 - Organic liquids with metals (see 121
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAD982516239
Shipment Date:	20090415
Creation Date:	8/17/2009 18:30:22
Receipt Date:	20090420
Manifest ID:	001737734SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	342 - Organic liquids with metals (see 121
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAD982516239
Shipment Date:	20080616
Creation Date:	10/13/2008 18:30:32
Receipt Date:	20080619
Manifest ID:	001093924SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	342 - Organic liquids with metals (see 121
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD982516239
Shipment Date:	20070302
Creation Date:	2/23/2008 18:30:29
Receipt Date:	20070309
Manifest ID:	000179317SKS

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC 000798
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	342 - Organic liquids with metals (see 121
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD982516239
Shipment Date:	20050826
Creation Date:	4/13/2006 18:46:51
Receipt Date:	20050902
Manifest ID:	24350794
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD982516239
Shipment Date:	20031031
Creation Date:	8/5/2004 10:07:02
Receipt Date:	20031110

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

Manifest ID:	22642555
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030625
Creation Date:	7/22/2004 7:52:06
Receipt Date:	20030630
Manifest ID:	22318606
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030623
Creation Date:	7/22/2004 7:52:06
Receipt Date:	20030626
Manifest ID:	22318525
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030220
Creation Date:	5/18/2003 14:34:25
Receipt Date:	20030228
Manifest ID:	22181175
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD982516239
Shipment Date:	20021016
Creation Date:	2/6/2003 18:31:16
Receipt Date:	20021018
Manifest ID:	22056266
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05004
Waste Quantity:	12

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD982516239
Shipment Date:	20011001
Creation Date:	1/16/2002 0:00:00
Receipt Date:	Not reported
Manifest ID:	20434304
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.11
Waste Quantity:	220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010202
Creation Date:	4/19/2001 0:00:00
Receipt Date:	20010206
Manifest ID:	20369382
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.11
Waste Quantity:	220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

JACK RANDALL S AUTOMOTIVE (Continued) **1000267072**

Additional Code 5: Not reported

HWTS:

Name:	JACK RANDALL S AUTOMOTIVE
Address:	10845 WHEATLANDS STE F
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAD982516239
Inactive Date:	06/30/2016
Create Date:	06/15/1989
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	10845 WHEATLANDS AVE STE F
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 920712865
Owner Name:	JACK RANDALL
Owner Address:	10845 WHEATLANDS AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SANTEE, CA 920710000
Contact Name:	JACK RANDALL'S AUTOMOTIVE
Contact Address:	10845 WHEATLANDS AVE STE F
Contact Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	32.846658
Longitude:	-116.96014

NAICS:

EPA ID:	CAD982516239
Create Date:	2002-03-14 16:36:27.000
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	1989-06-15 00:00:00
Inactive Date:	2016-06-30 00:00:00
Facility Name:	JACK RANDALL S AUTOMOTIVE
Facility Address:	10845 WHEATLANDS STE F
Facility Address 2:	Not reported
Facility City:	SANTEE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920710000

G43 **KIFER HYDRAULICS CO INC DBA HOSETECH** **RCRA NonGen / NLR** **1024842542**
West **9440 WHEATLANDS CT STE 14** **CAL000393149**
< 1/8 **SANTEE, CA 92071**
0.078 mi.
414 ft. **Site 5 of 6 in cluster G**

Relative: **Lower**

Actual: **350 ft.**

RCRA Listings:

Date Form Received by Agency:	20140116
Handler Name:	KIFER HYDRAULICS CO INC DBA HOSETECH
Handler Address:	9440 WHEATLANDS CT STE 14
Handler City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000393149
Contact Name:	SHARIE CARTER

KIFER HYDRAULICS CO INC DBA HOSETECH (Continued) **1024842542**

Contact Address:		1099 N. CUYAMACA ST
Contact City,State,Zip:		EL CAJON, CA 92020
Contact Telephone:		619-562-5673
Contact Fax:		619-562-4623
Contact Email:		OFFICE.HOSETECH@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 710429
Mailing City,State,Zip:		SANTEE, CA 92072-0429
Owner Name:	KIFER HYDRAULICS CO INC	
Owner Type:		Other
Operator Name:	SHARIE CARTER	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking

KIFER HYDRAULICS CO INC DBA HOSETECH (Continued) **1024842542**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: KIFER HYDRAULICS CO INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1099 N. CUYAMACA ST
Owner/Operator City,State,Zip:	EL CAJON, CA 92020-0000
Owner/Operator Telephone:	858-627-9592
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: SHARIE CARTER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1099 N. CUYAMACA ST
Owner/Operator City,State,Zip:	EL CAJON, CA 92020
Owner/Operator Telephone:	619-562-5673
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140116
Handler Name: KIFER HYDRAULICS CO INC DBA HOSETECH	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

KIFER HYDRAULICS CO INC DBA HOSETECH (Continued) **1024842542**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42184
NAICS Description: INDUSTRIAL SUPPLIES WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G44 **FUTURE MACHINE** **San Diego Co. HMMD** **S121626196**
West **9440 WHEATLANDS CT #2** **CERS HAZ WASTE** **N/A**
< 1/8 **SANTEE, CA 92071** **NPDES**
0.078 mi. **CIWQS**
414 ft. **Site 6 of 6 in cluster G** **CERS**

Relative:
Lower

Actual:
350 ft.

HMMD SAN DIEGO:
Name: FUTURE MACHINE
Address: 9440 WHEATLANDS CT 2
City,State,Zip: SANTEE, CA 92071
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000280862
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-596-6970
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 02/10/2022
Facility Owner: Not reported
Facility Mailing Address: 9440 WHEATLANDS CT #2, SANTEE, CA 92071-2831
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2002-HUPFP-113590
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-113590
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 4093904
Return To Compliance Date: 2015-02-25T00:00:00.000
Nov: Not reported

FUTURE MACHINE (Continued) **S121626196**

Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-02-10T00:52:52.000
Inspection Date: 2015-02-25T00:00:00.000
Violation Code: 1010003 Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page; 19 CCR 4 2729.2(a)(1).

Waste and Materials:
Record ID: DEH2002-HUPFP-113590
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0043425
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-07T02:33:50.000
Chemical Name: Waste oily water
Common Name: Waste Oily Water
Case Number: Not reported

Record ID: DEH2002-HUPFP-113590
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115236
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-02-10T00:52:52.000
Chemical Name: Waste oily water
Common Name: Waste Oily Water
Case Number: Not reported

CERS HAZ WASTE:
Name: FUTURE MACHINE
Address: 9440 WHEATLANDS CT #2
City,State,Zip: SANTEE, CA 92071
Site ID: 118392
CERS ID: 10376878
CERS Description: Hazardous Waste Generator

NPDES:
Name: FUTURE MACHINE
Address: 9440 WHEATLANDS COURT
City,State,Zip: SANTEE, CA
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 9 37NNA000513
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported

FUTURE MACHINE (Continued) **S121626196**

Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	NONA Submitted
Status Date:	03/05/2020
Operator Name:	Future Machine
Operator Address:	9440 Wheatlands Court
Operator City:	Santee
Operator State:	California
Operator Zip:	92071

CIWQS:

Name:	CALIFORNIA STONE WORKS
Address:	9440 WHEATLANDS COURT STE 14
City,State,Zip:	SANTEE, CA 92071
Agency:	Rick Sullivan
Agency Address:	9440 Wheatlands Court Ste 14, Santee, CA 92071
Place/Project Type:	Industrial - Fabricated Structural Metal
SIC/NAICS:	3441
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I021052
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	08/07/2007
Termination Date:	10/07/2010
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.84713
Longitude:	-116.96166

CERS:

Name:	FUTURE MACHINE
Address:	9440 WHEATLANDS CT #2
City,State,Zip:	SANTEE, CA 92071
Site ID:	118392
CERS ID:	10376878
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-31-2017
Violations Found:	No
Eval Type:	Routine done by local agency

FUTURE MACHINE (Continued) **S121626196**

Eval Notes: Inspector: Kieu Bridget Inspection ID:5613477
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-08-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6866687
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-25-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4093904
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-20-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6101865
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Stephen Jaynes
Entity Title: Not reported
Affiliation Address: 9440 WHEATLANDS CT #2
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (619) 596-6970,

Affiliation Type Desc: Operator
Entity Name: Stephen Jaynes
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 596-6970,

Affiliation Type Desc: Parent Corporation
Entity Name: FUTURE MACHINE
Entity Title: Not reported
Affiliation Address: Not reported

FUTURE MACHINE (Continued) **S121626196**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Stephen Jaynes
Entity Title:	Not reported
Affiliation Address:	9440 Wheatlands Ct #2
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	9440 WHEATLANDS CT #2
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071-2831
Affiliation Phone:	,

H45 **S&J BUILDERS & RESTORATION SERVICES INC** **RCRA NonGen / NLR** **1024819143**
SW **10815 WHEATLANDS AVE STE J** **CAL000328326**
< 1/8 **SANTEE, CA 92071**
0.088 mi.
464 ft. **Site 1 of 11 in cluster H**

Relative: **Higher**

Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:	20071231
Handler Name:	S&J BUILDERS & RESTORATION SERVICES INC
Handler Address:	10815 WHEATLANDS AVE STE J
Handler City,State,Zip:	SANTEE, CA 92071-2872
EPA ID:	CAL000328326
Contact Name:	SEAN WILSON
Contact Address:	10815 WHEATLANDS AVE STE J
Contact City,State,Zip:	SANTEE, CA 92071
Contact Telephone:	619-449-2014
Contact Fax:	619-449-0887
Contact Email:	SWILSON@SANDJBUILD.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported

S&J BUILDERS & RESTORATION SERVICES INC (Continued) **1024819143**

Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10815 WHEATLANDS AVE STE J
Mailing City,State,Zip:		SANTEE, CA 92071-2872
Owner Name:	S&J BUILDERS & RESTORATION SRVC INC	
Owner Type:		Other
Operator Name:	SEAN WILSON	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No

S&J BUILDERS & RESTORATION SERVICES INC (Continued) **1024819143**

Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	S&J BUILDERS & RESTORATION SRVC INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10815 WHEATLANDS AVE STE J
Owner/Operator City,State,Zip:	SANTEE, CA 92071-2872
Owner/Operator Telephone:	619-448-2014
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SEAN WILSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10815 WHEATLANDS AVE STE J
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-449-2014
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20071231
Handler Name:	S&J BUILDERS & RESTORATION SERVICES INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	23321
NAICS Description:	SINGLE FAMILY HOUSING CONSTRUCTION

S&J BUILDERS & RESTORATION SERVICES INC (Continued) **1024819143**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H46 **ALUMI CRAFT INC** **RCRA NonGen / NLR** **1024815494**
SW **10815 WHEATLANDS AVE STE I** **CAL000313817**
< 1/8 **SANTEE, CA 92071**
0.088 mi.
464 ft. **Site 2 of 11 in cluster H**

Relative: **Higher**
Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:		20210618
Handler Name:	ALUMI CRAFT INC	
Handler Address:		10815 WHEATLANDS AVE STE I
Handler City,State,Zip:		SANTEE, CA 92071-2872
EPA ID:		CAL000313817
Contact Name:		GRINDLE COOLEY
Contact Address:		10815 WHEATLANDS AVE STE I
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-596-9841
Contact Fax:		Not reported
Contact Email:		ALUMICRAFT1996@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10815 WHEATLANDS AVE STE I
Mailing City,State,Zip:		SANTEE, CA 92071-2872
Owner Name:	ALUMI CRAFT INC	
Owner Type:		Other
Operator Name:	GRINDLE COOLEY	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

ALUMI CRAFT INC (Continued) **1024815494**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210621
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALUMI CRAFT INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10815 WHEATLANDS AVE STE I
Owner/Operator City,State,Zip:	SANTEE, CA 92071-2872
Owner/Operator Telephone:	619-596-9841
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: GRINDLE COOLEY	
Legal Status:	Other

ALUMI CRAFT INC (Continued) **1024815494**

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 10815 WHEATLANDS AVE STE I
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-596-9841
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ALUMI CRAFT INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 10815 WHEATLANDS AVE STE I
Owner/Operator City,State,Zip: SANTEE, CA 92071-2872
Owner/Operator Telephone: 619-596-9841
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GRINDLE COOLEY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 10815 WHEATLANDS AVE STE I
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-596-9841
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210618
Handler Name: ALUMI CRAFT INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20061128
Handler Name: ALUMI CRAFT INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

ALUMI CRAFT INC (Continued) **1024815494**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H47 **ALUMICRAFT LLC** **RCRA NonGen / NLR** **1026828283**
SW **10815 WHEATLANDS AVE STE I** **CAL000463276**
< 1/8 **SANTEE, CA 92071**
0.088 mi.
464 ft. **Site 3 of 11 in cluster H**

Relative: **Higher**
Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:		20210608
Handler Name:	ALUMICRAFT LLC	
Handler Address:		10815 WHEATLANDS AVE STE I
Handler City,State,Zip:		SANTEE, CA 92071-2872
EPA ID:		CAL000463276
Contact Name:		MATT MAJOR
Contact Address:		10815 WHEATLANDS AVE STE I
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-772-2441
Contact Fax:		Not reported
Contact Email:		ALUMICRAFTINFO@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		31805 TEMCULA PKWY #211
Mailing City,State,Zip:		TEMECULA, CA 92592
Owner Name:	ALUMICRAFT INC	
Owner Type:		Other
Operator Name:	MATT MAJOR	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No

ALUMICRAFT LLC (Continued) **1026828283**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210618
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MATT MAJOR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10815 WHEATLANDS AVE STE I
Owner/Operator City,State,Zip:	SANTEE, CA 92071

ALUMICRAFT LLC (Continued) **1026828283**

Owner/Operator Telephone: 619-772-2441
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ALUMICRAFT INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 31805 TEMECULA PKWY #211
Owner/Operator City,State,Zip: TEMECULA, CA 92592
Owner/Operator Telephone: 760-822-1358
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210608
Handler Name: ALUMICRAFT LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 336999
NAICS Description: ALL OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H48 **ALUMICRAFT LLC** **San Diego Co. HMMD** **S106072170**
SW **10815 WHEATLANDS AVE STE I** **CERS HAZ WASTE** **N/A**
< 1/8 **SANTEE, CA 92071** **NPDES**
0.088 mi. **CERS**
464 ft. **Site 4 of 11 in cluster H** **HWTS**

Relative: Higher
Actual: 356 ft.

HMMD SAN DIEGO:
Name: ALUMICRAFT LLC
Address: 10815 WHEATLANDS AVE I
City,State,Zip: SANTEE, CA 92071
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000463276
APN: Not reported

ALUMICRAFT LLC (Continued) **S106072170**

Last HMMD Inspection:	Not reported
Facility Telephone:	7603170963
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	05/04/2022
Facility Owner:	Not reported
Facility Mailing Address:	31805 Temecula Parkway #211, Temecula, CA 92592
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2003-HUPFP-202231
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4087300
Return To Compliance Date:	2015-03-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2015-02-13T00:00:00.000
Violation Code:	1010008 Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. For facilities with invenntory that exceed EPCRA thresholds; failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages HSC 6.95 25508.2 / 19 CCR 4 2729.5(c)

Record ID:	DEH2003-HUPFP-202231
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5607029
Return To Compliance Date:	2016-12-27T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2016-12-13T17:31:00.000
Violation Code:	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

Record ID:	DEH2003-HUPFP-202231

ALUMICRAFT LLC (Continued) **S106072170**

Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6064209
Return To Compliance Date:	2019-02-20T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2019-01-08T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID:	DEH2003-HUPFP-202231
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Waste Generator
Inspection Type:	Initial Inspection
Inspection Number:	6745978
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2022-02-01T00:00:00.000
Violation Code:	HMD0000 HAZARDOUS WASTE REQUIREMENTS FOR SQGS AND LQGS

Record ID:	DEH2003-HUPFP-202231
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5607029
Return To Compliance Date:	2016-12-27T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2016-12-13T17:31:00.000
Violation Code:	3010002 Failed to obtain and/or maintain an active EPA ID. 22 CCR 66262.12

Record ID:	DEH2003-HUPFP-202231
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Initial Inspection

ALUMICRAFT LLC (Continued) **S106072170**

Inspection Number:	6745978
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2022-02-01T00:00:00.000
Violation Code:	HMD0000 HAZARDOUS MATERIALS REQUIREMENTS

Record ID:	DEH2003-HUPFP-202231
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4087300
Return To Compliance Date:	2015-03-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2015-02-13T00:00:00.000
Violation Code:	1010002 Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet; HSC 6.95 25508(a)1A

Record ID:	DEH2003-HUPFP-202231
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Initial Inspection
Inspection Number:	6745978
Return To Compliance Date:	2022-03-18T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2022-02-01T00:00:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)

Record ID:	DEH2003-HUPFP-202231
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4087300
Return To Compliance Date:	2015-03-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported

ALUMICRAFT LLC (Continued) **S106072170**

Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2015-02-13T00:00:00.000
Violation Code:	1010003 Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page; 19 CCR 4 2729.2(a)(1).
Record ID:	DEH2003-HUPFP-202231
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6064209
Return To Compliance Date:	2019-01-08T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2019-01-08T00:00:00.000
Violation Code:	3010010 Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)
Record ID:	DEH2003-HUPFP-202231
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Waste Generator
Inspection Type:	Initial Inspection
Inspection Number:	6745978
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2022-02-01T00:00:00.000
Violation Code:	HMD0001 RECORD KEEPING/OPERATIONAL REQUIREMENTS
Record ID:	DEH2003-HUPFP-202231
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202231
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Initial Inspection
Inspection Number:	6745978
Return To Compliance Date:	2022-03-04T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-04T01:17:48.000
Inspection Date:	2022-02-01T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or

ALUMICRAFT LLC (Continued) **S106072170**

employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-202231
Program Element: Hazardous Waste Generator
Inspection Type: Initial Inspection
Inspection Number: 6745978
Return To Compliance Date: 2022-02-07T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-04T01:17:48.000
Inspection Date: 2022-02-01T00:00:00.000
Violation Code: 3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)

Waste and Materials:
Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104355
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T00:31:39.000
Chemical Name: WASTE 213 HYDROCARBON SOLVENTS
Common Name: ZEP PETROLEUM SOLVENT
Case Number: Not reported

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0326926
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-04T01:17:48.000
Chemical Name: Oxygen
Common Name: Oxygen Gas
Case Number: 7782-44-7

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205062
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-28T02:33:43.000
Chemical Name: Oxygen
Common Name: Oxygen Gas
Case Number: 7782-44-7

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y

ALUMICRAFT LLC (Continued) **S106072170**

Child Record Id: DEH2019-HWAST-0177053
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-28T02:33:43.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177054
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-28T02:33:43.000
Chemical Name: Stoddard Solvent
Common Name: Solvent Waste
Case Number: Not reported

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0285578
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-31T02:30:47.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0285579
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-31T02:30:47.000
Chemical Name: Stoddard Solvent
Common Name: Solvent Waste
Case Number: Not reported

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0326924
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-04T01:17:48.000
Chemical Name: Gasoline, C5-11, high-octane stabilized reformed
Common Name: High octane stabilized reformed C5-11-gasoline
Case Number: 93572-29-3

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0326925
Trade Secret: N

ALUMICRAFT LLC (Continued) **S106072170**

Hazardous Material Type: Pure
Last Updated: 2022-05-04T01:17:48.000
Chemical Name: Argon Compressed
Common Name: Argon Compressed
Case Number: 7440-37-1

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0293798
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-04T01:17:48.000
Chemical Name: Ethylene Glycol
Common Name: Ethylene Glycol
Case Number: Not reported

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0293799
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-04T01:17:48.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0293800
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-04T01:17:48.000
Chemical Name: Stoddard Solvent
Common Name: Stoddard Solvent
Case Number: Not reported

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0318603
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-03-31T02:30:47.000
Chemical Name: Argon Compressed
Common Name: Argon Compressed
Case Number: 7440-37-1

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0318604
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-03-31T02:30:47.000

ALUMICRAFT LLC (Continued) **S106072170**

Chemical Name: Oxygen
Common Name: Oxygen Gas
Case Number: 7782-44-7

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125540
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T00:31:39.000
Chemical Name: ARGON/CARBON DIOXIDE MIG MIX/STEEL MIX
Common Name: ARGON/CARBON DIOXIDE MIG MIX/STEEL MIX
Case Number: Not reported

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125541
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T00:31:39.000
Chemical Name: Argon Compressed
Common Name: Argon Compressed
Case Number: 7440-37-1

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104354
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T00:31:39.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2003-HUPFP-202231
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205061
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-28T02:33:43.000
Chemical Name: Argon Compressed
Common Name: Argon Compressed
Case Number: 7440-37-1

Name: ALUMI CRAFT INC
Address: 10815 WHEATLANDS AV
City,State,Zip: SANTEE, CA 92071
Permit Number: 202231
Business Type: 6HK35
EPA Id Number: CAL000313817
APN: 381-540-36-17
Last HMMD Inspection: 06/10/2011

ALUMICRAFT LLC (Continued) **S106072170**

Facility Telephone: 619-596-9841
Permit Status: OPEN
Permit Expiration: 01/31/2013
Date Last Updated: 11/02/2012
Facility Owner: ALUMI CRAFT INC
Facility Mailing Address: 10815 WHEATLANDS AVE #I
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 202231
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON/CARBON DIOXIDE MIG MIX/STEEL MIX
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 202231
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: ZEP PETROLEUM SOLVENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 202231
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 07/21/2008
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 07/21/2008

ALUMICRAFT LLC (Continued) **S106072170**

Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	06/10/2011
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	06/10/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	06/10/2011
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	08/08/2003
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	08/08/2003
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	08/08/2003
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732

ALUMICRAFT LLC (Continued) **S106072170**

Activity: ACTIVE

Name: ALUMI CRAFT INC
Address: 10815 WHEATLANDS AV
City,State,Zip: SANTEE, CA 92071
Permit Number: 202231
Business Type: 6HK35
EPA Id Number: CAL000313817
APN: 381-540-36-17
Last HMMD Inspection: 06/10/2011
Facility Telephone: 619-596-9841
Permit Status: OPEN
Permit Expiration: 01/31/2013
Date Last Updated: 11/02/2012
Facility Owner: ALUMI CRAFT INC
Facility Mailing Address: 10815 WHEATLANDS AVE #I
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 202231
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON/CARBON DIOXIDE MIG MIX/STEEL MIX
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 202231
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: ZEP PETROLEUM SOLVENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 202231
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

ALUMICRAFT LLC (Continued) **S106072170**

Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	07/21/2008
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	07/21/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	06/10/2011
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	06/10/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	06/10/2011
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	08/08/2003
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Permit Number:	202231
Update Date:	11/02/2012
Inspection Date:	08/08/2003
Violation Code:	6HV1002

ALUMICRAFT LLC (Continued) **S106072170**

Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 08/08/2003
Violation Code: 6HV1011
Violation: TRAINING RECORDS NOT AVAILABLE
Violation Citation: Personnel training records not available. 19 CCR 2732
Activity: ACTIVE

Name: ALUMI CRAFT INC
Address: 10815 WHEATLANDS AV
City,State,Zip: SANTEE, CA 92071
Permit Number: 202231
Business Type: 6HK35
EPA Id Number: CAL000313817
APN: 381-540-36-17
Last HMMD Inspection: 06/10/2011
Facility Telephone: 619-596-9841
Permit Status: OPEN
Permit Expiration: 01/31/2013
Date Last Updated: 11/02/2012
Facility Owner: ALUMI CRAFT INC
Facility Mailing Address: 10815 WHEATLANDS AVE #I
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 202231
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON/CARBON DIOXIDE MIG MIX/STEEL MIX
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 202231
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: ZEP PETROLEUM SOLVENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

ALUMICRAFT LLC (Continued) **S106072170**

Permit Number: 202231
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 07/21/2008
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector's review. 25505(e)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 07/21/2008
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 06/10/2011
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 06/10/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 06/10/2011
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 08/08/2003

ALUMICRAFT LLC (Continued) **S106072170**

Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 08/08/2003
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 08/08/2003
Violation Code: 6HV1011
Violation: TRAINING RECORDS NOT AVAILABLE
Violation Citation: Personnel training records not available. 19 CCR 2732
Activity: ACTIVE

Name: ALUMI CRAFT INC
Address: 10815 WHEATLANDS AV
City,State,Zip: SANTEE, CA 92071
Permit Number: 202231
Business Type: 6HK35
EPA Id Number: CAL000313817
APN: 381-540-36-17
Last HMMD Inspection: 06/10/2011
Facility Telephone: 619-596-9841
Permit Status: OPEN
Permit Expiration: 01/31/2013
Date Last Updated: 11/02/2012
Facility Owner: ALUMI CRAFT INC
Facility Mailing Address: 10815 WHEATLANDS AVE #I
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 202231
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON/CARBON DIOXIDE MIG MIX/STEEL MIX
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

ALUMICRAFT LLC (Continued) **S106072170**

Permit Number: 202231
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: ZEP PETROLEUM SOLVENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 202231
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 07/21/2008
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector's review. 25505(e)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 07/21/2008
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 06/10/2011
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 06/10/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 06/10/2011

ALUMICRAFT LLC (Continued) **S106072170**

Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 08/08/2003
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 08/08/2003
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 202231
Update Date: 11/02/2012
Inspection Date: 08/08/2003
Violation Code: 6HV1011
Violation: TRAINING RECORDS NOT AVAILABLE
Violation Citation: Personnel training records not available. 19 CCR 2732
Activity: ACTIVE

CERS HAZ WASTE:
Name: ALUMICRAFT LLC
Address: 10815 WHEATLANDS AVE STE I
City,State,Zip: SANTEE, CA 92071
Site ID: 91374
CERS ID: 10377040
CERS Description: Hazardous Waste Generator

NPDES:
Name: ALUMI CRAFT
Address: 10815 WHEATLANDS AVE
City,State,Zip: SANTEE, CA 92071
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 9 37IN606943
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported

ALUMICRAFT LLC (Continued) **S106072170**

Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	No Action Required
Status Date:	09/09/2021
Operator Name:	Alumi Craft
Operator Address:	10815 Wheatlands Ave
Operator City:	Santee
Operator State:	California
Operator Zip:	92071

CERS:

Name:	ALUMICRAFT LLC
Address:	10815 WHEATLANDS AVE STE I
City,State,Zip:	SANTEE, CA 92071
Site ID:	91374
CERS ID:	10377040
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	91374
Site Name:	Alumicraft LLC
Violation Date:	12-13-2016
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 12/27/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	91374
Site Name:	Alumicraft LLC
Violation Date:	02-01-2022
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Inspection Sequence ID:6745978
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	91374
Site Name:	Alumicraft LLC
Violation Date:	01-08-2019
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in

ALUMICRAFT LLC (Continued) **S106072170**

	safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 02/20/2019. Inspection Sequence ID:6064209
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	91374
Site Name:	Alumicraft LLC
Violation Date:	01-08-2019
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 01/08/2019. Inspection Sequence ID:6064209
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	91374
Site Name:	Alumicraft LLC
Violation Date:	02-01-2022
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Inspection Sequence ID:6745978
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	91374
Site Name:	Alumicraft LLC
Violation Date:	02-13-2015
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/06/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	91374
Site Name:	Alumicraft LLC
Violation Date:	02-13-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 03/06/2015.

ALUMICRAFT LLC (Continued) **S106072170**

Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 91374
Site Name: Alumicraft LLC
Violation Date: 02-13-2015
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 03/06/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 91374
Site Name: Alumicraft LLC
Violation Date: 02-01-2022
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Inspection Sequence ID:6745978
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 91374
Site Name: Alumicraft LLC
Violation Date: 12-13-2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/27/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6064209
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-01-2022
Violations Found: Yes

ALUMICRAFT LLC (Continued) **S106072170**

Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6745978
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-01-2022
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6745978
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-13-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Santos Steven Inspection ID:4087300
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5607029
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-08-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6064209
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Santos Steven Inspection ID:4087300
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5607029
Eval Division:	San Diego County Department of Env Health

ALUMICRAFT LLC (Continued) **S106072170**

Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Document Preparer
Entity Name: Andrew Deremer
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 10815 Wheatlands Ave Ste I
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Tristan Fleming
Entity Title: Not reported
Affiliation Address: 31805 Temecula Parkway #211
Affiliation City: Temecula
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92592
Affiliation Phone: (760) 317-0963,

Affiliation Type Desc: Parent Corporation
Entity Name: Alumicraft LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Matt Fleming
Entity Title: Not reported

ALUMICRAFT LLC (Continued) **S106072170**

Affiliation Address:	10815 Wheatlands Ave Ste I
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Tristan Fleming
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 317-0963,

HWTS:

Name:	ALUMICRAFT LLC
Address:	10815 WHEATLANDS AVE STE I
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000463277
Inactive Date:	06/30/2021
Create Date:	06/08/2021
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	31805 TEMCULA PKWY #211
Mailing Address 2:	Not reported
Mailing City,State,Zip:	TEMECULA, CA 92592
Owner Name:	ALUMICRAFT INC
Owner Address:	31805 TEMECULA PKWY #211
Owner Address 2:	Not reported
Owner City,State,Zip:	TEMECULA, CA 92592
Contact Name:	MATT MAJOR
Contact Address:	10815 WHEATLANDS AVE STE I
Contact Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.8464
Longitude:	-116.96169

NAICS:

EPA ID:	CAL000463277
Create Date:	2021-06-08 13:13:02.487
NAICS Code:	336999
NAICS Description:	All Other Transportation Equipment Manufacturing
Issued EPA ID Date:	2021-06-08 13:13:02.47700
Inactive Date:	Not reported
Facility Name:	ALUMICRAFT LLC
Facility Address:	10815 WHEATLANDS AVE STE I
Facility Address 2:	Not reported
Facility City:	SANTEE
Facility County:	Not reported

ALUMICRAFT LLC (Continued) **S106072170**

Facility State: CA
Facility Zip: 920712872

Name: ALUMICRAFT LLC
Address: 10815 WHEATLANDS AVE STE I
Address 2: Not reported
City,State,Zip: SANTEE, CA 92071
EPA ID: CAL000463278
Inactive Date: 06/30/2021
Create Date: 06/08/2021
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 31805 TEMCULA PKWY #211
Mailing Address 2: Not reported
Mailing City,State,Zip: TEMECULA, CA 92592
Owner Name: ALUMICRAFT INC
Owner Address: 31805 TEMECULA PKWY #211
Owner Address 2: Not reported
Owner City,State,Zip: TEMECULA, CA 92592
Contact Name: MATT MAJOR
Contact Address: 10815 WHEATLANDS AVE STE I
Contact Address 2: Not reported
City,State,Zip: SANTEE, CA 92071
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 32.8464
Longitude: -116.96169

NAICS:
EPA ID: CAL000463278
Create Date: 2021-06-08 13:13:18.383
NAICS Code: 336999
NAICS Description: All Other Transportation Equipment Manufacturing
Issued EPA ID Date: 2021-06-08 13:13:18.38300
Inactive Date: Not reported
Facility Name: ALUMICRAFT LLC
Facility Address: 10815 WHEATLANDS AVE STE I
Facility Address 2: Not reported
Facility City: SANTEE
Facility County: Not reported
Facility State: CA
Facility Zip: 920712872

Name: ALUMICRAFT LLC
Address: 10815 WHEATLANDS AVE STE I
Address 2: Not reported
City,State,Zip: SANTEE, CA 92071
EPA ID: CAL000463276
Inactive Date: Not reported
Create Date: 06/08/2021
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 31805 TEMCULA PKWY #211
Mailing Address 2: Not reported
Mailing City,State,Zip: TEMECULA, CA 92592

ALUMICRAFT LLC (Continued) **S106072170**

Owner Name:	ALUMICRAFT INC
Owner Address:	31805 TEMECULA PKWY #211
Owner Address 2:	Not reported
Owner City,State,Zip:	TEMECULA, CA 92592
Contact Name:	TRISTAN FLEMING
Contact Address:	10815 WHEATLANDS AVENUE SUITE I
Contact Address 2:	Not reported
City,State,Zip:	TEMECULA, CA 925950000
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.8464
Longitude:	-116.96169

NAICS:

EPA ID:	CAL000463276
Create Date:	2021-06-08 13:12:55.660
NAICS Code:	336999
NAICS Description:	All Other Transportation Equipment Manufacturing
Issued EPA ID Date:	2021-06-08 13:12:55.65300
Inactive Date:	Not reported
Facility Name:	ALUMICRAFT LLC
Facility Address:	10815 WHEATLANDS AVE STE I
Facility Address 2:	Not reported
Facility City:	SANTEE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920712872

H49 **ALUMICRAFT LLC** **RCRA NonGen / NLR** **1026828285**
SW **10815 WHEATLANDS AVE STE I** **CAL000463278**
< 1/8 **SANTEE, CA 92071**
0.088 mi.
464 ft. **Site 5 of 11 in cluster H**

Relative:
Higher

Actual:
356 ft.

RCRA Listings:

Date Form Received by Agency:		20210608
Handler Name:	ALUMICRAFT LLC	
Handler Address:		10815 WHEATLANDS AVE STE I
Handler City,State,Zip:		SANTEE, CA 92071-2872
EPA ID:		CAL000463278
Contact Name:		MATT MAJOR
Contact Address:		10815 WHEATLANDS AVE STE I
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-772-2441
Contact Fax:		Not reported
Contact Email:		ALUMICRAFTINFO@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported

ALUMICRAFT LLC (Continued) **1026828285**

Mailing Address:		31805 TEMCULA PKWY #211
Mailing City,State,Zip:		TEMECULA, CA 92592
Owner Name:	ALUMICRAFT INC	
Owner Type:		Other
Operator Name:	MATT MAJOR	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20210618
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No

ALUMICRAFT LLC (Continued) **1026828285**

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: MATT MAJOR
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 10815 WHEATLANDS AVE STE I
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-772-2441
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ALUMICRAFT INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 31805 TEMECULA PKWY #211
Owner/Operator City,State,Zip: TEMECULA, CA 92592
Owner/Operator Telephone: 760-822-1358
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210608
Handler Name: ALUMICRAFT LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 336999
NAICS Description: ALL OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H50 **ALUMICRAFT LLC** **RCRA NonGen / NLR** **1026828284**
SW **10815 WHEATLANDS AVE STE I** **CAL000463277**
< 1/8 **SANTEE, CA 92071**
0.088 mi.
464 ft. **Site 6 of 11 in cluster H**

Relative:
Higher

Actual:
356 ft.

RCRA Listings:

Date Form Received by Agency:		20210608
Handler Name:	ALUMICRAFT LLC	
Handler Address:		10815 WHEATLANDS AVE STE I
Handler City,State,Zip:		SANTEE, CA 92071-2872
EPA ID:		CAL000463277
Contact Name:		MATT MAJOR
Contact Address:		10815 WHEATLANDS AVE STE I
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-772-2441
Contact Fax:		Not reported
Contact Email:		ALUMICRAFTINFO@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		31805 TEMCULA PKWY #211
Mailing City,State,Zip:		TEMECULA, CA 92592
Owner Name:	ALUMICRAFT INC	
Owner Type:		Other
Operator Name:	MATT MAJOR	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

ALUMICRAFT LLC (Continued) **1026828284**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210618
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALUMICRAFT INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	31805 TEMECULA PKWY #211
Owner/Operator City,State,Zip:	TEMECULA, CA 92592
Owner/Operator Telephone:	760-822-1358
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MATT MAJOR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10815 WHEATLANDS AVE STE I
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-772-2441
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ALUMICRAFT LLC (Continued) **1026828284**

Historic Generators:
Receive Date: 20210608
Handler Name: ALUMICRAFT LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 336999
NAICS Description: ALL OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I51 **SANTEE COLLISION CENTER** **RCRA NonGen / NLR** **1024818267**
SSW **9356 WHEATLANDS RD** **CAL000325001**
< 1/8 **SANTEE, CA 92071**
0.096 mi.
507 ft. **Site 1 of 5 in cluster I**

Relative:
Higher

Actual:
360 ft.

RCRA Listings:
Date Form Received by Agency: 20070918
Handler Name: SANTEE COLLISION CENTER
Handler Address: 9356 WHEATLANDS RD
Handler City,State,Zip: SANTEE, CA 92071
EPA ID: CAL000325001
Contact Name: CANDICE MEANS
Contact Address: 9356 WHEATLANDS RD STE A
Contact City,State,Zip: SANTEE, CA 92071
Contact Telephone: 619-596-5822
Contact Fax: 619-596-5844
Contact Email: SANTEECOLLISION@SBCGLOBAL.NET
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 9356 WHEATLANDS RD STE A
Mailing City,State,Zip: SANTEE, CA 92071-0000
Owner Name: CANDICE MEANS

SANTEE COLLISION CENTER (Continued) **1024818267**

Owner Type:		Other
Operator Name:	CANDICE MEANS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20180905
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

SANTEE COLLISION CENTER (Continued) **1024818267**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CANDICE MEANS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9356 WHEATLANDS RD STE A
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-596-5822
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CANDICE MEANS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 8145 AEDAN CT
Owner/Operator City,State,Zip: SAN DIEGO, CA 92120-0000
Owner/Operator Telephone: 619-518-7878
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20070918
Handler Name: SANTEE COLLISION CENTER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811118
NAICS Description: OTHER AUTOMOTIVE MECHANICAL AND ELECTRICAL REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I52 **SANTEE COLLISION CENTER INC** **San Diego Co. HMMD** **S106063881**
SSW **9356 WHEATLANDS RD** **CERS HAZ WASTE** **N/A**
< 1/8 **SANTEE, CA 92071** **CERS**
0.096 mi.
507 ft. **Site 2 of 5 in cluster I**

Relative:
Higher

Actual:
360 ft.

HMMD SAN DIEGO:

Name:	WEST COAST FURNITURE
Address:	9356 WHEATLANDS RD
City,State,Zip:	SANTEE, CA 92071
Permit Number:	133442
Business Type:	6HK70
EPA Id Number:	Not reported
APN:	381-540-23-00
Last HMMD Inspection:	10/02/1992
Facility Telephone:	619-448-9311
Permit Status:	INAC
Permit Expiration:	11/30/1992
Date Last Updated:	11/02/2012
Facility Owner:	BILL MINTEER
Facility Mailing Address:	9356 WHEATLANDS RD #B
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	SANTEE COLLISION CENTER INC
Address:	9356 WHEATLANDS RD
City,State,Zip:	SANTEE, CA 92071
Permit Number:	208313
Business Type:	6HK27
EPA Id Number:	CAL000325001
APN:	381-540-23-00
Last HMMD Inspection:	04/04/2011
Facility Telephone:	619-596-5822
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	SANTEE COLLISION CENTER INC
Facility Mailing Address:	9356 WHEATLANDS RD
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	208313
Update Date:	11/02/2012

SANTEE COLLISION CENTER INC (Continued) **S106063881**

Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 208313
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208313
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208313
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208313
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: WASTE PAINT & RELATED MATERIALS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 208313
Update Date: 11/02/2012
Inspection Date: 09/04/2007
Violation Code: 6HV0234
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: ACTIVE

Permit Number: 208313
Update Date: 11/02/2012
Inspection Date: 09/04/2007
Violation Code: 6HV0408

SANTEE COLLISION CENTER INC (Continued) **S106063881**

Violation:	FAILED TO POST ER PLAN BY PHONE
Violation Citation:	Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)
Activity:	ACTIVE
Permit Number:	208313
Update Date:	11/02/2012
Inspection Date:	04/04/2011
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE
Permit Number:	208313
Update Date:	11/02/2012
Inspection Date:	04/04/2011
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Name:	SANTEE COLLISION CENTER INC
Address:	9356 WHEATLANDS RD
City,State,Zip:	SANTEE, CA 92071
Permit Number:	208313
Business Type:	6HK27
EPA Id Number:	CAL000325001
APN:	381-540-23-00
Last HMMD Inspection:	04/04/2011
Facility Telephone:	619-596-5822
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	SANTEE COLLISION CENTER INC
Facility Mailing Address:	9356 WHEATLANDS RD
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	208313
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

SANTEE COLLISION CENTER INC (Continued) **S106063881**

Permit Number: 208313
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208313
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208313
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208313
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: WASTE PAINT & RELATED MATERIALS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 208313
Update Date: 11/02/2012
Inspection Date: 09/04/2007
Violation Code: 6HV0234
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: ACTIVE

Permit Number: 208313
Update Date: 11/02/2012
Inspection Date: 09/04/2007
Violation Code: 6HV0408
Violation: FAILED TO POST ER PLAN BY PHONE
Violation Citation: Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)
Activity: ACTIVE

Permit Number: 208313
Update Date: 11/02/2012

SANTEE COLLISION CENTER INC (Continued) **S106063881**

Inspection Date: 04/04/2011
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Permit Number: 208313
Update Date: 11/02/2012
Inspection Date: 04/04/2011
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

CERS HAZ WASTE:
Name: SANTEE COLLISION CENTER INC
Address: 9356 WHEATLANDS RD STE A
City,State,Zip: SANTEE, CA 92071
Site ID: 401458
CERS ID: 10377190
CERS Description: Hazardous Waste Generator

CERS:
Name: SANTEE COLLISION CENTER INC
Address: 9356 WHEATLANDS RD STE A
City,State,Zip: SANTEE, CA 92071
Site ID: 401458
CERS ID: 10377190
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 401458
Site Name: SANTEE COLLISION CENTER INC
Violation Date: 04-30-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 04/30/2014. Inspection Sequence ID:4098460
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 401458
Site Name: SANTEE COLLISION CENTER INC
Violation Date: 04-30-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 04/30/2014. Inspection Sequence ID:4098460;Violation:HMD0131 No Unified Program Facility (UPF) permit

SANTEE COLLISION CENTER INC (Continued) **S106063881**

not obtained for the generation of hazardous waste. SDCC 68.905.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 401458
Site Name: SANTEE COLLISION CENTER INC
Violation Date: 04-30-2014
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description: Failure to review, revise, and recertify the business plan at least once every three years.
Violation Notes: Returned to compliance on 04/30/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 401458
Site Name: SANTEE COLLISION CENTER INC
Violation Date: 01-29-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 01/29/2020. Inspection Sequence ID:6334242
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 401458
Site Name: SANTEE COLLISION CENTER INC
Violation Date: 01-29-2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 02/18/2020. Inspection Sequence ID:6334242
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6334242
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2016
Violations Found: No

SANTEE COLLISION CENTER INC (Continued) **S106063881**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5428049
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5856211
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6334242
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Preece Sharon Inspection ID:4098460
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5856211
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5428049
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Preece Sharon Inspection ID:4098460
Eval Division: San Diego County Department of Env Health

SANTEE COLLISION CENTER INC (Continued) **S106063881**

Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Operator
Entity Name: SANTEE COLLISION CENTER INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 596-5822,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Document Preparer
Entity Name: Erick Morales
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Candice Means
Entity Title: Not reported
Affiliation Address: 9356 Wheatlands RD Suite A
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Candice Means
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: SANTEE COLLISION CENTER INC
Entity Title: Not reported

SANTEE COLLISION CENTER INC (Continued) **S106063881**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	9356 WHEATLANDS RD Suite A
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Candice Means
Entity Title:	Not reported
Affiliation Address:	9356 Wheatlands RD Suite A
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 596-5822,

J53 **CIRCLE K STORE #2959** **RCRA-SQG** **1000174096**
SSE **11007 WOODSIDE AVE** **SAN DIEGO CO. SAM** **CAD981681166**
< 1/8 **SANTEE, CA 92071** **CPS-SLIC**
0.108 mi. **San Diego Co. HMMD**
569 ft. **Site 1 of 3 in cluster J** **HIST UST**
FINDS
Relative: Higher **ECHO**
CERS

Actual: 370 ft.

RCRA Listings:

Date Form Received by Agency:		19960901
Handler Name:	CIRCLE K STORE #2959	
Handler Address:		11007 WOODSIDE AVE
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAD981681166
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA

CIRCLE K STORE #2959 (Continued) **1000174096**

State District:		4
Mailing Address:		5811 MANZANITA AVE
Mailing City,State,Zip:		CARMICHAEL, CA 95608
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20020627
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No

CIRCLE K STORE #2959 (Continued) **1000174096**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CIRCLE K CORP	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: CIRCLE K STORE #2959	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19861016
Handler Name: CIRCLE K STORE #2959	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

CIRCLE K STORE #2959 (Continued) **1000174096**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

SAN DIEGO CO. SAM:
Name: CIRCLE K #2959
Address: 11007 WOODSIDE AV
City,State,Zip: SANTEE, CA 920713255
Case Number: H20836-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 8/10/1999
Date Began: 7/22/1997

CPS-SLIC:
Name: CIRCLE K #2959
Address: 11007 WOODSIDE AV
City,State,Zip: SANTEE, CA 920713255
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 08/10/1999
Global Id: T0608102609
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H20836-001
Latitude: 32.844502
Longitude: -116.958115
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:
Name: CIRCLE K #2959
Address: 11007 WOODSIDE AV
City,State,Zip: SANTEE, CA 92071
Permit Number: 120836
Business Type: Not reported

CIRCLE K STORE #2959 (Continued) **1000174096**

EPA Id Number:	Not reported
APN:	381-086-01-00
Last HMMD Inspection:	06/01/1999
Facility Telephone:	619-448-5142
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	THE CIRCLE K CORP
Facility Mailing Address:	601 UNION ST 3920
Facility Mailing City:	SEATTLE
Facility Mailing State:	WA
Facility Mailing Zip:	98101-
UST Owner:	TIC TOC SYSTEMS INC
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 120836 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	120836
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	NONE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 120836 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	120836
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	8000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	NONE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

HIST UST:

CIRCLE K STORE #2959 (Continued) **1000174096**

Name:	CIRCLE K 2959
Address:	11007 WOODSIDE
City,State,Zip:	SANTEE, CA 92071
File Number:	0002AEDA
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AEDA.pdf
Region:	STATE
Facility ID:	00000013656
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	KEN ZIMMERMAN
Telephone:	6194489738
Owner Name:	CIRCLE K CORPORATION
Owner Address:	4500 SOUTH 40TH STREET
Owner City,St,Zip:	PHOENIX, AZ 85040
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

FINDS:
Registry ID: 110002749811

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000174096
Registry ID:	110002749811
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002749811
Name:	CIRCLE K STORE #2959

CIRCLE K STORE #2959 (Continued) **1000174096**

Address: 11007 WOODSIDE AVE
City,State,Zip: SANTEE, CA 92071

CERS:
Name: CIRCLE K #2959
Address: 11007 WOODSIDE AV
City,State,Zip: SANTEE, CA 920713255
Site ID: 258370
CERS ID: T0608102609
CERS Description: Cleanup Program Site

J54 **TOSCO MARKETING COMPANY** **EDR Hist Auto** **1021283889**
SSE **11007 WOODSIDE AVE** **N/A**
< 1/8 **SANTEE, CA 92071**
0.108 mi.
569 ft. **Site 2 of 3 in cluster J**

Relative: EDR Hist Auto
Higher

Actual: **370 ft.**

Year:	Name:	Type:
1994	CIRCLE K CORPORATION	Convenience Stores
1995	CIRCLE K CORPORATION	Convenience Stores
1996	CIRCLE K STORES INC	Convenience Stores
1997	TOSCO MARKETING COMPANY	Convenience Stores
1998	TOSCO MARKETING COMPANY	Convenience Stores
1999	TOSCO MARKETING COMPANY	Convenience Stores
2000	TOSCO MARKETING COMPANY	Convenience Stores
2001	TOSCO MARKETING COMPANY	Convenience Stores
2002	CIRCLE K STORES INC	Convenience Stores
2003	CIRCLE K STORES INC	Convenience Stores

J55 **CIRCLE K #2959** **UST** **U003939128**
SSE **11007 WOODSIDE AVE** **SWEEPS UST** **N/A**
< 1/8 **SANTEE, CA 92071** **SAN DIEGO CO LOP**
0.108 mi.
569 ft. **Site 3 of 3 in cluster J**

Relative: UST:
Higher
Name: CIRCLE K #2959
Actual: Address: 11007 WOODSIDE AVE
370 ft. City,State,Zip: SANTEE, CA 92071
Facility ID: H20836
Permitting Agency: SAN DIEGO COUNTY
CERSID: Not reported
Latitude: 32.845895
Longitude: -116.956787

SWEEPS UST:
Name: CIRCLE K #2959
Address: 11007 WOODSIDE AVE
City: SANTEE
Status: Active
Comp Number: 20836
Number: 9
Board Of Equalization: 44-022104

CIRCLE K #2959 (Continued) **U003939128**

Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020836-000001
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Name: CIRCLE K #2959
Address: 11007 WOODSIDE AVE
City: SANTEE
Status: Active
Comp Number: 20836
Number: 9
Board Of Equalization: 44-022104
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020836-000002
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

SAN DIEGO CO LOP:
Name: CIRCLE K #2959
Address: 11007 WOODSIDE AVE
City,State,Zip: SANTEE, CA 92071
Record ID: DEH1997-LSAM-H20836-001
Record Status: Completed
Opened Date: 07/22/1997
Parcel Number: 381-086-01-00
Case Type: Not reported
Historical Name: CIRCLE K #2959
SWRCB Global ID: T0608102609
Funding: N - Non-Billable
Lead Agency: DEH/SAM
Lead Agency Date: 07/23/1997
Census Tract: 167.01
Community: Santee
Jurisdiction: SANTEE
Watershed Basin Number: 907.12
Water Purveyor: PADRE DAM MUNICIPAL WATER DISTRICT
Fire Agency: PADRE DAM MUNICIPAL WATER DISTRICT
Latitude: 32.8445462
Longitude: -116.9581358
X MapCoord: 6344172.907
Y MapCoord: 1887804.055

I56 **SCANTIBODIES LABORATORY INC** **RCRA NonGen / NLR** **1024818294**
SSW **9343 WHEATLANDS RD** **CAL000325136**
< 1/8 **SANTEE, CA 92071**
0.121 mi.
640 ft. **Site 3 of 5 in cluster I**

Relative: **Higher**

Actual: **360 ft.**

RCRA Listings:

Date Form Received by Agency:	20070924
Handler Name:	SCANTIBODIES LABORATORY INC
Handler Address:	9343 WHEATLANDS RD
Handler City,State,Zip:	SANTEE, CA 92071-2860
EPA ID:	CAL000325136
Contact Name:	JULIO PADILLA
Contact Address:	9336 ABRAHAM WAY
Contact City,State,Zip:	SANTEE, CA 92071
Contact Telephone:	619-258-9300
Contact Fax:	619-258-9366
Contact Email:	EDI.BROWN@SCANTIBODIES.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	9336 ABRAHAM WAY
Mailing City,State,Zip:	SANTEE, CA 92071
Owner Name:	SCANTIBODIES LABORATORY INC
Owner Type:	Other
Operator Name:	JULIO PADILLA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

SCANTIBODIES LABORATORY INC (Continued) **1024818294**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SCANTIBODIES LABORATORY INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9336 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071-2861
Owner/Operator Telephone:	619-258-9300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JULIO PADILLA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9336 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-258-9300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SCANTIBODIES LABORATORY INC (Continued) **1024818294**

Historic Generators:
Receive Date: 20070924
Handler Name: SCANTIBODIES LABORATORY INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 325413
NAICS Description: IN-VITRO DIAGNOSTIC SUBSTANCE MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I57 **CHULA VISTA ELECTRIC CO.** **San Diego Co. HMMD** **S106072251**
SSW **9344 WHEATLANDS RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SANTEE, CA 92071** **CERS**
0.128 mi.
675 ft. **Site 4 of 5 in cluster I**

Relative: Higher

Actual: 360 ft.

HMMD SAN DIEGO:
Name: CHULA VISTA ELECTRIC CO.
Address: 9344 WHEATLANDS RD
City,State,Zip: SANTEE, CA 92071
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000398849
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-420-4500
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 10/26/2021
Facility Owner: Not reported
Facility Mailing Address: 9344 WHEATLANDS ROAD, SANTEE, CA 92071
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Inspection Violation:

Record ID:	DEH2003-HUPFP-202316
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202316
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5472546
Return To Compliance Date:	2016-08-18T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-26T00:00:00.000
Inspection Date:	2016-06-16T17:28:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

Record ID:	DEH2003-HUPFP-202316
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202316
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5927911
Return To Compliance Date:	2018-08-13T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-26T00:00:00.000
Inspection Date:	2018-06-12T08:14:00.000
Violation Code:	1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2); 25508.1(f); 19 CCR 2652(a)(3)

Record ID:	DEH2003-HUPFP-202316
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202316
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5927911
Return To Compliance Date:	2018-08-13T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-26T00:00:00.000
Inspection Date:	2018-06-12T08:14:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)

Record ID:	DEH2003-HUPFP-202316
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202316
Program Element:	Hazardous Materials Release Response Plans

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Inspection Type:	Routine
Inspection Number:	6464013
Return To Compliance Date:	2021-06-10T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-26T00:00:00.000
Inspection Date:	2021-06-10T23:43:20.000
Violation Code:	1010008 HMBP not certified as complete and accurate in CERS by the required due date. HSC 25508.2, 19 CCR 2654(b)

Record ID:	DEH2003-HUPFP-202316
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202316
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5927911
Return To Compliance Date:	2018-08-13T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-26T00:00:00.000
Inspection Date:	2018-06-12T08:14:00.000
Violation Code:	1020001 Employee training and/or plan for safety procedures in the event of a release or threatened release of a hazardous material not adequate, not established or not submitted in CERS. HSC 25505(a)(4) and 25508(a)(1)(A); 19 CCR 2659(a)

Record ID:	DEH2003-HUPFP-202316
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-202316
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5927911
Return To Compliance Date:	2018-08-13T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-26T00:00:00.000
Inspection Date:	2018-06-12T08:14:00.000
Violation Code:	3010010 Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)

Waste and Materials:

Record ID:	DEH2003-HUPFP-202316
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0113658
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-10-24T02:32:45.000

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2003-HUPFP-202316
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0113659
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-24T02:32:45.000
Chemical Name: Oxygen
Common Name: Oxygen
Case Number: 7782-44-7

Record ID: DEH2003-HUPFP-202316
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0095006
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-24T02:32:45.000
Chemical Name: AQUEOUS BASED SOLVENT
Common Name: WASTE PARTS WASHER SOLVENT
Case Number: Not reported

Record ID: DEH2003-HUPFP-202316
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193056
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-06-11T01:58:27.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2003-HUPFP-202316
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193057
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-06-11T01:58:27.000
Chemical Name: Oxygen
Common Name: Oxygen
Case Number: 7782-44-7

Record ID: DEH2003-HUPFP-202316
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193058
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-06-11T01:58:27.000
Chemical Name: Argon
Common Name: Argon-37

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Case Number: 13994-71-3

Record ID: DEH2003-HUPFP-202316
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193059
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-06-11T01:58:27.000
Chemical Name: Acetylene
Common Name: Acetylene
Case Number: 74-86-2

Record ID: DEH2003-HUPFP-202316
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193060
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-06-11T01:58:27.000
Chemical Name: Shell Diala AX Transformer oil
Common Name: Transformer oil
Case Number: Not reported

Record ID: DEH2003-HUPFP-202316
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166871
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-06-11T01:58:27.000
Chemical Name: AQUEOUS BASED SOLVENT
Common Name: WASTE PARTS WASHER SOLVENT
Case Number: Not reported

Record ID: DEH2003-HUPFP-202316
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0302087
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-26T02:36:48.000
Chemical Name: Acetylene
Common Name: Acetylene
Case Number: 74-86-2

Record ID: DEH2003-HUPFP-202316
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0302088
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-26T02:36:48.000
Chemical Name: Shell Diala AX Transformer oil
Common Name: Transformer oil
Case Number: Not reported

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Record ID:	DEH2003-HUPFP-202316
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0302089
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-10-26T02:36:48.000
Chemical Name:	Oxygen
Common Name:	Oxygen
Case Number:	7782-44-7

Record ID:	DEH2003-HUPFP-202316
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0302090
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-10-26T02:36:48.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	68476-85-7

Record ID:	DEH2003-HUPFP-202316
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0269666
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-10-26T02:36:48.000
Chemical Name:	AQUEOUS BASED SOLVENT
Common Name:	WASTE PARTS WASHER SOLVENT
Case Number:	Not reported

Name:	SUNCRAFT SHUTTER
Address:	9344 WHEATLANDS RD
City,State,Zip:	SANTEE, CA 92071
Permit Number:	202316
Business Type:	6HK72
EPA Id Number:	CAL000257536
APN:	381-540-22-00
Last HMMD Inspection:	10/19/2011
Facility Telephone:	619-258-6300
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	JEREMY BULL
Facility Mailing Address:	9344 WHEATLANDS RD #C
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):

Permit Number: 202316
Update Date: 11/02/2012
Case Number: 67-64-1
Name: OIL BASED PAINTS (BASECOATS & SHUTTER PAINTS (LAQUER)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 202316
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 202316
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 202316
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: RAGS W/PAINT THINNER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 202316
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: WASTE PAINT & RELATED MATERIALS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 09/03/2008
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Permit Number:	202316
Update Date:	11/02/2012
Inspection Date:	08/22/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	202316
Update Date:	11/02/2012
Inspection Date:	08/22/2003
Violation Code:	6HV0204
Violation:	WASTE CONTAINER:IMPROPER MGMT
Violation Citation:	Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity:	ACTIVE
Permit Number:	202316
Update Date:	11/02/2012
Inspection Date:	08/22/2003
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	202316
Update Date:	11/02/2012
Inspection Date:	08/22/2003
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	202316
Update Date:	11/02/2012
Inspection Date:	08/22/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Permit Number:	202316
Update Date:	11/02/2012
Inspection Date:	08/22/2003
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Name:	SUNCRAFT SHUTTER
Address:	9344 WHEATLANDS RD
City,State,Zip:	SANTEE, CA 92071
Permit Number:	202316
Business Type:	6HK72
EPA Id Number:	CAL000257536
APN:	381-540-22-00
Last HMMD Inspection:	10/19/2011
Facility Telephone:	619-258-6300
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	JEREMY BULL
Facility Mailing Address:	9344 WHEATLANDS RD #C
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	202316
Update Date:	11/02/2012
Case Number:	67-64-1
Name:	OIL BASED PAINTS (BASECOATS & SHUTTER PAINTS (LAQUER)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	202316
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	202316
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	PAINT BOOTH FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	202316
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	RAGS W/PAINT THINNER

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 202316
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: WASTE PAINT & RELATED MATERIALS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 09/03/2008
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV0204
Violation: WASTE CONTAINER:IMPROPER MGMT
Violation Citation: Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Name: SUNCRAFT SHUTTER
Address: 9344 WHEATLANDS RD
City,State,Zip: SANTEE, CA 92071
Permit Number: 202316
Business Type: 6HK72
EPA Id Number: CAL000257536
APN: 381-540-22-00
Last HMMD Inspection: 10/19/2011
Facility Telephone: 619-258-6300
Permit Status: OPEN
Permit Expiration: 01/31/2013
Date Last Updated: 11/02/2012
Facility Owner: JEREMY BULL
Facility Mailing Address: 9344 WHEATLANDS RD #C
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 202316
Update Date: 11/02/2012
Case Number: 67-64-1
Name: OIL BASED PAINTS (BASECOATS & SHUTTER PAINTS (LAQUER)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Permit Number: 202316
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 202316
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 202316
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: RAGS W/PAINT THINNER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 202316
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: WASTE PAINT & RELATED MATERIALS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 09/03/2008
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 202316

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Update Date:	11/02/2012
Inspection Date:	08/22/2003
Violation Code:	6HV0204
Violation:	WASTE CONTAINER:IMPROPER MGMT
Violation Citation:	Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity:	ACTIVE
Permit Number:	202316
Update Date:	11/02/2012
Inspection Date:	08/22/2003
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	202316
Update Date:	11/02/2012
Inspection Date:	08/22/2003
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	202316
Update Date:	11/02/2012
Inspection Date:	08/22/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Permit Number:	202316
Update Date:	11/02/2012
Inspection Date:	08/22/2003
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Name:	SUNCRAFT SHUTTER
Address:	9344 WHEATLANDS RD
City,State,Zip:	SANTEE, CA 92071
Permit Number:	202316
Business Type:	6HK72
EPA Id Number:	CAL000257536
APN:	381-540-22-00
Last HMMD Inspection:	10/19/2011
Facility Telephone:	619-258-6300
Permit Status:	OPEN

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	JEREMY BULL
Facility Mailing Address:	9344 WHEATLANDS RD #C
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	202316
Update Date:	11/02/2012
Case Number:	67-64-1
Name:	OIL BASED PAINTS (BASECOATS & SHUTTER PAINTS (LAQUER)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	202316
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	202316
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	PAINT BOOTH FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	202316
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	RAGS W/PAINT THINNER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	202316
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	WASTE PAINT & RELATED MATERIALS
Material Waste:	Waste

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 09/03/2008
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV0204
Violation: WASTE CONTAINER:IMPROPER MGMT
Violation Citation: Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 202316
Update Date: 11/02/2012
Inspection Date: 08/22/2003
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

CERS HAZ WASTE:
Name: CHULA VISTA ELECTRIC CO.
Address: 9344 WHEATLANDS RD
City,State,Zip: SANTEE, CA 92071
Site ID: 105456
CERS ID: 10377043
CERS Description: Hazardous Waste Generator

CERS:
Name: CHULA VISTA ELECTRIC CO.
Address: 9344 WHEATLANDS RD
City,State,Zip: SANTEE, CA 92071
Site ID: 105456
CERS ID: 10377043
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 105456
Site Name: CHULA VISTA ELECTRIC CO.
Violation Date: 06-12-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 08/13/2018. Inspection Sequence ID:5927911
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 105456
Site Name: CHULA VISTA ELECTRIC CO.
Violation Date: 06-10-2021
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 06/10/2021. Inspection Sequence ID:6464013
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Site ID: 105456
Site Name: CHULA VISTA ELECTRIC CO.
Violation Date: 06-16-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/18/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 105456
Site Name: CHULA VISTA ELECTRIC CO.
Violation Date: 06-12-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 08/13/2018. Inspection Sequence ID:5927911
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 105456
Site Name: CHULA VISTA ELECTRIC CO.
Violation Date: 06-12-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/13/2018. Inspection Sequence ID:5927911
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6464013
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6464013
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-16-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5472546
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-14-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Preece Sharon Inspection ID:4086618
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zahra Alaaeddine Inspection ID:5927911
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-16-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5472546
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-14-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Preece Sharon Inspection ID:4086618
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-14-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Preece Sharon Inspection ID:4086618
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 105456
Facility Name: CHULA VISTA ELECTRIC CO.

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Env Int Type Code: HWG
Program ID: 10377043
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.845450
Longitude: -116.961330

Affiliation:
Affiliation Type Desc: Operator
Entity Name: CHULA VISTA ELECTRIC CO.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 420-4500,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 9344 WHEATLANDS ROAD
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: ROBERT FRIAR
Entity Title: PRESIDENT
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: CHULA VISTA ELECTRIC CO.
Entity Title: Not reported
Affiliation Address: 9344 WHEATLANDS ROAD
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (619) 420-4500,

Affiliation Type Desc: Property Owner
Entity Name: RAWF LLC
Entity Title: Not reported
Affiliation Address: 2505 AVENIDA OCOTILLO
Affiliation City: ALPINE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91901
Affiliation Phone: (619) 420-4500,

CHULA VISTA ELECTRIC CO. (Continued) **S106072251**

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Parent Corporation
Entity Name:	CHULA VISTA ELECTRIC CO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	John Vickery
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ROBERT FRIAR
Entity Title:	Not reported
Affiliation Address:	9344 WHEATLANDS RD
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

I58 **CHULA VISTA ELECTRIC CO** **RCRA NonGen / NLR** **1024845633**
SSW **9344 WHEATLANDS RD** **CAL000398849**
1/8-1/4 **SANTEE, CA 92071**
0.128 mi.
675 ft. **Site 5 of 5 in cluster I**

Relative: RCRA Listings:
Higher

Actual: Date Form Received by Agency:		20140716
360 ft. Handler Name:	CHULA VISTA ELECTRIC CO	
Handler Address:		9344 WHEATLANDS RD
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAL000398849
Contact Name:		JAMES SANDSTROM
Contact Address:		9344 WHEATLANDS RD
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-420-4500
Contact Fax:		619-420-9527

CHULA VISTA ELECTRIC CO (Continued) **1024845633**

Contact Email:		JIMSAND@C-V-E.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9344 WHEATLANDS RD
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	CHULA VISTA ELECTRIC CO	
Owner Type:		Other
Operator Name:	JAMES SANDSTROM	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A

CHULA VISTA ELECTRIC CO (Continued) **1024845633**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHULA VISTA ELECTRIC CO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9344 WHEATLANDS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-420-4500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JAMES SANDSTROM	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9344 WHEATLANDS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-420-4500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140716
Handler Name: CHULA VISTA ELECTRIC CO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CHULA VISTA ELECTRIC CO (Continued) **1024845633**

List of NAICS Codes and Descriptions:
NAICS Code: 23531
NAICS Description: ELECTRICAL CONTRACTORS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H59 **JIMCO RACING INC** **CERS HAZ WASTE** **S112856159**
SW **9335 STEVENS RD** **HAZNET** **N/A**
1/8-1/4 **SANTEE, CA 92071** **CERS**
0.136 mi. **HWTS**
716 ft. **Site 7 of 11 in cluster H**

Relative:
Higher

Actual:
356 ft.

CERS HAZ WASTE:
Name: 30 RACING, INC & JIMCO RACING, INC
Address: 9335 STEVENS RD
City,State,Zip: SANTEE, CA 92071
Site ID: 397196
CERS ID: 10377286
CERS Description: Hazardous Waste Generator

HAZNET:
Name: JIMCO RACING INC
Address: 9335 STEVENS RD
Address 2: Not reported
City,State,Zip: SANTEE, CA 92071
Contact: ANITA STEWART
Telephone: 6195963360
Mailing Name: Not reported
Mailing Address: 9335 STEVENS RD

Year: 2021
Gepaid: CAL000453201
TSD EPA ID: UTD981552177
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.055

Year: 2021
Gepaid: CAL000453201
TSD EPA ID: CAD044429835
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2075

Year: 2020
Gepaid: CAL000453201
TSD EPA ID: CAD059494310
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

JIMCO RACING INC (Continued) **S112856159**

Tons:	0.08
Year:	2020
Gepaid:	CAL000453201
TSD EPA ID:	NED981723513
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.066
Year:	1993
Gepaid:	CAC000957176
TSD EPA ID:	CAT080013352
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	R01 - Recycler
Tons:	0.2085

Detail Two:

Year:	2020
EM Manifest ID:	33dafcf0-bf7f-4b20-a8dd-9451325aa782
Shipment Date:	6/15/2020
Receipt Date:	6/26/2020
Manifest Number:	007298876SKS
Generator EPA ID:	CAL000453201
Name:	JIMCO RACING INC
Address:	9335 STEVENS RD
Address 2:	Not reported
City:	SANTEE
Zip:	92071
Telephone:	800-483-3718
Contact:	Adina Garrett
Contact Telephone:	619-596-3360
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NED981723513
TSDF Name:	Clean Harbors Environmental Services, Inc.
TSDF Address 1:	2247 South Highway 71
TSDF Address 2:	Not reported
TSDF City:	Kimball
TSDF Zip:	69145
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	33dafcf0-bf7f-4b20-a8dd-9451325aa782
Generator EPA ID:	CAL000453201
Shipment Date:	2020-06-15
Manifest Number:	007298876SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.05600
Quantity Waste:	112.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs

JIMCO RACING INC (Continued) **S112856159**

Quantity Type:	Pounds
Federal Code:	D006
Year:	2020
EM Manifest ID:	33dafcf0-bf7f-4b20-a8dd-9451325aa782
Generator EPA ID:	CAL000453201
Shipment Date:	2020-06-15
Manifest Number:	007298876SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.05600
Quantity Waste:	112.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	33dafcf0-bf7f-4b20-a8dd-9451325aa782
Generator EPA ID:	CAL000453201
Shipment Date:	2020-06-15
Manifest Number:	007298876SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.05600
Quantity Waste:	112.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D008
Year:	2020
EM Manifest ID:	33dafcf0-bf7f-4b20-a8dd-9451325aa782
Generator EPA ID:	CAL000453201
Shipment Date:	2020-06-15
Manifest Number:	007298876SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	33dafcf0-bf7f-4b20-a8dd-9451325aa782
Generator EPA ID:	CAL000453201
Shipment Date:	2020-06-15
Manifest Number:	007298876SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	0.01000
Quantity Waste:	20.000000

JIMCO RACING INC (Continued) **S112856159**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D008

State:

Year:	2020
EM Manifest ID:	33dafcf0-bf7f-4b20-a8dd-9451325aa782
Generator EPA ID:	CAL000453201
Shipment Date:	2020-06-15
Manifest Number:	007298876SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.05600
Quantity Waste:	112.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214

Year:	2020
EM Manifest ID:	33dafcf0-bf7f-4b20-a8dd-9451325aa782
Generator EPA ID:	CAL000453201
Shipment Date:	2020-06-15
Manifest Number:	007298876SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214

Year:	2020
EM Manifest ID:	a3fb8667-45d1-427a-89dc-4a8c85223ba0
Shipment Date:	3/27/2020
Receipt Date:	4/10/2020
Manifest Number:	007297122SKS
Generator EPA ID:	CAL000453201
Name:	JIMCO RACING INC
Address:	9335 STEVENS RD
Address 2:	Not reported
City:	SANTEE
Zip:	92071
Telephone:	800-483-3718
Contact:	Adina Garrett
Contact Telephone:	619-596-3360
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD059494310

JIMCO RACING INC (Continued) **S112856159**

TSDF Name: Clean Harbors San Jose LLC
TSDF Address 1: 1021 Berryessa Road
TSDF Address 2: Not reported
TSDF City: San Jose
TSDF Zip: 95133
TSDF Telephone: 800-483-3718

Federal:
Year: 2020
EM Manifest ID: a3fb8667-45d1-427a-89dc-4a8c85223ba0
Generator EPA ID: CAL000453201
Shipment Date: 2020-03-27
Manifest Number: 007297122SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.08000
Quantity Waste: 160.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D006

Year: 2020
EM Manifest ID: a3fb8667-45d1-427a-89dc-4a8c85223ba0
Generator EPA ID: CAL000453201
Shipment Date: 2020-03-27
Manifest Number: 007297122SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.08000
Quantity Waste: 160.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: a3fb8667-45d1-427a-89dc-4a8c85223ba0
Generator EPA ID: CAL000453201
Shipment Date: 2020-03-27
Manifest Number: 007297122SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.08000
Quantity Waste: 160.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D008

State:
Year: 2020
EM Manifest ID: a3fb8667-45d1-427a-89dc-4a8c85223ba0
Generator EPA ID: CAL000453201

JIMCO RACING INC (Continued) **S112856159**

Shipment Date:	2020-03-27
Manifest Number:	007297122SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.08000
Quantity Waste:	160.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214

Additional Info:

Year:	1993
Gen EPA ID:	CAC000957176
Shipment Date:	19930920
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941208
Manifest ID:	90790264
Trans EPA ID:	CAD981427511
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	30 RACING, INC & JIMCO RACING, INC
Address:	9335 STEVENS RD
City,State,Zip:	SANTEE, CA 92071
Site ID:	397196
CERS ID:	10377286
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	397196
Site Name:	30 Racing, Inc & Jimco Racing, Inc
Violation Date:	06-20-2017
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a

JIMCO RACING INC (Continued) **S112856159**

hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 11/02/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 397196
Site Name: 30 Racing, Inc & Jimco Racing, Inc
Violation Date: 06-20-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/02/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:4099808
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-20-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5699865
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-25-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6191501
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:4099808
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

JIMCO RACING INC (Continued) **S112856159**

Coordinates:

Site ID:	397196
Facility Name:	30 Racing, Inc & Jimco Racing, Inc
Env Int Type Code:	HMBP
Program ID:	10377286
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.845940
Longitude:	-116.962140

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	9335 Stevens RD
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Document Preparer
Entity Name:	Anita Stewart
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Robert Pierce
Entity Title:	Not reported
Affiliation Address:	9335 Stevens RD
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Anita Stewart
Entity Title:	Director of Administration
Affiliation Address:	Not reported
Affiliation City:	Not reported

JIMCO RACING INC (Continued) **S112856159**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: PIERCE ROBERT A TRUST 02-10-09
Entity Title: Not reported
Affiliation Address: 9335 Stevens RD
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (619) 562-2424,

Affiliation Type Desc: Operator
Entity Name: 30 Racing, Inc. & Jimco Racing, Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 596-3360,

Affiliation Type Desc: Parent Corporation
Entity Name: 30 Racing, Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: JIMCO RACING INC
Address: 9335 STEVENS RD
Address 2: Not reported
City,State,Zip: SANTEE, CA 92071
EPA ID: CAL000453201
Inactive Date: Not reported
Create Date: 03/04/2020
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 9335 STEVENS RD
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTEE, CA 92071
Owner Name: JIMCO RACING INC
Owner Address: 9335 STEVENS RD
Owner Address 2: Not reported
Owner City,State,Zip: SANTEE, CA 92071
Contact Name: ANITA STEWART
Contact Address: 9335 STEVENS RD
Contact Address 2: Not reported
City,State,Zip: SANTEE, CA 92071

JIMCO RACING INC (Continued) **S112856159**

Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 32.845959
Longitude: -116.962146

NAICS:
EPA ID: CAL000453201
Create Date: 2020-03-04 08:05:41.320
NAICS Code: 336399
NAICS Description: All Other Motor Vehicle Parts Manufacturing
Issued EPA ID Date: 2020-03-04 08:05:41.30300
Inactive Date: Not reported
Facility Name: JIMCO RACING INC
Facility Address: 9335 STEVENS RD
Facility Address 2: Not reported
Facility City: SANTEE
Facility County: Not reported
Facility State: CA
Facility Zip: 92071

Name: RONALD K BURNER
Address: 9335 STEVENS RD
Address 2: Not reported
City,State,Zip: SANTEE, CA 92072
EPA ID: CAC000957176
Inactive Date: 10/25/2000
Create Date: 09/14/1993
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 398
Mailing Address 2: Not reported
Mailing City,State,Zip: HOLTVILLE, CA 922500000
Owner Name: RONALD K BURNER
Owner Address: Not reported
Owner Address 2: Not reported
Owner City,State,Zip: Not reported
Contact Name: CONNIE HOYT
Contact Address: P O BOX 398
Contact Address 2: Not reported
City,State,Zip: HOLTVILLE, CA 922500000
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 32.845541
Longitude: -116.962671

H60 **JIMCO RACING INC** **RCRA NonGen / NLR** **1026057008**
SW **9335 STEVENS RD** **CAL000453201**
1/8-1/4 **SANTEE, CA 92071**
0.136 mi.
716 ft. **Site 8 of 11 in cluster H**

Relative: **Higher**

Actual: **356 ft.**

RCRA Listings:
Date Form Received by Agency: 20200304
Handler Name: JIMCO RACING INC
Handler Address: 9335 STEVENS RD

JIMCO RACING INC (Continued) **1026057008**

Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAL000453201
Contact Name:		ROBBIE PIERCE
Contact Address:		9335 STEVENS RD
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-596-3360
Contact Fax:		619-596-3364
Contact Email:		ACCOUNTING@JIMCORACING.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9335 STEVENS RD
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	JIMCO RACING INC	
Owner Type:		Other
Operator Name:	ROBBIE PIERCE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No

JIMCO RACING INC (Continued) **1026057008**

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200306
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JIMCO RACING INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9335 STEVENS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-2424
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ROBBIE PIERCE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9335 STEVENS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-596-3360
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200304
Handler Name: JIMCO RACING INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

JIMCO RACING INC (Continued) **1026057008**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H61 **R K BURNER SHEET METAL** **San Diego Co. HMMD** **S106059894**
SW **9335 STEVENS RD** **HIST UST** **N/A**
1/8-1/4 **SANTEE, CA 92071**
0.136 mi.
716 ft. **Site 9 of 11 in cluster H**

Relative:
Higher

Actual:
356 ft.

HMMD SAN DIEGO:
Name: R K BURNER SHEET METAL
Address: 9335 STEVENS RD
City,State,Zip: SANTEE, CA 92071
Permit Number: 101737
Business Type: Not reported
EPA Id Number: Not reported
APN: 381-540-26-00
Last HMMD Inspection: Not reported
Facility Telephone: Not reported
Permit Status: INAC
Permit Expiration: 09/08/1993
Date Last Updated: 11/02/2012
Facility Owner: Not reported
Facility Mailing Address: Not reported
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 101737 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 101737
Tank Type: UNKNOWN
Additional Id: 001
Capacity Gallons: 500

R K BURNER SHEET METAL (Continued) **S106059894**

UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1993-09-20 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 101737 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	101737
Tank Type:	UNKNOWN
Additional Id:	002
Capacity Gallons:	500
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1993-09-20 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

HIST UST:

Name:	RK BURNER SHEET METAL INC
Address:	9335 STEVENS ROAD
City,State,Zip:	SANTEE, CA 92071
File Number:	0002F1BA
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F1BA.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

R K BURNER SHEET METAL (Continued) **S106059894**

Click here for Geo Tracker PDF:

H62 **R.K. BURNER SHEET METAL, INC.** **San Diego Co. HMMD** **U001572274**
SW **9335 STEVENS RD** **HIST UST** **N/A**
1/8-1/4 **SANTEE, CA 92071**
0.136 mi.
716 ft. **Site 10 of 11 in cluster H**

Relative:
Higher

Actual:
356 ft.

HMMD SAN DIEGO:

Name:	30 RACING, INC & JIMCO RACING, INC
Address:	9335 STEVENS RD
City,State,Zip:	SANTEE, CA 92071
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000453201
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-596-3360
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	08/10/2021
Facility Owner:	Not reported
Facility Mailing Address:	9335 Stevens RD, Santee, CA 92071
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2010-HUPFP-212009
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-212009
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5699865
Return To Compliance Date:	2017-11-02T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-08-10T00:00:00.000
Inspection Date:	2017-06-20T16:53:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2

Record ID:	DEH2010-HUPFP-212009
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-212009
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine

R.K. BURNER SHEET METAL, INC. (Continued) **U001572274**

Inspection Number: 5699865
Return To Compliance Date: 2017-11-02T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-08-10T00:00:00.000
Inspection Date: 2017-06-20T16:53:00.000
Violation Code: 1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

Waste and Materials:

Record ID: DEH2010-HUPFP-212009
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0146133
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-02-22T00:48:01.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2010-HUPFP-212009
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269725
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-10T02:32:32.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2010-HUPFP-212009
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269726
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-10T02:32:32.000
Chemical Name: Argon Gas 75%, Carbon Dioxide 25% (Steelmix)
Common Name: Argon Gas 75%, Carbon Dioxide 25% (Steelmix)
Case Number: 7440-37-1

Record ID: DEH2010-HUPFP-212009
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269727
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-10T02:32:32.000
Chemical Name: Oxygen
Common Name: Oxygen Gas
Case Number: 7782-44-7

R.K. BURNER SHEET METAL, INC. (Continued) **U001572274**

Record ID:	DEH2010-HUPFP-212009
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0269728
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-08-10T02:32:32.000
Chemical Name:	Lubricating oils, used
Common Name:	Used lubricating oils
Case Number:	70514-12-4

Record ID:	DEH2010-HUPFP-212009
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0239848
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-08-10T02:32:32.000
Chemical Name:	PARTS WASHER
Common Name:	PARTS WASHER
Case Number:	Not reported

Record ID:	DEH2010-HUPFP-212009
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0239849
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-08-10T02:32:32.000
Chemical Name:	Ethylene Glycol
Common Name:	Ethylene Glycol
Case Number:	Not reported

Record ID:	DEH2010-HUPFP-212009
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HCHEM-0080362
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-08-24T02:31:01.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	68476-85-7

Record ID:	DEH2010-HUPFP-212009
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HWAST-0063651
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-08-24T02:31:01.000
Chemical Name:	PARTS WASHER
Common Name:	PARTS WASHER
Case Number:	Not reported

Record ID:	DEH2010-HUPFP-212009
Permit Status:	Permit Renewed

R.K. BURNER SHEET METAL, INC. (Continued) **U001572274**

Active Permit:	Y
Child Record Id:	DEH2015-HWAST-0063652
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-08-24T02:31:01.000
Chemical Name:	USED OIL
Common Name:	USED OIL
Case Number:	Not reported

Record ID:	DEH2010-HUPFP-212009
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226341
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-06-16T01:29:58.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	68476-85-7

Name:	MASTERCRAFT SAFETY
Address:	9335 STEVENS RD
City,State,Zip:	SANTEE, CA 92071
Permit Number:	212009
Business Type:	6HK70
EPA Id Number:	Not reported
APN:	381-540-26-00
Last HMMD Inspection:	06/20/2012
Facility Telephone:	619-449-9455
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	MASTERCRAFT, INC
Facility Mailing Address:	9335 STEVENS RD
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	212009
Update Date:	11/02/2012
Case Number:	Not reported
Name:	GLUE - WATERBASED
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	212009
Update Date:	11/02/2012

R.K. BURNER SHEET METAL, INC. (Continued) **U001572274**

Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	212009
Update Date:	11/02/2012
Inspection Date:	06/03/2010
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	ACTIVE

HIST UST:

Name:	R.K. BURNER SHEET METAL, INC.
Address:	9335 STEVENS RD
City,State,Zip:	SANTEE, CA 92071
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000068882
Facility Type:	Other
Other Type:	SHEET METAL INCORPOR
Contact Name:	Not reported
Telephone:	6194491961
Owner Name:	R.K. BURNER
Owner Address:	7455 CONESTOGA WAY
Owner City,St,Zip:	SAN DIEGO, CA 92120
Total Tanks:	0002
Tank Num:	001
Container Num:	01
Year Installed:	1983
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	1
Container Construction Thickness:	X
Leak Detection:	Sensor Instrument, Pressure Test
Tank Num:	002
Container Num:	02
Year Installed:	1983
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Sensor Instrument, Pressure Test

H63 **MASTERCRAFT MOTORSPORTS INC** **RCRA NonGen / NLR** **1024849216**
SW **9335 STEVENS RD** **CAL000405613**
1/8-1/4 **SANTEE, CA 92071**
0.136 mi.
716 ft. **Site 11 of 11 in cluster H**

Relative: **Higher**

Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:	20150327
Handler Name:	MASTERCRAFT MOTORSPORTS INC
Handler Address:	9335 STEVENS RD
Handler City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000405613
Contact Name:	ANITA STEWART
Contact Address:	9335 STEVENS RD
Contact City,State,Zip:	SANTEE, CA 92071
Contact Telephone:	619-449-9455
Contact Fax:	619-449-9454
Contact Email:	ANITA@MASTERCRAFTSAFETY.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	9335 STEVENS RD
Mailing City,State,Zip:	SANTEE, CA 92071
Owner Name:	MASTERCRAFT MOTORSPORTS INC
Owner Type:	Other
Operator Name:	ANITA STEWART
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

MASTERCRAFT MOTORSPORTS INC (Continued) **1024849216**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: ANITA STEWART	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9335 STEVENS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-449-9455
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: MASTERCRAFT MOTORSPORTS INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9335 STEVENS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-2424
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

MASTERCRAFT MOTORSPORTS INC (Continued) **1024849216**

Historic Generators:
Receive Date: 20150327
Handler Name: MASTERCRAFT MOTORSPORTS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 711219
NAICS Description: OTHER SPECTATOR SPORTS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K64 **RAFI GORGES** **RCRA NonGen / NLR** **1025829201**
ESE **11140 MEADOW TERRACE DR.** **CAC003008755**
1/8-1/4 **SANTEE, CA 92071**
0.144 mi.
762 ft. **Site 1 of 2 in cluster K**

Relative: **Higher**
Actual: **376 ft.**

RCRA Listings:
Date Form Received by Agency: 20190404
Handler Name: RAFI GORGES
Handler Address: 11140 MEADOW TERRACE DR.
Handler City,State,Zip: SANTEE, CA 92071
EPA ID: CAC003008755
Contact Name: RAFI GORGES
Contact Address: 11140 MEADOW TERRACE DR.
Contact City,State,Zip: SANTEE, CA 92071
Contact Telephone: 619-504-2041
Contact Fax: Not reported
Contact Email: SDABATEMENT@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 11140 MEADOW TERRACE DR.
Mailing City,State,Zip: SANTEE, CA 92071
Owner Name: RAFI GORGES

RAFI GORGES (Continued) **1025829201**

Owner Type:		Other
Operator Name:	RAFI GORGES	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20190626
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

RAFI GORGES (Continued) **1025829201**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: RAFI GORGES
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11140 MEADOW TERRACE DR.
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-504-2041
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RAFI GORGES
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11140 MEADOW TERRACE DR.
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-504-2041
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190404
Handler Name: RAFI GORGES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

65
SE
1/8-1/4
0.166 mi.
876 ft.

JENNIFER JONES
9253 BLOOMDALE ST.
SANTEE, CA 92071

RCRA NonGen / NLR

1026817779
CAC003130545

Relative:
Higher

Actual:
383 ft.

RCRA Listings:

Date Form Received by Agency:		20210722
Handler Name:	JENNIFER JONES	
Handler Address:		9253 BLOOMDALE ST.
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAC003130545
Contact Name:		JENNIFER JONES
Contact Address:		9253 BLOOMDALE ST.
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-729-8448
Contact Fax:		Not reported
Contact Email:		SDABATEMENT@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9253 BLOOMDALE ST.
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	JENNIFER JONES	
Owner Type:		Other
Operator Name:	JENNIFER JONES	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

JENNIFER JONES (Continued) **1026817779**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210722
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JENNIFER JONES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9253 BLOOMDALE ST.
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-729-8448
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JENNIFER JONES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9253 BLOOMDALE ST.
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-729-8448
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

JENNIFER JONES (Continued) **1026817779**

Historic Generators:
Receive Date: 20210722
Handler Name: JENNIFER JONES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L66 **QUALITY CONTROLLED MFG INC** **RCRA NonGen / NLR** **1024820220**
West **9429 ABRAHAM WAY** **CAL000332740**
1/8-1/4 **SANTEE, CA 92071**
0.170 mi.
896 ft. **Site 1 of 10 in cluster L**

Relative: **Lower**

Actual: **353 ft.**

RCRA Listings:
Date Form Received by Agency: 20080519
Handler Name: QUALITY CONTROLLED MFG INC
Handler Address: 9429 ABRAHAM WAY
Handler City,State,Zip: SANTEE, CA 92071-2854
EPA ID: CAL000332740
Contact Name: LINDA RINNER
Contact Address: 9429 ABRAHAM WAY
Contact City,State,Zip: SANTEE, CA 92071
Contact Telephone: 619-443-3997
Contact Fax: 619-443-3797
Contact Email: LRINNER@QCMFGINC.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 9429 ABRAHAM WAY
Mailing City,State,Zip: SANTEE, CA 92071-2854
Owner Name: QUALITY CONTROLLED MFG INC

QUALITY CONTROLLED MFG INC (Continued) **1024820220**

Owner Type:		Other
Operator Name:	LINDA RINNER	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20180905
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

QUALITY CONTROLLED MFG INC (Continued) **1024820220**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: LINDA RINNER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9429 ABRAHAM WAY
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-443-3997
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: QUALITY CONTROLLED MFG INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9429 ABRAHAM WAY
Owner/Operator City,State,Zip: SANTEE, CA 92071-2854
Owner/Operator Telephone: 619-443-3997
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20080519
Handler Name: QUALITY CONTROLLED MFG INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 33271
NAICS Description: MACHINE SHOPS

NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L67 **QUALITY CONTROLLED MFG INC** **RCRA-SQG** **1000344064**
West **9429 ABRAHAM WAY** **FINDS** **CAD981396997**
1/8-1/4 **SANTEE, CA 92071** **ECHO**
0.170 mi.
896 ft. **Site 2 of 10 in cluster L**

Relative: **Lower**
Actual: **353 ft.**

RCRA Listings:

Date Form Received by Agency:		19860421
Handler Name:	AEROWIND CORP	
Handler Address:		9429 ABRAHAM WAY
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAD981396997
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		9429 ABRAHAM WAY
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-562-6090
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		9429 ABRAHAM WAY
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	W L KOUSENS	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

QUALITY CONTROLLED MFG INC (Continued) **1000344064**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: W L KOUSENS	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

QUALITY CONTROLLED MFG INC (Continued) **1000344064**

Historic Generators:
Receive Date: 19860421
Handler Name: AEROWIND CORP
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 336419
NAICS Description: OTHER GUIDED MISSILE AND SPACE VEHICLE PARTS AND AUXILIARY EQUIPMENT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055743888

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
Registry ID: 110002693381

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

QUALITY CONTROLLED MFG INC (Continued) **1000344064**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000344064
Registry ID:	110055743888
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055743888
Name:	QUALITY CONTROLLED MFG INC
Address:	9429 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071

Envid:	1000344064
Registry ID:	110002693381
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002693381
Name:	AEROWIND CORP
Address:	9429 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071

L68 **QUALITY CONTROLLED MANUFACTURING, INC** **San Diego Co. HMMD** **S104745175**
West **9429 ABRAHAM WAY** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SANTEE, CA 92071** **CERS**
0.170 mi.
896 ft. **Site 3 of 10 in cluster L**

Relative:
Lower

Actual:
353 ft.

HMMD SAN DIEGO:

Name:	QUALITY CONTROLLED MANUFACTURING, INC
Address:	9429 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000332740
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-443-3997
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	03/30/2022
Facility Owner:	Not reported
Facility Mailing Address:	9429 ABRAHAM WAY, SANTEE, CA 92071-2854
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2008-HUPFP-209404
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209404
Program Element:	Hazardous Materials Release Response Plans

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Inspection Type:	Routine
Inspection Number:	6806436
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-30T00:00:00.000
Inspection Date:	2021-11-10T00:00:00.000
Violation Code:	HMD0000 HAZARDOUS MATERIALS REQUIREMENTS

Record ID:	DEH2008-HUPFP-209404
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209404
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6806436
Return To Compliance Date:	2021-11-10T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-30T00:00:00.000
Inspection Date:	2021-11-10T00:00:00.000
Violation Code:	1010008 HMBP not certified as complete and accurate in CERS by the required due date. HSC 25508.2, 19 CCR 2654(b)

Record ID:	DEH2008-HUPFP-209404
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209404
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5596402
Return To Compliance Date:	2016-11-10T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-30T00:00:00.000
Inspection Date:	2016-11-09T17:10:00.000
Violation Code:	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

Waste and Materials:

Record ID:	DEH2008-HUPFP-209404
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0241065
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-04-03T02:49:33.000
Chemical Name:	Not reported
Common Name:	CHEVRON Rando 32
Case Number:	Not reported

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0241066
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: Way Lube
Common Name: Mobil Vactra OIL #2
Case Number: 64742-57-0

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0241072
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: Olympus Premium Way Lube 68
Common Name: Way Lube 68
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0241073
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: Olympus Mineral Seal Oil
Common Name: Preservative Oil
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0241074
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: Mobil DTE Oil Lite
Common Name: DTE Lite
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0241075
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: Denatured Ethanol
Common Name: Denatured Alcohol
Case Number: 64-17-5

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Active Permit: Y
Child Record Id: DEH2019-HWAST-0211815
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: Not reported
Common Name: Oily Water
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0211816
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: ACTIVATED CARBON FILTER MEDIA & ABSORBENT
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0122392
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-23T02:32:55.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0122393
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-23T02:32:55.000
Chemical Name: WATER SOLUBLE OIL
Common Name: VP-TECH, ZEP PRESERVE
Case Number: 64742-88-7

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0122394
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-23T02:32:55.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0122395

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-23T02:32:55.000
Chemical Name: WAY OILS
Common Name: MOBIL VACTRA, VISTAC ISO68, VISTAC ISO32, ARROW 502
Case Number: 64742-57-0

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0122396
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-23T02:32:55.000
Chemical Name: MINERAL OILS
Common Name: CHEVRON RIKON & RANDO, PELLA, DTE LIGHT
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0102349
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-23T02:32:55.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED CUTTING OILS
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0102350
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-23T02:32:55.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: ACTIVATED CARBON FILTER MEDIA &ABSORBENT
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0102351
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-23T02:32:55.000
Chemical Name: Not reported
Common Name: Oily Absorbents
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312310
Trade Secret: N
Hazardous Material Type: Mixture

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Last Updated: 2022-03-30T02:32:45.000
Chemical Name: Not reported
Common Name: CHEVRON Rando 32
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312311
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: Way Lube
Common Name: Mobil Vactra OIL #2
Case Number: 64742-57-0

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312321
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: Heavy Duty Degreaser Concentrate
Common Name: Parts Washer Fluid
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0280017
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: Not reported
Common Name: Oily Water
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0280018
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: ACTIVATED CARBON FILTER MEDIA & ABSORBENT
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0280019
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Common Name: USED CUTTING OILS
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0280020
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: Not reported
Common Name: Oily Absorbents
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205640
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: Way Lube
Common Name: Mobil Vactra OIL #2
Case Number: 64742-57-0

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205641
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 74-98-6

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205642
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: WATER SOLUBLE OIL
Common Name: VP-TECH
Case Number: 64742-88-7

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205643
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205644
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: TURCO 5948-DPM
Common Name: ALKALINE CLEANER
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205645
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: Olympus Premium Way Lube 32
Common Name: Way Lube 32
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205646
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: Olympus Premium Way Lube 68
Common Name: Way Lube 68
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205647
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: Olympus Mineral Seal Oil
Common Name: Preservative Oil
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205648
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: Mobil DTE Oil Lite
Common Name: DTE Lite
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Active Permit: Y
Child Record Id: DEH2019-HWAST-0177605
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: Not reported
Common Name: Oily Water
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177606
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: ACTIVATED CARBON FILTER MEDIA & ABSORBENT
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177607
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED CUTTING OILS
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177608
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: Not reported
Common Name: Oily Absorbents
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205639
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-04T02:55:13.000
Chemical Name: Not reported
Common Name: CHEVRON Rando 32
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0280021

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: Not reported
Common Name: Evaporated oily water and coolant
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0241067
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 74-98-6

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0241068
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: WATER SOLUBLE OIL
Common Name: VP-TECH
Case Number: 64742-88-7

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312312
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 74-98-6

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312313
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: WATER SOLUBLE OIL
Common Name: Machining Coolant
Case Number: 64742-88-7

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312314
Trade Secret: N
Hazardous Material Type: Pure

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Last Updated: 2022-03-30T02:32:45.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312315
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: TURCO 5948-DPM
Common Name: ALKALINE CLEANER
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312316
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: Olympus Premium Way Lube 32
Common Name: Way Lube 32
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312317
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: Olympus Premium Way Lube 68
Common Name: Way Lube 68
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312318
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: Olympus Mineral Seal Oil
Common Name: Preservative Oil
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312319
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: Mobil DTE Oil Lite

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Common Name: DTE Lite
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0312320
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-03-30T02:32:45.000
Chemical Name: Denatured Ethanol
Common Name: Denatured Alcohol
Case Number: 64-17-5

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0241069
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0241070
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: TURCO 5948-DPM
Common Name: ALKALINE CLEANER
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0241071
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: Olympus Premium Way Lube 32
Common Name: Way Lube 32
Case Number: Not reported

Record ID: DEH2008-HUPFP-209404
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0211817
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-03T02:49:33.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED CUTTING OILS
Case Number: Not reported

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Record ID:	DEH2008-HUPFP-209404
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0211818
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-03T02:49:33.000
Chemical Name:	Not reported
Common Name:	Oily Absorbents
Case Number:	Not reported

Record ID:	DEH2008-HUPFP-209404
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0211819
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-03T02:49:33.000
Chemical Name:	Not reported
Common Name:	Evaporated oily water and coolant
Case Number:	Not reported

Record ID:	DEH2008-HUPFP-209404
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0211820
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-03T02:49:33.000
Chemical Name:	Not reported
Common Name:	Evaporated oily water and coolant
Case Number:	Not reported

Name:	DISCFLO CORPORATION
Address:	9429 ABRAHAM WY
City,State,Zip:	SANTEE, CA 92071
Permit Number:	130362
Business Type:	6HK70
EPA Id Number:	CAL000005551
APN:	381-640-35-00
Last HMMD Inspection:	08/12/1992
Facility Telephone:	619-449-1971
Permit Status:	INAC
Permit Expiration:	08/12/2002
Date Last Updated:	11/02/2012
Facility Owner:	MAX GURTH
Facility Mailing Address:	9429 ABRAHAM WY
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-2854
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Generate Medical Waste: Not reported

Name: QUALITY CONTROLLED MANUFACTURING, INC
Address: 9429 ABRAHAM WY
City,State,Zip: SANTEE, CA 92071
Permit Number: 209404
Business Type: 6HK35
EPA Id Number: CAL000332740
APN: 381-640-35-00
Last HMMD Inspection: 08/16/2011
Facility Telephone: 619-443-3997
Permit Status: OPEN
Permit Expiration: 03/31/2013
Date Last Updated: 11/02/2012
Facility Owner: QUALITY CONTROLLED MANUFACTURING, INC
Facility Mailing Address: 9429 ABRAHAM WAY
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071-2854
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 209404
Update Date: 11/02/2012
Case Number: Not reported
Name: ARGON/CO2 GAS
Other Information: MIG MIX
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 209404
Update Date: 11/02/2012
Case Number: Not reported
Name: MINERAL OILS
Other Information: CHEVRON RIKON & RANDO, PELLA, DTE LIGHT
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 209404
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 209404
Update Date: 11/02/2012
Case Number: 68476-85-7

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 209404
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED CUTTING OILS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209404
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ACTIVATED CARBON FILTER MEDIA &ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209404
Update Date: 11/02/2012
Case Number: 64742-88-7
Name: WATER SOLUBLE OIL
Other Information: VP-TECH, ZEP PRESERVE
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 209404
Update Date: 11/02/2012
Case Number: 64742-57-0
Name: WAY OILS
Other Information: MOBIL VUCTRA, VISTA ISO68, VISTA ISO32, ARROW 502
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Violations Active Permits:
Permit Number: 209404
Update Date: 11/02/2012
Inspection Date: 08/16/2011
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Name: PEC OF AMERICA CORP
Address: 9429 ABRAHAM WY
City,State,Zip: SANTEE, CA 92071

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Permit Number:	100970
Business Type:	6HK35
EPA Id Number:	CAL000130529
APN:	381-640-35-00
Last HMMD Inspection:	03/08/2000
Facility Telephone:	619-596-6400
Permit Status:	INAC
Permit Expiration:	02/28/2001
Date Last Updated:	11/02/2012
Facility Owner:	PEC AMERICA CORP
Facility Mailing Address:	9429 ABRAHAM WY
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-2854
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CERS HAZ WASTE:

Name:	QUALITY CONTROLLED MANUFACTURING, INC
Address:	9429 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Site ID:	400053
CERS ID:	10377229
CERS Description:	Hazardous Waste Onsite Treatment

Name:	QUALITY CONTROLLED MANUFACTURING, INC
Address:	9429 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Site ID:	400053
CERS ID:	10377229
CERS Description:	Hazardous Waste Generator

CERS:

Name:	QUALITY CONTROLLED MANUFACTURING, INC
Address:	9429 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Site ID:	400053
CERS ID:	10377229
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	400053
Site Name:	QUALITY CONTROLLED MANUFACTURING, INC
Violation Date:	11-10-2021
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 11/10/2021. Inspection Sequence ID:6806436
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Violation Source: CERS,

Site ID: 400053
Site Name: QUALITY CONTROLLED MANUFACTURING, INC
Violation Date: 11-09-2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 11/10/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4092211
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-09-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5596402
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6038948
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-09-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5596402
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2015
Violations Found: No
Eval Type: Routine done by local agency

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Eval Notes:	Inspector: Santos Steven Inspection ID:4092211
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6038948
Eval Division:	San Diego County Department of Env Health
Eval Program:	CE
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6038948
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-10-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Zahra Alaaeddine Inspection ID:6806436
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-10-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Zahra Alaaeddine Inspection ID:6806436
Eval Division:	San Diego County Department of Env Health
Eval Program:	PBR
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-10-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Zahra Alaaeddine Inspection ID:6806436
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	400053
Facility Name:	QUALITY CONTROLLED MANUFACTURING, INC
Env Int Type Code:	HMBP
Program ID:	10377229
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Latitude: 32.848020
Longitude: -116.963230

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Environmental Contact
Entity Name: Robert Bringino
Entity Title: Not reported
Affiliation Address: 9429 ABRAHAM WAY
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: GRANDE WILLIAM R REVOCABLE TRUS
Entity Title: Not reported
Affiliation Address: 9429 ABRAHAM WAY
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (619) 443-3997,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Thomas Shultz
Entity Title: CNC Machinist / Instructor
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 9429 ABRAHAM WAY
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071-2854
Affiliation Phone: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Tom Shultz
Entity Title: Machinist

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	QUALITY CONTROLLED MANUFACTURING, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 443-3997,
Affiliation Type Desc:	Document Preparer
Entity Name:	Thomas Shultz
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	WILLIAM R. GRANDE
Entity Title:	PRESIDENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Linda Rinner
Entity Title:	Q.E.
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	GRANDE WILLIAM R REVOCABLE TRUS
Entity Title:	Not reported
Affiliation Address:	9429 ABRAHAM WAY
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(616) 443-3997,

QUALITY CONTROLLED MANUFACTURING, INC (Continued) **S104745175**

Affiliation Type Desc:	Parent Corporation
Entity Name:	QUALITY CONTROLLED MANUFACTURING, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

M69 **FETTERLEY OIL CO** **San Diego Co. HMMD** **S104746325**
SW **9311 STEVENS ST** **SWEEPS UST** **N/A**
1/8-1/4 **SANTEE, CA 92071** **NPDES**
0.180 mi.
953 ft. **Site 1 of 4 in cluster M**

Relative:
Higher

Actual:
360 ft.

HMMD SAN DIEGO:

Name:	FETTERLEY OIL CO
Address:	9311 STEVENS ST
City,State,Zip:	SANTEE, CA 92071
Permit Number:	106168
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	381-540-28-00
Last HMMD Inspection:	Not reported
Facility Telephone:	619-447-6212
Permit Status:	INAC
Permit Expiration:	09/30/2002
Date Last Updated:	11/02/2012
Facility Owner:	FETTERLEY OIL CO
Facility Mailing Address:	9311 STEVENS ST
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-2809
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 106168 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	106168
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	4000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1988-12-03 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90

FETTERLEY OIL CO (Continued) **S104746325**

UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 106168 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	106168
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	4000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1988-08-03 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	ADVANCED ELECTROMAGNETICS INC
Address:	9311 STEVENS ST
City,State,Zip:	SANTEE, CA 92071
Permit Number:	201027
Business Type:	6HK70
EPA Id Number:	CAL000268038
APN:	381-540-28-00
Last HMMD Inspection:	10/19/2011
Facility Telephone:	619-449-9492
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	ORBIT/FR
Facility Mailing Address:	PO BOX 711719
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	201027
Update Date:	11/02/2012
Case Number:	79-20-9
Name:	3M ADHESIVE CA94
Other Information:	(70% METHYLACETATE)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201027
Update Date:	11/02/2012

FETTERLEY OIL CO (Continued) **S104746325**

Case Number:	67-64-1
Name:	ACETONE (65%)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	12046-04-7
Name:	AMMONIUM PENTABORATE 100%
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	10043-35-3
Name:	BORIC ACID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	1333-86-4
Name:	CARBON BLACK & BORIC ACID MIXTURES
Other Information:	DIFFERENT CONCENTRATIONS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	1333-86-4
Name:	CARBON BLACK POLYMER
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	7783-28-0
Name:	DIAMMONIUM PHOSPHATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL 2%SILICON DI-OXIDE 0.4%(LATEX PAINT)
Other Information:	Not reported

FETTERLEY OIL CO (Continued) **S104746325**

Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 201027
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 201027
Update Date: 11/02/2012
Case Number: 67-64-1
Name: SOLVENT BASED COATING
Other Information: MURACULON (40% ACETONE)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 201027
Update Date: 11/02/2012
Case Number: 57-13-6
Name: UREA
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 201027
Update Date: 11/02/2012
Inspection Date: 04/08/2009
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Permit Number: 201027
Update Date: 11/02/2012
Inspection Date: 04/08/2009
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 201027
Update Date: 11/02/2012
Inspection Date: 04/08/2009
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)

FETTERLEY OIL CO (Continued) **S104746325**

Activity:	ACTIVE
Permit Number:	201027
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0411
Violation:	CONTINGENCY PLAN NOT IMPLEMENTED
Violation Citation:	Small quantity generator of hazardous waste failed to carry out contingency plan during an emergency. CFR 262.34(d)(5)(iv)
Activity:	ACTIVE
Permit Number:	201027
Update Date:	11/02/2012
Inspection Date:	04/10/2006
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Permit Number:	201027
Update Date:	11/02/2012
Inspection Date:	08/21/2003
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Permit Number:	201027
Update Date:	11/02/2012
Inspection Date:	08/21/2003
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	201027
Update Date:	11/02/2012
Inspection Date:	08/21/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Name:	ADVANCED ELECTROMAGNETICS INC
Address:	9311 STEVENS ST
City,State,Zip:	SANTEE, CA 92071
Permit Number:	201027
Business Type:	6HK70
EPA Id Number:	CAL000268038
APN:	381-540-28-00
Last HMMD Inspection:	10/19/2011

FETTERLEY OIL CO (Continued) **S104746325**

Facility Telephone:	619-449-9492
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	ORBIT/FR
Facility Mailing Address:	PO BOX 711719
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	201027
Update Date:	11/02/2012
Case Number:	79-20-9
Name:	3M ADHESIVE CA94
Other Information:	(70% METHYLACETATE)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201027
Update Date:	11/02/2012
Case Number:	67-64-1
Name:	ACETONE (65%)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	201027
Update Date:	11/02/2012
Case Number:	12046-04-7
Name:	AMMONIUM PENTABORATE 100%
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	201027
Update Date:	11/02/2012
Case Number:	10043-35-3
Name:	BORIC ACID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	201027
Update Date:	11/02/2012
Case Number:	1333-86-4
Name:	CARBON BLACK & BORIC ACID MIXTURES

FETTERLEY OIL CO (Continued) **S104746325**

Other Information:	DIFFERENT CONCENTRATIONS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	1333-86-4
Name:	CARBON BLACK POLYMER
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	7783-28-0
Name:	DIAMMONIUM PHOSPHATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL 2%SILICON DI-OXIDE 0.4%(LATEX PAINT)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	67-64-1
Name:	SOLVENT BASED COATING
Other Information:	MURACULON (40% ACETONE)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	201027
Update Date:	11/02/2012
Case Number:	57-13-6
Name:	UREA
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE

FETTERLEY OIL CO (Continued) **S104746325**

Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 201027
Update Date: 11/02/2012
Inspection Date: 04/08/2009
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Permit Number: 201027
Update Date: 11/02/2012
Inspection Date: 04/08/2009
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 201027
Update Date: 11/02/2012
Inspection Date: 04/08/2009
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 201027
Update Date: 11/02/2012
Inspection Date: 04/08/2009
Violation Code: 6HV0411
Violation: CONTINGENCY PLAN NOT IMPLEMENTED
Violation Citation: Small quantity generator of hazardous waste failed to carry out contingency plan during an emergency. CFR 262.34(d)(5)(iv)
Activity: ACTIVE

Permit Number: 201027
Update Date: 11/02/2012
Inspection Date: 04/10/2006
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity: ACTIVE

Permit Number: 201027
Update Date: 11/02/2012
Inspection Date: 08/21/2003
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

FETTERLEY OIL CO (Continued) **S104746325**

Permit Number:	201027
Update Date:	11/02/2012
Inspection Date:	08/21/2003
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE

Permit Number:	201027
Update Date:	11/02/2012
Inspection Date:	08/21/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

SWEEPS UST:

Name:	FETTERLEY OIL CO
Address:	9311 STEVENS ST
City:	SANTEE
Status:	Not reported
Comp Number:	6168
Number:	Not reported
Board Of Equalization:	44-022345
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-006168-000001
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	2

Name:	FETTERLEY OIL CO
Address:	9311 STEVENS ST
City:	SANTEE
Status:	Not reported
Comp Number:	6168
Number:	Not reported
Board Of Equalization:	44-022345
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-006168-000002
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL

FETTERLEY OIL CO (Continued) **S104746325**

STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

NPDES:

Name:	ADVANCED ELECTROMAGNETICS INC
Address:	9311 STEVENS RD
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37I020433
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	09/19/2017
Operator Name:	Scott Martin
Operator Address:	PO Box 711719
Operator City:	Santee
Operator State:	California
Operator Zip:	92072

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	308293
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37I020433
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/28/2006
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/19/2017
Discharge Name:	Scott Martin
Discharge Address:	PO Box 711719
Discharge City:	Santee
Discharge State:	California
Discharge Zip:	92072
Received Date:	Not reported
Processed Date:	Not reported

FETTERLEY OIL CO (Continued) **S104746325**

Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported

FETTERLEY OIL CO (Continued) **S104746325**

Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	308293
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37I020433
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	08/28/2006
Status:	Active
Status Date:	08/28/2006
Place Size:	3
Place Size Unit:	Acres
Contact:	Marvin Schultz
Contact Title:	maintenance supervisor
Contact Phone:	619-449-9492
Contact Phone Ext:	Not reported
Contact Email:	mschultz@aemi-inc.com
Operator Name:	Scott Martin
Operator Address:	PO Box 711719
Operator City:	Santee
Operator State:	California
Operator Zip:	92072
Operator Contact:	Marvin Schultz
Operator Contact Title:	Not reported
Operator Contact Phone:	619-449-9492
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mschultz@aemi-inc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported

FETTERLEY OIL CO (Continued) **S104746325**

Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Diego River
Certifier:	marvin schultz
Certifier Title:	MAINTENANCE SUPERVISOR
Certification Date:	06-MAY-15
Primary Sic:	3999-Manufacturing Industries, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

K70 **JORGE CONTRERAS** **RCRA NonGen / NLR** **1027215377**
ESE **11203 VIA MADONNA** **CAC003180076**
1/8-1/4 **SANTEE, CA 92071**
0.187 mi.
985 ft. **Site 2 of 2 in cluster K**

Relative: **Higher**

Actual: **389 ft.**

RCRA Listings:

Date Form Received by Agency:		20220609
Handler Name:	JORGE CONTRERAS	
Handler Address:		11203 VIA MADONNA
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAC003180076
Contact Name:		JORGE CONTRERAS
Contact Address:		11203 VIA MADONNA
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-751-5736
Contact Fax:		Not reported
Contact Email:		JSARDO@HSABATEMENT.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11203 VIA MADONNA
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	JORGE CONTRERAS	
Owner Type:		Other
Operator Name:	JORGE CONTRERAS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

JORGE CONTRERAS (Continued) **1027215377**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220609
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JORGE CONTRERAS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

JORGE CONTRERAS (Continued) **1027215377**

Owner/Operator Address:	11203 VIA MADONNA
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-751-5736
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: JORGE CONTRERAS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11203 VIA MADONNA
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-751-5736
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220609
Handler Name: JORGE CONTRERAS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

N71 **HYDRAULIC ELECTRIC COMPONENT SUPPLY INC** **CERS HAZ WASTE** **S123498932**
SSW **9316 WHEATLANDS RD SUITES A&B** **CERS** **N/A**
1/8-1/4 **SANTEE, CA 92071**
0.192 mi.
1012 ft. **Site 1 of 3 in cluster N**

Relative:
Higher

Actual:
360 ft.

CERS HAZ WASTE:

Name:	HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Address:	9316 WHEATLANDS RD SUITES A&B
City,State,Zip:	SANTEE, CA 92071
Site ID:	106953
CERS ID:	10377214

HYDRAULIC ELECTRIC COMPONENT SUPPLY INC (Continued) **S123498932**

CERS Description: Hazardous Waste Generator

CERS:
Name: HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Address: 9316 WHEATLANDS RD SUITES A&B
City,State,Zip: SANTEE, CA 92071
Site ID: 106953
CERS ID: 10377214
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 106953
Site Name: HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Violation Date: 02-26-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 02/26/2016. Inspection Sequence ID:5427192
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 106953
Site Name: HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Violation Date: 02-26-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/26/2016. Inspection Sequence ID:5427192;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 106953
Site Name: HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Violation Date: 02-26-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 02/26/2016. Inspection Sequence ID:5427192
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 106953
Site Name: HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Violation Date: 12-14-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training

HYDRAULIC ELECTRIC COMPONENT SUPPLY INC (Continued) **S123498932**

	records for a minimum of three years.
Violation Notes:	Returned to compliance on 01/20/2020. Inspection Sequence ID:5856212
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	106953
Site Name:	HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Violation Date:	01-15-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/15/2020. Inspection Sequence ID:6334243
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	106953
Site Name:	HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Violation Date:	02-26-2016
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/26/2016. Inspection Sequence ID:5427192
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	106953
Site Name:	HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Violation Date:	02-26-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 02/26/2016. Inspection Sequence ID:5427192
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	106953
Site Name:	HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Violation Date:	02-26-2016
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 02/26/2016. Inspection Sequence ID:5427192
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

HYDRAULIC ELECTRIC COMPONENT SUPPLY INC (Continued) **S123498932**

Site ID: 106953
Site Name: HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Violation Date: 02-26-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 02/26/2016. Inspection Sequence ID:5427192
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 106953
Site Name: HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Violation Date: 01-15-2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 01/20/2020. Inspection Sequence ID:6334243
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 106953
Site Name: HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Violation Date: 02-26-2016
Citation: HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1
Violation Description: Failure to obtain and/or maintain an active hazardous waste generator permit.
Violation Notes: Returned to compliance on 02/26/2016. Inspection Sequence ID:5427192
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6334243
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5427192
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

HYDRAULIC ELECTRIC COMPONENT SUPPLY INC (Continued) **S123498932**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5427192
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-28-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Preece Sharon Inspection ID:4110285
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5856212
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6334243
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5856212
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Raymond Sanchez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation

HYDRAULIC ELECTRIC COMPONENT SUPPLY INC (Continued) **S123498932**

Entity Name:	HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Raymond Sanchez
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 258-7377,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Raymond Sanchez
Entity Title:	Not reported
Affiliation Address:	9316 WHEATLANDS ROAD SUITE A&B
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	9316 WHEATLANDS ROAD SUITE A&B
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071

HYDRAULIC ELECTRIC COMPONENT SUPPLY INC (Continued) **S123498932**

Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Hydraulic Electric Component Supply, Inc.
Entity Title: Not reported
Affiliation Address: 9316 WHEATLANDS ROAD A&B
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (619) 258-7377,

L72 **STRATEDGE CORPORATION** **San Diego Co. HMMD** **S113155444**
West **9424 ABRAHAM WAY** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SANTEE, CA 92071** **HAZNET**
0.195 mi. **CERS**
1027 ft. **Site 4 of 10 in cluster L** **HWTS**

Relative: **Lower**

Actual: **353 ft.**

HMMD SAN DIEGO:
Name: STRATEDGE CORPORATION
Address: 9424 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAR000285569
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 858-569-5000
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 10/20/2021
Facility Owner: Not reported
Facility Mailing Address: 9424 ABRAHAM WAY, SANTEE, CA 92071
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-209130
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6473669
Return To Compliance Date: 2021-07-06T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Last Update:	2021-10-20T01:36:03.000
Inspection Date:	2021-06-11T00:00:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)
Record ID:	DEH2008-HUPFP-209130
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209130
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4110299
Return To Compliance Date:	2015-04-01T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-20T01:36:03.000
Inspection Date:	2015-03-30T00:00:00.000
Violation Code:	1010003 Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page; 19 CCR 4 2729.2(a)(1).
Record ID:	DEH2008-HUPFP-209130
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209130
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6473669
Return To Compliance Date:	2021-07-06T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-20T01:36:03.000
Inspection Date:	2021-06-11T00:00:00.000
Violation Code:	3030036 Failed to maintain adequate aisle space. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(4), 265.35
Record ID:	DEH2008-HUPFP-209130
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209130
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6473669
Return To Compliance Date:	2021-06-30T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-20T01:36:03.000
Inspection Date:	2021-06-11T00:00:00.000
Violation Code:	3040004 Failed to manage universal waste in a manner to prevent release(s) to the environment. 22 CCR 66273.33; 66273.33.5

STRATEDGE CORPORATION (Continued) **S113155444**

Record ID:	DEH2008-HUPFP-209130
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209130
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4110299
Return To Compliance Date:	2015-04-01T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-20T01:36:03.000
Inspection Date:	2015-03-30T00:00:00.000
Violation Code:	1010008 Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. For facilities with invenntory that exceed EPCRA thresholds; failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages HSC 6.95 25508.2 / 19 CCR 4 2729.5(c)

Record ID:	DEH2008-HUPFP-209130
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209130
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Initial Inspection
Inspection Number:	6001150
Return To Compliance Date:	2018-07-18T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-20T01:36:03.000
Inspection Date:	2018-07-06T17:58:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID:	DEH2008-HUPFP-209130
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209130
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6473669
Return To Compliance Date:	2021-07-02T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-20T01:36:03.000
Inspection Date:	2021-06-11T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

STRATEDGE CORPORATION (Continued) **S113155444**

Record ID:	DEH2008-HUPFP-209130
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209130
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6473669
Return To Compliance Date:	2021-07-07T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-20T01:36:03.000
Inspection Date:	2021-06-11T00:00:00.000
Violation Code:	1010008 HMBP not certified as complete and accurate in CERS by the required due date. HSC 25508.2, 19 CCR 2654(b)

Record ID:	DEH2008-HUPFP-209130
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209130
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4110299
Return To Compliance Date:	2015-04-01T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-20T01:36:03.000
Inspection Date:	2015-03-30T00:00:00.000
Violation Code:	1010002 Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet; HSC 6.95 25508(a)1A

Record ID:	DEH2008-HUPFP-209130
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209130
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6473669
Return To Compliance Date:	2021-07-06T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-20T01:36:03.000
Inspection Date:	2021-06-11T00:00:00.000
Violation Code:	3030007 Failed to properly label/date hazardous waste container &/or tank. 22 CCR 66262.34(f)

Waste and Materials:

Record ID:	DEH2008-HUPFP-209130
Permit Status:	Permit Renewed
Active Permit:	Y

STRATEDGE CORPORATION (Continued) **S113155444**

Child Record Id: DEH2021-HCHEM-0310656
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Three % of Hydrogen in Nigrogen
Common Name: Forming Gas
Case Number: MIX

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0310657
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Carbon Dioxide, Liquid
Common Name: Carbon Dioxide
Case Number: 124-38-9

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0310658
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Hydrochloric Acid
Common Name: Descaling Solution
Case Number: 7647-01-0

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0310660
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Nitrogen, Liquid
Common Name: Nitrogen, Liquid
Case Number: 7727-37-9

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0310662
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Hydrogen
Common Name: Hydrogen Gas
Case Number: 1333-74-0

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0278671
Trade Secret: N

STRATEDGE CORPORATION (Continued) **S113155444**

Hazardous Material Type: Not reported
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Non-RCRA Red Dye Waste
Common Name: Non-RCRA Red Dye Waste
Case Number: Not reported

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0278672
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Methanol / Naptha Waste
Common Name: Methanol / Naptha Waste
Case Number: Not reported

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0278673
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Waste Hydrochloric Acid
Common Name: Waste Mixed Acid
Case Number: Not reported

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0278674
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Nickel(iii) Chloride, Hexahydrate
Common Name: Electroless Ni Plating Waste
Case Number: Not reported

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0278675
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Ferrate(3-), hexakis(cyano-.kappa.C)-, (OC-6-11)-
Common Name: Ferricyanide Waste
Case Number: Not reported

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0278676
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-20T01:36:03.000

STRATEDGE CORPORATION (Continued) **S113155444**

Chemical Name: Tungsten
Common Name: Paste Jars
Case Number: Not reported

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0310659
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Nitrogen
Common Name: Forming Gas (3% H2 in N2
Case Number: 7727-37-9

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0310661
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-20T01:36:03.000
Chemical Name: Nitrogen
Common Name: Nitrogen Gas
Case Number: 7727-37-9

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193532
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T00:38:49.000
Chemical Name: Three % of Hydrogen in Nigrogen
Common Name: Forming Gas
Case Number: MIX

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193533
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-03-20T00:38:49.000
Chemical Name: Nitrogen, Liquid
Common Name: Nitrogen, Liquid
Case Number: 7727-37-9

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193534
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-03-20T00:38:49.000
Chemical Name: Hydrogen
Common Name: Hydrogen Gas

STRATEDGE CORPORATION (Continued) **S113155444**

Case Number: 1333-74-0

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0167244
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-20T00:38:50.000
Chemical Name: Non-RCRA Red Dye Waste
Common Name: Non-RCRA Red Dye Waste
Case Number: Not reported

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0167245
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-20T00:38:50.000
Chemical Name: Methanol / Naptha Waste
Common Name: Methanol / Naptha Waste
Case Number: Not reported

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0225212
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-09-14T02:40:26.000
Chemical Name: Three % of Hydrogen in Nigrogen
Common Name: Forming Gas
Case Number: MIX

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0225213
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-14T02:40:26.000
Chemical Name: Waste Hydrochloric Acid
Common Name: Waste Hydrochloric Acid
Case Number: 7647-01-0

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0225214
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-14T02:40:26.000
Chemical Name: Nitrogen, Liquid
Common Name: Nitrogen, Liquid
Case Number: 7727-37-9

STRATEDGE CORPORATION (Continued) **S113155444**

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0225215
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-14T02:40:26.000
Chemical Name: Hydrochloric Acid
Common Name: Hydrochloric Acid
Case Number: 7647-01-0

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0225216
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-14T02:40:26.000
Chemical Name: Hydrogen
Common Name: Hydrogen Gas
Case Number: 1333-74-0

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0195122
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-14T02:40:26.000
Chemical Name: Non-RCRA Red Dye Waste
Common Name: Non-RCRA Red Dye Waste
Case Number: Not reported

Record ID: DEH2008-HUPFP-209130
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0195123
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-14T02:40:26.000
Chemical Name: Methanol / Naptha Waste
Common Name: Methanol / Naptha Waste
Case Number: Not reported

CERS HAZ WASTE:
Name: STRATEDGE CORPORATION
Address: 9424 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071
Site ID: 435740
CERS ID: 10377220
CERS Description: Hazardous Waste Generator

Name: STRATEDGE CORPORATION
Address: 9424 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071
Site ID: 435740

STRATEDGE CORPORATION (Continued) **S113155444**

CERS ID: 10377220
CERS Description: RCRA LQ HW Generator

HAZNET:
Name: JERAMES TOOL & MFG
Address: 9424 ABRAHAM WAY
Address 2: Not reported
City,State,Zip: SANTEE, CA 920715640
Contact: BRANDON GAY
Telephone: 6194481220
Mailing Name: Not reported
Mailing Address: 9424 ABRAHAM WAY

Year: 2016
Gepaid: CAL000340945
TSD EPA ID: CAT000613976
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.10842

Year: 2016
Gepaid: CAL000340945
TSD EPA ID: CAD044429835
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.5846

Year: 2015
Gepaid: CAL000340945
TSD EPA ID: CAT000613976
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.20433

Year: 2015
Gepaid: CAL000340945
TSD EPA ID: CAD044429835
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125

Year: 2015
Gepaid: CAL000340945
TSD EPA ID: CAT000613976
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.21

Year: 2015
Gepaid: CAL000340945
TSD EPA ID: CAD044429835

STRATEDGE CORPORATION (Continued) **S113155444**

CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.3761

Year: 2015
Gepaid: CAL000340945
TSD EPA ID: CAD004429835
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.919

Year: 2015
Gepaid: CAL000340945
TSD EPA ID: CAD044429835
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1

Year: 2014
Gepaid: CAL000340945
TSD EPA ID: CAD044429835
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.17514

Year: 2014
Gepaid: CAL000340945
TSD EPA ID: CAT000613976
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.09174

Click this hyperlink while viewing on your computer to access
27 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2016
Gen EPA ID: CAL000340945

Shipment Date: 20151030
Creation Date: 5/4/2016 22:15:42
Receipt Date: 20151104
Manifest ID: 005058875SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613976
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150930
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151020
Manifest ID:	005034080SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150930
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151020
Manifest ID:	005034080SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P

STRATEDGE CORPORATION (Continued) **S113155444**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150914
Creation Date:	11/4/2015 22:15:42
Receipt Date:	20150924
Manifest ID:	004828165SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.3761
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150811
Creation Date:	2/4/2016 22:15:54
Receipt Date:	20150817
Manifest ID:	004828370SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150811

STRATEDGE CORPORATION (Continued) **S113155444**

Creation Date:	2/4/2016 22:15:54
Receipt Date:	20150817
Manifest ID:	004828400SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150526
Creation Date:	11/5/2015 22:15:08
Receipt Date:	20150601
Manifest ID:	004926063SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150526
Creation Date:	11/5/2015 22:15:08
Receipt Date:	20150601
Manifest ID:	004926063SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150304
Creation Date:	7/23/2015 22:15:32
Receipt Date:	20150309
Manifest ID:	004640623SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150304
Creation Date:	7/23/2015 22:15:32
Receipt Date:	20150309
Manifest ID:	004640623SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

STRATEDGE CORPORATION (Continued) **S113155444**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000340945
Shipment Date:	20151030
Creation Date:	5/4/2016 22:15:42
Receipt Date:	20151104
Manifest ID:	005058875SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150930
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151020
Manifest ID:	005034080SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250

STRATEDGE CORPORATION (Continued) **S113155444**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150930
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151020
Manifest ID:	005034080SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150914
Creation Date:	11/4/2015 22:15:42
Receipt Date:	20150924
Manifest ID:	004828165SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.3761
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Shipment Date:	20150811
Creation Date:	2/4/2016 22:15:54
Receipt Date:	20150817
Manifest ID:	004828370SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150811
Creation Date:	2/4/2016 22:15:54
Receipt Date:	20150817
Manifest ID:	004828400SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150526
Creation Date:	11/5/2015 22:15:08
Receipt Date:	20150601
Manifest ID:	004926063SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150526
Creation Date:	11/5/2015 22:15:08
Receipt Date:	20150601
Manifest ID:	004926063SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150304
Creation Date:	7/23/2015 22:15:32
Receipt Date:	20150309
Manifest ID:	004640623SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150304
Creation Date:	7/23/2015 22:15:32
Receipt Date:	20150309
Manifest ID:	004640623SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000340945
Shipment Date:	20141215
Creation Date:	5/7/2015 22:15:07
Receipt Date:	20141218
Manifest ID:	004600690SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0417

STRATEDGE CORPORATION (Continued) **S113155444**

Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141215
Creation Date:	5/7/2015 22:15:07
Receipt Date:	20141218
Manifest ID:	004600690SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141119
Creation Date:	2/6/2015 22:15:22
Receipt Date:	20141121
Manifest ID:	004553780SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.5012
Waste Quantity:	360
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Shipment Date:	20140926
Creation Date:	2/13/2015 22:15:17
Receipt Date:	20141002
Manifest ID:	004545850SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140926
Creation Date:	2/13/2015 22:15:17
Receipt Date:	20141002
Manifest ID:	004545851SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0756
Waste Quantity:	18
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140703
Creation Date:	9/22/2014 22:15:10
Receipt Date:	20140723
Manifest ID:	004308186SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250

STRATEDGE CORPORATION (Continued) **S113155444**

Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140703
Creation Date:	11/6/2014 22:14:59
Receipt Date:	20140710
Manifest ID:	004308185SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140617
Creation Date:	9/30/2014 22:15:02
Receipt Date:	20140617
Manifest ID:	004282307SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.251
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140418
Creation Date:	9/9/2014 22:15:12
Receipt Date:	20140424
Manifest ID:	004300449SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0672
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140418
Creation Date:	7/11/2014 22:15:15
Receipt Date:	20140507
Manifest ID:	004300450SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000340945
Shipment Date:	20131024
Creation Date:	3/7/2014 22:15:07
Receipt Date:	20131028
Manifest ID:	003747495SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131024
Creation Date:	3/7/2014 22:15:07
Receipt Date:	20131028
Manifest ID:	003747495SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Shipment Date:	20130730
Creation Date:	11/27/2013 22:15:18
Receipt Date:	20130801
Manifest ID:	003704373SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130730
Creation Date:	11/27/2013 22:15:18
Receipt Date:	20130801
Manifest ID:	003704373SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130508
Creation Date:	9/17/2013 22:15:12
Receipt Date:	20130515
Manifest ID:	003094962SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code: D039
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.05838
Waste Quantity: 14
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130508
Creation Date: 9/17/2013 22:15:12
Receipt Date: 20130513
Manifest ID: 003094963SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613976
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0756
Waste Quantity: 18
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130222
Creation Date: 7/6/2013 22:15:13
Receipt Date: 20130228
Manifest ID: 003380313SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code: D039

STRATEDGE CORPORATION (Continued) **S113155444**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130222
Creation Date:	7/25/2013 9:05:24
Receipt Date:	20130226
Manifest ID:	003380314SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0756
Waste Quantity:	18
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130104
Creation Date:	5/8/2013 22:15:17
Receipt Date:	20130110
Manifest ID:	003559657SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000340945
Shipment Date:	20121214
Creation Date:	4/21/2013 22:15:04
Receipt Date:	20121220
Manifest ID:	003455176SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0756
Waste Quantity:	18
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121214
Creation Date:	4/21/2013 22:15:04
Receipt Date:	20121220
Manifest ID:	003455176SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Shipment Date:	20121129
Creation Date:	2/15/2013 22:15:22
Receipt Date:	20121204
Manifest ID:	003203870SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120926
Creation Date:	8/17/2013 22:15:07
Receipt Date:	20121001
Manifest ID:	003075575SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120926
Creation Date:	8/17/2013 22:15:07
Receipt Date:	20121001
Manifest ID:	003075575SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS
Trans 2 EPA ID:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0672
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120629
Creation Date:	10/15/2012 22:15:12
Receipt Date:	20120703
Manifest ID:	002882329SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120412
Creation Date:	10/19/2012 22:15:10
Receipt Date:	20120417
Manifest ID:	002751909SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039

STRATEDGE CORPORATION (Continued) **S113155444**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120412
Creation Date:	10/19/2012 22:15:10
Receipt Date:	20120417
Manifest ID:	002751909SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120221
Creation Date:	4/20/2012 20:30:44
Receipt Date:	20120222
Manifest ID:	002882333SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.155
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120127
Creation Date:	6/27/2012 20:30:08
Receipt Date:	20120131
Manifest ID:	002778813SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2352
Waste Quantity:	56
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000340945
Shipment Date:	20111107
Creation Date:	4/11/2012 20:30:30
Receipt Date:	20111110
Manifest ID:	002915248SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Shipment Date:	20111107
Creation Date:	4/11/2012 20:30:30
Receipt Date:	20111110
Manifest ID:	002915248SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2436
Waste Quantity:	58
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110902
Creation Date:	12/9/2011 18:30:13
Receipt Date:	20110906
Manifest ID:	003764583FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.155
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110826
Creation Date:	2/11/2012 20:30:14
Receipt Date:	20110830
Manifest ID:	002882097SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110826
Creation Date:	2/11/2012 20:30:14
Receipt Date:	20110830
Manifest ID:	002882097SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110603
Creation Date:	10/22/2011 18:30:13
Receipt Date:	20110607
Manifest ID:	003607518FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	- Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110603
Creation Date:	11/12/2011 18:30:22
Receipt Date:	20110608
Manifest ID:	003607517FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2436
Waste Quantity:	58
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110228
Creation Date:	7/14/2011 18:30:40
Receipt Date:	20110304
Manifest ID:	003591996FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.189
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Additional Code 5:	Not reported
Shipment Date:	20110228
Creation Date:	7/5/2011 18:30:12
Receipt Date:	20110303
Manifest ID:	003591997FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110114
Creation Date:	3/30/2011 18:30:29
Receipt Date:	20110120
Manifest ID:	003714341FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	4.2
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000340945
Shipment Date:	20101209
Creation Date:	5/24/2011 18:30:12

STRATEDGE CORPORATION (Continued) **S113155444**

Receipt Date:	20101214
Manifest ID:	003679401FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101209
Creation Date:	5/20/2011 18:30:13
Receipt Date:	20101215
Manifest ID:	003679393FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1974
Waste Quantity:	47
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100820
Creation Date:	9/23/2011 14:01:50
Receipt Date:	20100831
Manifest ID:	003336705FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA

STRATEDGE CORPORATION (Continued) **S113155444**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100813
Creation Date:	9/23/2011 14:01:34
Receipt Date:	20100818
Manifest ID:	003336528FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100720
Creation Date:	9/23/2011 14:01:16
Receipt Date:	20100723
Manifest ID:	002434804SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084

STRATEDGE CORPORATION (Continued) **S113155444**

Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100628
Creation Date:	9/23/2011 14:00:38
Receipt Date:	20100702
Manifest ID:	003320307FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.105
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100628
Creation Date:	9/23/2011 14:00:57
Receipt Date:	20100701
Manifest ID:	003320319FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Shipment Date:	20100618
Creation Date:	9/23/2011 14:00:20
Receipt Date:	20100619
Manifest ID:	002281560SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.31
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100324
Creation Date:	9/23/2011 13:59:58
Receipt Date:	20100402
Manifest ID:	002471391SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100311
Creation Date:	9/14/2010 10:45:34
Receipt Date:	20100315
Manifest ID:	002281559SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

TSDF EPA ID: CAT080013352
Trans Name: DEMENNO / KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 1.386
Waste Quantity: 330
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2009
Gen EPA ID: CAL000340945

Shipment Date: 20091124
Creation Date: 9/14/2010 10:35:48
Receipt Date: 20091202
Manifest ID: 000289677CEX
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.1428
Waste Quantity: 34
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20091124
Creation Date: 9/14/2010 10:37:53
Receipt Date: 20091201
Manifest ID: 000289678CEX
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613976
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091118
Creation Date:	9/14/2010 10:45:06
Receipt Date:	20091208
Manifest ID:	002160518SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2375
Waste Quantity:	475
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	D005
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091005
Creation Date:	9/14/2010 10:44:43
Receipt Date:	20091006
Manifest ID:	002007828SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.155
Waste Quantity:	275

STRATEDGE CORPORATION (Continued) **S113155444**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090902
Creation Date:	9/14/2010 10:44:24
Receipt Date:	20090904
Manifest ID:	001979960SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.11676
Waste Quantity:	28
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090902
Creation Date:	9/14/2010 10:44:06
Receipt Date:	20090908
Manifest ID:	001979959SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Shipment Date:	20090430
Creation Date:	9/14/2010 10:43:37
Receipt Date:	20090506
Manifest ID:	001908764SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090429
Creation Date:	9/14/2010 10:42:47
Receipt Date:	20090429
Manifest ID:	001738040SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.47
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090402
Creation Date:	9/14/2010 10:42:06
Receipt Date:	20090408
Manifest ID:	001673657SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.105
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090402
Creation Date:	9/14/2010 10:39:23
Receipt Date:	20090414
Manifest ID:	001044732SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	STRATEDGE CORPORATION
Address:	9424 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Site ID:	435740
CERS ID:	10377220
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	435740
Site Name:	StratEdge Corporation
Violation Date:	06-11-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

STRATEDGE CORPORATION (Continued) **S113155444**

Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 07/06/2021. Inspection Sequence ID:6473669
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	435740
Site Name:	StratEdge Corporation
Violation Date:	03-30-2015
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 04/01/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	435740
Site Name:	StratEdge Corporation
Violation Date:	03-30-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 04/01/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	435740
Site Name:	StratEdge Corporation
Violation Date:	06-11-2021
Citation:	22 CCR 23 66273.33.5 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.33.5
Violation Description:	Failure of the universal waste handler of electronic devices, CRTs, and CRT glass to prevent the release of the universal waste to the environment under reasonable conditions by the following methods: 1) Immediately clean spills and leaks of universal wastes; and 2) Place all universal waste spills and leaks in containers that are structurally sound and compatible with the universal waste."
Violation Notes:	Returned to compliance on 06/30/2021. Inspection Sequence ID:6473669
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	435740
Site Name:	StratEdge Corporation
Violation Date:	03-30-2015
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable

STRATEDGE CORPORATION (Continued) **S113155444**

	quantities.
Violation Notes:	Returned to compliance on 04/01/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	435740
Site Name:	StratEdge Corporation
Violation Date:	06-11-2021
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 07/02/2021. Inspection Sequence ID:6473669
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	435740
Site Name:	StratEdge Corporation
Violation Date:	06-11-2021
Citation:	40 CFR 1 265.35 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.35
Violation Description:	Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.
Violation Notes:	Returned to compliance on 07/06/2021. Inspection Sequence ID:6473669
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	435740
Site Name:	StratEdge Corporation
Violation Date:	06-11-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 07/06/2021. Inspection Sequence ID:6473669
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	435740
Site Name:	StratEdge Corporation
Violation Date:	07-06-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 07/18/2018. Inspection Sequence ID:6001150

STRATEDGE CORPORATION (Continued) **S113155444**

Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 435740
Site Name: StratEdge Corporation
Violation Date: 06-11-2021
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 07/07/2021. Inspection Sequence ID:6473669
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-11-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6473669
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6001150
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4110299
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-11-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6473669
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2018
Violations Found: Yes

STRATEDGE CORPORATION (Continued) **S113155444**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6001150
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4110299
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 435740
Facility Name: StratEdge Corporation
Env Int Type Code: HWG
Program ID: 10377220
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.847440
Longitude: -116.964330

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Jerry Carter
Entity Title: Sr. Product Application Engineer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: STRATEDGE CORPORATION
Entity Title: Not reported
Affiliation Address: 9424 ABRAHAM WAY
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (858) 569-5000,

Affiliation Type Desc: Property Owner
Entity Name: Machael Stoff
Entity Title: Not reported
Affiliation Address: 6749 Top Gun Street, Suite 104
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92121
Affiliation Phone: (858) 735-5787,

STRATEDGE CORPORATION (Continued) **S113155444**

Affiliation Type Desc:	Operator
Entity Name:	STRATEDGE CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 569-5000,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	9424 Abraham Way
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	Document Preparer
Entity Name:	Jerry Carter
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Jerry Carter
Entity Title:	Not reported
Affiliation Address:	9424 ABRAHAM WAY
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	9424 Abraham Way
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

STRATEDGE CORPORATION (Continued) **S113155444**

Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: JERAMES TOOL & MFG
Address: 9424 ABRAHAM WAY
Address 2: Not reported
City,State,Zip: SANTEE, CA 92071
EPA ID: CAL000340945
Inactive Date: 07/21/2017
Create Date: 02/27/2009
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 460 CYPRESS LN STE F
Mailing Address 2: Not reported
Mailing City,State,Zip: EL CAJON, CA 920201647
Owner Name: GARY SANCHEZ
Owner Address: 460 CYPRESS LN STE F
Owner Address 2: Not reported
Owner City,State,Zip: EL CAJON, CA 920201647
Contact Name: LYNN SANCHEZ
Contact Address: 460 CYPRESS LN STE F
Contact Address 2: Not reported
City,State,Zip: EL CAJON, CA 92020
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 32.847352
Longitude: -116.964

NAICS:
EPA ID: CAL000340945
Create Date: 2011-04-05 10:18:11.997
NAICS Code: 336399
NAICS Description: All Other Motor Vehicle Parts Manufacturing
Issued EPA ID Date: 2009-02-27 14:01:43.30000
Inactive Date: 2017-07-21 00:00:00
Facility Name: JERAMES TOOL & MFG
Facility Address: 9424 ABRAHAM WAY
Facility Address 2: Not reported
Facility City: SANTEE
Facility County: Not reported
Facility State: CA
Facility Zip: 920715640

L73 **STRATEDGE** **RCRA-SQG** **1024877046**
West **9424 ABRAHAM WAY** **CAR000285569**
1/8-1/4 **SANTEE, CA 92071**
0.195 mi.
1027 ft. **Site 5 of 10 in cluster L**

Relative: **Lower**
Actual: **353 ft.**

RCRA Listings:
Date Form Received by Agency: 20180713
Handler Name: STRATEDGE
Handler Address: 9424 ABRAHAM WAY
Handler City,State,Zip: SANTEE, CA 92071

STRATEDGE (Continued) **1024877046**

EPA ID:		CAR000285569
Contact Name:		JERRY L CARTER
Contact Address:		ABRAHAM WAY
Contact City,State,Zip:		SANTEESANTEE, CA 92071
Contact Telephone:		858-569-5000 100
Contact Fax:		858-569-5000
Contact Email:		J.CARTER@STRATEDGE.COM
Contact Title:		SR. PRODUCT APPLICATION ENGINEER
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		ABRAHAM WAY
Mailing City,State,Zip:		SANTEESANTEE, CA 92071
Owner Name:	MACHAEL STOFF	
Owner Type:		Private
Operator Name:	STRATEDGE CORPORATION	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No

STRATEDGE (Continued) **1024877046**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180713
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: STRATEDGE CORPORATION	
Legal Status:	Private
Date Became Current:	20180107
Date Ended Current:	Not reported
Owner/Operator Address:	9424 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	858-569-5000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	858-569-5000
Owner/Operator Email:	T.GOING@STRATEDGE.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name: MACHAEL STOFF	
Legal Status:	Private
Date Became Current:	19900801
Date Ended Current:	Not reported
Owner/Operator Address:	6749 TOP GUN STREET, SUITE 104
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121

STRATEDGE (Continued) **1024877046**

Owner/Operator Telephone: 858-550-3444
Owner/Operator Telephone Ext: 303
Owner/Operator Fax: 858-550-3440
Owner/Operator Email: MICHAEL@NOVIPROPERTY.COM

Historic Generators:
Receive Date: 20180713
Handler Name: STRATEDGE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 334419
NAICS Description: OTHER ELECTRONIC COMPONENT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L74 **AYMAR INDUSTRIES, LLC.** **San Diego Co. HMMD** **S106879551**
West **9434 ABRAHAM WAY** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SANTEE, CA 92071** **NPDES**
0.195 mi. **CIWQS**
1028 ft. **Site 6 of 10 in cluster L** **CERS**
HWTS

Relative:
Lower

Actual:
353 ft.

HMMD SAN DIEGO:
Name: AYMAR INDUSTRIES, LLC.
Address: 9434 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000422384
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-954-9722
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 01/20/2022
Facility Owner: Not reported
Facility Mailing Address: 9434 ABRAHAM WAY, SANTEE, CA 92071
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-203985
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 4180668
Return To Compliance Date: 2015-03-26T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-01-20T01:15:36.000
Inspection Date: 2015-02-11T00:00:00.000
Violation Code: 1010002 Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet; HSC 6.95 25508(a)1A

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-203985
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6806227
Return To Compliance Date: Not reported
Nov: Not reported
Violation Classification: Not reported
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-01-20T01:15:36.000
Inspection Date: 2021-11-16T00:00:00.000
Violation Code: HMD0000 HAZARDOUS MATERIALS REQUIREMENTS

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-203985
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5604992
Return To Compliance Date: 2016-12-02T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-01-20T01:15:36.000
Inspection Date: 2016-11-09T17:12:00.000
Violation Code: 1020002 Initial and/or annual employee training not conducted for

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203985
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6038934
Return To Compliance Date:	2018-11-14T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-20T01:15:36.000
Inspection Date:	2018-11-06T08:34:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203985
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6806227
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-20T01:15:36.000
Inspection Date:	2021-11-16T00:00:00.000
Violation Code:	HMD0001 RECORD KEEPING/OPERATIONAL REQUIREMENTS

Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203985
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5604992
Return To Compliance Date:	2016-12-02T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-20T01:15:36.000
Inspection Date:	2016-11-09T17:12:00.000
Violation Code:	3010002 Failed to obtain and/or maintain an active EPA ID. 22 CCR 66262.12

Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Active Permit:	Y
Facility Id Number:	37-000-203985
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6038934
Return To Compliance Date:	2019-02-01T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-20T01:15:36.000
Inspection Date:	2018-11-06T08:34:00.000
Violation Code:	3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)

Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203985
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6806227
Return To Compliance Date:	2021-12-13T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-20T01:15:36.000
Inspection Date:	2021-11-16T00:00:00.000
Violation Code:	3010010 Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)

Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203985
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4180668
Return To Compliance Date:	2015-03-26T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-20T01:15:36.000
Inspection Date:	2015-02-11T00:00:00.000
Violation Code:	1010008 Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. For facilities with invenntory that exceed EPCRA thresholds; failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages HSC 6.95 25508.2 / 19 CCR 4 2729.5(c)

Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203985

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5604992
Return To Compliance Date:	2017-01-23T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-20T01:15:36.000
Inspection Date:	2016-11-09T17:12:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2

Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203985
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6806227
Return To Compliance Date:	2021-12-13T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-20T01:15:36.000
Inspection Date:	2021-11-16T00:00:00.000
Violation Code:	1010002 HMBP not submitted in CERS within the required timeframe. HSC 25508(a)(1); 27 CCR 15188(a),(b),(d)

Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203985
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6806227
Return To Compliance Date:	2021-12-13T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-20T01:15:36.000
Inspection Date:	2021-11-16T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203985
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6806227
Return To Compliance Date:	Not reported

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Nov: Not reported
Violation Classification: Not reported
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-01-20T01:15:36.000
Inspection Date: 2021-11-16T00:00:00.000
Violation Code: HMD0000 HAZARDOUS WASTE REQUIREMENTS FOR SQGS AND LQGS

Waste and Materials:

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0171863
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-11T02:34:16.000
Chemical Name: Motor Oil
Common Name: Motor Oil
Case Number: Not reported

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0199262
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-11T02:34:16.000
Chemical Name: ARGON GAS
Common Name: ARGON GAS
Case Number: 7440-37-1

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0199263
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-11T02:34:16.000
Chemical Name: Propane
Common Name: Propane
Case Number: 74-98-6

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0199264
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-11T02:34:16.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: 107-21-1

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0254067

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-11-18T03:32:34.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: 107-21-1

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0254068
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-11-18T03:32:34.000
Chemical Name: Propane
Common Name: Propane
Case Number: 74-98-6

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223865
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-11-18T03:32:34.000
Chemical Name: Motor Oil
Common Name: Motor Oil
Case Number: Not reported

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316645
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-20T01:15:36.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: 107-21-1

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316646
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-20T01:15:36.000
Chemical Name: Lubricating oils, used
Common Name: Used lubricating oils
Case Number: 70514-12-4

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316647
Trade Secret: N
Hazardous Material Type: Pure

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Last Updated: 2022-01-20T01:15:36.000
Chemical Name: Propane
Common Name: Propane
Case Number: 74-98-6

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316648
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-20T01:15:36.000
Chemical Name: Argon Compressed
Common Name: Argon Compressed
Case Number: 7440-37-1

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283366
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-20T01:15:36.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Not reported

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198310
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T01:16:48.000
Chemical Name: ARGON GAS
Common Name: ARGON GAS
Case Number: 7440-37-1

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170875
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T01:16:48.000
Chemical Name: Not reported
Common Name: Motor Oil
Case Number: Not reported

Record ID: DEH2004-HUPFP-203985
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0127868
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-11-28T02:34:08.000
Chemical Name: ARGON GAS

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Common Name:	ARGON GAS
Case Number:	7440-37-1
Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106793
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-11-28T02:34:08.000
Chemical Name:	Waste oil
Common Name:	Waste oil
Case Number:	Not reported
Record ID:	DEH2004-HUPFP-203985
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0254066
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-11-18T03:32:34.000
Chemical Name:	ARGON GAS
Common Name:	ARGON GAS
Case Number:	7440-37-1
Name:	AYMAR ENGINEERING
Address:	9434 ABRAHAM WY
City,State,Zip:	SANTEE, CA 92071
Permit Number:	203985
Business Type:	6HK35
EPA Id Number:	Not reported
APN:	381-640-08-00
Last HMMD Inspection:	07/26/2011
Facility Telephone:	619-562-1121
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	WAYNE AYMAR
Facility Mailing Address:	9434 ABRAHAM WY
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	203985
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON GAS
Other Information:	Not reported
Material Waste:	Material

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 203985
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 203985
Update Date: 11/02/2012
Inspection Date: 09/15/2009
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Name: AYMAR ENGINEERING
Address: 9434 ABRAHAM WY
City,State,Zip: SANTEE, CA 92071
Permit Number: 203985
Business Type: 6HK35
EPA Id Number: Not reported
APN: 381-640-08-00
Last HMMD Inspection: 07/26/2011
Facility Telephone: 619-562-1121
Permit Status: OPEN
Permit Expiration: 12/31/2012
Date Last Updated: 11/02/2012
Facility Owner: WAYNE AYMAR
Facility Mailing Address: 9434 ABRAHAM WY
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 203985
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Hazardous Categories 2: Not reported

Permit Number: 203985
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 203985
Update Date: 11/02/2012
Inspection Date: 09/15/2009
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

CERS HAZ WASTE:
Name: AYMAR INDUSTRIES, LLC.
Address: 9434 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071
Site ID: 96752
CERS ID: 10377085
CERS Description: Hazardous Waste Generator

NPDES:
Name: AYMAR ENGINEERING
Address: 9434 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 9 37NEC005997
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 02/03/2020

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Operator Name:	Aymar Engineering
Operator Address:	9434 Abraham Way
Operator City:	Santee
Operator State:	California
Operator Zip:	92071
Name:	AYMAR ENGINEERING
Address:	9434 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	Not reported
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Returned
Status Date:	11/28/2021
Operator Name:	Aymar Engineering
Operator Address:	9434 Abraham Way
Operator City:	Santee
Operator State:	California
Operator Zip:	92071
Name:	AYMAR ENGINEERING
Address:	9434 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Active
NPDES Number:	CAS000001
Region:	9
Agency Number:	0
Regulatory Measure ID:	516981
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	9 37NEC005997
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/03/2020
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	9434 Abraham Way
Discharge Name:	Aymar Engineering
Discharge City:	Santee
Discharge State:	California

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Discharge Zip:	92071
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

CIWQS:

Name:	AYMAR ENGINEERING
Address:	9434 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Agency:	Aymar Engineering
Agency Address:	9434 Abraham Way, Santee, CA 92071
Place/Project Type:	Industrial - Fabricated Metal Products, NEC
SIC/NAICS:	3499
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37NEC005997
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	02/03/2020
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.84775
Longitude:	-116.96432

CERS:

Name:	AYMAR INDUSTRIES, LLC.
Address:	9434 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Site ID:	96752
CERS ID:	10377085
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	96752
Site Name:	AYMAR INDUSTRIES, LLC.
Violation Date:	11-06-2018
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 02/01/2019. Inspection Sequence ID:6038934
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Violation Source: CERS,

Site ID: 96752
Site Name: AYMAR INDUSTRIES, LLC.
Violation Date: 11-16-2021
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/13/2021. Inspection Sequence ID:6806227
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 96752
Site Name: AYMAR INDUSTRIES, LLC.
Violation Date: 11-09-2016
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 12/02/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 96752
Site Name: AYMAR INDUSTRIES, LLC.
Violation Date: 11-16-2021
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/13/2021. Inspection Sequence ID:6806227
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 96752
Site Name: AYMAR INDUSTRIES, LLC.
Violation Date: 02-11-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/26/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 96752
Site Name: AYMAR INDUSTRIES, LLC.

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Violation Date:	11-09-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/23/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	96752
Site Name:	AYMAR INDUSTRIES, LLC.
Violation Date:	02-11-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 03/26/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	96752
Site Name:	AYMAR INDUSTRIES, LLC.
Violation Date:	11-06-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 11/14/2018. Inspection Sequence ID:6038934
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	96752
Site Name:	AYMAR INDUSTRIES, LLC.
Violation Date:	11-09-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 12/02/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	96752
Site Name:	AYMAR INDUSTRIES, LLC.
Violation Date:	11-16-2021
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violation Notes: Returned to compliance on 12/13/2021. Inspection Sequence ID:6806227
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4180668
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6038934
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-09-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5604992
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-09-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5604992
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4180668
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2018

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6038934
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-16-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6806227
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-16-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6806227
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	96752
Facility Name:	AYMAR INDUSTRIES, LLC.
Env Int Type Code:	HWG
Program ID:	10377085
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.847780
Longitude:	-116.964320

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	Andrew Deremer
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Brandon Aymar
Entity Title:	Not reported
Affiliation Address:	9434 ABRAHAM WAY
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Brandon Aymar
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 954-9722,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Aymar Industries, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	9434 ABRAHAM WAY
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	Owner/Operator
Entity Name:	Aymar Engineering
Entity Title:	Operator
Affiliation Address:	9434 Abraham Way
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Brandon Aymar
Entity Title:	Not reported
Affiliation Address:	9434 ABRAHAM WAY
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	United States

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Affiliation Zip: 92071
Affiliation Phone: (619) 954-9722,

Name: AYMAR INDUSTRIES, LLC.
Address: 9434 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071
Site ID: 96752
CERS ID: 878962
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 96752
Site Name: AYMAR INDUSTRIES, LLC.
Violation Date: 11-06-2018
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 02/01/2019. Inspection Sequence ID:6038934
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 96752
Site Name: AYMAR INDUSTRIES, LLC.
Violation Date: 11-16-2021
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/13/2021. Inspection Sequence ID:6806227
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 96752
Site Name: AYMAR INDUSTRIES, LLC.
Violation Date: 11-09-2016
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 12/02/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 96752
Site Name: AYMAR INDUSTRIES, LLC.
Violation Date: 11-16-2021
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

	hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 12/13/2021. Inspection Sequence ID:6806227
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	96752
Site Name:	AYMAR INDUSTRIES, LLC.
Violation Date:	02-11-2015
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/26/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	96752
Site Name:	AYMAR INDUSTRIES, LLC.
Violation Date:	11-09-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/23/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	96752
Site Name:	AYMAR INDUSTRIES, LLC.
Violation Date:	02-11-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 03/26/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	96752
Site Name:	AYMAR INDUSTRIES, LLC.
Violation Date:	11-06-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 11/14/2018. Inspection Sequence ID:6038934
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Violation Source: CERS,

Site ID: 96752
Site Name: AYMAR INDUSTRIES, LLC.
Violation Date: 11-09-2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/02/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 96752
Site Name: AYMAR INDUSTRIES, LLC.
Violation Date: 11-16-2021
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 12/13/2021. Inspection Sequence ID:6806227
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4180668
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6038934
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-09-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5604992
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-09-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5604992
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4180668
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6038934
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-16-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6806227
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-16-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6806227
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 96752
Facility Name: AYMAR INDUSTRIES, LLC.
Env Int Type Code: HWG
Program ID: 10377085
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.847780
Longitude: -116.964320

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Document Preparer
Entity Name:	Andrew Deremer
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Brandon Aymar
Entity Title:	Not reported
Affiliation Address:	9434 ABRAHAM WAY
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Brandon Aymar
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 954-9722,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Aymar Industries, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	9434 ABRAHAM WAY
Affiliation City:	SANTEE
Affiliation State:	CA

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Owner/Operator
Entity Name: Aymar Engineering
Entity Title: Operator
Affiliation Address: 9434 Abraham Way
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Brandon Aymar
Entity Title: Not reported
Affiliation Address: 9434 ABRAHAM WAY
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (619) 954-9722,

HWTS:
Name: AYMAR ENGINEERING
Address: 9434 ABRAHAM WAY
Address 2: Not reported
City,State,Zip: SANTEE, CA 92071
EPA ID: CAL000422384
Inactive Date: Not reported
Create Date: 11/18/2016
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 9434 ABRAHAM WAY
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTEE, CA 92071
Owner Name: AYMAR ENGINEERING
Owner Address: 9434 ABRAHAM WAY
Owner Address 2: Not reported
Owner City,State,Zip: SANTEE, CA 92071
Contact Name: BRANDON AYMAR
Contact Address: 9434 ABRAHAM WAY
Contact Address 2: Not reported
City,State,Zip: SANTEE, CA 92071
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 32.847786
Longitude: -116.964324

NAICS:
EPA ID: CAL000422384
Create Date: 2016-11-18 09:15:26.497
NAICS Code: 336399
NAICS Description: All Other Motor Vehicle Parts Manufacturing

AYMAR INDUSTRIES, LLC. (Continued) **S106879551**

Issued EPA ID Date:	2016-11-18 09:15:26.46700
Inactive Date:	Not reported
Facility Name:	AYMAR ENGINEERING
Facility Address:	9434 ABRAHAM WAY
Facility Address 2:	Not reported
Facility City:	SANTEE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92071

L75 **AYMAR ENGINEERING** **RCRA NonGen / NLR** **1025870218**
West **9434 ABRAHAM WAY** **CAL000422384**
1/8-1/4 **SANTEE, CA 92071**
0.195 mi.
1028 ft. **Site 7 of 10 in cluster L**

Relative: **Lower**

Actual: **353 ft.**

RCRA Listings:

Date Form Received by Agency:		20161118
Handler Name:	AYMAR ENGINEERING	
Handler Address:		9434 ABRAHAM WAY
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAL000422384
Contact Name:		BRANDON AYMAR
Contact Address:		9434 ABRAHAM WAY
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-562-1121
Contact Fax:		619-562-1171
Contact Email:		BRANDON@AYMARENGINEERING.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9434 ABRAHAM WAY
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	AYMAR ENGINEERING	
Owner Type:		Other
Operator Name:	BRANDON AYMAR	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		Yes
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No

AYMAR ENGINEERING (Continued) **1025870218**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190628
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: BRANDON AYMAR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9434 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-1121
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

AYMAR ENGINEERING (Continued) **1025870218**

Owner/Operator Indicator: Owner
Owner/Operator Name: AYMAR ENGINEERING
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9434 ABRAHAM WAY
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-562-1121
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20161118
Handler Name: AYMAR ENGINEERING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

O76 **CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES** **RCRA NonGen / NLR** **1024829851**
WSW **9366 ABRAHAM WAY** **CAL000363925**
1/8-1/4 **SANTEE, CA 92071**
0.197 mi.
1040 ft. **Site 1 of 7 in cluster O**

Relative:
Lower

Actual:
355 ft.

RCRA Listings:
Date Form Received by Agency: 20110524
Handler Name: CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES
Handler Address: 9366 ABRAHAM WAY
Handler City,State,Zip: SANTEE, CA 92071-2861
EPA ID: CAL000363925
Contact Name: VIRGINIA JAGGI
Contact Address: 9366 ABRAHAM WAY
Contact City,State,Zip: SANTEE, CA 92071
Contact Telephone: 619-504-3805
Contact Fax: 619-562-5218
Contact Email: VIRGINIAJ@CALCRAFTEDMARBLE.COM
Contact Title: Not reported

CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES (Continued) **1024829851**

EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10848 WHEATLANDS AVE
Mailing City,State,Zip:		SANTEE, CA 92071-2855
Owner Name:	CALIFORNIA CRAFTED MARBLE	
Owner Type:		Other
Operator Name:	VIRGINIA JAGGI	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported

CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES (Continued) **1024829851**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: VIRGINIA JAGGI	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9366 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-504-3805
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CALIFORNIA CRAFTED MARBLE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10848 WHEATLANDS AVE
Owner/Operator City,State,Zip:	SANTEE, CA 92071-2855
Owner/Operator Telephone:	619-562-2605
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20110524
Handler Name:	CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	11331

CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES (Continued) **1024829851**

NAICS Description: LOGGING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

O77 **CALIFORNIA CRAFTED MARBLE** **RCRA NonGen / NLR** **1027081555**
WSW **9366 ABRAHAM WAY** **CAC003153628**
1/8-1/4 **SANTEE, CA 92071**
0.197 mi.
1040 ft. **Site 2 of 7 in cluster O**

Relative: **Lower**

Actual: **355 ft.**

RCRA Listings:

Date Form Received by Agency:		20220321
Handler Name:	CALIFORNIA CRAFTED MARBLE	
Handler Address:		9366 ABRAHAM WAY
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAC003167212
Contact Name:		JILL COX
Contact Address:		9366 ABRAHAM WAY
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-562-2605
Contact Fax:		Not reported
Contact Email:		JILL@CALCRAFTEDMARBLE.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9366 ABRAHAM WAY
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	CODY NOSKO	
Owner Type:		Other
Operator Name:	JILL COX	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported

CALIFORNIA CRAFTED MARBLE (Continued) **1027081555**

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220321
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CODY NOSKO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9366 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-2605
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator

CALIFORNIA CRAFTED MARBLE (Continued) **1027081555**

Owner/Operator Name: JILL COX
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9366 ABRAHAM WAY
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-562-2605
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220321
Handler Name: CALIFORNIA CRAFTED MARBLE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 327991
NAICS Description: CUT STONE AND STONE PRODUCT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 20211220
Handler Name: CALIFORNIA CRAFTED MARBLE
Handler Address: 9366 ABRAHAM WAY
Handler City,State,Zip: SANTEE, CA 92071
EPA ID: CAC003153628
Contact Name: VIRGINIA JAGGI
Contact Address: 9366 ABRAHAM WAY
Contact City,State,Zip: SANTEE, CA 92071
Contact Telephone: 619-504-3805
Contact Fax: Not reported
Contact Email: VIRGINIAJ@CALCRAFTEDMARBLE.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported

CALIFORNIA CRAFTED MARBLE (Continued) **1027081555**

State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9366 ABRAHAM WAY
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	CODY NOSKO	
Owner Type:		Other
Operator Name:	VIRGINIA JAGGI	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20211221
Recognized Trader-Importer:		No

CALIFORNIA CRAFTED MARBLE (Continued) **1027081555**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: VIRGINIA JAGGI	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9366 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-504-3805
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CODY NOSKO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9366 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-2605
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20211220
Handler Name:	CALIFORNIA CRAFTED MARBLE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

CALIFORNIA CRAFTED MARBLE (Continued) **1027081555**

Evaluation Action Summary:
Evaluations: No Evaluations Found

O78 **SAN DIEGO DESIGN INC** **RCRA-SQG** **1000110665**
WSW **9366 ABRAHAM WY** **San Diego Co. HMMD** **CAD981384993**
1/8-1/4 **SANTEE, CA 92071** **FINDS**
0.197 mi.
1040 ft. **Site 3 of 7 in cluster O**

Relative: **Lower**
Actual: **355 ft.**

RCRA Listings:

Date Form Received by Agency:		19960901
Handler Name:	SAN DIEGO DESIGN INC	
Handler Address:		9366 ABRAHAM WY
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAD981384993
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		9366 ABRAHAM WY
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN

SAN DIEGO DESIGN INC (Continued) **1000110665**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ANDREW KARSH	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED

SAN DIEGO DESIGN INC (Continued) **1000110665**

Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: SAN DIEGO DESIGN INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19860210
Handler Name: SAN DIEGO DESIGN INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 337122
NAICS Description: NONUPHOLSTERED WOOD HOUSEHOLD FURNITURE MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HMMD SAN DIEGO:
Name: CAL CUSTOM MFG
Address: 9366 ABRAHAM WY
City,State,Zip: SANTEE, CA 92071
Permit Number: 106609
Business Type: 6HK77
EPA Id Number: CAL000215117
APN: 381-640-34-00
Last HMMD Inspection: 05/03/2001
Facility Telephone: 619-562-2605
Permit Status: CHNG

SAN DIEGO DESIGN INC (Continued) **1000110665**

Permit Expiration:	10/31/2003
Date Last Updated:	11/02/2012
Facility Owner:	BILL HANVEY
Facility Mailing Address:	9366 ABRAHAM WY
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-2861
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

FINDS:
Registry ID: 110001170893

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

M79 **ASHLYNN MARKETING GROUP** **RCRA NonGen / NLR** **1026046113**
SW **10870 HARTLEY RD #B** **CAC003052571**
1/8-1/4 **SANTEE, CA 92071**
0.198 mi.
1044 ft. **Site 2 of 4 in cluster M**

Relative: RCRA Listings:
Higher

Actual: Date Form Received by Agency:		20200123
358 ft. Handler Name:	ASHLYNN MARKETING GROUP	
Handler Address:		10870 HARTLEY RD #B
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAC003052571
Contact Name:		MICHAEL LENZNER
Contact Address:		10870 HARTLEY RD #B
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		760-458-1369
Contact Fax:		Not reported
Contact Email:		MIKE@LIFESOLUTIONSNP.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported

ASHLYNN MARKETING GROUP (Continued) **1026046113**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10870 HARTLEY RD #B
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	WES SALIMAN	
Owner Type:		Other
Operator Name:	MICHAEL LENZNER	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

ASHLYNN MARKETING GROUP (Continued) **1026046113**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: WES SALIMAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10870 HARTLEY RD #B
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-596-9600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MICHAEL LENZNER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10870 HARTLEY RD #B
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	760-458-1369
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200123
Handler Name: ASHLYNN MARKETING GROUP	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334516
NAICS Description:	ANALYTICAL LABORATORY INSTRUMENT MANUFACTURING

Facility Has Received Notices of Violations:

ASHLYNN MARKETING GROUP (Continued) **1026046113**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

M80 **ASHLYNN MARKETING GROUP** **RCRA NonGen / NLR** **1026806083**
SW **10870 HARTLEY RD** **CAC003118281**
1/8-1/4 **SANTEE, CA 92071**
0.198 mi.
1044 ft. **Site 3 of 4 in cluster M**

Relative: **Higher**
Actual: **358 ft.**

RCRA Listings:

Date Form Received by Agency:		20210505
Handler Name:	ASHLYNN MARKETING GROUP	
Handler Address:		10870 HARTLEY RD
Handler City,State,Zip:		SANTEE, CA 92071-5638
EPA ID:		CAC003118281
Contact Name:		WES SALIMAN
Contact Address:		10870 HARTLEY RD
Contact City,State,Zip:		SANTEE, CA 92071-5638
Contact Telephone:		619-504-2270
Contact Fax:		Not reported
Contact Email:		SALIMAN@COX.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10870 HARTLEY RD
Mailing City,State,Zip:		SANTEE, CA 92071-5638
Owner Name:	WES SALIMAN	
Owner Type:		Other
Operator Name:	WES SALIMAN	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

ASHLYNN MARKETING GROUP (Continued) **1026806083**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210514
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: WES SALIMAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10870 HARTLEY RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071-5638
Owner/Operator Telephone:	619-504-2270
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: WES SALIMAN	
Legal Status:	Other
Date Became Current:	Not reported

ASHLYNN MARKETING GROUP (Continued) **1026806083**

Date Ended Current:	Not reported
Owner/Operator Address:	10870 HARTLEY RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071-5638
Owner/Operator Telephone:	619-504-2270
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210505
Handler Name:	ASHLYNN MARKETING GROUP
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

M81 **ASHLYNN MARKETING GROUP** **RCRA NonGen / NLR** **1025857908**
SW **10870 HARTLEY RD STE B** **CAC003038393**
1/8-1/4 **SANTEE, CA 92071**
0.198 mi.
1044 ft. **Site 4 of 4 in cluster M**

Relative: **Higher**
Actual: **358 ft.**

RCRA Listings:

Date Form Received by Agency:	20191011
Handler Name:	ASHLYNN MARKETING GROUP
Handler Address:	10870 HARTLEY RD STE B
Handler City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAC003038393
Contact Name:	WES SALIMAN
Contact Address:	10870 HARTLEY RD STE B
Contact City,State,Zip:	SANTEE, CA 92071
Contact Telephone:	619-504-2270
Contact Fax:	Not reported
Contact Email:	JORDAN.JENSEN@PEGEX.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported

ASHLYNN MARKETING GROUP (Continued) **1025857908**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10870 HARTLEY RD STE B
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	WES SALIMAN	
Owner Type:		Other
Operator Name:	WES SALIMAN	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

ASHLYNN MARKETING GROUP (Continued) **1025857908**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191011
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: WES SALIMAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10870 HARTLEY RD STE B
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-504-2270
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: WES SALIMAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10870 HARTLEY RD STE B
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-504-2270
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191011
Handler Name: ASHLYNN MARKETING GROUP	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	561312
NAICS Description:	EXECUTIVE SEARCH SERVICES

Facility Has Received Notices of Violations:

ASHLYNN MARKETING GROUP (Continued) **1025857908**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

O82 **ACCURATE AIR ENGINEERING INC** **RCRA NonGen / NLR** **1024828097**
WSW **9356 ABRAHAM WAY** **CAL000359247**
1/8-1/4 **SANTEE, CA 92071**
0.205 mi.
1085 ft. **Site 4 of 7 in cluster O**

Relative: **Higher**
Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:		20101214
Handler Name:	ACCURATE AIR ENGINEERING INC	
Handler Address:		9356 ABRAHAM WAY
Handler City,State,Zip:		SANTEE, CA 92071-0000
EPA ID:		CAL000359247
Contact Name:		STEFAN SARDA
Contact Address:		9356 ABRAHAM WAY
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-401-8270
Contact Fax:		619-447-2139
Contact Email:		SSARDA@ACCURATEAIR.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9356 ABRAHAM WAY
Mailing City,State,Zip:		SANTEE, CA 92071-0000
Owner Name:	ACCURATE AIR ENGINEERING INC	
Owner Type:		Other
Operator Name:	STEFAN SARDA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

ACCURATE AIR ENGINEERING INC (Continued) **1024828097**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: STEFAN SARDA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9356 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-401-8270
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ACCURATE AIR ENGINEERING INC	
Legal Status:	Other
Date Became Current:	Not reported

ACCURATE AIR ENGINEERING INC (Continued) **1024828097**

Date Ended Current:	Not reported
Owner/Operator Address:	9356 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071-0000
Owner/Operator Telephone:	619-401-8270
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20101214
Handler Name:	ACCURATE AIR ENGINEERING INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	42183
NAICS Description:	INDUSTRIAL MACHINERY AND EQUIPMENT WHOLESALERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

O83 **JERAMES TOOL AND MFG** **RCRA-SQG** **1000149680**
WSW **9356 ABRAHAM WAY** **San Diego Co. HMMD** **CAD020203139**
1/8-1/4 **SANTEE, CA 92071** **FINDS**
0.205 mi. **ECHO**
1085 ft. **Site 5 of 7 in cluster O**

Relative: **Higher**

Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:		20031117
Handler Name:	JERAMES TOOL AND MFG	
Handler Address:		9356 ABRAHAM WAY
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAD020203139
Contact Name:		RANDY L ANSTAETT
Contact Address:		9356 ABRAHAM WAY
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-448-1220
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported

JERAMES TOOL AND MFG (Continued) **1000149680**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		9356 ABRAHAM WAY
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	RAILTON PRODUCTS INC	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

JERAMES TOOL AND MFG (Continued) **1000149680**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20040205
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: ROBERT HUBBLE	
Legal Status:	Private
Date Became Current:	20031008
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner

JERAMES TOOL AND MFG (Continued) **1000149680**

Owner/Operator Name: RAILTON PRODUCTS INC
Legal Status: Private
Date Became Current: 20031008
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JERAMES INDUS INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: JERAMES TOOL & MFG
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19860113
Handler Name: JERAMES TOOL & MFG
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20031117
Handler Name: JERAMES TOOL AND MFG
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

JERAMES TOOL AND MFG (Continued) **1000149680**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 333319
NAICS Description: OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

NAICS Code: 333515
NAICS Description: CUTTING TOOL AND MACHINE TOOL ACCESSORY MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HMMD SAN DIEGO:
Name: JERAMES TOOL & MANUFACTURING
Address: 9356 ABRAHAM WY
City,State,Zip: SANTEE, CA 92071
Permit Number: 202848
Business Type: 6HK35
EPA Id Number: CAD020203139
APN: 381-640-04-00
Last HMMD Inspection: 11/29/2007
Facility Telephone: 619-448-1220
Permit Status: INAC
Permit Expiration: 04/30/2009
Date Last Updated: 11/02/2012
Facility Owner: JERAMES INDUSTRIES INC/RAILTON PRODUCTS
Facility Mailing Address: 9356 ABRAHAM WY
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Permit Number: 202848
Update Date: 11/02/2012
Inspection Date: 05/02/2006
Violation Code: 6HV0138
Violation: NO TSDF SIGNED MANIFEST ONSITE
Violation Citation: Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity: Inactive Permit

JERAMES TOOL AND MFG (Continued) **1000149680**

Name:	JERAMES TOOL & MANUFACTURING
Address:	9356 ABRAHAM WY
City,State,Zip:	SANTEE, CA 92071
Permit Number:	108338
Business Type:	6HK35
EPA Id Number:	CAD020203139
APN:	381-640-04-00
Last HMMD Inspection:	09/30/2003
Facility Telephone:	619-448-1220
Permit Status:	CHNG
Permit Expiration:	02/28/2005
Date Last Updated:	11/02/2012
Facility Owner:	JERAMES INDUSTRIES
Facility Mailing Address:	9356 ABRAHAM WY
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-2861
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	JERAMES TOOL & MANUFACTURING
Address:	9356 ABRAHAM WY
City,State,Zip:	SANTEE, CA 92071
Permit Number:	202848
Business Type:	6HK35
EPA Id Number:	CAD020203139
APN:	381-640-04-00
Last HMMD Inspection:	11/29/2007
Facility Telephone:	619-448-1220
Permit Status:	INAC
Permit Expiration:	04/30/2009
Date Last Updated:	11/02/2012
Facility Owner:	JERAMES INDUSTRIES INC/RAILTON PRODUCTS
Facility Mailing Address:	9356 ABRAHAM WY
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	202848
Update Date:	11/02/2012
Inspection Date:	05/02/2006
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR

JERAMES TOOL AND MFG (Continued) **1000149680**

66262.40(a)
Activity: Inactive Permit

Name: JERAMES TOOL & MANUFACTURING
Address: 9356 ABRAHAM WY
City,State,Zip: SANTEE, CA 92071
Permit Number: 108338
Business Type: 6HK35
EPA Id Number: CAD020203139
APN: 381-640-04-00
Last HMMD Inspection: 09/30/2003
Facility Telephone: 619-448-1220
Permit Status: CHNG
Permit Expiration: 02/28/2005
Date Last Updated: 11/02/2012
Facility Owner: JERAMES INDUSTRIES
Facility Mailing Address: 9356 ABRAHAM WY
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071-2861
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

FINDS:
Registry ID: 110002638799

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000149680
Registry ID: 110002638799
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002638799
Name: JERAMES TOOL AND MFG
Address: 9356 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071

O84 **JERAMES TOOL & MFG** **San Diego Co. HMMD** **S113000012**
WSW **9356 ABRAHAM WAY** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SANTEE, CA 92071** **HAZNET**
0.205 mi. **CERS**
1085 ft. **Site 6 of 7 in cluster O** **HWTS**

Relative: Higher

Actual: 356 ft.

HMMD SAN DIEGO:

Name:	STREET TRENZ INC
Address:	9356 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071-2861
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000464248
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	6198885694
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	10/22/2021
Facility Owner:	Not reported
Facility Mailing Address:	9356 Abraham Way, Santee, CA 92071
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Waste Generator
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-06-09T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	3030010 Accumulated waste too long (>180 or 270 days) (>90 days for an acutely hazardous waste). (40 CFR 262.34(e) and (f).) HSC 25201(a); 22 CCR 66262.34(d)

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-03-24T00:00:00.000
Nov:	No

JERAMES TOOL & MFG (Continued) **S113000012**

Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	1010002 HMBP not submitted to the CUPA in CERS. HSC 25508(a)(1)(A); HSC 25404(e)(4); 27 CCR 15188(a), (d)
Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-06-13T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)
Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6028852
Return To Compliance Date:	2018-11-01T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2018-10-23T07:43:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)
Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Waste Generator
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-06-09T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	3010002 Failed to obtain and/or maintain an active EPA ID. 22 CCR 66262.12
Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Waste Generator
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-06-07T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	3030007 Failed to properly label/date hazardous waste container and/or tank. 22 CCR 66262.34(f)
Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Waste Generator
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-05-31T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905
Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6028852
Return To Compliance Date:	2018-11-01T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2018-10-23T07:43:00.000
Violation Code:	3030017 Failed to properly close hazardous waste container(s). 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.173
Record ID:	DEH2017-HUPFP-003420

JERAMES TOOL & MFG (Continued) **S113000012**

Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6028852
Return To Compliance Date:	2018-11-01T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2018-10-23T07:43:00.000
Violation Code:	HMD0149 Failed to keep disposal receipts for drained used oil filters and/or drained fuel filters for 3 years. HSC 25250.22; 22 CCR 66266.130(c)(5)

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6028852
Return To Compliance Date:	2018-11-01T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2018-10-23T07:43:00.000
Violation Code:	3010010 Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-05-31T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Materials Release Response Plans

JERAMES TOOL & MFG (Continued) **S113000012**

Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-06-09T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2) and 25508(a)(1)(A)

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-03-24T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	1010010 Emergency response procedures to mitigate a release or threatened release not adequate, not established or not submitted in CERS. HSC 25505(a)(3) and 25508(a)(1)(A)

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6798387
Return To Compliance Date:	2021-09-28T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2021-08-25T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Waste Generator
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	HMD0000 HAZARDOUS WASTE REQUIREMENTS FOR SQGS AND LQGS

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-03-24T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	1010001 HMBP not established/ implemented. HSC 25505(a) and 25507(a)

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Waste Generator
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	HMD0001 RECORD KEEPING/OPERATIONAL REQUIREMENTS

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6028852
Return To Compliance Date:	2018-11-01T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2018-10-23T07:43:00.000
Violation Code:	3030007 Failed to properly label/date hazardous waste container &/or tank. 22 CCR 66262.34(f)

JERAMES TOOL & MFG (Continued) **S113000012**

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Waste Generator
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-06-07T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	HMD0224 Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 22 CCR 66261.7(e),(f)

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003420
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Initial Inspection
Inspection Number:	5667133
Return To Compliance Date:	2017-06-09T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-10-22T01:30:59.000
Inspection Date:	2016-10-26T08:38:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2

Waste and Materials:

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0274661
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-10-22T01:30:59.000
Chemical Name:	Lubricating oils, used
Common Name:	Used lubricating oils
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003420
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0123193
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-04-19T19:04:46.000
Chemical Name:	Not reported
Common Name:	waste oil
Case Number:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Record ID: DEH2017-HUPFP-003420
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0123194
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-19T19:04:46.000
Chemical Name: Not reported
Common Name: parts washer
Case Number: Not reported

Record ID: DEH2017-HUPFP-003420
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0144442
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-04-19T19:04:46.000
Chemical Name: Not reported
Common Name: Compressor oil
Case Number: Not reported

Record ID: DEH2017-HUPFP-003420
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0307297
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-22T01:30:59.000
Chemical Name: Brake flush
Common Name: Brake flush
Case Number: Not reported

CERS HAZ WASTE:
Name: STREET TRENZ INC
Address: 9356 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071
Site ID: 410592
CERS ID: 10711270
CERS Description: Hazardous Waste Generator

HAZNET:
Name: JERAMES TOOL & MFG
Address: 9356 ABRAHAM WAY
Address 2: Not reported
City,State,Zip: SANTEE, CA 920710000
Contact: RANDY ANSTAETT/SAFETY COOR
Telephone: 6194481220
Mailing Name: Not reported
Mailing Address: 9356 ABRAHAM WAY

Year: 2013
Gepaid: CAD020203139
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution

JERAMES TOOL & MFG (Continued) **S113000012**

Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.218
Year:	2008
Gepaid:	CAD020203139
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	5.775
Year:	2008
Gepaid:	CAD020203139
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.05
Year:	2008
Gepaid:	CAD020203139
TSD EPA ID:	CAT000613976
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.5004
Year:	2007
Gepaid:	CAD020203139
TSD EPA ID:	CAT000613976
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.49206
Year:	2007
Gepaid:	CAD020203139
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	3.78
Year:	2007
Gepaid:	CAD020203139
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	2.625
Year:	2007
Gepaid:	CAD020203139
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

JERAMES TOOL & MFG (Continued) **S113000012**

Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4

Year: 2006
Gepaid: CAD020203139
TSD EPA ID: TXD077603371
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.35

Year: 2006
Gepaid: CAD020203139
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.945

Click this hyperlink while viewing on your computer to access
73 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2013
Gen EPA ID: CAD020203139

Shipment Date: 20130722
Creation Date: 9/22/2013 22:15:19
Receipt Date: 20130729
Manifest ID: 002281561SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO / KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 1.218
Waste Quantity: 290
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2008
Gen EPA ID: CAD020203139

JERAMES TOOL & MFG (Continued) **S113000012**

Shipment Date:	20081120
Creation Date:	4/8/2009 18:30:08
Receipt Date:	20081124
Manifest ID:	001477896SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080919
Creation Date:	11/3/2008 18:30:25
Receipt Date:	20080922
Manifest ID:	001286302SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.68
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080904
Creation Date:	10/21/2008 18:30:24
Receipt Date:	20080905
Manifest ID:	001273939SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.68
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080829
Creation Date:	1/7/2009 18:30:08
Receipt Date:	20080903
Manifest ID:	001398565SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080604
Creation Date:	10/13/2008 18:30:40
Receipt Date:	20080609
Manifest ID:	001150050SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039

JERAMES TOOL & MFG (Continued) **S113000012**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080602
Creation Date:	8/8/2008 18:30:16
Receipt Date:	20080604
Manifest ID:	001044207SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.05
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080410
Creation Date:	9/12/2008 18:30:16
Receipt Date:	20080424
Manifest ID:	000669617SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080303
Creation Date:	8/6/2008 18:30:08
Receipt Date:	20080306
Manifest ID:	000918545SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080206
Creation Date:	4/3/2008 18:30:19
Receipt Date:	20080207
Manifest ID:	000722666SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.365
Waste Quantity:	325
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD020203139

JERAMES TOOL & MFG (Continued) **S113000012**

Shipment Date:	20071213
Creation Date:	4/22/2008 18:30:43
Receipt Date:	20071217
Manifest ID:	000943327SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071009
Creation Date:	1/8/2008 18:30:57
Receipt Date:	20071010
Manifest ID:	000591641SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON 050122
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.365
Waste Quantity:	325
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070924
Creation Date:	3/4/2008 18:31:02
Receipt Date:	20070927
Manifest ID:	000792242SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070716
Creation Date:	11/5/2007 18:30:43
Receipt Date:	20070718
Manifest ID:	000286229SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070416
Creation Date:	8/29/2007 18:30:21
Receipt Date:	20070417
Manifest ID:	000207265SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.945
Waste Quantity:	225
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070413
Creation Date:	8/23/2007 18:30:14
Receipt Date:	20070418
Manifest ID:	000480653SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.11676
Waste Quantity:	28
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070413
Creation Date:	12/10/2007 18:30:41
Receipt Date:	20070426
Manifest ID:	000170353SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070220
Creation Date:	8/19/2007 18:30:21
Receipt Date:	20070221
Manifest ID:	000170437SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON 050122
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	1.155
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070125
Creation Date:	8/8/2007 18:30:07
Receipt Date:	20070206
Manifest ID:	000348701SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070105
Creation Date:	4/19/2007 18:32:27
Receipt Date:	20070105

JERAMES TOOL & MFG (Continued) **S113000012**

Manifest ID:	000315809CEX
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	1.68
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD020203139
Shipment Date:	20061103
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061114
Manifest ID:	001583266JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061103
Creation Date:	3/30/2007 13:32:48
Receipt Date:	20061120
Manifest ID:	000953107JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC

JERAMES TOOL & MFG (Continued) **S113000012**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC 708805
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061030
Creation Date:	3/30/2007 13:32:34
Receipt Date:	20061031
Manifest ID:	000800790JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.945
Waste Quantity:	225
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060815
Creation Date:	10/5/2006 18:32:01
Receipt Date:	20060816
Manifest ID:	25016674
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution

JERAMES TOOL & MFG (Continued) **S113000012**

RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.344
Waste Quantity:	320
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060809
Creation Date:	9/22/2006 18:34:00
Receipt Date:	20060815
Manifest ID:	24726685
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060626
Creation Date:	9/13/2006 18:30:50
Receipt Date:	20060626
Manifest ID:	24629197
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.596
Waste Quantity:	380
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Additional Code 5:	Not reported
Shipment Date:	20060602
Creation Date:	8/25/2006 18:37:36
Receipt Date:	20060602
Manifest ID:	24628930
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.05
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060515
Creation Date:	12/20/2006 18:31:22
Receipt Date:	20060523
Manifest ID:	24609748
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060510
Creation Date:	8/24/2006 18:32:30
Receipt Date:	20060510
Manifest ID:	24629793
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060310
Creation Date:	12/21/2006 18:30:38
Receipt Date:	20060318
Manifest ID:	24771091
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD020203139

Shipment Date:	20051205
Creation Date:	1/4/2007 18:30:12
Receipt Date:	20051212
Manifest ID:	24728145
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.13344
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051130
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051206
Manifest ID:	24770667
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.155
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051130
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051206
Manifest ID:	24770667
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051130
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051206
Manifest ID:	24770667
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050916
Creation Date:	6/22/2006 18:31:22
Receipt Date:	20050923
Manifest ID:	23678887
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.13344
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050816
Creation Date:	4/13/2006 18:46:51
Receipt Date:	20050822
Manifest ID:	23824679
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC

JERAMES TOOL & MFG (Continued) **S113000012**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.155
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050816
Creation Date:	4/13/2006 18:46:51
Receipt Date:	20050822
Manifest ID:	23824679
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050627
Creation Date:	9/16/2005 18:31:41
Receipt Date:	20050701
Manifest ID:	24502112
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station

JERAMES TOOL & MFG (Continued) **S113000012**

Quantity Tons:	0.13344
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050623
Creation Date:	9/16/2005 18:31:41
Receipt Date:	20050628
Manifest ID:	23824524
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050623
Creation Date:	9/16/2005 18:31:41
Receipt Date:	20050628
Manifest ID:	23824524
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Additional Info:

Year:	2004
Gen EPA ID:	CAD020203139
Shipment Date:	20041025
Creation Date:	12/31/2004 18:30:54
Receipt Date:	20041025
Manifest ID:	23720105
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041015
Creation Date:	12/31/2004 18:31:40
Receipt Date:	20041022
Manifest ID:	23826693
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	NON
Meth Code:	R01 - Recycler
Quantity Tons:	1.155
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041015
Creation Date:	12/31/2004 18:31:40
Receipt Date:	20041022
Manifest ID:	23826693
Trans EPA ID:	CAR000011205

JERAMES TOOL & MFG (Continued) **S113000012**

Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	NON
Meth Code:	R01 - Recycler
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040824
Creation Date:	1/6/2005 18:32:03
Receipt Date:	20040825
Manifest ID:	23826639
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	NON
Meth Code:	R01 - Recycler
Quantity Tons:	1.155
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040806
Creation Date:	1/4/2005 18:32:14
Receipt Date:	20040812
Manifest ID:	23514841
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039

JERAMES TOOL & MFG (Continued) **S113000012**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040721
Creation Date:	1/4/2005 18:32:14
Receipt Date:	20040724
Manifest ID:	23826513
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NON
Meth Code:	R01 - Recycler
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040701
Creation Date:	1/4/2005 18:32:14
Receipt Date:	20040709
Manifest ID:	23826438
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	NON
Meth Code:	R01 - Recycler
Quantity Tons:	1.155
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Shipment Date:	20040521
Creation Date:	10/29/2004 7:40:51
Receipt Date:	20040527
Manifest ID:	23507247
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040503
Creation Date:	10/15/2004 10:47:43
Receipt Date:	20040506
Manifest ID:	23415003
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.155
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040227
Creation Date:	8/23/2004 8:16:48
Receipt Date:	20040305
Manifest ID:	23471343
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976

JERAMES TOOL & MFG (Continued) **S113000012**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD020203139
Shipment Date:	20031210
Creation Date:	9/10/2004 8:42:02
Receipt Date:	20031212
Manifest ID:	22983958
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031208
Creation Date:	8/30/2004 14:52:16
Receipt Date:	20031217
Manifest ID:	22806282
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039

JERAMES TOOL & MFG (Continued) **S113000012**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031014
Creation Date:	8/3/2004 15:02:31
Receipt Date:	20031020
Manifest ID:	22983821
Trans EPA ID:	CAR000011205
Trans Name:	EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000035915
Trans Name:	DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.924
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030915
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20030918
Manifest ID:	22511543
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Shipment Date:	20030814
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20030821
Manifest ID:	23002542
Trans EPA ID:	CAD000603738
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030814
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20030821
Manifest ID:	23002542
Trans EPA ID:	CAD000603738
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030814
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20030821
Manifest ID:	23002542
Trans EPA ID:	CAD000603738
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481

JERAMES TOOL & MFG (Continued) **S113000012**

Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030623
Creation Date:	7/22/2004 7:52:06
Receipt Date:	20030626
Manifest ID:	22318602
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030619
Creation Date:	7/23/2004 9:16:48
Receipt Date:	20030624
Manifest ID:	22655667
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G

JERAMES TOOL & MFG (Continued) **S113000012**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030401
Creation Date:	6/21/2003 18:30:56
Receipt Date:	20030408
Manifest ID:	22663538
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.13344
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD020203139
Shipment Date:	20021017
Creation Date:	2/18/2003 18:31:24
Receipt Date:	20021022
Manifest ID:	22058862
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.13344
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Shipment Date:	20021010
Creation Date:	2/13/2003 18:31:35
Receipt Date:	20021025
Manifest ID:	22224075
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020221
Creation Date:	7/25/2002 18:31:24
Receipt Date:	20020305
Manifest ID:	21704004
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020117
Creation Date:	7/2/2002 18:31:06
Receipt Date:	20020125
Manifest ID:	21703080
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

JERAMES TOOL & MFG (Continued) **S113000012**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020117
Creation Date:	3/7/2002 0:00:00
Receipt Date:	20020121
Manifest ID:	21703081
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD088504881
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD088504881
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD020203139

Shipment Date:	20011004
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011016
Manifest ID:	20738104
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011004
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011016
Manifest ID:	20738104
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0925
Waste Quantity:	185
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010914
Creation Date:	12/17/2001 0:00:00
Receipt Date:	20010917
Manifest ID:	20851952
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD088504881
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Shipment Date:	20010712
Creation Date:	10/3/2001 0:00:00
Receipt Date:	20010713
Manifest ID:	20851846
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010712
Creation Date:	10/3/2001 0:00:00
Receipt Date:	20010713
Manifest ID:	20851846
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010530
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010601
Manifest ID:	20644662
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976

JERAMES TOOL & MFG (Continued) **S113000012**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010309
Creation Date:	5/31/2001 0:00:00
Receipt Date:	20010313
Manifest ID:	20373012
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1209
Waste Quantity:	29
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010309
Creation Date:	5/16/2001 0:00:00
Receipt Date:	20010313
Manifest ID:	20851624
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.115
Waste Quantity:	230
Quantity Unit:	P

JERAMES TOOL & MFG (Continued) **S113000012**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010309
Creation Date:	5/16/2001 0:00:00
Receipt Date:	20010313
Manifest ID:	20851624
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD020203139
Shipment Date:	20001213
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001215
Manifest ID:	20562640
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1376
Waste Quantity:	33
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

Shipment Date:	20000919
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20000921
Manifest ID:	99651681
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000914
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20000920
Manifest ID:	20501831
Trans EPA ID:	CA0000970392
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	123 - Unspecified alkaline solution
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000914
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20000920
Manifest ID:	20501831
Trans EPA ID:	CA0000970392
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681

JERAMES TOOL & MFG (Continued) **S113000012**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D007
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000914
Creation Date:	12/13/2000 0:00:00
Receipt Date:	20000925
Manifest ID:	20501832
Trans EPA ID:	CA0000970392
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000914
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20000920
Manifest ID:	20501831
Trans EPA ID:	CA0000970392
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P

JERAMES TOOL & MFG (Continued) **S113000012**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000410
Creation Date:	5/30/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99704342
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000410
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000418
Manifest ID:	99704343
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

CERS:
Name: STREET TRENZ INC
Address: 9356 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071
Site ID: 410592
CERS ID: 10711270
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 410592
Site Name: STREET TRENZ INC
Violation Date: 10-26-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/31/2017. Inspection Sequence ID:5667133;Violation:HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 410592
Site Name: STREET TRENZ INC
Violation Date: 10-26-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/24/2017. Inspection Sequence ID:5667133
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 410592
Site Name: STREET TRENZ INC
Violation Date: 10-26-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 06/07/2017. Inspection Sequence ID:5667133
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 410592
Site Name: STREET TRENZ INC
Violation Date: 10-26-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

JERAMES TOOL & MFG (Continued) **S113000012**

Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 06/09/2017. Inspection Sequence ID:5667133
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-23-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 11/01/2018. Inspection Sequence ID:6028852
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-26-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/31/2017. Inspection Sequence ID:5667133;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-26-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 06/13/2017. Inspection Sequence ID:5667133
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-26-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 06/07/2017. Inspection Sequence ID:5667133;Violation:HMD0224 Failed to mark date on empty container

JERAMES TOOL & MFG (Continued) **S113000012**

	larger than 5 gallons and/or manage it within one year. 22 CCR 66261.7(e),(f)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-26-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 03/24/2017. Inspection Sequence ID:5667133
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-26-2016
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 06/09/2017. Inspection Sequence ID:5667133
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-23-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 11/01/2018. Inspection Sequence ID:6028852
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-26-2016
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2)

JERAMES TOOL & MFG (Continued) **S113000012**

	The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 06/09/2017. Inspection Sequence ID:5667133
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-26-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/24/2017. Inspection Sequence ID:5667133
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-23-2018
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 11/01/2018. Inspection Sequence ID:6028852
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-23-2018
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 11/01/2018. Inspection Sequence ID:6028852
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	08-25-2021
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter

JERAMES TOOL & MFG (Continued) **S113000012**

	6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 09/28/2021. Inspection Sequence ID:6798387
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-26-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 06/09/2017. Inspection Sequence ID:5667133
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	410592
Site Name:	STREET TRENZ INC
Violation Date:	10-23-2018
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 11/01/2018. Inspection Sequence ID:6028852;Violation:HMD0149 Failed to keep disposal receipts for drained used oil filters and/or drained fuel filters for 3 years. HSC 25250.22; 22 CCR 66266.130(c)(5)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	06-07-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5745872
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-25-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6798387
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection

JERAMES TOOL & MFG (Continued) **S113000012**

Eval Date: 10-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5667133
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6028852
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5667133
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6798387
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5745872
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6028852
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 410592
Facility Name: STREET TRENZ INC
Env Int Type Code: HMBP

JERAMES TOOL & MFG (Continued) **S113000012**

Program ID:	10711270
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.846410
Longitude:	-116.964370

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	Eric Wahlgren
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 888-5694,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Eric Wahlgren
Entity Title:	Not reported
Affiliation Address:	9356 Abraham Way
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	9356 Abraham Way
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Street Trenz Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

JERAMES TOOL & MFG (Continued) **S113000012**

Affiliation Type Desc:	Legal Owner
Entity Name:	Street Trenz Inc
Entity Title:	Not reported
Affiliation Address:	9356 Abraham Way
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 888-5694,

HWTS:

Name:	STREET TRENZ INC
Address:	9356 ABRAHAM WAY
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000464248
Inactive Date:	Not reported
Create Date:	07/23/2021
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	9356 ABRAHAM WAY
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 92071
Owner Name:	STREET TRENZ INC
Owner Address:	1664 GROVE RD
Owner Address 2:	Not reported
Owner City,State,Zip:	EL CAJON, CA 92020
Contact Name:	ERIC WAHLGREN
Contact Address:	9356 ABRAHAM WAY
Contact Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.84646899
Longitude:	-116.964367

Name:	JERAMES TOOL & MFG
Address:	9356 ABRAHAM WAY
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAD020203139
Inactive Date:	06/30/2008
Create Date:	04/10/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	9356 ABRAHAM WAY
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 920712861
Owner Name:	RAILTON PRODUCTS INC
Owner Address:	2925 E PATRICK LN STE C
Owner Address 2:	Not reported
Owner City,State,Zip:	LAS VEGAS, NV 891202457
Contact Name:	RANDY ANSTAETT/SAFETY COOR
Contact Address:	9424 ABRAHAM WAY
Contact Address 2:	Not reported

JERAMES TOOL & MFG (Continued) **S113000012**

City,State,Zip: SANTEE, CA 920710000
Facility Status: Inactive
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 32.84643
Longitude: -116.96436

NAICS:
EPA ID: CAD020203139
Create Date: 2008-03-20 15:51:28.017
NAICS Code: 336399
NAICS Description: All Other Motor Vehicle Parts Manufacturing
Issued EPA ID Date: 1987-04-10 00:00:00
Inactive Date: 2008-06-30 00:00:00
Facility Name: JERAMES TOOL & MFG
Facility Address: 9356 ABRAHAM WAY
Facility Address 2: Not reported
Facility City: SANTEE
Facility County: Not reported
Facility State: CA
Facility Zip: 920710000

O85 **STREET TRENZ INC** **RCRA NonGen / NLR** **1026829196**
WSW **9356 ABRAHAM WAY** **CAL000464248**
1/8-1/4 **SANTEE, CA 92071**
0.205 mi.
1085 ft. **Site 7 of 7 in cluster O**

Relative:
Higher

Actual:
356 ft.

RCRA Listings:
Date Form Received by Agency: 20210723
Handler Name: STREET TRENZ INC
Handler Address: 9356 ABRAHAM WAY
Handler City,State,Zip: SANTEE, CA 92071
EPA ID: CAL000464248
Contact Name: ERIC WAHLGREN
Contact Address: 9356 ABRAHAM WAY
Contact City,State,Zip: SANTEE, CA 92071
Contact Telephone: 619-956-2728
Contact Fax: 619-956-2729
Contact Email: ERIC@STRENZ.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 9356 ABRAHAM WAY
Mailing City,State,Zip: SANTEE, CA 92071
Owner Name: STREET TRENZ INC
Owner Type: Other
Operator Name: ERIC WAHLGREN
Operator Type: Other
Short-Term Generator Activity: No

STREET TRENZ INC (Continued) **1026829196**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210812
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

STREET TRENZ INC (Continued) **1026829196**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: STREET TRENZ INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1664 GROVE RD
Owner/Operator City,State,Zip: EL CAJON, CA 92020
Owner/Operator Telephone: 619-888-5694
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ERIC WAHLGREN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9356 ABRAHAM WAY
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-956-2728
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210723
Handler Name: STREET TRENZ INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 811198
NAICS Description: ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

N86 **MATHY MACHINE, INC.** **San Diego Co. HMMD** **S104754432**
SSW **9315 WHEATLANDS RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SANTEE, CA 92071** **CERS**
0.207 mi. **HWTS**
1094 ft. **Site 2 of 3 in cluster N**

Relative: Higher

Actual: 362 ft.

HMMD SAN DIEGO:

Name:	MATHY MACHINE, INC.
Address:	9315 WHEATLANDS RD
City,State,Zip:	SANTEE, CA 92071
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAD982028144
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-448-0404
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	03/12/2022
Facility Owner:	Not reported
Facility Mailing Address:	9315 WHEATLANDS RD, SANTEE, CA 92071
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-134448
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-134448
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6044368
Return To Compliance Date:	2018-11-28T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-12T00:00:00.000
Inspection Date:	2018-11-15T17:06:00.000
Violation Code:	3030010 Accumulated waste too long (>180 or 270 days) or (>90 days). HSC 25201(a), 25123.3(h)(1); 22 CCR 66262.34(d); 40 CFR 262.34(e) and/or (f)

Record ID:	DEH2002-HUPFP-134448
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-134448
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6806402
Return To Compliance Date:	2021-11-02T00:00:00.000
Nov:	No

MATHY MACHINE, INC. (Continued) **S104754432**

Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-12T00:00:00.000
Inspection Date: 2021-11-02T00:00:00.000
Violation Code: 1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-134448
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6806402
Return To Compliance Date: Not reported
Nov: Not reported
Violation Classification: Not reported
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-12T00:00:00.000
Inspection Date: 2021-11-02T00:00:00.000
Violation Code: HMD0000 HAZARDOUS MATERIALS REQUIREMENTS

Waste and Materials:
Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0200903
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-15T03:30:47.000
Chemical Name: Oil
Common Name: Hydraulic oil and way lube
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0119883
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-04-07T10:41:45.000
Chemical Name: HYDROTREATED MINERAL OIL 500-70%,
Common Name: ANIONIC EMULSIFIERS 20%
Case Number: 64742-52-5

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0100957
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-07T10:41:45.000
Chemical Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Common Name: MACHINING COOLANT
Case Number: Not reported

MATHY MACHINE, INC. (Continued) **S104754432**

Record ID:	DEH2002-HUPFP-134448
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0100958
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-04-07T10:41:45.000
Chemical Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name:	PARTS WASHER
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-134448
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0311992
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2022-03-12T02:32:25.000
Chemical Name:	Ethylene Glycol
Common Name:	COOLANT
Case Number:	107-21-1

Record ID:	DEH2002-HUPFP-134448
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0246851
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-03-06T02:43:13.000
Chemical Name:	OIL/WATER SEPARATION SLUDGE
Common Name:	MACHINING COOLANT
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-134448
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0246852
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-03-06T02:43:13.000
Chemical Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name:	PARTS WASHER
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-134448
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0278870
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-03-06T02:43:13.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	68476-85-7

Record ID:	DEH2002-HUPFP-134448
Permit Status:	Permit Renewed

MATHY MACHINE, INC. (Continued) **S104754432**

Active Permit: Y
Child Record Id: DEH2020-HCHEM-0278871
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-06T02:43:13.000
Chemical Name: Oil
Common Name: Hydraulic oil and way lube
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0311990
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-03-12T02:32:25.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0168555
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-14T02:31:28.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0168556
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-14T02:31:28.000
Chemical Name: HYDROTREATED MINERAL OIL 500-70%,
Common Name: ANIONIC EMULSIFIERS 20%
Case Number: 64742-52-5

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142823
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-14T02:31:28.000
Chemical Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Common Name: MACHINING COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142824

MATHY MACHINE, INC. (Continued) **S104754432**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-14T02:31:28.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PARTS WASHER
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0200902
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-03-15T03:30:47.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0173052
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T03:30:47.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PARTS WASHER
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0241623
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-03-17T16:59:47.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0241624
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-03-17T16:59:47.000
Chemical Name: Oil
Common Name: Hydraulic oil and way lube
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0311747
Trade Secret: N
Hazardous Material Type: Pure

MATHY MACHINE, INC. (Continued) **S104754432**

Last Updated: 2021-10-29T01:19:31.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0311748
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-29T01:19:31.000
Chemical Name: Oil
Common Name: Hydraulic oil and way lube
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0279193
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-29T01:19:32.000
Chemical Name: OIL/WATER SEPARATION SLUDGE
Common Name: MACHINING COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0279194
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-29T01:19:32.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PARTS WASHER
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0311991
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-03-12T02:32:25.000
Chemical Name: Oil
Common Name: Hydraulic oil and way lube
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0279540
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-12T02:32:25.000
Chemical Name: OIL/WATER SEPARATION SLUDGE

MATHY MACHINE, INC. (Continued) **S104754432**

Common Name: WASTE COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0279541
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-12T02:32:25.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PARTS WASHER
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0162920
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-12-06T01:19:48.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0162921
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-12-06T01:19:48.000
Chemical Name: HYDROTREATED MINERAL OIL 500-70%,
Common Name: ANIONIC EMULSIFIERS 20%
Case Number: 64742-52-5

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0138582
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-06T01:19:49.000
Chemical Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Common Name: MACHINING COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0138583
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-06T01:19:49.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PARTS WASHER
Case Number: Not reported

MATHY MACHINE, INC. (Continued) **S104754432**

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0173051
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T03:30:47.000
Chemical Name: OIL/WATER SEPARATION SLUDGE
Common Name: MACHINING COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0119882
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-04-07T10:41:45.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0212344
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-17T16:59:47.000
Chemical Name: OIL/WATER SEPARATION SLUDGE
Common Name: MACHINING COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-134448
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0212345
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-17T16:59:47.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PARTS WASHER
Case Number: Not reported

Name: MATHY MACHINE
Address: 9315 WHEATLANDS RD
City,State,Zip: SANTEE, CA 92071
Permit Number: 134448
Business Type: 6HK35
EPA Id Number: CAD982028144
APN: 381-540-19-00
Last HMMD Inspection: 06/26/2012
Facility Telephone: 619-448-0404
Permit Status: OPEN
Permit Expiration: 03/31/2013
Date Last Updated: 11/02/2012

MATHY MACHINE, INC. (Continued) **S104754432**

Facility Owner:	JAY MATHY
Facility Mailing Address:	9315 WHEATLANDS RD
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	134448
Update Date:	11/02/2012
Case Number:	64742-52-5
Name:	HYDROTREATED MINERAL OIL 500-70%,
Other Information:	ANIONIC EMULSIFIERS 20%
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	134448
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	134448
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	134448
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information:	MACHINING COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	134448
Update Date:	11/02/2012
Inspection Date:	03/20/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank.

MATHY MACHINE, INC. (Continued) **S104754432**

66262.34(f)
Activity: ACTIVE

Permit Number: 134448
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Permit Number: 134448
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 134448
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Permit Number: 134448
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 134448
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV1003
Violation: HMBP NOT AMENDED W/IN 30 DAYS
Violation Citation: Business plan was not amended within 30 days for a 100% quantity increase, new disclosable materials or a change in business info. HSC 25505
Activity: ACTIVE

CERS HAZ WASTE:
Name: MATHY MACHINE, INC.
Address: 9315 WHEATLANDS RD
City,State,Zip: SANTEE, CA 92071
Site ID: 133432

MATHY MACHINE, INC. (Continued) **S104754432**

CERS ID: 10376872
CERS Description: Hazardous Waste Generator

CERS:
Name: MATHY MACHINE, INC.
Address: 9315 WHEATLANDS RD
City,State,Zip: SANTEE, CA 92071
Site ID: 133432
CERS ID: 10376872
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 133432
Site Name: MATHY MACHINE, INC.
Violation Date: 11-02-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 11/02/2021. Inspection Sequence ID:6806402
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 133432
Site Name: MATHY MACHINE, INC.
Violation Date: 11-15-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 11/28/2018. Inspection Sequence ID:6044368
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-13-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4088797
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-15-2018
Violations Found: No

MATHY MACHINE, INC. (Continued) **S104754432**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6044368
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5586962
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-15-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6044368
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-02-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6806402
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-13-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4088797
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-02-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6806402
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5586962
Eval Division: San Diego County Department of Env Health

MATHY MACHINE, INC. (Continued) **S104754432**

Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 133432
Facility Name: MATHY MACHINE, INC.
Env Int Type Code: HWG
Program ID: 10376872
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.844260
Longitude: -116.960530

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: PAUL W. CARPENTER
Entity Title: Not reported
Affiliation Address: 9315 WHEATLANDS RD.
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: JAY MATHY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 448-0404,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 9315 WHEATLANDS RD
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: MATHY JAY J TRUST 08-21-97
Entity Title: Not reported
Affiliation Address: 9315 WHEATLANDS RD
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (619) 448-0404,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty

MATHY MACHINE, INC. (Continued) **S104754432**

Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Parent Corporation
Entity Name:	MATHY MACHINE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	MATHY MACHINE
Address:	9315 WHEATLANDS RD
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000010262
Inactive Date:	06/30/1996
Create Date:	11/14/1989
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	9315 WHEATLANDS RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 920710000
Owner Name:	MATHY JAY
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	DEACTIVATE PER VQ 96
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.844346
Longitude:	-116.960909

N87 **MATHY MACHINE INC** **RCRA NonGen / NLR** **1024783562**
SSW **9315 WHEATLANDS, #B** **CAD982028144**
1/8-1/4 **SANTEE, CA 92071**
0.207 mi.
1094 ft. **Site 3 of 3 in cluster N**

Relative:
Higher

Actual:
362 ft.

RCRA Listings:

Date Form Received by Agency:		19880617
Handler Name:	MATHY MACHINE INC	
Handler Address:		9315 WHEATLANDS, #B
Handler City,State,Zip:		SANTEE, CA 92071-0000

MATHY MACHINE INC (Continued) **1024783562**

EPA ID:		CAD982028144
Contact Name:		PAUL CARPENTER
Contact Address:		9315 WHEATLANDS RD
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-448-0404
Contact Fax:		619-448-9002
Contact Email:		TERRI@MATHYMACHINE.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9315 WHEATLANDS RD
Mailing City,State,Zip:		SANTEE, CA 92071-0000
Owner Name:	JAY MATHY	
Owner Type:		Other
Operator Name:	PAUL CARPENTER	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No

MATHY MACHINE INC (Continued) **1024783562**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JAY MATHY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9315 WHEATLANDS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071-0000
Owner/Operator Telephone:	619-448-0404
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: PAUL CARPENTER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9315 WHEATLANDS RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-448-0404
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19880617
Handler Name: MATHY MACHINE INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

MATHY MACHINE INC (Continued) **1024783562**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 3327
NAICS Description: MACHINE SHOPS; TURNED PRODUCT; AND SCREW, NUT, AND BOLT MANUFACTURING

NAICS Code: 33271
NAICS Description: MACHINE SHOPS

NAICS Code: 332999
NAICS Description: ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MANUFACTURING

NAICS Code: 333319
NAICS Description: OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

NAICS Code: 333999
NAICS Description: ALL OTHER MISCELLANEOUS GENERAL PURPOSE MACHINERY MANUFACTURING

NAICS Code: 336399
NAICS Description: ALL OTHER MOTOR VEHICLE PARTS MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L88 **SOUTHBAY FOUNDRY, INC.** **San Diego Co. HMMD** **S105022245**
West **9444 ABRAHAM WAY** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SANTEE, CA 92071** **CERS**
0.207 mi.
1094 ft. **Site 8 of 10 in cluster L**

Relative: **Lower**
Actual: **347 ft.**

HMMD SAN DIEGO:
Name: SOUTHBAY FOUNDRY, INC.
Address: 9444 ABRAHAM WY
City,State,Zip: SANTEE, CA 92071
Permit Number: 102129
Business Type: 6HK70
EPA Id Number: Not reported
APN: 381-640-09-00
Last HMMD Inspection: 01/30/2012
Facility Telephone: 619-956-2780
Permit Status: OPEN
Permit Expiration: 08/31/2013
Date Last Updated: 11/02/2012
Facility Owner: SOUTHBAY FOUNDRY, INC
Facility Mailing Address: 9444 ABRAHAM WY
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071-

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 102129
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102129
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON, CARBON DIOXIDE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 102129
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102129
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102129
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 102129
Update Date: 11/02/2012

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Inspection Date:	01/30/2012
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Permit Number:	102129
Update Date:	11/02/2012
Inspection Date:	09/03/2003
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Permit Number:	102129
Update Date:	11/02/2012
Inspection Date:	09/03/2003
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	ACTIVE

Name:	SOUTHBAY FOUNDRY, INC.
Address:	9444 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAC002638751
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-956-2780
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	03/16/2022
Facility Owner:	Not reported
Facility Mailing Address:	895 SOUTH INLAND CENTER DR, SAN BERNARDINO, CA 92408
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-102129
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102129
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6885422

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Return To Compliance Date:	2022-03-31T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-06T08:41:02.000
Inspection Date:	2022-03-03T00:00:00.000
Violation Code:	3030013 Failed to accumulate hazardous waste in a container that is in good condition. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.171
Record ID:	DEH2002-HUPFP-102129
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102129
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4621601
Return To Compliance Date:	2015-05-20T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-16T01:20:25.000
Inspection Date:	2015-03-25T00:00:00.000
Violation Code:	1010008 Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. For facilities with invenntory that exceed EPCRA thresholds; failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages HSC 6.95 25508.2 / 19 CCR 4 2729.5(c)
Record ID:	DEH2002-HUPFP-102129
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102129
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6885422
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-16T01:20:25.000
Inspection Date:	2022-03-03T00:00:00.000
Violation Code:	HMD0001 RECORD KEEPING/OPERATIONAL REQUIREMENTS
Record ID:	DEH2002-HUPFP-102129
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102129
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6885422
Return To Compliance Date:	2022-03-31T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Container/Tank Id: Not reported
Last Update: 2022-04-06T08:38:48.000
Inspection Date: 2022-03-03T00:00:00.000
Violation Code: 3030005 Failed to make a proper waste determination. 22 CCR 66262.11, 66262.40(c)

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-102129
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 4621601
Return To Compliance Date: 2015-05-20T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-16T01:20:25.000
Inspection Date: 2015-03-25T00:00:00.000
Violation Code: 1010002 Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet; HSC 6.95 25508(a)1A

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-102129
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5645979
Return To Compliance Date: 2017-03-14T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-16T01:20:25.000
Inspection Date: 2017-02-16T16:04:00.000
Violation Code: 1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-102129
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6885422
Return To Compliance Date: Not reported
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-16T01:20:25.000
Inspection Date: 2022-03-03T00:00:00.000

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Violation Code:	1010008 HMBP not certified as complete and accurate in CERS by the required due date. HSC 25508.2, 19 CCR 2654(b)
Record ID:	DEH2002-HUPFP-102129
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102129
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6885422
Return To Compliance Date:	Not reported
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-16T01:20:25.000
Inspection Date:	2022-03-03T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)
Record ID:	DEH2002-HUPFP-102129
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102129
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6885422
Return To Compliance Date:	2022-03-31T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-06T08:41:02.000
Inspection Date:	2022-03-03T00:00:00.000
Violation Code:	3030017 Failed to properly close hazardous waste container(s). 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.173
Record ID:	DEH2002-HUPFP-102129
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102129
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6112760
Return To Compliance Date:	2019-05-14T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-16T01:20:25.000
Inspection Date:	2019-03-14T00:00:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)
Record ID:	DEH2002-HUPFP-102129

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-102129
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6885422
Return To Compliance Date: Not reported
Nov: Not reported
Violation Classification: Not reported
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-04-06T08:38:48.000
Inspection Date: 2022-03-03T00:00:00.000
Violation Code: HMD0001 DISPOSAL AND TRANSPORTATION

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-102129
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6885422
Return To Compliance Date: Not reported
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-16T01:20:25.000
Inspection Date: 2022-03-03T00:00:00.000
Violation Code: HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-102129
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6112760
Return To Compliance Date: 2019-03-20T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-16T01:20:25.000
Inspection Date: 2019-03-14T00:00:00.000
Violation Code: 1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-102129
Program Element: Hazardous Waste Generator

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Inspection Type:	Routine
Inspection Number:	6885422
Return To Compliance Date:	Not reported
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-16T01:20:25.000
Inspection Date:	2022-03-03T00:00:00.000
Violation Code:	3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)

Record ID:	DEH2002-HUPFP-102129
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102129
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6885422
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-16T01:20:25.000
Inspection Date:	2022-03-03T00:00:00.000
Violation Code:	HMD0000 HAZARDOUS MATERIALS REQUIREMENTS

Record ID:	DEH2002-HUPFP-102129
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102129
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4621601
Return To Compliance Date:	2015-04-02T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-16T01:20:25.000
Inspection Date:	2015-03-25T00:00:00.000
Violation Code:	3010002 Failure to obtain and/or maintain an Active EPA ID.; 22 CCR 12 66262.12.

Record ID:	DEH2002-HUPFP-102129
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102129
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6885422
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Last Update: 2022-03-16T01:20:25.000
Inspection Date: 2022-03-03T00:00:00.000
Violation Code: HMD0000 HAZARDOUS WASTE REQUIREMENTS FOR SQGS AND LQGS

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-102129
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6885422
Return To Compliance Date: 2022-03-31T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-04-06T08:41:02.000
Inspection Date: 2022-03-03T00:00:00.000
Violation Code: 3030007 Failed to properly label/date hazardous waste container &/or tank. 22 CCR 66262.34(f)

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-102129
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6885422
Return To Compliance Date: Not reported
Nov: Not reported
Violation Classification: Not reported
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-04-06T08:41:02.000
Inspection Date: 2022-03-03T00:00:00.000
Violation Code: HMD0000 HAZARDOUS WASTE REQUIREMENTS FOR SQGS ONLY

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-102129
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 4621601
Return To Compliance Date: 2015-05-20T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-16T01:20:25.000
Inspection Date: 2015-03-25T00:00:00.000
Violation Code: 1010003 Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page; 19 CCR 4 2729.2(a)(1).

Waste and Materials:
Record ID: DEH2002-HUPFP-102129

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129672
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-04-21T07:27:43.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129673
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-04-21T07:27:43.000
Chemical Name: PROPANE GAS
Common Name: PROPANE GAS
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129674
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-04-21T07:27:43.000
Chemical Name: ACETYLENE GAS
Common Name: ACETYLENE GAS
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0220942
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-03-16T01:20:25.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0190794
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-16T01:20:25.000
Chemical Name: Not reported
Common Name: Motor Oil
Case Number: Not reported

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Child Record Id: DEH2017-HCHEM-0129675
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-04-21T07:27:43.000
Chemical Name: ARGON, CARBON DIOXIDE GAS
Common Name: ARGON, CARBON DIOXIDE GAS
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0108056
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-21T07:27:43.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-102129
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0220943
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-03-16T01:20:25.000
Chemical Name: PROPANE GAS
Common Name: PROPANE GAS
Case Number: 74-98-6

Name: SOUTHBAY FOUNDRY, INC.
Address: 9444 ABRAHAM WY
City,State,Zip: SANTEE, CA 92071
Permit Number: 102129
Business Type: 6HK70
EPA Id Number: Not reported
APN: 381-640-09-00
Last HMMD Inspection: 01/30/2012
Facility Telephone: 619-956-2780
Permit Status: OPEN
Permit Expiration: 08/31/2013
Date Last Updated: 11/02/2012
Facility Owner: SOUTHBAY FOUNDRY, INC
Facility Mailing Address: 9444 ABRAHAM WY
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071-
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 102129

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102129
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON, CARBON DIOXIDE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 102129
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102129
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102129
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 102129
Update Date: 11/02/2012
Inspection Date: 01/30/2012
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

Permit Number: 102129
Update Date: 11/02/2012
Inspection Date: 09/03/2003

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 102129
Update Date: 11/02/2012
Inspection Date: 09/03/2003
Violation Code: 6HV1011
Violation: TRAINING RECORDS NOT AVAILABLE
Violation Citation: Personnel training records not available. 19 CCR 2732
Activity: ACTIVE

Name: SOUTHBAY FOUNDRY, INC.
Address: 9444 ABRAHAM WY
City,State,Zip: SANTEE, CA 92071
Permit Number: 102129
Business Type: 6HK70
EPA Id Number: Not reported
APN: 381-640-09-00
Last HMMD Inspection: 01/30/2012
Facility Telephone: 619-956-2780
Permit Status: OPEN
Permit Expiration: 08/31/2013
Date Last Updated: 11/02/2012
Facility Owner: SOUTHBAY FOUNDRY, INC
Facility Mailing Address: 9444 ABRAHAM WY
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071-
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 102129
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102129
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON, CARBON DIOXIDE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Permit Number: 102129
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102129
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102129
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 102129
Update Date: 11/02/2012
Inspection Date: 01/30/2012
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

Permit Number: 102129
Update Date: 11/02/2012
Inspection Date: 09/03/2003
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 102129
Update Date: 11/02/2012
Inspection Date: 09/03/2003
Violation Code: 6HV1011
Violation: TRAINING RECORDS NOT AVAILABLE
Violation Citation: Personnel training records not available. 19 CCR 2732
Activity: ACTIVE

CERS HAZ WASTE:

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Name: SOUTHBAY FOUNDRY, INC.
Address: 9444 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071
Site ID: 402553
CERS ID: 10376923
CERS Description: Hazardous Waste Generator

CERS:
Name: SOUTHBAY FOUNDRY, INC.
Address: 9444 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071
Site ID: 402553
CERS ID: 10376923
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 402553
Site Name: SOUTHBAY FOUNDRY, INC.
Violation Date: 03-03-2022
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Inspection Sequence ID:6885422
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 402553
Site Name: SOUTHBAY FOUNDRY, INC.
Violation Date: 03-03-2022
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Inspection Sequence ID:6885422
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 402553
Site Name: SOUTHBAY FOUNDRY, INC.
Violation Date: 03-25-2015
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 04/02/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 402553

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Site Name: SOUTHBAY FOUNDRY, INC.
Violation Date: 02-16-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 03/14/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 402553
Site Name: SOUTHBAY FOUNDRY, INC.
Violation Date: 03-14-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 05/14/2019. Inspection Sequence ID:6112760
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 402553
Site Name: SOUTHBAY FOUNDRY, INC.
Violation Date: 03-25-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 05/20/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 402553
Site Name: SOUTHBAY FOUNDRY, INC.
Violation Date: 03-03-2022
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes: Inspection Sequence ID:6885422
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 402553
Site Name: SOUTHBAY FOUNDRY, INC.
Violation Date: 03-25-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

	business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 05/20/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	402553
Site Name:	SOUTHBAY FOUNDRY, INC.
Violation Date:	03-14-2019
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 03/20/2019. Inspection Sequence ID:6112760
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	402553
Site Name:	SOUTHBAY FOUNDRY, INC.
Violation Date:	03-03-2022
Citation:	40 CFR 1 265.171 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.171
Violation Description:	Failure to accumulate hazardous waste in a container that is in good condition.
Violation Notes:	Inspection Sequence ID:6885422
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	402553
Site Name:	SOUTHBAY FOUNDRY, INC.
Violation Date:	03-03-2022
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Inspection Sequence ID:6885422
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	402553
Site Name:	SOUTHBAY FOUNDRY, INC.
Violation Date:	03-03-2022
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Inspection Sequence ID:6885422

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 402553
Site Name: SOUTHBAY FOUNDRY, INC.
Violation Date: 03-03-2022
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Inspection Sequence ID:6885422;Violation:HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 402553
Site Name: SOUTHBAY FOUNDRY, INC.
Violation Date: 03-03-2022
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Inspection Sequence ID:6885422
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 402553
Site Name: SOUTHBAY FOUNDRY, INC.
Violation Date: 03-25-2015
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 05/20/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Williams Cameron Inspection ID:6885422
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6112760

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4621601
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5645979
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6112760
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5645979
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Williams Cameron Inspection ID:6885422
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Santos Steven Inspection ID:4621601
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Coordinates:

Site ID:	402553
Facility Name:	SOUTHBAY FOUNDRY, INC.
Env Int Type Code:	HMBP
Program ID:	10376923
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.848260
Longitude:	-116.964290

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	SOUTH BAY FOUNDRY, INC
Entity Title:	Not reported
Affiliation Address:	9444 ABRAHAM WAY
Affiliation City:	SANTEE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	895 S. Inland Center Dr
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92408
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	JONATHAN DEL MUNDO
Entity Title:	SAFETY MGR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Legal Owner
Entity Name:	SOUTH BAY FOUNDRY INC
Entity Title:	Not reported
Affiliation Address:	895 S. Inland Center Dr
Affiliation City:	San Bernardino

SOUTHBAY FOUNDRY, INC. (Continued) **S105022245**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92408
Affiliation Phone:	(909) 383-1823,
Affiliation Type Desc:	Operator
Entity Name:	SOUTH BAY FOUNDRY, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 956-2780,
Affiliation Type Desc:	Parent Corporation
Entity Name:	SOUTHBAY FOUNDRY, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

L89 **SOUTH BAY FOUNDRY** **RCRA NonGen / NLR** **1024753105**
West **9444 ABRAHAM WAY** **CAC002972916**
1/8-1/4 **SANTEE, CA 92071**
0.207 mi.
1094 ft. **Site 9 of 10 in cluster L**

Relative: **Lower**
Actual: **347 ft.**

RCRA Listings:

Date Form Received by Agency:		20180726
Handler Name:	SOUTH BAY FOUNDRY	
Handler Address:		9444 ABRAHAM WAY
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAC002972916
Contact Name:		JON DEL MUNDO
Contact Address:		9444 ABRAHAM WAY
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-965-2780
Contact Fax:		Not reported
Contact Email:		DANIEL.OSEGUEDA@SAFETY-KLEEN.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9444 ABRAHAM WAY
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	JON DEL MUNDO	
Owner Type:		Other

SOUTH BAY FOUNDRY (Continued) **1024753105**

Operator Name:	JON DEL MUNDO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

SOUTH BAY FOUNDRY (Continued) **1024753105**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: JON DEL MUNDO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9444 ABRAHAM WAY
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-965-2780
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JON DEL MUNDO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9444 ABRAHAM WAY
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-965-2780
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180726
Handler Name: SOUTH BAY FOUNDRY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811198
NAICS Description: ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L90 **SOUTH BAY FOUNDRY INC** **RCRA NonGen / NLR** **1025868660**
West **9444 ABRAHAM WAY** **CAL000378761**
1/8-1/4 **SANTEE, CA 92071**
0.207 mi.
1094 ft. **Site 10 of 10 in cluster L**

Relative: **Lower**

Actual: **347 ft.**

RCRA Listings:

Date Form Received by Agency:		20121004
Handler Name:	SOUTH BAY FOUNDRY INC	
Handler Address:		9444 ABRAHAM WAY
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAL000378761
Contact Name:		LAURA PINEDA
Contact Address:		9444 ABRAHAM WAY
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-956-2780
Contact Fax:		619-956-2788
Contact Email:		LAURAP@SOUTHBAYFOUNDRY.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9444 ABRAHAM WAY
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	SOUTH BAY FOUNDRY INC	
Owner Type:		Other
Operator Name:	LAURA PINEDA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

SOUTH BAY FOUNDRY INC (Continued) **1025868660**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SOUTH BAY FOUNDRY INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9444 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-956-2780
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: LAURA PINEDA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9444 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-956-2780
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SOUTH BAY FOUNDRY INC (Continued) **1025868660**

Historic Generators:
Receive Date: 20121004
Handler Name: SOUTH BAY FOUNDRY INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332323
NAICS Description: ORNAMENTAL AND ARCHITECTURAL METAL WORK MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

P91 **EASTWOOD MACHINE, LLC** **San Diego Co. HMMD** **S118236783**
WSW **9346 ABRAHAM WAY** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SANTEE, CA 92071** **HAZNET**
0.214 mi. **CERS**
1132 ft. **Site 1 of 4 in cluster P** **HWTS**

Relative: Higher
Actual: 356 ft.

HMMD SAN DIEGO:
Name: EASTWOOD MACHINE, LLC
Address: 9346 ABRAHAM WAY
City,State,Zip: SANTEE, CA 92071-2861
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000400233
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-873-3661
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 09/16/2021
Facility Owner: Not reported
Facility Mailing Address: 9346 Abraham Way, Santee, CA 92071
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

EASTWOOD MACHINE, LLC (Continued) **S118236783**

Waste and Materials:

Record ID:	DEH2018-HUPFP-004733
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0232649
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-09-16T02:33:39.000
Chemical Name:	Q-CUT 245C
Common Name:	Coolant
Case Number:	Not reported

Record ID:	DEH2018-HUPFP-004733
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0232650
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-09-16T02:33:39.000
Chemical Name:	Propane
Common Name:	Propane
Case Number:	74-98-6

Record ID:	DEH2018-HUPFP-004733
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0202719
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-09-16T02:33:39.000
Chemical Name:	Q-CUT 245C
Common Name:	Coolant Waste
Case Number:	Not reported

Record ID:	DEH2018-HUPFP-004733
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0232648
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-09-16T02:33:39.000
Chemical Name:	Shell Tonna S3 M 68
Common Name:	Machine and Hydraulic Oil
Case Number:	Not reported

CERS HAZ WASTE:

Name:	EASTWOOD MACHINE, LLC
Address:	9346 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Site ID:	445824
CERS ID:	10776613
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	EASTWOOD MACHINE LLC

EASTWOOD MACHINE, LLC (Continued) **S118236783**

Address: 9346 ABRAHAM WAY
Address 2: Not reported
City,State,Zip: SANTEE, CA 92071
Contact: JOSEPH ODNEAL
Telephone: 6198733661
Mailing Name: Not reported
Mailing Address: 9346 ABRAHAM WAY

Year: 2021
Gepaid: CAL000400233
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 14.84572

Year: 2020
Gepaid: CAL000400233
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 9.38282

Year: 2019
Gepaid: CAL000400233
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 16.70085

Year: 2018
Gepaid: CAL000400233
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 2.75220

Year: 2017
Gepaid: CAL000400233
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 2.40192

Year: 2017
Gepaid: CAL000400233
TSD EPA ID: CAD044429835
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 3.78

Year: 2017

EASTWOOD MACHINE, LLC (Continued) **S118236783**

Gepaid:	CAL000400233
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.2935
Year:	2016
Gepaid:	CAL000400233
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	3.6696
Year:	2015
Gepaid:	CAL000400233
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	4.35765
Year:	2014
Gepaid:	CAL000400233
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.3761

Click this hyperlink while viewing on your computer to access additional CA HAZNET: detail in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAL000400233
Shipment Date:	20171018
Creation Date:	6/20/2018 18:31:46
Receipt Date:	20171020
Manifest ID:	017727142JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.40192
Waste Quantity:	576

EASTWOOD MACHINE, LLC (Continued) **S118236783**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170425
Creation Date:	5/17/2018 18:31:20
Receipt Date:	20170504
Manifest ID:	005892953SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS OF WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170130
Creation Date:	5/9/2018 18:32:44
Receipt Date:	20170202
Manifest ID:	005732384SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS OF WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.78
Waste Quantity:	900
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

EASTWOOD MACHINE, LLC (Continued) **S118236783**

Additional Info:

Year:	2016
Gen EPA ID:	CAL000400233
Shipment Date:	20150922
Creation Date:	11/4/2015 22:15:42
Receipt Date:	20150924
Manifest ID:	004705484SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.06415
Waste Quantity:	495
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150331
Creation Date:	12/30/2015 22:15:30
Receipt Date:	20150603
Manifest ID:	004705486SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015

EASTWOOD MACHINE, LLC (Continued) **S118236783**

Gen EPA ID:	CAL000400233
Shipment Date:	20150922
Creation Date:	11/4/2015 22:15:42
Receipt Date:	20150924
Manifest ID:	004705484SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.06415
Waste Quantity:	495
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150331
Creation Date:	12/30/2015 22:15:30
Receipt Date:	20150603
Manifest ID:	004705486SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000400233
Shipment Date:	20141001

EASTWOOD MACHINE, LLC (Continued) **S118236783**

Creation Date:	12/29/2014 22:15:07
Receipt Date:	20141007
Manifest ID:	004417436SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.3761
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	EASTWOOD MACHINE, LLC
Address:	9346 ABRAHAM WAY
City,State,Zip:	SANTEE, CA 92071
Site ID:	445824
CERS ID:	10776613
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-06-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6116643
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-06-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Denslow Vikki Inspection ID:6116643
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	445824
Facility Name:	Eastwood Machine, LLC
Env Int Type Code:	HMBP
Program ID:	10776613
Coord Name:	Not reported

EASTWOOD MACHINE, LLC (Continued) **S118236783**

Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.846080
Longitude: -116.964370

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Joseph Odneal
Entity Title: Not reported
Affiliation Address: 9346 Abraham Way
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Sara Odneal
Entity Title: Not reported
Affiliation Address: 9346 Abraham Way
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (619) 873-3662,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 9346 Abraham Way
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Sara Odneal
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Eastwood Machine, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Joseph Odneal

EASTWOOD MACHINE, LLC (Continued) **S118236783**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 873-3662,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	Sara Odneal
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	EASTWOOD MACHINE LLC
Address:	9346 ABRAHAM WAY
Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
EPA ID:	CAL000400233
Inactive Date:	Not reported
Create Date:	09/08/2014
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	9346 ABRAHAM WAY
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTEE, CA 92071
Owner Name:	EASTWOOD MACHINE LLC
Owner Address:	9346 ABRAHAM WAY
Owner Address 2:	Not reported
Owner City,State,Zip:	SANTEE, CA 92071
Contact Name:	JOSEPH ODNEAL
Contact Address:	9346 ABRAHAM WAY
Contact Address 2:	Not reported
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.84613
Longitude:	-116.9643195

NAICS:

EASTWOOD MACHINE, LLC (Continued) **S118236783**

EPA ID:	CAL000400233
Create Date:	2014-09-08 11:07:55.310
NAICS Code:	336399
NAICS Description:	All Other Motor Vehicle Parts Manufacturing
Issued EPA ID Date:	2014-09-08 11:07:55.27000
Inactive Date:	Not reported
Facility Name:	EASTWOOD MACHINE LLC
Facility Address:	9346 ABRAHAM WAY
Facility Address 2:	Not reported
Facility City:	SANTEE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92071

P92 **EASTWOOD MACHINE LLC** **RCRA NonGen / NLR** **1024846304**
WSW **9346 ABRAHAM WAY** **CAL000400233**
1/8-1/4 **SANTEE, CA 92071**
0.214 mi.
1132 ft. **Site 2 of 4 in cluster P**

Relative: **Higher**

Actual: **356 ft.**

RCRA Listings:

Date Form Received by Agency:		20140908
Handler Name:	EASTWOOD MACHINE LLC	
Handler Address:		9346 ABRAHAM WAY
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAL000400233
Contact Name:		JOSEPH ODNEAL
Contact Address:		9346 ABRAHAM WAY
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-873-3661
Contact Fax:		619-873-3678
Contact Email:		JOE@EASTWOODMACHINE.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9346 ABRAHAM WAY
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	EASTWOOD MACHINE LLC	
Owner Type:		Other
Operator Name:	JOSEPH ODNEAL	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No

EASTWOOD MACHINE LLC (Continued) **1024846304**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JOSEPH ODNEAL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9346 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-873-3661

EASTWOOD MACHINE LLC (Continued) **1024846304**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: EASTWOOD MACHINE LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9346 ABRAHAM WAY
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-873-3661
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140908
Handler Name: EASTWOOD MACHINE LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Q93 **DISCFLO CORP** **RCRA NonGen / NLR** **1024809923**
SW **10850 HARTLEY RD** **CAL000287207**
1/8-1/4 **SANTEE, CA 92071**
0.214 mi.
1132 ft. **Site 1 of 2 in cluster Q**

Relative: Higher
Actual: 356 ft.

RCRA Listings:
Date Form Received by Agency: 20041014
Handler Name: DISCFLO CORP
Handler Address: 10850 HARTLEY RD
Handler City,State,Zip: SANTEE, CA 92071
EPA ID: CAL000287207
Contact Name: KATIE BAUER
Contact Address: 10850 HARTLEY RD
Contact City,State,Zip: SANTEE, CA 92071

DISCFLO CORP (Continued) **1024809923**

Contact Telephone:		619-596-3181
Contact Fax:		619-449-1990
Contact Email:		RECEPTIONIST@DISCFLO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10850 HARTLEY RD
Mailing City,State,Zip:		SANTEE, CA 92071-2802
Owner Name:	MAX I GURTH	
Owner Type:		Other
Operator Name:	KATIE BAUER	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

DISCFLO CORP (Continued) **1024809923**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: KATIE BAUER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10850 HARTLEY RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-596-3181
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: MAX I GURTH	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10850 HARTLEY RD
Owner/Operator City,State,Zip:	SANTEE, CA 92071-2802
Owner/Operator Telephone:	619-596-3181
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20041014
Handler Name: DISCFLO CORP	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported

DISCFLO CORP (Continued) **1024809923**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 333911
NAICS Description: PUMP AND PUMPING EQUIPMENT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Q94 **DISCFLO CORPORATION** **San Diego Co. HMMD** **S104756044**
SW **10850 HARTLEY RD A** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SANTEE, CA 92071** **CERS**
0.214 mi.
1132 ft. **Site 2 of 2 in cluster Q**

Relative:
Higher

Actual:
356 ft.

HMMD SAN DIEGO:
Name: DISCFLO CORPORATION
Address: 10850 HARTLEY RD A
City,State,Zip: SANTEE, CA 92071
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000287207
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-596-3181
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 03/26/2022
Facility Owner: Not reported
Facility Mailing Address: 10850 Hartley Road , Santee, CA 92071
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-203299
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6828174
Return To Compliance Date: 2022-03-22T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported

DISCFLO CORPORATION (Continued) **S104756044**

Container/Tank Id:	Not reported
Last Update:	2022-03-26T02:02:00.000
Inspection Date:	2021-12-07T00:00:00.000
Violation Code:	1010008 HMBP not certified as complete and accurate in CERS by the required due date. HSC 25508.2, 19 CCR 2654(b)
Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203299
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6828174
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-26T02:02:00.000
Inspection Date:	2021-12-07T00:00:00.000
Violation Code:	HMD0000 HAZARDOUS MATERIALS REQUIREMENTS
Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203299
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4097617
Return To Compliance Date:	2015-02-06T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-26T02:02:00.000
Inspection Date:	2015-01-29T00:00:00.000
Violation Code:	3010002 Failure to obtain and/or maintain an Active EPA ID.; 22 CCR 12 66262.12.
Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203299
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5596396
Return To Compliance Date:	2017-01-08T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-26T02:02:00.000
Inspection Date:	2016-11-30T17:01:00.000
Violation Code:	3030007 Failed to properly label/date hazardous waste container and/or tank. 22 CCR 66262.34(f)
Record ID:	DEH2004-HUPFP-203299

DISCFLO CORPORATION (Continued) **S104756044**

Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203299
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6828174
Return To Compliance Date:	2022-01-11T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-26T02:02:00.000
Inspection Date:	2021-12-07T00:00:00.000
Violation Code:	HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)

Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203299
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4097617
Return To Compliance Date:	2015-03-23T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-26T02:02:00.000
Inspection Date:	2015-01-29T00:00:00.000
Violation Code:	1010002 Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet; HSC 6.95 25508(a)1A

Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203299
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4097617
Return To Compliance Date:	2015-03-23T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-26T02:02:00.000
Inspection Date:	2015-01-29T00:00:00.000
Violation Code:	1010008 Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. For facilities with invenntory that exceed EPCRA thresholds; failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages HSC 6.95 25508.2 / 19 CCR 4 2729.5(c)

Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed

DISCFLO CORPORATION (Continued) **S104756044**

Active Permit: Y
Facility Id Number: 37-000-203299
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5596396
Return To Compliance Date: 2017-01-08T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-26T02:02:00.000
Inspection Date: 2016-11-30T17:01:00.000
Violation Code: 1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-203299
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6054949
Return To Compliance Date: 2019-01-15T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-26T02:02:00.000
Inspection Date: 2018-12-19T18:33:00.000
Violation Code: 1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-203299
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6828174
Return To Compliance Date: 2022-01-11T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-26T02:02:00.000
Inspection Date: 2021-12-07T00:00:00.000
Violation Code: 1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y

DISCFLO CORPORATION (Continued) **S104756044**

Facility Id Number:	37-000-203299
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5596396
Return To Compliance Date:	2016-12-21T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-26T02:02:00.000
Inspection Date:	2016-11-30T17:01:00.000
Violation Code:	HMD0224 Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 22 CCR 66261.7(e),(f)

Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203299
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6828174
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-26T02:02:00.000
Inspection Date:	2021-12-07T00:00:00.000
Violation Code:	HMD0000 HAZARDOUS WASTE REQUIREMENTS FOR SQGS AND LQGS

Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203299
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5596396
Return To Compliance Date:	2017-01-13T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-26T02:02:00.000
Inspection Date:	2016-11-30T17:01:00.000
Violation Code:	3030010 Accumulated waste too long (>180 or 270 days) (>90 days for an acutely hazardous waste). (40 CFR 262.34(e) and (f).) HSC 25201(a); 22 CCR 66262.34(d)

Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203299
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6828174
Return To Compliance Date:	Not reported
Nov:	Not reported

DISCFLO CORPORATION (Continued) **S104756044**

Violation Classification: Not reported
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-03-26T02:02:00.000
Inspection Date: 2021-12-07T00:00:00.000
Violation Code: HMD0001 RECORD KEEPING/OPERATIONAL REQUIREMENTS

Waste and Materials:
Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0139145
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T10:34:28.000
Chemical Name: ARGON/CARBON DIOXIDE MIG MIX/ STEEL MIX
Common Name: ARGON/CARBON DIOXIDE MIG MIX/ STEEL MIX
Case Number: 7440-37-1

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0117991
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:34:28.000
Chemical Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Common Name: SPENT SAND BLAST MEDIA
Case Number: Not reported

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0117992
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:34:28.000
Chemical Name: WASTE 461 PAINT SLUDGE
Common Name: WASTE 461 PAINT SLUDGE
Case Number: Not reported

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0117993
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:34:28.000
Chemical Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name: MACHINING COOLANT WASTE & WAYLUBE
Case Number: Not reported

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125527
Trade Secret: N

DISCFLO CORPORATION (Continued) **S104756044**

Hazardous Material Type: Pure
Last Updated: 2017-01-18T02:35:15.000
Chemical Name: HYDROTREATED MINERAL OIL
Common Name: VALCOOL UNT 800
Case Number: 64742-52-5

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125525
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-18T02:35:15.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125526
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-18T02:35:15.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125528
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-18T02:35:15.000
Chemical Name: ARGON/CARBON DIOXIDE MIG MIX/ STEEL MIX
Common Name: ARGON/CARBON DIOXIDE MIG MIX/ STEEL MIX
Case Number: 7440-37-1

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104348
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-18T02:35:15.000
Chemical Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Common Name: SPENT SAND BLAST MEDIA
Case Number: Not reported

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104349
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-18T02:35:15.000

DISCFLO CORPORATION (Continued) **S104756044**

Chemical Name: WASTE 461 PAINT SLUDGE
Common Name: WASTE 461 PAINT SLUDGE
Case Number: Not reported

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104350
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-18T02:35:15.000
Chemical Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name: MACHINING COOLANT WASTE & WAYLUBE
Case Number: Not reported

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104351
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-18T02:35:15.000
Chemical Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Common Name: SANDING DUST/PAINT BOOTH FILTERS
Case Number: Not reported

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0324393
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-03-26T02:02:00.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0324394
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-03-26T02:02:00.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0324395
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-03-26T02:02:00.000
Chemical Name: HYDROTREATED MINERAL OIL
Common Name: COOLANT

DISCFLO CORPORATION (Continued) **S104756044**

Case Number: 64742-52-5

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0324396
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-03-26T02:02:00.000
Chemical Name: ARGON/CARBON DIOXIDE MIG MIX/ STEEL MIX
Common Name: ARGON/CARBON DIOXIDE MIG MIX/ STEEL MIX
Case Number: 7440-37-1

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0324397
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-03-26T02:02:00.000
Chemical Name: Phenol, isobutylenated phosphate
Common Name: Hydraulic Oil/Way Lube
Case Number: 68937-40-6

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0291612
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-26T02:02:00.000
Chemical Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Common Name: SPENT SAND BLAST MEDIA
Case Number: Not reported

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0291613
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-26T02:02:00.000
Chemical Name: WASTE 461 PAINT SLUDGE
Common Name: WASTE 461 PAINT SLUDGE
Case Number: Not reported

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0291614
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-26T02:02:00.000
Chemical Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name: COOLANT WASTE & WAY LUBE
Case Number: Not reported

DISCFLO CORPORATION (Continued) **S104756044**

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0291615
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-26T02:02:00.000
Chemical Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Common Name: PAINT BOOTH FILTERS
Case Number: Not reported

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205849
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-02-11T02:30:13.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205850
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-02-11T02:30:13.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205851
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-02-11T02:30:13.000
Chemical Name: HYDROTREATED MINERAL OIL
Common Name: COOLANT
Case Number: 64742-52-5

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205852
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-02-11T02:30:13.000
Chemical Name: ARGON/CARBON DIOXIDE MIG MIX/ STEEL MIX
Common Name: ARGON/CARBON DIOXIDE MIG MIX/ STEEL MIX
Case Number: 7440-37-1

Record ID: DEH2004-HUPFP-203299
Permit Status: Permit Renewed

DISCFLO CORPORATION (Continued) **S104756044**

Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0205853
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2022-02-11T02:30:13.000
Chemical Name:	Phenol, isobutylenated phosphate
Common Name:	Hydraulic Oil/Way Lube
Case Number:	68937-40-6
Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0177774
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-02-11T02:30:13.000
Chemical Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Common Name:	SPENT SAND BLAST MEDIA
Case Number:	Not reported
Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0177775
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-02-11T02:30:13.000
Chemical Name:	WASTE 461 PAINT SLUDGE
Common Name:	WASTE 461 PAINT SLUDGE
Case Number:	Not reported
Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0177776
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-02-11T02:30:13.000
Chemical Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name:	COOLANT WASTE & WAY LUBE
Case Number:	Not reported
Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0177777
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-02-11T02:30:13.000
Chemical Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Common Name:	PAINT BOOTH FILTERS
Case Number:	Not reported
Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0139142

DISCFLO CORPORATION (Continued) **S104756044**

Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-10-25T10:34:28.000
Chemical Name:	OXYGEN GAS
Common Name:	OXYGEN GAS
Case Number:	7782-44-7
Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0139143
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-10-25T10:34:28.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	68476-85-7
Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0139144
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-10-25T10:34:28.000
Chemical Name:	HYDROTREATED MINERAL OIL
Common Name:	VALCOOL UNT 800
Case Number:	64742-52-5
Record ID:	DEH2004-HUPFP-203299
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0117994
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-10-25T10:34:28.000
Chemical Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Common Name:	SANDING DUST/PAINT BOOTH FILTERS
Case Number:	Not reported

Name:	DISCFLO CORPORATION
Address:	10850 HARTLEY RD
City,State,Zip:	SANTEE, CA 92071
Permit Number:	203299
Business Type:	6HK35
EPA Id Number:	CAL000287207
APN:	381-640-28-00
Last HMMD Inspection:	07/28/2011
Facility Telephone:	619-596-3181
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	DISCFLO CORPORATION
Facility Mailing Address:	10850 HARTLEY RD
Facility Mailing City:	SANTEE
Facility Mailing State:	CA

DISCFLO CORPORATION (Continued) **S104756044**

Facility Mailing Zip:	92071
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	203299
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON/CARBON DIOXIDE MIG MIX/ STEEL MIX
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	203299
Update Date:	11/02/2012
Case Number:	64742-52-5
Name:	HYDROTREATED MINERAL OIL
Other Information:	VALCOOL UNT 800
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	203299
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	203299
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	203299
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	SANDING DUST/PAINT BOOTH FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	203299
Update Date:	11/02/2012
Case Number:	Not reported

DISCFLO CORPORATION (Continued) **S104756044**

Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	SPENT SAND BLAST MEDIA
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	203299
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	MACHINING COOLANT WASTE & WAYLUBE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	203299
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	203299
Update Date:	11/02/2012
Inspection Date:	09/15/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	203299
Update Date:	11/02/2012
Inspection Date:	08/31/2006
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE
Permit Number:	203299
Update Date:	11/02/2012
Inspection Date:	08/31/2006
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	203299
Update Date:	11/02/2012
Inspection Date:	08/31/2006

DISCFLO CORPORATION (Continued) **S104756044**

Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Permit Number: 203299
Update Date: 11/02/2012
Inspection Date: 08/31/2006
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Name: DISCFLO CORPORATION
Address: 10850 HARTLEY RD
City,State,Zip: SANTEE, CA 92071
Permit Number: 203299
Business Type: 6HK35
EPA Id Number: CAL000287207
APN: 381-640-28-00
Last HMMD Inspection: 07/28/2011
Facility Telephone: 619-596-3181
Permit Status: OPEN
Permit Expiration: 01/31/2013
Date Last Updated: 11/02/2012
Facility Owner: DISCFLO CORPORATION
Facility Mailing Address: 10850 HARTLEY RD
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 203299
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON/CARBON DIOXIDE MIG MIX/ STEEL MIX
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 203299
Update Date: 11/02/2012
Case Number: 64742-52-5
Name: HYDROTREATED MINERAL OIL
Other Information: VALCOOL UNT 800
Material Waste: Material
Hazardous Categories 1: FIRE

DISCFLO CORPORATION (Continued) **S104756044**

Hazardous Categories 2: ACUTE

Permit Number: 203299
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 203299
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 203299
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SANDING DUST/PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 203299
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SPENT SAND BLAST MEDIA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 203299
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: MACHINING COOLANT WASTE & WAYLUBE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 203299
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

DISCFLO CORPORATION (Continued) **S104756044**

Violations Active Permits:

Permit Number:	203299
Update Date:	11/02/2012
Inspection Date:	09/15/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Permit Number:	203299
Update Date:	11/02/2012
Inspection Date:	08/31/2006
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE

Permit Number:	203299
Update Date:	11/02/2012
Inspection Date:	08/31/2006
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE

Permit Number:	203299
Update Date:	11/02/2012
Inspection Date:	08/31/2006
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

Permit Number:	203299
Update Date:	11/02/2012
Inspection Date:	08/31/2006
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

CERS HAZ WASTE:

Name:	DISCFLO CORPORATION
Address:	10850 HARTLEY RD
City,State,Zip:	SANTEE, CA 92071
Site ID:	391460
CERS ID:	10377073
CERS Description:	Hazardous Waste Generator

DISCFLO CORPORATION (Continued) **S104756044**

CERS:

Name:	DISCFLO CORPORATION
Address:	10850 HARTLEY RD
City,State,Zip:	SANTEE, CA 92071
Site ID:	391460
CERS ID:	10377073
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	391460
Site Name:	DISCFLO CORPORATION
Violation Date:	11-30-2016
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 01/13/2017. Inspection Sequence ID:5596396
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	391460
Site Name:	DISCFLO CORPORATION
Violation Date:	11-30-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/08/2017. Inspection Sequence ID:5596396
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	391460
Site Name:	DISCFLO CORPORATION
Violation Date:	11-30-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 01/08/2017. Inspection Sequence ID:5596396
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

DISCFLO CORPORATION (Continued) **S104756044**

Site ID:	391460
Site Name:	DISCFLO CORPORATION
Violation Date:	12-07-2021
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 03/22/2022. Inspection Sequence ID:6828174
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	391460
Site Name:	DISCFLO CORPORATION
Violation Date:	12-19-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 01/15/2019. Inspection Sequence ID:6054949
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	391460
Site Name:	DISCFLO CORPORATION
Violation Date:	01-29-2015
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 02/06/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	391460
Site Name:	DISCFLO CORPORATION
Violation Date:	12-07-2021
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 01/11/2022. Inspection Sequence ID:6828174;Violation:HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	391460
Site Name:	DISCFLO CORPORATION
Violation Date:	01-29-2015
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)

DISCFLO CORPORATION (Continued) **S104756044**

Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/23/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 391460
Site Name: DISCFLO CORPORATION
Violation Date: 01-29-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 03/23/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 391460
Site Name: DISCFLO CORPORATION
Violation Date: 12-07-2021
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 01/11/2022. Inspection Sequence ID:6828174
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 391460
Site Name: DISCFLO CORPORATION
Violation Date: 11-30-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 12/21/2016. Inspection Sequence ID:5596396;Violation:HMD0224 Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 22 CCR 66261.7(e),(f)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6054949
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

DISCFLO CORPORATION (Continued) **S104756044**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kasprovich Christina Inspection ID:4097617
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-07-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6828174
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-07-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6828174
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kasprovich Christina Inspection ID:4097617
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5596396
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:6054949
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2016
Violations Found: Yes

DISCFLO CORPORATION (Continued) **S104756044**

Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5596396
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	391460
Facility Name:	DISCFLO CORPORATION
Env Int Type Code:	HMBP
Program ID:	10377073
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.845380
Longitude:	-116.963520

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Vincent P Moore
Entity Title:	Not reported
Affiliation Address:	10850 Hartley Road
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	10850 Hartley Road
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Document Preparer
Entity Name:	Xochitl Ruiz
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

DISCFLO CORPORATION (Continued) **S104756044**

Affiliation Type Desc:	Identification Signer
Entity Name:	Xochitl Ruiz
Entity Title:	President/CEO
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	DISCFLO CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Vince Moore
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 596-3181,

Affiliation Type Desc:	Property Owner
Entity Name:	GURTH REVOCABLE TRUST 06-13-88
Entity Title:	Not reported
Affiliation Address:	10850 Hartley Road
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 596-3181,

Affiliation Type Desc:	Legal Owner
Entity Name:	Max Gurth
Entity Title:	Not reported
Affiliation Address:	10850 Hartley Road
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 596-3181,

95
ESE
1/8-1/4
0.216 mi.
1142 ft.

CHARLES HELMER
9247 VIA ANITA
SANTEE, CA 92071

RCRA NonGen / NLR

1026167789
CAC003067834

Relative:
Higher

Actual:
397 ft.

RCRA Listings:

Date Form Received by Agency:		20200521
Handler Name:	CHARLES HELMER	
Handler Address:		9247 VIA ANITA
Handler City,State,Zip:		SANTEE, CA 92071-4700
EPA ID:		CAC003067834
Contact Name:		CHARLES HELMER
Contact Address:		9247 VIA ANITA
Contact City,State,Zip:		SANTEE, CA 92071-4700
Contact Telephone:		619-277-3460
Contact Fax:		Not reported
Contact Email:		LUCIANNAVILLAREAL@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9247 VIA ANITA
Mailing City,State,Zip:		SANTEE, CA 92071-4700
Owner Name:	CHARLES HELMER	
Owner Type:		Other
Operator Name:	CHARLES HELMER	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CHARLES HELMER (Continued) **1026167789**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHARLES HELMER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9247 VIA ANITA
Owner/Operator City,State,Zip:	SANTEE, CA 92071-4700
Owner/Operator Telephone:	619-277-3460
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: CHARLES HELMER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9247 VIA ANITA
Owner/Operator City,State,Zip:	SANTEE, CA 92071-4700
Owner/Operator Telephone:	619-277-3460
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CHARLES HELMER (Continued) **1026167789**

Historic Generators:
- Receive Date: 20200521
- Handler Name: CHARLES HELMER
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

96
ESE
1/8-1/4
0.220 mi.
1159 ft.

AMY SKINNER **RCRA NonGen / NLR** **1025845204**
9240 NORTHCOTE ROAD **CAC003024825**
SANTEE, CA 92071

Relative: Higher

Actual: 389 ft.

RCRA Listings:
- Date Form Received by Agency: 20190719
- Handler Name: AMY SKINNER
- Handler Address: 9240 NORTHCOTE ROAD
- Handler City,State,Zip: SANTEE, CA 92071-4709
- EPA ID: CAC003024825
- Contact Name: AMY SKINNER
- Contact Address: 9240 NORTHCOTE ROAD
- Contact City,State,Zip: SANTEE, CA 92071-4709
- Contact Telephone: 619-457-8231
- Contact Fax: Not reported
- Contact Email: AMYSKINNER2@HOTMAIL.COM
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Not reported
- Federal Waste Generator Description: Not a generator, verified
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Handler Activities
- State District Owner: Not reported
- State District: Not reported
- Mailing Address: 9240 NORTHCOTE ROAD
- Mailing City,State,Zip: SANTEE, CA 92071-4709
- Owner Name: AMY SKINNER

AMY SKINNER (Continued) **1025845204**

Owner Type:		Other
Operator Name:	AMY SKINNER	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20190729
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

AMY SKINNER (Continued) **1025845204**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: AMY SKINNER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9240 NORTHCOTE ROAD
Owner/Operator City,State,Zip: SANTEE, CA 92071-4709
Owner/Operator Telephone: 619-457-8231
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: AMY SKINNER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9240 NORTHCOTE ROAD
Owner/Operator City,State,Zip: SANTEE, CA 92071-4709
Owner/Operator Telephone: 619-457-8231
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190719
Handler Name: AMY SKINNER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

R97 **VISION SYSTEMS INC** **RCRA-LQG** **1019899720**
ENE **11322 WOODSIDE AVE NORTH** **CAR000268656**
1/8-1/4 **SANTEE, CA 92071**
0.220 mi.
1161 ft. **Site 1 of 2 in cluster R**

Relative: **Higher**

Actual: **361 ft.**

RCRA Listings:

Date Form Received by Agency:		20220225
Handler Name:	VISION SYSTEMS INC	
Handler Address:		11322 WOODSIDE AVE NORTH
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAR000268656
Contact Name:		DUANE HOLLANDER
Contact Address:		WOODSIDE AVE NORTH
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-258-7300 x224
Contact Fax:		619-562-2630
Contact Email:		DUANE.HOLLANDER@VISIONSYSTEMS.COM
Contact Title:		ADMINISTRATOR
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2021
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		WOODSIDE AVE NORTH
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	VISION SYSTEMS, INC.	
Owner Type:		Private
Operator Name:	STEVEN M LEHMAN	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

VISION SYSTEMS INC (Continued) **1019899720**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220525
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008

VISION SYSTEMS INC (Continued) **1019899720**

Waste Description: LEAD

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: VISION SYSTEMS INC
Legal Status: Private
Date Became Current: 20151201
Date Ended Current: Not reported
Owner/Operator Address: 11322 WOODSIDE AVE NORTH
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-258-7300
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: VISION SYSTEMS INC
Legal Status: Private
Date Became Current: 20161101
Date Ended Current: Not reported
Owner/Operator Address: 11322 WOODSIDE AVE NORTH
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-258-7300
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: STEVEN M LEHMAN
Legal Status: Private
Date Became Current: 20170601
Date Ended Current: Not reported
Owner/Operator Address: 11322 WOODSIDE AVE NORTH

VISION SYSTEMS INC (Continued) **1019899720**

Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-258-7300
Owner/Operator Telephone Ext: 238
Owner/Operator Fax: Not reported
Owner/Operator Email: STEVE.LEHMAN@VISIONSYSTEMS.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: VISION SYSTEMS, INC.
Legal Status: Private
Date Became Current: 20170601
Date Ended Current: Not reported
Owner/Operator Address: 11322 WOODSIDE AVE NORTH
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-258-7300
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: JUDITH.SLACK@VISIONSYSTEMS.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: VISION SYSTEMS, INC.
Legal Status: Private
Date Became Current: 20170601
Date Ended Current: Not reported
Owner/Operator Address: 11322 WOODSIDE AVE NORTH
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-258-7300
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: JUDITH.SLACK@VISIONSYSTEMS.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: STEVEN M LEHMAN
Legal Status: Private
Date Became Current: 20170601
Date Ended Current: Not reported
Owner/Operator Address: 11322 WOODSIDE AVE NORTH
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-258-7300
Owner/Operator Telephone Ext: 238
Owner/Operator Fax: Not reported
Owner/Operator Email: STEVE.LEHMAN@VISIONSYSTEMS.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: VISION SYSTEMS, INC.
Legal Status: Private
Date Became Current: 20170601
Date Ended Current: Not reported
Owner/Operator Address: 11322 WOODSIDE AVE NORTH
Owner/Operator City,State,Zip: SANTEE, CA 92071
Owner/Operator Telephone: 619-258-7300
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: JUDITH.SLACK@VISIONSYSTEMS.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: STEVEN M LEHMAN
Legal Status: Private

VISION SYSTEMS INC (Continued) **1019899720**

Date Became Current:	20170601
Date Ended Current:	Not reported
Owner/Operator Address:	11322 WOODSIDE AVE NORTH
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-258-7300
Owner/Operator Telephone Ext:	238
Owner/Operator Fax:	Not reported
Owner/Operator Email:	STEVE.LEHMAN@VISIONSYSTEMS.COM

Historic Generators:

Receive Date:	20180227
Handler Name: VISION SYSTEMS INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20200220
Handler Name: VISION SYSTEMS INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20220225
Handler Name: VISION SYSTEMS INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20161110
Handler Name: VISION SYSTEMS INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

VISION SYSTEMS INC (Continued) **1019899720**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332321
NAICS Description: METAL WINDOW AND DOOR MANUFACTURING

NAICS Code: 332812
NAICS Description: METAL COATING, ENGRAVING (EXCEPT JEWELRY AND SILVERWARE), AND ALLIED SERVICES TO MANUFACTURERS

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20170913
Evaluation Responsible Agency: State
Found Violation: No

VISION SYSTEMS INC (Continued) **1019899720**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

R98 **VISION SYSTEMS** **CERS HAZ WASTE** **S112867431**
ENE **11322 WOODSIDE AVENUE NORTH** **NPDES** **N/A**
1/8-1/4 **SANTEE, CA 92071** **CIWQS**
0.220 mi. **CERS**
1161 ft. **Site 2 of 2 in cluster R**

Relative: **Higher**
Actual: **361 ft.**

CERS HAZ WASTE:

Name:	VISION SYSTEMS, INC.
Address:	11322 WOODSIDE AVE N
City,State,Zip:	SANTEE, CA 92071
Site ID:	412665
CERS ID:	10712536
CERS Description:	Hazardous Waste Generator

Name:	VISION SYSTEMS, INC.
Address:	11322 WOODSIDE AVE N
City,State,Zip:	SANTEE, CA 92071
Site ID:	412665
CERS ID:	10712536
CERS Description:	RCRA LQ HW Generator

Name:	VISION SYSTEMS, INC.
Address:	11322 WOODSIDE AVE N
City,State,Zip:	SANTEE, CA 92071
Site ID:	412665
CERS ID:	10712536
CERS Description:	Hazardous Waste Onsite Treatment

NPDES:

Name:	VISION SYSTEMS
Address:	11322 WOODSIDE AVENUE NORTH
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37NEC003397
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported

VISION SYSTEMS (Continued) **S112867431**

Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	07/18/2017
Operator Name:	Vision Systems
Operator Address:	11322 Woodside Avenue North
Operator City:	Santee
Operator State:	California
Operator Zip:	92071

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	488858
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37NEC003397
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	07/12/2017
Processed Date:	07/18/2017
Status:	Active
Status Date:	07/18/2017
Place Size:	7.5
Place Size Unit:	Acres
Contact:	Judith Slack
Contact Title:	Environmental
Contact Phone:	619-258-7300
Contact Phone Ext:	Not reported
Contact Email:	judith.slack@visionsystems.com
Operator Name:	Vision Systems
Operator Address:	11322 Woodside Avenue North
Operator City:	Santee
Operator State:	California
Operator Zip:	92071
Operator Contact:	Steven Lehman
Operator Contact Title:	General Manager
Operator Contact Phone:	619-258-7300
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	steve.lehman@visionsystems.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported

VISION SYSTEMS (Continued) **S112867431**

Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	619-992-2226
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Steven Lehman
Certifier Title:	Vice President Operations Manager
Certification Date:	12-JUL-17
Primary Sic:	3446-Architectural and Ornamental Metal Work
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	488858
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37NEC003397
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/18/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Vision Systems
Discharge Address:	11322 Woodside Avenue North
Discharge City:	Santee
Discharge State:	California
Discharge Zip:	92071
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported

VISION SYSTEMS (Continued) **S112867431**

Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	VISION SYSTEMS
Address:	11322 WOODSIDE AVENUE NORTH
City,State,Zip:	SANTEE, CA 92071
Facility Status:	Active
NPDES Number:	CAS000001

VISION SYSTEMS (Continued) **S112867431**

Region:	9
Agency Number:	0
Regulatory Measure ID:	488858
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	9 37NEC003397
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/18/2017
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	11322 Woodside Avenue North
Discharge Name:	Vision Systems
Discharge City:	Santee
Discharge State:	California
Discharge Zip:	92071
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	488858
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37NEC003397
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	07/12/2017
Processed Date:	07/18/2017
Status:	Active
Status Date:	07/18/2017
Place Size:	7.5
Place Size Unit:	Acres
Contact:	Judith Slack
Contact Title:	Environmental
Contact Phone:	619-258-7300
Contact Phone Ext:	Not reported
Contact Email:	judith.slack@visionsystems.com
Operator Name:	Vision Systems
Operator Address:	11322 Woodside Avenue North

VISION SYSTEMS (Continued) **S112867431**

Operator City:	Santee
Operator State:	California
Operator Zip:	92071
Operator Contact:	Steven Lehman
Operator Contact Title:	General Manager
Operator Contact Phone:	619-258-7300
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	steve.lehman@visionsystems.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	619-992-2226
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Steven Lehman
Certifier Title:	Vice President Operations Manager
Certification Date:	12-JUL-17
Primary Sic:	3446-Architectural and Ornamental Metal Work
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	488858
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37NEC003397
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/18/2017
Expiration Date Of Regulatory Measure:	Not reported

VISION SYSTEMS (Continued) **S112867431**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Vision Systems
Discharge Address:	11322 Woodside Avenue North
Discharge City:	Santee
Discharge State:	California
Discharge Zip:	92071
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported

VISION SYSTEMS (Continued) **S112867431**

Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	VISION SYSTEMS
Address:	11322 WOODSIDE AVENUE NORTH
City,State,Zip:	SANTEE, CA 92071
Agency:	Vision Systems
Agency Address:	11322 Woodside Avenue North, Santee, CA 92071
Place/Project Type:	Industrial - Architectural and Ornamental Metal Work
SIC/NAICS:	3446
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37NEC003397
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	07/18/2017
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.849968
Longitude:	-116.951994

CERS:

Name:	VISION SYSTEMS, INC.
Address:	11322 WOODSIDE AVE N
City,State,Zip:	SANTEE, CA 92071
Site ID:	412665
CERS ID:	10712536
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-13-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: McLernon Benjamin Inspection ID:5802436
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-28-2020
Violations Found:	No
Eval Type:	Routine done by local agency

VISION SYSTEMS (Continued) **S112867431**

Eval Notes:	Inspector: Zahra Alaaeddine Inspection ID:6261049
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-13-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: McLernon Benjamin Inspection ID:5802436
Eval Division:	San Diego County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-13-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: McLernon Benjamin Inspection ID:5802436
Eval Division:	San Diego County Department of Env Health
Eval Program:	PBR
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-28-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Zahra Alaaeddine Inspection ID:6261049
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-13-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: McLernon Benjamin Inspection ID:5802436
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-28-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Zahra Alaaeddine Inspection ID:6261049
Eval Division:	San Diego County Department of Env Health
Eval Program:	PBR
Eval Source:	CERS,

Coordinates:

Site ID:	412665
Facility Name:	Vision Systems, Inc.
Env Int Type Code:	HMBP
Program ID:	10712536
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,

VISION SYSTEMS (Continued) **S112867431**

Latitude: 32.849650
Longitude: -116.954960

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 11322 Woodside Ave North
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Cuyamaca West Partners, LLC
Entity Title: Not reported
Affiliation Address: 11322 Woodside Ave North
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (619) 258-7300,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Environmental Contact
Entity Name: Judith Slack
Entity Title: Not reported
Affiliation Address: 11322 Woodside Ave N
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92071
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Judith Slack
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Steven M Lehman
Entity Title: Vice President, Operations

VISION SYSTEMS (Continued) **S112867431**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Craig Douglas
Entity Title:	Environmental Compliance
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Fred Witte
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Steven M Lehman
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 258-7300,
Affiliation Type Desc:	Legal Owner
Entity Name:	Steven M Lehman
Entity Title:	Not reported
Affiliation Address:	11322 Woodside Ave North
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92071
Affiliation Phone:	(619) 258-7300,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Steven M.Lehman
Entity Title:	Vice President, Operations
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

VISION SYSTEMS (Continued) **S112867431**

Affiliation Type Desc:	Parent Corporation
Entity Name:	VISION SYSTEMS INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	VISION SYSTEMS
Address:	11322 WOODSIDE AVENUE NORTH
City,State,Zip:	SANTEE, CA 92071
Site ID:	546202
CERS ID:	857284
CERS Description:	Industrial Facility Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Vision Systems
Entity Title:	Operator
Affiliation Address:	11322 Woodside Avenue North
Affiliation City:	Santee
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92071
Affiliation Phone:	,

P99 **A-I-M PLASTICS INC** **RCRA NonGen / NLR** **1024798672**
WSW **9326 ABRAHAM WAY** **CAL000205165**
1/8-1/4 **SANTEE, CA 92071**
0.225 mi.
1188 ft. **Site 3 of 4 in cluster P**

Relative:
Higher

Actual:
356 ft.

RCRA Listings:

Date Form Received by Agency:		20000920
Handler Name:	A-I-M PLASTICS INC	
Handler Address:		9326 ABRAHAM WAY
Handler City,State,Zip:		SANTEE, CA 92071-0000
EPA ID:		CAL000205165
Contact Name:		CAROL SELBY
Contact Address:		9326 ABRAHAM WAY
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-562-1164
Contact Fax:		619-562-1254
Contact Email:		CAROLAIM@PACBELL.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported

A-I-M PLASTICS INC (Continued) **1024798672**

Mailing Address:		9326 ABRAHAM WAY
Mailing City,State,Zip:		SANTEE, CA 92071-0000
Owner Name:	AIM PLASTICS INC	
Owner Type:		Other
Operator Name:	CAROL SELBY	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20180905
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No

A-I-M PLASTICS INC (Continued) **1024798672**

Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: AIM PLASTICS INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9326 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071-1949
Owner/Operator Telephone:	619-562-1164
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: CAROL SELBY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9326 ABRAHAM WAY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-1164
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20000920
Handler Name: A-I-M PLASTICS INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	326121
NAICS Description:	UNLAMINATED PLASTICS PROFILE SHAPE MANUFACTURING
NAICS Code:	326122
NAICS Description:	PLASTICS PIPE AND PIPE FITTING MANUFACTURING
NAICS Code:	326199
NAICS Description:	ALL OTHER PLASTICS PRODUCT MANUFACTURING
NAICS Code:	337215

A-I-M PLASTICS INC (Continued) **1024798672**

NAICS Description: SHOWCASE, PARTITION, SHELVING, AND LOCKER MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

P100 **ALTS TOOL AND MACHINE** **RCRA-SQG** **1000905298**
SW **9316 ABRAHAM WY** **San Diego Co. HMMD** **CA0000477877**
1/8-1/4 **SANTEE, CA 92071** **FINDS**
0.238 mi. **ECHO**
1258 ft. **Site 4 of 4 in cluster P**

Relative:
Higher

Actual:
356 ft.

RCRA Listings:

Date Form Received by Agency:		19940726
Handler Name:	ALTS TOOL AND MACHINE	
Handler Address:		9316 ABRAHAM WY
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CA0000477877
Contact Name:		BRETT CAYLOR
Contact Address:		9316 ABRAHAM WY
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-562-6653
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		ABRAHAM WY
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	DEAN R ALT	
Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported

ALTS TOOL AND MACHINE (Continued) **1000905298**

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: DEAN R ALT	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9316 ABRAHAM WY
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-562-6653
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ALTS TOOL AND MACHINE (Continued) **1000905298**

Historic Generators:
Receive Date: 19940726
Handler Name: ALTS TOOL AND MACHINE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HMMD SAN DIEGO:
Name: ALT'S TOOL
Address: 9316 ABRAHAM WY
City,State,Zip: SANTEE, CA 92071
Permit Number: 134173
Business Type: 6HK35
EPA Id Number: CAL000141342
APN: 381-640-01-00
Last HMMD Inspection: 03/10/1998
Facility Telephone: 619-562-6653
Permit Status: INAC
Permit Expiration: 10/31/1998
Date Last Updated: 11/02/2012
Facility Owner: DEAN ALT
Facility Mailing Address: 9316 ABRAHAM WY
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Name: ALT'S TOOL
Address: 9316 ABRAHAM WY
City,State,Zip: SANTEE, CA 92071
Permit Number: 134175
Business Type: 6HK35

ALTS TOOL AND MACHINE (Continued) **1000905298**

EPA Id Number:	Not reported
APN:	381-640-01-00
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	08/31/2002
Date Last Updated:	11/02/2012
Facility Owner:	DEAN ALT
Facility Mailing Address:	9316 ABRAHAM WY
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

FINDS:
Registry ID: 110002618490

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000905298
Registry ID:	110002618490
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002618490
Name:	ALTS TOOL AND MACHINE
Address:	9316 ABRAHAM WY
City,State,Zip:	SANTEE, CA 92071

101
SE
1/8-1/4
0.246 mi.
1297 ft.

CARLOS MERCADO **RCRA NonGen / NLR** **1026482808**
9211 BLOOMDALE ST **CAC003088865**
SANTEE, CA 92071

Relative: Higher

Actual: 399 ft.

RCRA Listings:

Date Form Received by Agency:		20201016
Handler Name:	CARLOS MERCADO	
Handler Address:		9211 BLOOMDALE ST
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAC003088865
Contact Name:		CARLOS MERCADO
Contact Address:		9211 BLOOMDALE ST

CARLOS MERCADO (Continued) **1026482808**

Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-882-4749
Contact Fax:		Not reported
Contact Email:		JSLATEN@UENVINC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9211 BLOOMDALE ST
Mailing City,State,Zip:		SANTEE, CA 92071
Owner Name:	CARLOS MERCADO	
Owner Type:		Other
Operator Name:	CARLOS MERCADO	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No

CARLOS MERCADO (Continued) **1026482808**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201026
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CARLOS MERCADO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9211 BLOOMDALE ST
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-882-4749
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: CARLOS MERCADO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9211 BLOOMDALE ST
Owner/Operator City,State,Zip:	SANTEE, CA 92071
Owner/Operator Telephone:	619-882-4749
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20201016
Handler Name: CARLOS MERCADO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

CARLOS MERCADO (Continued) **1026482808**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

102 East 1/8-1/4 0.247 mi. 1303 ft.

SPECIALTY METALS FABRICATION INC **RCRA NonGen / NLR** **1024813849**
11222 WOODSIDE AVE **CAL000305980**
SANTEE, CA 92071

Relative: Higher

Actual: 366 ft.

RCRA Listings:

Date Form Received by Agency:		20060426
Handler Name:	SPECIALTY METALS FABRICATION INC	
Handler Address:		11222 WOODSIDE AVE
Handler City,State,Zip:		SANTEE, CA 92071
EPA ID:		CAL000305980
Contact Name:		KARLI JOHNSON
Contact Address:		11222 WOODSIDE AVE N
Contact City,State,Zip:		SANTEE, CA 92071
Contact Telephone:		619-937-6100
Contact Fax:		619-448-0179
Contact Email:		KARLI@SPECIALTYMETALSFAB.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11222 WOODSIDE AVE N
Mailing City,State,Zip:		SANTEE, CA 92071-0000
Owner Name:	DICK BUXTON	
Owner Type:		Other
Operator Name:	KARLI JOHNSON	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No

SPECIALTY METALS FABRICATION INC (Continued) **1024813849**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: KARLI JOHNSON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11222 WOODSIDE AVE N
Owner/Operator City,State,Zip:	SANTEE, CA 92071

SPECIALTY METALS FABRICATION INC (Continued) **1024813849**

Owner/Operator Telephone:	619-937-6100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: DICK BUXTON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11222 WOODSIDE AVE NORTH
Owner/Operator City,State,Zip:	SANTEE, CA 92071-0000
Owner/Operator Telephone:	619-937-6100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060426
Handler Name:	SPECIALTY METALS FABRICATION INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	332439
NAICS Description:	OTHER METAL CONTAINER MANUFACTURING
NAICS Code:	333414
NAICS Description:	HEATING EQUIPMENT (EXCEPT WARM AIR FURNACES) MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

S103 **DION & SONS, INC** **LUST** **S104749008**
ENE **11427 WOODSIDE AVE** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SANTEE, CA 92071** **San Diego Co. HMMD**
0.395 mi. **CERS HAZ WASTE**
2085 ft. **Site 1 of 2 in cluster S** **CERS TANKS**
CERS

Relative:
Higher

Actual:
369 ft.

LUST:

Name:	EL CAPITAN OIL COMPANY
Address:	11427 WOODSIDE AV
City,State,Zip:	SANTEE, CA 920714725

DION & SONS, INC (Continued) **S104749008**

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607303173
Global Id:	T0607303173
Latitude:	32.8501368463862
Longitude:	-116.951253440614
Status:	Completed - Case Closed
Status Date:	05/23/2017
Case Worker:	JC
RB Case Number:	9UT938
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H19469-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	The Site is located at 11427 Woodside Avenue in Santee, California. The Site is currently occupied by a commercial fuel and oil facility. Between 1987 and 1998, 13 underground storage tanks (USTs) were reportedly removed from the Site. Analysis of soil samples collected during the UST removals indicated that a release of petroleum hydrocarbons had occurred from the UST system. The County of San Diego directed that corrective measures be taken regarding the release and opened Unauthorized Release Case H19469-001 in 1988. A summary of the previous environmental assessments conducted at the Site follows: In 1988, four USTs were removed from the Site. A Site assessment was performed immediately following the tank removal activities, during which 11 soil borings were drilled and sampled, and four of the borings were completed as groundwater monitoring wells (MW-1 through MW-4). Single-walled product piping was removed from the Site in October 1997. In April 1998, nine USTs, reportedly removed from the Site, indicated a release of petroleum hydrocarbons. A 33-day high-vacuum, dual-phase extraction (HVDPE) pilot test was conducted between January 22 and February 24, 2008. Approximately 3,256 pounds of petroleum hydrocarbons were removed and treated during the pilot test. Approximately 128,620 gallons of hydrocarbon-affected water was extracted and treated. In 2008, well MW-5 was destroyed by permit. Five nested soil vapor probes (SV1 through SV5), near the Site building, were sampled in March and April 2011. It was concluded that there is a low likelihood that a significant health risk exists in connection with the concentrations of petroleum hydrocarbons in soil vapor beneath the on-Site building. During the second quarter 2012 groundwater monitoring event, free product with the appearance of red-dyed diesel fuel was measured in well MW-10. Similar free product has subsequently been monitored in wells MW-2, MW-3, MW-13, and MW-17. A separate DEH Voluntary Assistance Program (VAP) Case H19469-005 was opened on September 12, 2012 to address the release of red-dyed diesel from the on-Site aboveground storage tank (AST) system. A CAP was submitted for the case on March 30, 2015, in which monitored natural attenuation was recommended as the most cost-effective and technically feasible strategy for the Site. On April 24, 2015, the DEH issued a letter in response to the CAP, requiring the collection of groundwater samples from source area wells MW-1, MW-3, MW-5, MW-6, and MW-14, upgradient well MW-7, and downgradient well MW-18, for analysis for total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylenes (BTEX); methyl tertiary butyl ether (MTBE), ethyl tert-butyl ether (ETBE), tertiary amyl methyl ether (TAME), di-isopropyl ether

DION & SONS, INC (Continued) **S104749008**

(DIPE), and tertiary butyl alcohol (TBA), (collectively, fuel oxygenates), and natural attenuation parameters. Based on discussions with the environmental consultant, on April 29, 2015, DEH required two rounds of quarterly sampling for source area wells MW-1, MW-3 (by dropping a bailer through the free product), and MW-6, upgradient well MW-7, and downgradient well MW-18 for analysis for TPH, BTEX, fuel oxygenates, and natural attenuation parameters. During the public comment period for the case, DEH received comments on July 8, 2016 from the City of San Diego regarding closure. The City cited the proximity of the Site to nearby receptors, such as the San Diego River and the Riverview Well Field. DEH responded that, based upon the distance from the receptors to the Site, it is unlikely that the receptors would be impacted by the gasoline release. The case for closure was evaluated under the States Low-Threat Underground Storage Tank Case Closure Policy (the Policy). Current and historical soil and groundwater data indicate that the secondary source has been adequately removed and a stable to decreasing plume remains. Site conditions meet the general and media-specific criteria established in the Policy. Low-threat closure of the case was recommended. It was concluded that the case qualifies for a low-risk closure designation and it was recommended that DEH grant low-risk closure for Unauthorized Release Case H19469-001. DEH concurred that the case qualifies for a low-risk closure designation. Permit DEH2016-LMWP-002565 was issued for the destruction of groundwater monitoring wells MW-6, MW-8, MW-9, MW-11, MW-12, MW-15, MW-16, MW-18, and MW-19. The remaining wells are being retained for Voluntary Assistance Program Case H19469-005.

LUST:

Global Id:	T0607303173
Contact Type:	Local Agency Caseworker
Contact Name:	JAMES CLAY
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	james.clay@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607303173
Action Type:	ENFORCEMENT
Date:	10/26/2009
Action:	File review
Global Id:	T0607303173
Action Type:	ENFORCEMENT
Date:	03/22/2010
Action:	Notice of Violation
Global Id:	T0607303173
Action Type:	ENFORCEMENT
Date:	01/10/2011
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303173
Action Type:	ENFORCEMENT
Date:	03/16/2010

DION & SONS, INC (Continued) **S104749008**

Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 05/19/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 05/18/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: Other
Date: 03/02/1988
Action: Leak Began

Global Id: T0607303173
Action Type: Other
Date: 03/02/1988
Action: Leak Reported

Global Id: T0607303173
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607303173
Action Type: REMEDIATION
Date: 01/22/2008
Action: Dual Phase Extraction

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 03/22/1988
Action: Notice of Responsibility

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 12/27/2011
Action: Staff Letter

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 03/12/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 12/04/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 05/23/2017
Action: Closure/No Further Action Letter

DION & SONS, INC (Continued) **S104749008**

Global Id: T0607303173
Action Type: RESPONSE
Date: 10/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607303173
Action Type: RESPONSE
Date: 11/26/2012
Action: Correspondence

Global Id: T0607303173
Action Type: RESPONSE
Date: 01/30/2011
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607303173
Action Type: RESPONSE
Date: 04/29/2011
Action: Risk Assessment Report - Regulator Responded

Global Id: T0607303173
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607303173
Action Type: RESPONSE
Date: 05/20/2012
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0607303173
Action Type: RESPONSE
Date: 03/31/2015
Action: CAP/RAP - Final Remediation / Design Plan - Regulator Responded

Global Id: T0607303173
Action Type: RESPONSE
Date: 02/23/2015
Action: Email Correspondence - Regulator Responded

Global Id: T0607303173
Action Type: RESPONSE
Date: 03/17/2016
Action: Request for Closure - Regulator Responded

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 07/13/2009
Action: Letter - Notice

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 08/23/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: ENFORCEMENT

DION & SONS, INC (Continued) **S104749008**

Date: 09/26/2011
Action: File review

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 12/11/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 04/29/2015
Action: Email Correspondence

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 06/01/2016
Action: Email Correspondence

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 09/22/2009
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 07/08/2016
Action: Notification - Public Participation Document

Global Id: T0607303173
Action Type: Other
Date: 05/25/1988
Action: Leak Stopped

Global Id: T0607303173
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607303173
Action Type: RESPONSE
Date: 02/22/2010
Action: Pilot Study / Treatability Workplan

Global Id: T0607303173
Action Type: RESPONSE
Date: 04/26/2010
Action: Soil and Water Investigation Workplan

Global Id: T0607303173
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607303173
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

DION & SONS, INC (Continued) **S104749008**

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 05/29/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 10/24/2012
Action: Staff Letter

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 08/18/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: RESPONSE
Date: 04/04/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607303173
Action Type: RESPONSE
Date: 05/20/2016
Action: Correspondence

Global Id: T0607303173
Action Type: RESPONSE
Date: 05/16/2016
Action: Correspondence

Global Id: T0607303173
Action Type: RESPONSE
Date: 05/20/2016
Action: Correspondence

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 07/10/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 09/04/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 03/10/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: ENFORCEMENT
Date: 05/09/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: ENFORCEMENT

DION & SONS, INC (Continued) **S104749008**

Date: 02/06/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303173
Action Type: Other
Date: 03/02/1988
Action: Leak Discovery

Global Id: T0607303173
Action Type: RESPONSE
Date: 08/23/2013
Action: Correspondence

LUST:
Global Id: T0607303173
Status: Open - Case Begin Date
Status Date: 03/02/1988

Global Id: T0607303173
Status: Open - Remediation
Status Date: 08/02/2002

Global Id: T0607303173
Status: Open - Eligible for Closure
Status Date: 04/26/2017

Global Id: T0607303173
Status: Completed - Case Closed
Status Date: 05/23/2017

SAN DIEGO CO. SAM:
Name: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AV
City,State,Zip: SANTEE, CA 920714725
Case Number: H19469-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 8/2/2002
Date Began: 3/2/1988

Name: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AV
City,State,Zip: SANTEE, CA 920714725
Case Number: H19469-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 4/8/1996
Date Began: 11/22/1994

Name: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AV

DION & SONS, INC (Continued) **S104749008**

City,State,Zip: SANTEE, CA 920714725
Case Number: H19469-003
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 12/18/1997
Date Began: 3/7/1997

Name: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AV
City,State,Zip: SANTEE, CA 920714725
Case Number: H19469-004
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 10/1/1999
Date Began: 4/2/1999

HMMD SAN DIEGO:
Name: DION & SONS, INC
Address: 11427 WOODSIDE AVE
City,State,Zip: SANTEE, CA 92071
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000333515
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-258-7113
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 04/27/2022
Facility Owner: Not reported
Facility Mailing Address: 1543 W 16TH ST, LONG BEACH, CA 90813
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: Y
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-209366
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 4967013
Return To Compliance Date: 2014-04-24T00:00:00.000
Nov: No
Violation Classification: Minor

DION & SONS, INC (Continued) **S104749008**

Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2014-03-28T17:58:00.000
Violation Code:	1010004 Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site; 19 CCR 4 2729.2(a)(2); HSC 6.95 25504(a).
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4967013
Return To Compliance Date:	2014-04-24T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2014-03-28T17:58:00.000
Violation Code:	1010003 Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page; 19 CCR 4 2729.2(a)(1).
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4967013
Return To Compliance Date:	2014-04-24T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	24500
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2014-03-28T17:58:00.000
Violation Code:	2010010 Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information. 23 CCR 16 2711; HSC 6.7 25286(a)
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5845592
Return To Compliance Date:	2018-03-19T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000

DION & SONS, INC (Continued) **S104749008**

Inspection Date:	2018-03-01T14:39:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6885336
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2022-03-10T00:00:00.000
Violation Code:	HMD0000 HAZARDOUS MATERIALS REQUIREMENTS
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4099111
Return To Compliance Date:	2013-07-01T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	24501
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2013-03-29T11:39:00.000
Violation Code:	2030008 Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid. HSC 6.7 25290.1, 25290.2, 25291
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4099111
Return To Compliance Date:	2013-07-01T00:00:00.000
Nov:	Yes
Violation Classification:	Not reported
Underground Storage Tank Id:	24501
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2013-03-29T11:39:00.000
Violation Code:	2030047 Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.23 CCR 16 2662; HSC 6.7 25290.1(c)(2), 25290.2(c)(2), 25291(a), 25292(e)
Record ID:	DEH2008-HUPFP-209366

DION & SONS, INC (Continued) **S104749008**

Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5845592
Return To Compliance Date:	2018-03-01T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	24500
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2018-03-01T14:39:00.000
Violation Code:	2030036 (RP) Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity; and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 2635(b)(2), 2665
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6102734
Return To Compliance Date:	2019-03-25T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	24504
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2019-03-15T00:00:00.000
Violation Code:	2060020 (TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366

DION & SONS, INC (Continued) **S104749008**

Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6885336
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2022-03-10T00:00:00.000
Violation Code:	HMD0000 UST TANK (DW/SW) - REQUIREMENT

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6102734
Return To Compliance Date:	2019-03-18T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2019-03-15T00:00:00.000
Violation Code:	HMD1604 Failed to maintain secondary containment empty. 22 CCR 66265.196(b) and (c); 66265.194(c)

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4099111
Return To Compliance Date:	2013-03-29T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	24500
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2013-03-29T11:39:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5240481
Return To Compliance Date:	2016-03-09T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	24504

DION & SONS, INC (Continued) **S104749008**

Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2016-03-02T11:23:00.000
Violation Code:	2030017 Failure to maintain all product piping outside the dispenser to be fail-safe & shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment. 23 CCR 2636(f)(5)
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6885336
Return To Compliance Date:	Not reported
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2022-03-10T00:00:00.000
Violation Code:	1010008 HMBP not certified as complete and accurate in CERS by the required due date. HSC 25508.2, 19 CCR 2654(b)
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5845592
Return To Compliance Date:	2019-03-15T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2018-03-01T14:39:00.000
Violation Code:	HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4967013
Return To Compliance Date:	2014-03-28T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	24501
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2014-03-28T17:58:00.000

DION & SONS, INC (Continued) **S104749008**

Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4967013
Return To Compliance Date:	2014-04-24T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2014-03-28T17:58:00.000
Violation Code:	1010005 Failure to complete and/or submit an annotated site map if required by CUPA; 19 CCR 4 2729.2(a)(3).
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4099111
Return To Compliance Date:	2013-07-01T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	24501
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2013-03-29T11:39:00.000
Violation Code:	2030019 Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected. 23 CCR 16 2636(f)(1)
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6102734
Return To Compliance Date:	2019-04-02T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	24500
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2019-03-15T00:00:00.000
Violation Code:	2030039 Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system. 23 CCR 2712(a)(b)(f)(i)(j)(k)

DION & SONS, INC (Continued) **S104749008**

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4099111
Return To Compliance Date:	2013-07-01T00:00:00.000
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2013-03-29T11:39:00.000
Violation Code:	3030007 Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.; 22 CCR 12 66262.34(f).

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6885336
Return To Compliance Date:	2022-03-10T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	24504
Container/Tank Id:	Not reported
Last Update:	2022-04-27T00:00:00.000
Inspection Date:	2022-03-10T00:00:00.000
Violation Code:	2060020 (TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

UST DTL:

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Facility Type (Ust Facility):	Fuel Distribution
Tank Owner Name:	Dion & Sons, Inc.
Tankid:	24501
Tank Status:	Active
Date Ust Permanently Closed:	Not reported

DION & SONS, INC (Continued) **S104749008**

Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2022-04-27T02:32:09.000
Tank Capacityin Gallons:	8000
Tank Contents:	Diesel
Type Of Tank:	Double Wall
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Facility Type (Ust Facility):	Fuel Distribution
Tank Owner Name:	Dion & Sons, Inc.
Tankid:	24502
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2022-04-27T02:32:09.000
Tank Capacityin Gallons:	4000
Tank Contents:	Other Petroleum
Type Of Tank:	Double Wall
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Facility Type (Ust Facility):	Fuel Distribution
Tank Owner Name:	Dion & Sons, Inc.
Tankid:	24504
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2022-04-27T02:32:09.000
Tank Capacityin Gallons:	3000
Tank Contents:	Diesel
Type Of Tank:	Double Wall
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209366
Facility Type (Ust Facility):	Fuel Distribution
Tank Owner Name:	Dion & Sons, Inc.
Tankid:	24503
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2022-04-27T02:32:09.000
Tank Capacityin Gallons:	5000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall
Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed

DION & SONS, INC (Continued) **S104749008**

Active Permit:	Y
Facility Id Number:	37-000-209366
Facility Type (Ust Facility):	Fuel Distribution
Tank Owner Name:	Dion & Sons, Inc.
Tankid:	24500
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2022-04-27T02:32:09.000
Tank Capacityin Gallons:	4000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Waste and Materials:

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0103683
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-03-02T04:29:17.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 119469
Case Number:	86290-81-5

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0103684
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-03-02T04:29:17.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 119469
Case Number:	8006-61-9

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0103685
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-03-02T04:29:17.000
Chemical Name:	LEADED RACE GAS
Common Name:	UNDERGROUND TANK 119469
Case Number:	86290-81-5

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0103686
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-03-02T04:29:17.000
Chemical Name:	DIESEL
Common Name:	DIESEL, CLEAR (T13-3400,T14-6700, T24-3400 and Rear AST’s 10K and 5K)

DION & SONS, INC (Continued) **S104749008**

Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0103687
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-02T04:29:17.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 119469 RED DIESEL
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0103688
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-02T04:29:17.000
Chemical Name: LUBRICATING OILS
Common Name: (10,30,40,50,32,68,15-40,5-30,80-90,85-*140, ETC)
Case Number: 8002-05-9

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0103689
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-02T04:29:17.000
Chemical Name: DIESEL, CLEAR
Common Name: UNDERGROUND TANK 119469
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0103690
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-02T04:29:17.000
Chemical Name: Diesel Fuel No. 2
Common Name: Red Dyed Diesel Fuel
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0085605
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-02T04:29:17.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

DION & SONS, INC (Continued) **S104749008**

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0085606
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-02T04:29:17.000
Chemical Name:	Hydrocarbon Solvent Waste
Common Name:	GASOLINE & DIESEL WASTE
Case Number:	Not reported

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0085607
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-02T04:29:17.000
Chemical Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name:	ABSORBENT WASTE W/OIL
Case Number:	Not reported

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0249032
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-05-12T02:35:41.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 119469
Case Number:	8006-61-9

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0249033
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-05-12T02:35:41.000
Chemical Name:	LEADED RACE GAS
Common Name:	UNDERGROUND TANK 119469
Case Number:	86290-81-5

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0249034
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-05-12T02:35:41.000
Chemical Name:	DIESEL
Common Name:	DIESEL, CLEAR (T13-3400,T14-6700, T24-3400 and Rear AST's 10K and 5K)
Case Number:	68476-34-6

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed

DION & SONS, INC (Continued) **S104749008**

Active Permit: Y
Child Record Id: DEH2020-HCHEM-0249035
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-05-12T02:35:41.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 119469 RED DIESEL
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0249036
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-05-12T02:35:41.000
Chemical Name: LUBRICATING OILS
Common Name: (10,30,40,50,32,68,15-40,5-30,80-90,85-*140, ETC)
Case Number: 8002-05-9

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0249037
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-05-12T02:35:41.000
Chemical Name: DIESEL, CLEAR
Common Name: UNDERGROUND TANK 119469
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0249038
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-05-12T02:35:41.000
Chemical Name: Diesel Fuel No. 2
Common Name: Red Dyed Diesel Fuel
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0220081
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-12T02:35:41.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0220082

DION & SONS, INC (Continued) **S104749008**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-12T02:35:41.000
Chemical Name: Hydrocarbon Solvent Waste
Common Name: GASOLINE & DIESEL WASTE
Case Number: Not reported

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0220083
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-12T02:35:41.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: ABSORBENT WASTE W/OIL
Case Number: Not reported

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178951
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-06-01T02:35:46.000
Chemical Name: Diesel Fuel No. 2
Common Name: Red Dyed Diesel Fuel
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178952
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-06-01T02:35:46.000
Chemical Name: DIESEL, CLEAR
Common Name: UNDERGROUND TANK 119469
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178953
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-06-01T02:35:46.000
Chemical Name: LUBRICATING OILS
Common Name: (10,30,40,50,32,68,15-40,5-30,80-90,85-*140, ETC)
Case Number: 8002-05-9

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178954
Trade Secret: N
Hazardous Material Type: Pure

DION & SONS, INC (Continued) **S104749008**

Last Updated: 2018-06-01T02:35:46.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 119469 RED DIESEL
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178955
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-06-01T02:35:46.000
Chemical Name: DIESEL
Common Name: DIESEL, CLEAR (T13-3400,T14-6700, T24-3400 and Rear AST's 10K and 5K)
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178956
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-06-01T02:35:46.000
Chemical Name: LEADED RACE GAS
Common Name: UNDERGROUND TANK 119469
Case Number: 86290-81-5

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178957
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-06-01T02:35:46.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 119469
Case Number: 8006-61-9

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178958
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-06-01T02:35:46.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 119469
Case Number: 86290-81-5

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0153455
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-06-01T02:35:46.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)

DION & SONS, INC (Continued) **S104749008**

Common Name: ABSORBENT WASTE W/OIL
Case Number: Not reported

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0153456
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-06-01T02:35:46.000
Chemical Name: Hydrocarbon Solvent Waste
Common Name: GASOLINE & DIESEL WASTE
Case Number: Not reported

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0153457
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-06-01T02:35:46.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0167324
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-01T02:47:57.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0167325
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-01T02:47:57.000
Chemical Name: Hydrocarbon Solvent Waste
Common Name: GASOLINE & DIESEL WASTE
Case Number: Not reported

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193585
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-11-01T02:47:57.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 119469
Case Number: 86290-81-5

DION & SONS, INC (Continued) **S104749008**

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0193586
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-11-01T02:47:57.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 119469
Case Number:	8006-61-9

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0193587
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-11-01T02:47:57.000
Chemical Name:	LEADED RACE GAS
Common Name:	UNDERGROUND TANK 119469
Case Number:	86290-81-5

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0193588
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-11-01T02:47:57.000
Chemical Name:	DIESEL
Common Name:	DIESEL, CLEAR (T13-3400,T14-6700, T24-3400 and Rear AST’s 10K and 5K)
Case Number:	68476-34-6

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0193589
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-11-01T02:47:57.000
Chemical Name:	DIESEL
Common Name:	UNDERGROUND TANK 119469 RED DIESEL
Case Number:	68476-34-6

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0193590
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-11-01T02:47:57.000
Chemical Name:	LUBRICATING OILS
Common Name:	(10,30,40,50,32,68,15-40,5-30,80-90,85-*140, ETC)
Case Number:	8002-05-9

Record ID:	DEH2008-HUPFP-209366
Permit Status:	Permit Renewed

DION & SONS, INC (Continued) **S104749008**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193591
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-11-01T02:47:57.000
Chemical Name: DIESEL, CLEAR
Common Name: UNDERGROUND TANK 119469
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193592
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-11-01T02:47:57.000
Chemical Name: Diesel Fuel No. 2
Common Name: Red Dyed Diesel Fuel
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0167326
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-01T02:47:57.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: ABSORBENT WASTE W/OIL
Case Number: Not reported

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0285442
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-04-27T02:32:09.000
Chemical Name: DIESEL
Common Name: DIESEL, CLEAR (T13-3400,T14-6700, T24-3400 and Rear AST’s 10K and 5K)
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0249031
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-05-12T02:35:41.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 119469
Case Number: 86290-81-5

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0285441

DION & SONS, INC (Continued) **S104749008**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-04-27T02:32:09.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 119469
Case Number: 86290-81-5

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0285443
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-04-27T02:32:09.000
Chemical Name: LUBRICATING OILS
Common Name: (10,30,40,50,32,68,15-40,5-30,80-90,85-*140, ETC)
Case Number: 8002-05-9

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0285444
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-04-27T02:32:09.000
Chemical Name: DIESEL, CLEAR & DYED RED
Common Name: UNDERGROUND TANK 119469
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0253977
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-04-27T02:32:09.000
Chemical Name: Hydrocarbon Solvent Waste
Common Name: GASOLINE & DIESEL WASTE
Case Number: Not reported

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0253978
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-04-27T02:32:09.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: ABSORBENT WASTE W/OIL
Case Number: Not reported

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0285445
Trade Secret: N
Hazardous Material Type: Pure

DION & SONS, INC (Continued) **S104749008**

Last Updated: 2022-04-27T02:32:09.000
Chemical Name: Diesel Fuel No. 2
Common Name: Red Dyed Diesel Fuel
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209366
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0253976
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-04-27T02:32:09.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Name: DION & SONS, INC
Address: 11427 WOODSIDE AV
City,State,Zip: SANTEE, CA 92071
Permit Number: 209366
Business Type: 6HK28
EPA Id Number: CAL000333515
APN: 382-320-06-00
Last HMMD Inspection: 03/01/2012
Facility Telephone: 619-258-7113
Permit Status: OPEN
Permit Expiration: 05/31/2013
Date Last Updated: 11/02/2012
Facility Owner: MATT CULLEN
Facility Mailing Address: 1543 W 16TH ST
Facility Mailing City: LONG BEACH
Facility Mailing State: CA
Facility Mailing Zip: 90813
UST Owner: DION & SONS, INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 209366
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: DIESEL, CLEAR (T13-3400,T14-6700, T24-3400)T8-10000
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: UNDERGROUND TANK 119469 RED DIESEL
Material Waste: Material

DION & SONS, INC (Continued) **S104749008**

Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL, CLEAR
Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: LUBRICATING OILS
Other Information: (10,30,40,50,32,68,15-40,5-30,80-90,85-*140, ETC)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 915-67-3
Name: RED-DYE DIESEL
Other Information: (T9-10000,T10-5500, T12-6700)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: SUPER UNLEADED
Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

DION & SONS, INC (Continued) **S104749008**

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBENT WASTE W/OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: VORTEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012

DION & SONS, INC (Continued) **S104749008**

Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or

DION & SONS, INC (Continued) **S104749008**

(f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3191
Violation: NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation: Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/03/2009
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

DION & SONS, INC (Continued) **S104749008**

Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/01/2012
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/01/2012

DION & SONS, INC (Continued) **S104749008**

Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)

DION & SONS, INC (Continued) **S104749008**

Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE

DION & SONS, INC (Continued) **S104749008**

Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)

DION & SONS, INC (Continued) **S104749008**

Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 119469 T013
Last Update: 2012-11-02 14:17:38
Permit Number: 209366
Tank Type: DOUBLE WALL
Additional Id: REG UNLEADED, RT4893, RT4999
Capacity Gallons: 4000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE

DION & SONS, INC (Continued) **S104749008**

Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31B
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name: UNDERGROUND TANK 119469 T014
Last Update: 2012-11-02 14:17:38
Permit Number: 209366
Tank Type: DOUBLE WALL
Additional Id: NT 1976RT3528, RT4893, RT4999
Capacity Gallons: 8000
UST Contents: DIESEL
Other Content Info: DIESEL FUEL CLEAR
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1997-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31C
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name: UNDERGROUND TANK 119469 T015
Last Update: 2012-11-02 14:17:38
Permit Number: 209366
Tank Type: DOUBLE WALL
Additional Id: NT1976RT3528, RT4893, RT4999
Capacity Gallons: 4000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1997-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31C
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name: UNDERGROUND TANK 119469 T016
Last Update: 2012-11-02 14:17:38
Permit Number: 209366
Tank Type: DOUBLE WALL
Additional Id: NT1976RT3528, RT4893, RT4999
Capacity Gallons: 5000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1997-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31C
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF &

DION & SONS, INC (Continued) **S104749008**

FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name:	UNDERGROUND TANK 119469 T017
Last Update:	2012-11-02 14:17:38
Permit Number:	209366
Tank Type:	DOUBLE WALL
Additional Id:	NT1976 RED DIESEL; RT3528, RT4893, RT4999
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	RED DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

Name:	DION & SONS, INC
Address:	11427 WOODSIDE AV
City,State,Zip:	SANTEE, CA 92071
Permit Number:	209366
Business Type:	6HK28
EPA Id Number:	CAL000333515
APN:	382-320-06-00
Last HMMD Inspection:	03/01/2012
Facility Telephone:	619-258-7113
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	MATT CULLEN
Facility Mailing Address:	1543 W 16TH ST
Facility Mailing City:	LONG BEACH
Facility Mailing State:	CA
Facility Mailing Zip:	90813
UST Owner:	DION & SONS, INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	209366
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	DIESEL, CLEAR (T13-3400,T14-6700, T24-3400)T8-10000
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	209366
Update Date:	11/02/2012
Case Number:	68476-34-6

DION & SONS, INC (Continued) **S104749008**

Name: DIESEL
Other Information: UNDERGROUND TANK 119469 RED DIESEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL, CLEAR
Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: LUBRICATING OILS
Other Information: (10,30,40,50,32,68,15-40,5-30,80-90,85-*140, ETC)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 915-67-3
Name: RED-DYE DIESEL
Other Information: (T9-10000,T10-5500, T12-6700)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: SUPER UNLEADED
Other Information: UNDERGROUND TANK 119469
Material Waste: Material

DION & SONS, INC (Continued) **S104749008**

Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBENT WASTE W/OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: VORTEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

DION & SONS, INC (Continued) **S104749008**

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267

DION & SONS, INC (Continued) **S104749008**

Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3191
Violation: NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation: Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/03/2009
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)

DION & SONS, INC (Continued) **S104749008**

Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/01/2012
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	209366

DION & SONS, INC (Continued) **S104749008**

Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3257

DION & SONS, INC (Continued) **S104749008**

Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012

DION & SONS, INC (Continued) **S104749008**

Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED

DION & SONS, INC (Continued) **S104749008**

Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 119469 T013
Last Update: 2012-11-02 14:17:38
Permit Number: 209366
Tank Type: DOUBLE WALL
Additional Id: REG UNLEADED, RT4893, RT4999
Capacity Gallons: 4000
UST Contents: REGULAR UNLEADED

DION & SONS, INC (Continued) **S104749008**

Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31B
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name: UNDERGROUND TANK 119469 T014
Last Update: 2012-11-02 14:17:38
Permit Number: 209366
Tank Type: DOUBLE WALL
Additional Id: NT 1976RT3528, RT4893, RT4999
Capacity Gallons: 8000
UST Contents: DIESEL
Other Content Info: DIESEL FUEL CLEAR
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1997-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31C
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name: UNDERGROUND TANK 119469 T015
Last Update: 2012-11-02 14:17:38
Permit Number: 209366
Tank Type: DOUBLE WALL
Additional Id: NT1976RT3528, RT4893, RT4999
Capacity Gallons: 4000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1997-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31C
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name: UNDERGROUND TANK 119469 T016
Last Update: 2012-11-02 14:17:38
Permit Number: 209366
Tank Type: DOUBLE WALL
Additional Id: NT1976RT3528, RT4893, RT4999
Capacity Gallons: 5000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1997-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE

DION & SONS, INC (Continued) **S104749008**

Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR
UST Name:	UNDERGROUND TANK 119469 T017
Last Update:	2012-11-02 14:17:38
Permit Number:	209366
Tank Type:	DOUBLE WALL
Additional Id:	NT1976 RED DIESEL; RT3528, RT4893, RT4999
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	RED DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

Name:	DION & SONS, INC
Address:	11427 WOODSIDE AV
City,State,Zip:	SANTEE, CA 92071
Permit Number:	209366
Business Type:	6HK28
EPA Id Number:	CAL000333515
APN:	382-320-06-00
Last HMMD Inspection:	03/01/2012
Facility Telephone:	619-258-7113
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	MATT CULLEN
Facility Mailing Address:	1543 W 16TH ST
Facility Mailing City:	LONG BEACH
Facility Mailing State:	CA
Facility Mailing Zip:	90813
UST Owner:	DION & SONS, INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	209366
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	DIESEL, CLEAR (T13-3400,T14-6700, T24-3400)T8-10000
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	209366

DION & SONS, INC (Continued) **S104749008**

Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 119469 RED DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	209366
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL, CLEAR
Other Information:	UNDERGROUND TANK 119469
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	209366
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OILS
Other Information:	(10,30,40,50,32,68,15-40,5-30,80-90,85-*140, ETC)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	209366
Update Date:	11/02/2012
Case Number:	915-67-3
Name:	RED-DYE DIESEL
Other Information:	(T9-10000,T10-5500, T12-6700)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	209366
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 119469
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	209366
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 119469
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	209366
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	SUPER UNLEADED

DION & SONS, INC (Continued) **S104749008**

Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBENT WASTE W/OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: VORTEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly.

DION & SONS, INC (Continued) **S104749008**

2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366

DION & SONS, INC (Continued) **S104749008**

Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3191
Violation:	NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation:	Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV3114

DION & SONS, INC (Continued) **S104749008**

Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/01/2012
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809

DION & SONS, INC (Continued) **S104749008**

Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366

DION & SONS, INC (Continued) **S104749008**

Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

DION & SONS, INC (Continued) **S104749008**

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012

DION & SONS, INC (Continued) **S104749008**

Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 119469 T013
Last Update: 2012-11-02 14:17:38
Permit Number: 209366
Tank Type: DOUBLE WALL

DION & SONS, INC (Continued) **S104749008**

Additional Id:	REG UNLEADED, RT4893, RT4999
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 119469 T014
Last Update:	2012-11-02 14:17:38
Permit Number:	209366
Tank Type:	DOUBLE WALL
Additional Id:	NT 1976RT3528, RT4893, RT4999
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL FUEL CLEAR
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name:	UNDERGROUND TANK 119469 T015
Last Update:	2012-11-02 14:17:38
Permit Number:	209366
Tank Type:	DOUBLE WALL
Additional Id:	NT1976RT3528, RT4893, RT4999
Capacity Gallons:	4000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name:	UNDERGROUND TANK 119469 T016
Last Update:	2012-11-02 14:17:38
Permit Number:	209366
Tank Type:	DOUBLE WALL
Additional Id:	NT1976RT3528, RT4893, RT4999
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported

DION & SONS, INC (Continued) **S104749008**

Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR
UST Name:	UNDERGROUND TANK 119469 T017
Last Update:	2012-11-02 14:17:38
Permit Number:	209366
Tank Type:	DOUBLE WALL
Additional Id:	NT1976 RED DIESEL; RT3528, RT4893, RT4999
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	RED DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR
Name:	DION & SONS, INC
Address:	11427 WOODSIDE AV
City,State,Zip:	SANTEE, CA 92071
Permit Number:	209366
Business Type:	6HK28
EPA Id Number:	CAL000333515
APN:	382-320-06-00
Last HMMD Inspection:	03/01/2012
Facility Telephone:	619-258-7113
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	MATT CULLEN
Facility Mailing Address:	1543 W 16TH ST
Facility Mailing City:	LONG BEACH
Facility Mailing State:	CA
Facility Mailing Zip:	90813
UST Owner:	DION & SONS, INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	209366
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	DIESEL, CLEAR (T13-3400,T14-6700, T24-3400)T8-10000
Material Waste:	Material
Hazardous Categories 1:	FIRE

DION & SONS, INC (Continued) **S104749008**

Hazardous Categories 2: ACUTE

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: UNDERGROUND TANK 119469 RED DIESEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL, CLEAR
Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: LUBRICATING OILS
Other Information: (10,30,40,50,32,68,15-40,5-30,80-90,85-*140, ETC)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 915-67-3
Name: RED-DYE DIESEL
Other Information: (T9-10000,T10-5500, T12-6700)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366

DION & SONS, INC (Continued) **S104749008**

Update Date: 11/02/2012
Case Number: 8006-61-9
Name: SUPER UNLEADED
Other Information: UNDERGROUND TANK 119469
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBENT WASTE W/OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209366
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: VORTEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011

DION & SONS, INC (Continued) **S104749008**

Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 02/24/2011
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)

DION & SONS, INC (Continued) **S104749008**

Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	02/24/2011
Violation Code:	6HV3191
Violation:	NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation:	Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity:	ACTIVE
Permit Number:	209366

DION & SONS, INC (Continued) **S104749008**

Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/03/2009
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	209366
Update Date:	11/02/2012
Inspection Date:	03/01/2012
Violation Code:	6HV3105

DION & SONS, INC (Continued) **S104749008**

Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)

DION & SONS, INC (Continued) **S104749008**

Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE

DION & SONS, INC (Continued) **S104749008**

Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

DION & SONS, INC (Continued) **S104749008**

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/01/2012
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 209366
Update Date: 11/02/2012
Inspection Date: 03/15/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 119469 T013
Last Update: 2012-11-02 14:17:38

DION & SONS, INC (Continued) **S104749008**

Permit Number:	209366
Tank Type:	DOUBLE WALL
Additional Id:	REG UNLEADED, RT4893, RT4999
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 119469 T014
Last Update:	2012-11-02 14:17:38
Permit Number:	209366
Tank Type:	DOUBLE WALL
Additional Id:	NT 1976RT3528, RT4893, RT4999
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL FUEL CLEAR
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name:	UNDERGROUND TANK 119469 T015
Last Update:	2012-11-02 14:17:38
Permit Number:	209366
Tank Type:	DOUBLE WALL
Additional Id:	NT1976RT3528, RT4893, RT4999
Capacity Gallons:	4000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name:	UNDERGROUND TANK 119469 T016
Last Update:	2012-11-02 14:17:38
Permit Number:	209366
Tank Type:	DOUBLE WALL
Additional Id:	NT1976RT3528, RT4893, RT4999
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED

DION & SONS, INC (Continued) **S104749008**

Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1997-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31C
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name: UNDERGROUND TANK 119469 T017
Last Update: 2012-11-02 14:17:38
Permit Number: 209366
Tank Type: DOUBLE WALL
Additional Id: NT1976 RED DIESEL; RT3528, RT4893, RT4999
Capacity Gallons: 3000
UST Contents: DIESEL
Other Content Info: RED DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1997-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31C
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

Name: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AV
City,State,Zip: SANTEE, CA 92071
Permit Number: 119469
Business Type: 6HK78
EPA Id Number: CAL00023382
APN: 382-320-06-00
Last HMMD Inspection: 02/28/2008
Facility Telephone: 619-258-7113
Permit Status: CHNG
Permit Expiration: 05/31/2008
Date Last Updated: 11/02/2012
Facility Owner: SAMAD ATTISHA
Facility Mailing Address: 11427 WOODSIDE AV
Facility Mailing City: SANTEE
Facility Mailing State: CA
Facility Mailing Zip: 92071-4725
UST Owner: LINDA WIGINGTON
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 119469 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 119469
Tank Type: SINGLE WALL
Additional Id: D-1

DION & SONS, INC (Continued) **S104749008**

Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	D-2
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	D-3
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	D-4 KEROSENE
Capacity Gallons:	6000
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported

DION & SONS, INC (Continued) **S104749008**

Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	R-1
Capacity Gallons:	7500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	UL-1
Capacity Gallons:	2015
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	7
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

DION & SONS, INC (Continued) **S104749008**

UST Name:	UNDERGROUND TANK 119469 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	8
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 119469 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	9
Capacity Gallons:	880
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 119469 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	010 WASTE OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 119469 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	011 PREMIUM
Capacity Gallons:	2500

DION & SONS, INC (Continued) **S104749008**

UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T012
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	012 WASTE OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T013
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	REG UNLEADED
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT
UST Name:	UNDERGROUND TANK 119469 T014
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT 1976RT3528
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL

DION & SONS, INC (Continued) **S104749008**

Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR
UST Name:	UNDERGROUND TANK 119469 T015
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT1976RT3528
Capacity Gallons:	4000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR
UST Name:	UNDERGROUND TANK 119469 T016
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT1976RT3528
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR
UST Name:	UNDERGROUND TANK 119469 T017
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT1976 RED DIESELRT3528
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR
UST Name:	UNDERGROUND TANK 119469 T018

DION & SONS, INC (Continued) **S104749008**

Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	AT4031RT3528
Capacity Gallons:	7500
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	EL CAPITAN OIL COMPANY
Address:	11427 WOODSIDE AV
City,State,Zip:	SANTEE, CA 92071
Permit Number:	119469
Business Type:	6HK78
EPA Id Number:	CAL00023382
APN:	382-320-06-00
Last HMMD Inspection:	02/28/2008
Facility Telephone:	619-258-7113
Permit Status:	CHNG
Permit Expiration:	05/31/2008
Date Last Updated:	11/02/2012
Facility Owner:	SAMAD ATTISHA
Facility Mailing Address:	11427 WOODSIDE AV
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-4725
UST Owner:	LINDA WIGINGTON
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 119469 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	D-1
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY

DION & SONS, INC (Continued) **S104749008**

MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 119469 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	D-2
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 119469 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	D-3
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 119469 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	D-4 KEROSENE
Capacity Gallons:	6000
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 119469 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL

DION & SONS, INC (Continued) **S104749008**

Additional Id:	R-1
Capacity Gallons:	7500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	UL-1
Capacity Gallons:	2015
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	7
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 119469 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	8
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00

DION & SONS, INC (Continued) **S104749008**

Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 119469 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	9
Capacity Gallons:	880
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 119469 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	010 WASTE OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 119469 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	011 PREMIUM
Capacity Gallons:	2500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

DION & SONS, INC (Continued) **S104749008**

UST Name:	UNDERGROUND TANK 119469 T012
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	012 WASTE OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 119469 T013
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	REG UNLEADED
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 119469 T014
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT 1976RT3528
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name:	UNDERGROUND TANK 119469 T015
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT1976RT3528
Capacity Gallons:	4000

DION & SONS, INC (Continued) **S104749008**

UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name:	UNDERGROUND TANK 119469 T016
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT1976RT3528
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name:	UNDERGROUND TANK 119469 T017
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT1976 RED DIESELRT3528
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name:	UNDERGROUND TANK 119469 T018
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	AT4031RT3528
Capacity Gallons:	7500
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported

DION & SONS, INC (Continued) **S104749008**

Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	EL CAPITAN OIL COMPANY
Address:	11427 WOODSIDE AV
City,State,Zip:	SANTEE, CA 92071
Permit Number:	119469
Business Type:	6HK78
EPA Id Number:	CAL00023382
APN:	382-320-06-00
Last HMMD Inspection:	02/28/2008
Facility Telephone:	619-258-7113
Permit Status:	CHNG
Permit Expiration:	05/31/2008
Date Last Updated:	11/02/2012
Facility Owner:	SAMAD ATTISHA
Facility Mailing Address:	11427 WOODSIDE AV
Facility Mailing City:	SANTEE
Facility Mailing State:	CA
Facility Mailing Zip:	92071-4725
UST Owner:	LINDA WIGINGTON
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 119469 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	D-1
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 119469 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	D-2
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED

DION & SONS, INC (Continued) **S104749008**

Remove Close Date:	1998-04-29 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	D-3
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	D-4 KEROSENE
Capacity Gallons:	6000
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	R-1
Capacity Gallons:	7500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY

DION & SONS, INC (Continued) **S104749008**

MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 119469 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	UL-1
Capacity Gallons:	2015
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 119469 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	7
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 119469 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	8
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 119469 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL

DION & SONS, INC (Continued) **S104749008**

Additional Id:	9
Capacity Gallons:	880
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1988-05-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 119469 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	010 WASTE OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 119469 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	011 PREMIUM
Capacity Gallons:	2500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 119469 T012
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	012 WASTE OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00

DION & SONS, INC (Continued) **S104749008**

Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 119469 T013
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	REG UNLEADED
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT
UST Name:	UNDERGROUND TANK 119469 T014
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT 1976RT3528
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR
UST Name:	UNDERGROUND TANK 119469 T015
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT1976RT3528
Capacity Gallons:	4000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

DION & SONS, INC (Continued) **S104749008**

UST Name:	UNDERGROUND TANK 119469 T016
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT1976RT3528
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name:	UNDERGROUND TANK 119469 T017
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	DOUBLE WALL
Additional Id:	NT1976 RED DIESELRT3528
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31C
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/STAND ALONE SENSOR

UST Name:	UNDERGROUND TANK 119469 T018
Last Update:	2012-11-02 14:17:38
Permit Number:	119469
Tank Type:	SINGLE WALL
Additional Id:	AT4031RT3528
Capacity Gallons:	7500
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CERS HAZ WASTE:

Name:	DION & SONS, INC
Address:	11427 WOODSIDE AVE
City,State,Zip:	SANTEE, CA 92071
Site ID:	25329

DION & SONS, INC (Continued) **S104749008**

CERS ID: 10377226
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: DION & SONS, INC
Address: 11427 WOODSIDE AVE
City,State,Zip: SANTEE, CA 92071
Site ID: 25329
CERS ID: 10377226
CERS Description: Aboveground Petroleum Storage

Name: DION & SONS, INC
Address: 11427 WOODSIDE AVE
City,State,Zip: SANTEE, CA 92071
Site ID: 25329
CERS ID: 10377226
CERS Description: Underground Storage Tank

CERS:
Name: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AV
City,State,Zip: SANTEE, CA 920714725
Site ID: 187429
CERS ID: T0608144417
CERS Description: Cleanup Program Site

Coordinates:
Site ID: 187429
Facility Name: EL CAPITAN OIL COMPANY
Env Int Type Code: CPS
Program ID: T0608115165
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 32.850077
Longitude: -116.951158

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JAMES CLAY - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AV
City,State,Zip: SANTEE, CA 920714725
Site ID: 187429
CERS ID: T0608182940
CERS Description: Cleanup Program Site

Coordinates:
Site ID: 187429

DION & SONS, INC (Continued) **S104749008**

Facility Name: EL CAPITAN OIL COMPANY
Env Int Type Code: CPS
Program ID: T0608115165
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 32.850077
Longitude: -116.951158

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JAMES CLAY - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AV
City,State,Zip: SANTEE, CA 920714725
Site ID: 187429
CERS ID: T0608115165
CERS Description: Cleanup Program Site

Coordinates:
Site ID: 187429
Facility Name: EL CAPITAN OIL COMPANY
Env Int Type Code: CPS
Program ID: T0608115165
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 32.850077
Longitude: -116.951158

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JAMES CLAY - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AV
City,State,Zip: SANTEE, CA 920714725
Site ID: 187429
CERS ID: T0607303173
CERS Description: Leaking Underground Storage Tank Cleanup Site

Coordinates:

DION & SONS, INC (Continued) **S104749008**

Site ID: 187429
Facility Name: EL CAPITAN OIL COMPANY
Env Int Type Code: CPS
Program ID: T0608115165
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 32.850077
Longitude: -116.951158

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JAMES CLAY - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: EL CAPITAN OIL
Address: 11427 WOODSIDE AVENUE
City,State,Zip: SANTEE, CA 92071-4725
Site ID: 466075
CERS ID: 110013862141
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: ENVIR MGMT
Entity Title: Not reported
Affiliation Address: 11427 WOODSIDE AVE
Affiliation City: SANTEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JAMES CLAY SAN DIEGO CNTY LOP
Entity Title: Not reported
Affiliation Address: POBOX 129261
Affiliation City: SANDIEGO
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: DION & SONS, INC
Address: 11427 WOODSIDE AVE
City,State,Zip: SANTEE, CA 92071
Site ID: 25329
CERS ID: 10377226
CERS Description: Chemical Storage Facilities

DION & SONS, INC (Continued) **S104749008**

Violations:

Site ID:	25329
Site Name:	DION & SONS, INC
Violation Date:	03-28-2014
Citation:	19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description:	Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes:	Returned to compliance on 04/24/2014. Inspection Sequence ID:4967013
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	25329
Site Name:	DION & SONS, INC
Violation Date:	03-01-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 03/19/2018. Inspection Sequence ID:5845592
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	25329
Site Name:	DION & SONS, INC
Violation Date:	03-28-2014
Citation:	23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description:	Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes:	Returned to compliance on 03/28/2014. Inspection Sequence ID:4967013;Tank ID:24501;Violation Description:Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	25329
Site Name:	DION & SONS, INC
Violation Date:	03-28-2014
Citation:	19 CCR 4 2729.2(a)(1) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(1)
Violation Description:	Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 04/24/2014. Inspection Sequence ID:4967013
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	25329
Site Name:	DION & SONS, INC
Violation Date:	03-29-2013
Citation:	HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7,

DION & SONS, INC (Continued) **S104749008**

	Section(s) 25292(e)
Violation Description:	Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes:	Returned to compliance on 07/01/2013. Inspection Sequence ID:4099111;Tank ID:24501,24502;Violation Description:Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.23 CCR 16 2662; HSC 6.7 25290.1(c)(2), 25290.2(c)(2), 25291(a), 25292(e)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	25329
Site Name:	DION & SONS, INC
Violation Date:	03-28-2014
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 04/24/2014. Inspection Sequence ID:4967013
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	25329
Site Name:	DION & SONS, INC
Violation Date:	03-15-2019
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 03/25/2019. Inspection Sequence ID:6102734;Tank ID:24504;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	25329

DION & SONS, INC (Continued) **S104749008**

Site Name:	DION & SONS, INC
Violation Date:	03-01-2018
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Inspection Sequence ID:5845592;Violation:HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	25329
Site Name:	DION & SONS, INC
Violation Date:	03-29-2013
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 07/01/2013. Inspection Sequence ID:4099111;Tank ID:24501,24504;Violation Description:Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected. 23 CCR 16 2636(f)(1)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	25329
Site Name:	DION & SONS, INC
Violation Date:	03-10-2022
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Inspection Sequence ID:6885336
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	25329
Site Name:	DION & SONS, INC
Violation Date:	03-29-2013
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 07/01/2013. Inspection Sequence ID:4099111;Tank ID:24501,24504;Violation Description:Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid. HSC 6.7 25290.1, 25290.2, 25291

DION & SONS, INC (Continued) **S104749008**

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 25329
Site Name: DION & SONS, INC
Violation Date: 03-15-2019
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 04/02/2019. Inspection Sequence ID:6102734;Tank ID:24500,24501,24502,24503,24504;Violation Description:Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system. 23 CCR 2712(a)(b)(f)(i)(j)(k)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 25329
Site Name: DION & SONS, INC
Violation Date: 03-29-2013
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description: Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes: Returned to compliance on 03/29/2013. Inspection Sequence ID:4099111;Tank ID:24500;Violation Description:Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 25329
Site Name: DION & SONS, INC
Violation Date: 03-15-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Release/Leaks/Spills - General
Violation Notes: Returned to compliance on 03/18/2019. Inspection Sequence ID:6102734;Violation:HMD1604 Failed to maintain secondary containment empty. 22 CCR 66265.196(b) and (c); 66265.194(c)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 25329
Site Name: DION & SONS, INC
Violation Date: 03-28-2014
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.
Violation Notes: Returned to compliance on 04/24/2014. Inspection Sequence ID:4967013;Tank ID:24500,24501,24502,24503,24504;Violation

DION & SONS, INC (Continued) **S104749008**

Description:Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information. 23 CCR 16 2711; HSC 6.7 25286(a)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 25329
Site Name: DION & SONS, INC
Violation Date: 03-02-2016
Citation: 23 CCR 16 2636(f)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(5)
Violation Description: Failure to maintain all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment.
Violation Notes: Returned to compliance on 03/09/2016. Inspection Sequence ID:5240481;Tank ID:24504,24503,24502,24501,24500;Violation Description:Failure to maintain all product piping outside the dispenser to be fail-safe & shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment. 23 CCR 2636(f)(5)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 25329
Site Name: DION & SONS, INC
Violation Date: 03-10-2022
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 03/10/2022. Inspection Sequence ID:6885336;Tank ID:24504;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division: San Diego County Department of Env Health
Violation Program: UST

DION & SONS, INC (Continued) **S104749008**

Violation Source: CERS,

Site ID: 25329
Site Name: DION & SONS, INC
Violation Date: 03-01-2018
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes: Returned to compliance on 03/01/2018. Inspection Sequence ID:5845592;Tank ID:24500,24501,24502,24503,24504;Violation Description:(RP) Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity; and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 2635(b)(2), 2665
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-01-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:5845592
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-02-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:5240481
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

DION & SONS, INC (Continued) **S104749008**

Eval Date:	03-07-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Khan Steven Inspection ID:5605805
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-07-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Khan Steven Inspection ID:5605805
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-10-2022
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Halsey Christopher Inspection ID:6885336
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:6102734
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-26-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Garchitorena Bobby Inspection ID:5160972
Eval Division:	San Diego County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-29-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Herrera Zoraida Inspection ID:4099111
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-29-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency

DION & SONS, INC (Continued) **S104749008**

Eval Notes: Inspector: Herrera Zoraida Inspection ID:4099111
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-01-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:5845592
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-01-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:5845592
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-02-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:5240481
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-02-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:5240481
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-10-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Halsey Christopher Inspection ID:6885336
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:6102734
Eval Division: San Diego County Department of Env Health
Eval Program: APSA

DION & SONS, INC (Continued) **S104749008**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:6102734
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:5160972
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:4967013
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-06-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: "No On-site Inspection" Inspector: Fernandez Juan Inspection ID:6389083
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Khan Steven Inspection ID:5605805
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-09-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:5451466
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

DION & SONS, INC (Continued) **S104749008**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-10-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Halsey Christopher Inspection ID:6885336
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-10-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Halsey Christopher Inspection ID:6885336
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:6102734
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:4967013
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Herrera Zoraida Inspection ID:4099111
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-01-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:5845592
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-02-2016
Violations Found: No

DION & SONS, INC (Continued) **S104749008**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:5240481
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Khan Steven Inspection ID:5605805
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-12-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: "No On-site Inspection" Inspector: Fernandez Juan Inspection ID:6586809
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:5160972
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:5160972
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:4967013
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 25329
Facility Name: DION & SONS, INC
Env Int Type Code: HWG
Program ID: 10377226

DION & SONS, INC (Continued) **S104749008**

Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.850170
Longitude: -116.951610

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1543 W 16TH ST
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Randy Rockwell
Entity Title: General Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Dion & Sons, Inc.
Entity Title: Not reported
Affiliation Address: 1543 W. 16TH ST.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (619) 258-7113,

Affiliation Type Desc: Operator
Entity Name: Dion & Sons, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 258-7113,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Randy Rockwell
Entity Title: General Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 582-6415,

Affiliation Type Desc: UST Property Owner Name

DION & SONS, INC (Continued) **S104749008**

Entity Name:	Dion & Sons, Inc.
Entity Title:	Not reported
Affiliation Address:	1543 W. 16th St.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90813
Affiliation Phone:	(562) 432-3946,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Mark Hein
Entity Title:	Not reported
Affiliation Address:	1543 W 16TH ST
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90813
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	REG Marketing & Logistics Group, LLC
Entity Title:	Not reported
Affiliation Address:	416 South Bell Ave.
Affiliation City:	Ames
Affiliation State:	IA
Affiliation Country:	United States
Affiliation Zip:	50010-711
Affiliation Phone:	(515) 239-8000,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	RANDY ROCKWELL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Dion & Sons, Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

DION & SONS, INC (Continued) **S104749008**

Affiliation Phone: ,

Affiliation Type Desc: UST Tank Operator
Entity Name: Dion & Sons, Inc
Entity Title: Not reported
Affiliation Address: 11427 Woodside Ave
Affiliation City: Santee
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92071
Affiliation Phone: (619) 582-6415,

Affiliation Type Desc: UST Tank Owner
Entity Name: Dion & Sons, Inc.
Entity Title: Not reported
Affiliation Address: 1543 W. 16th St.
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 432-3946,

S104 **ANTHONY T. DITTY** **LUST** **S101301751**
ENE **11427 WOODSIDE AVE** **CPS-SLIC** **N/A**
1/4-1/2 **SANTEE, CA 92071** **AST**
0.395 mi. **Cortese**
2085 ft. **Site 2 of 2 in cluster S** **HIST CORTESE**
SAN DIEGO CO LOP
Relative: **CERS**
Higher

Actual: LUST REG 9:
369 ft.

Region: 9
Status: Remediation Plan
Case Number: 9UT938
Local Case: H19469-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Subsurface Monitoring
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 03/22/1988
Date Stopped: 05/25/1988
Confirm Date: 05/25/1988
Submit Workplan: Not reported
Prelim Assess: 03/22/1988
Desc Pollution: Not reported
Remed Plan: 12/20/1988
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 03/22/1988
Enforce Date: Not reported
Closed Date: Not reported

ANTHONY T. DITTY (Continued) **S101301751**

Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.12
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

CPS-SLIC:
Name: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AV
City,State,Zip: SANTEE, CA 920714725
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/01/1999
Global Id: T0608144417
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H19469-004
Latitude: 32.850077
Longitude: -116.951158
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Name: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AV
City,State,Zip: SANTEE, CA 920714725
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/18/1997
Global Id: T0608182940
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H19469-003
Latitude: 32.850077
Longitude: -116.951158
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

ANTHONY T. DITTY (Continued) **S101301751**

Name:	EL CAPITAN OIL COMPANY
Address:	11427 WOODSIDE AV
City,State,Zip:	SANTEE, CA 920714725
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/08/1996
Global Id:	T0608115165
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H19469-002
Latitude:	32.850077
Longitude:	-116.951158
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Name:	DION & SONS
Address:	11427 WOODSIDE AVENUE
City,State,Zip:	SANTEE, CA 92071
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	09/11/2012
Global Id:	T10000004271
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H19469-005
Latitude:	32.8501549118221
Longitude:	-116.951265335083
Case Type:	Cleanup Program Site
Case Worker:	EM
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Diesel
Site History:	This is a new VAP case for a release from an AST system. This section will be updated as data is received.

Click here to access the California GeoTracker records for this facility:

AST:

Name:	EL CAPITAN OIL COMPANY
Address:	11427 WOODSIDE AV
City/Zip:	SANTEE,
Certified Unified Program Agencies:	San Diego
Owner:	SAMAD ATTISHA
Total Gallons:	72970
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported

ANTHONY T. DITTY (Continued) **S101301751**

Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

CORTESE:

Name:	EL CAPITAN OIL COMPANY
Address:	11427 WOODSIDE AV
City,State,Zip:	SANTEE, CA 920714725
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607303173
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	ANTHONY T. DITTY
edr_fadd1:	11427 WOODSIDE
City,State,Zip:	LAKESIDE, CA 92071
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT938

ANTHONY T. DITTY (Continued) **S101301751**

SAN DIEGO CO LOP:

Name:	EL CAPITAN OIL COMPANY
Address:	11427 WOODSIDE AVE
City,State,Zip:	SANTEE, CA 92071
Record ID:	DEH1988-LSAM-H19469-001
Record Status:	Completed
Opened Date:	03/02/1988
Parcel Number:	382-320-06-00
Case Type:	LOP - Local Oversight Program
Historical Name:	BUY WRIGHT OIL/EL CAPITAN OIL
SWRCB Global ID:	T0607303173
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	03/22/1988
Census Tract:	167.01
Community:	Santee
Jurisdiction:	SANTEE
Watershed Basin Number:	907.12
Water Purveyor:	PADRE DAM MUNICIPAL WATER DISTRICT
Fire Agency:	PADRE DAM MUNICIPAL WATER DISTRICT
Latitude:	32.8500941
Longitude:	-116.9511517
X MapCoord:	6346331.523
Y MapCoord:	1889808.102

CERS:

Name:	DION & SONS
Address:	11427 WOODSIDE AVENUE
City,State,Zip:	SANTEE, CA 92071
Site ID:	255020
CERS ID:	T10000004271
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

T105 **SANTEE ARMY CAMP** **ENVIROSTOR** **S107737292**
SSW **N/A**
1/2-1 **SANTEE, CA**
0.755 mi.
3988 ft. **Site 1 of 2 in cluster T**

Relative:
Higher

Actual:
376 ft.

ENVIROSTOR:

Name:	SANTEE ARMY CAMP
Address:	Not reported
City,State,Zip:	SANTEE, CA
Facility ID:	80000969
Status:	Inactive - Needs Evaluation

SANTEE ARMY CAMP (Continued) **S107737292**

Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	71
Senate:	38
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	32.8375
Longitude:	-116.9666
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799FA35200
Alias Type:	Federal Facility ID
Alias Name:	J09CA7323
Alias Type:	INPR
Alias Name:	80000969
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	09/21/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

T106 **ARMY CAMP (SANTEE)** **FUDS** **1024904003**
SSW **N/A**
1/2-1 **SANTEE, CA**
0.757 mi.
3997 ft. **Site 2 of 2 in cluster T**

Relative:
Higher

Actual:
376 ft.

FUDS:

EPA Region:	9
Installation ID:	CA99799FA35200
Congressional District Number:	50

ARMY CAMP (SANTEE) (Continued) **1024904003**

Name:	ARMY CAMP (SANTEE)
FUDS Number:	J09CA7323
City:	SANTEE
State:	CA
County:	SAN DIEGO
Object ID:	9117
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=62916
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	The Army acquired the use of the Santee Camp through unknown means sometime in 1941. There are no records of the camp's existence after 1943. The Army used an existing structure, built in approximately 1915, as a headquarters building. The quartermaster units stationed at the camp lived in tents, which were located on the north side and on the east side of the headquarters building. There may also have been tents located to the south of the headquarters building. First-hand witnesses of the camp suggested that the site was used as a fuel depot for Army trucks. The former headquarters building still exists, and is now used as a restaurant. Except for a small field to the south of the headquarters structure, the entire site has been developed into a commercial area. Other than the restaurant building, no other military improvements remain on the property.
Project Required:	No
Feature Description:	Not reported
Latitude:	32.8375
Longitude:	-116.96666667

U107 **DAVE'S AUTO SERVICE** **HIST Cal-Sites** **S102860941**
SW **10438 MISSION GORGE ROAD** **N/A**
1/2-1 **SANTEE, CA 92071**
0.812 mi.
4290 ft. **Site 1 of 2 in cluster U**

Relative: **Higher**
Actual: **363 ft.**

Calsite:

Name:	DAVE'S AUTO SERVICE
Address:	10438 MISSION GORGE ROAD
City:	SANTEE
Region:	CYPRESS
Facility ID:	37750003
Facility Type:	RP
Type:	RESPONSIBLE PARTY
Branch:	SB
Branch Name:	SO CAL - CYPRESS
File Name:	Not reported
State Senate District:	07302003
Status:	CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name:	CERTIFIED
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	75
SIC Name:	AUTO REPAIR, SERVICES & PARKING
Access:	Not reported

DAVE'S AUTO SERVICE (Continued) **S102860941**

Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
Staff Member Responsible for Site:	JCULLY
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	SD
Region Water Control Board Name:	SAN DIEGO
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	77
State Senate District Code:	36
Facility ID:	37750003
Activity:	DISC
Activity Name:	DISCOVERY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11081995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	37750003
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12201995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported

DAVE'S AUTO SERVICE (Continued) **S102860941**

Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	37750003
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PASI
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08021999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	37750003
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	ISED
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12222000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	37750003
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	Not reported

DAVE'S AUTO SERVICE (Continued) **S102860941**

Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04102003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	37750003
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06272003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	172
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	1
Unknown Type:	0
Facility ID:	37750003
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07302003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED

DAVE'S AUTO SERVICE (Continued) **S102860941**

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	37750003
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PEAE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11152002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	10438 MISSION GORGE ROAD
Alternate City,St,Zip:	SANTEE, CA 92071
Background Info:	Richard Storrs has leased the entire property from Lloyd Parson and Lloyd and Rose E. Parsons Trust since 1970. David Tucker subleased a portion of this property from Mr. Storrs from 1985 to 1986, and again from 1987 to 1993, and used the building as a radiator repair shop. After the sublease expired in 1993, Mr. Storrs and Mr. Tucker entered into a 20-year sublease agreement for the radiator shop. In 1993, Mr. Storrs evicted Mr. Tucker for nonpayment of rent.
	Not reported
	Three businesses currently operate on the Site. These include: 1) Conceptions Retail Store (a toy and baby supply store), 2) Import Auto Tech, and 3) Chi Li Auto Center (Parker Properties, 2002). Conceptions Retail Store used to be a Sewing and Vacuum shop. The parking lot for Conceptions Retail Store is in the southeast portion of the Site. Previously, there was a J.T. Diesel in the northern portion of the site, and Brake Depot was there prior to that. J.T. Diesel was east of Chi Li Auto Center, northeast of Conceptions Retail Store, south of the former sump, and southwest of the section of bare soil in the northeast corner of the Site. This portion of the site is now

DAVE'S AUTO SERVICE (Continued) **S102860941**

vacant. The cars that were being serviced by J.T. Diesel were parked on the Site, in the eastern portion of the site, east of J.T. Diesel. The employees of Chi Li Auto Center park on an adjacent property immediately east of the site.

Comments Date: 06272003
Comments: amount excavated was 224 tons, or an estimated 172 cubic yards.
Comments Date: 04102003
Comments: The Removal Action Workplan was approved for the excavation of
Comments Date: 04102003
Comments: approximately 180 cubic yards of soil contaminated with lead
Comments Date: 04102003
Comments: and cadmium from this site and adjacent areas and the disposal
Comments Date: 04102003
Comments: of this soil to a permitted disposal facility.
Comments Date: 04262001
Comments: Samples taken at the site using an XRF. Found up to 38,000
Comments Date: 04262001
Comments: ppm. of lead.
Comments Date: 05251999
Comments: Performed site visit as part of PA, and took samples. Found
Comments Date: 05251999
Comments: lead as high as 11,000 ppm.
Comments Date: 06231999
Comments: Mailed PA package to U.S. EPA.
Comments Date: 06272003
Comments: Lead and cadmium-contaminated soil was excavated and removed to
Comments Date: 06272003
Comments: a permitted disposal facility. Cleanup was completed to a
Comments Date: 06272003
Comments: residential standard. All confirmation samples were below the
Comments Date: 07302003
Comments: The Department has determined that all appropriate response
Comments Date: 07302003
Comments: actions have been completed, that all acceptable engineering
Comments Date: 07302003
Comments: practices were implemented and that no further removal/remedial
Comments Date: 07302003
Comments: action is necessary.
Comments Date: 08021999
Comments: Completed a Preliminary Assessment with sampling for this site.
Comments Date: 08021999
Comments: It was approved by U.S.EPA on August 2, 1999.
Comments Date: 09252001
Comments: DTSC's contractor Tetra-tech submitted a report of soil
Comments Date: 09252001
Comments: sampling. Found up to approximately 1,000 mg./kg lead.
Comments Date: 09252001
Comments: Tetra-tech will take more surface samples and prepare a
Comments Date: 09252001
Comments: Removal Action Workplan.
Comments Date: 10191998
Comments: Changed the site status from PEAR to PEAP.
Comments Date: 10222002
Comments: Tetra Tech, the contractor, submitted the latest version of
Comments Date: 10222002
Comments: the RAW. With minor variations, DTSC has approved it.
Comments Date: 11081995

DAVE'S AUTO SERVICE (Continued) **S102860941**

Comments:	Release discovered, date of release is unknown.
Comments Date:	11081995
Comments:	Lab reports show Lead contamination in soil, 971 mg/kg.
Comments Date:	11152002
Comments:	Through its contractor DTSC completed a site investigation
Comments Date:	11152002
Comments:	report as part of the second phase of a remedial investigation
Comments Date:	11152002
Comments:	for this site.
Comments Date:	12201995
Comments:	PEA required letter sent to Dave's Auto Service.
Comments Date:	12201995
Comments:	Not reported
Comments Date:	12201995
Comments:	Contacts:
Comments Date:	12201995
Comments:	Dave's Auto Service: Dave Tucker (619) 562-5432
Comments Date:	12201995
Comments:	Consultant: Safety Compliance Inc
Comments Date:	12201995
Comments:	Charles Ferguson (619) 449-5969
Comments Date:	12201995
Comments:	Not reported
Comments Date:	12201995
Comments:	Radiator repair process tank (above ground) possibly used
Comments Date:	12201995
Comments:	by previous operator (Storr's Auto Repair) indications of
Comments Date:	12201995
Comments:	leakage on-site running off-site at rear. Private
Comments Date:	12201995
Comments:	residence across alley way in rear.
Comments Date:	12201995
Comments:	No action taken as yet. SD County and RWQCB notified.
Comments Date:	12222000
Comments:	I &SE Determination issued.
Comments Date:	06272003
Comments:	action levels of 147 mg/kg lead and 1.4 mg/kg cadmium. Total
ID Name:	CALSTARS CODE
ID Value:	400713
Alternate Name:	DAVE'S AUTO SERVICE
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

U108 **DAVE'S AUTO SERVICE** **RESPONSE** **S108744490**
SW **10438 MISSION GORGE ROAD** **ENVIROSTOR** **N/A**
1/2-1 **SANTEE, CA 92071** **LIENS**
0.812 mi.
4290 ft. **Site 2 of 2 in cluster U**

Relative: **Higher**
Actual: **363 ft.**

RESPONSE:

Name:	DAVE'S AUTO SERVICE
Address:	10438 MISSION GORGE ROAD
City,State,Zip:	SANTEE, CA 92071
Facility ID:	37750003
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	0.55

DAVE'S AUTO SERVICE (Continued) **S108744490**

National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Site Code:	400713
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	71
Senate:	38
Special Program Status:	Not reported
Status:	Certified
Status Date:	07/30/2003
Restricted Use:	NO
Funding:	Orphan Funds
Latitude:	32.83868
Longitude:	-116.9699
APN:	NONE SPECIFIED
Past Use:	VEHICLE MAINTENANCE
Potential COC :	Lead
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	110033616638
Alias Type:	EPA (FRS #)
Alias Name:	400713
Alias Type:	Project Code (Site Code)
Alias Name:	37750003
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Lien Satisfaction
Completed Date:	02/07/2013
Comments:	Even though the property owners have not paid for DTSC's costs, DTSC is releasing the lien from the property because the statute of limitations have been exceeded.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	07/31/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	08/02/1999
Comments:	Completed a Preliminary Assessment with sampling for this site. It was approved by U.S. EPA on August 2, 1999.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	05/03/2001
Comments:	Consultant sent final RI workplan, dated May 3, 2001, to DTSC.
Completed Area Name:	PROJECT WIDE

DAVE'S AUTO SERVICE (Continued) **S108744490**

Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/15/2004
Comments: Field visit was performed on October 15, 2004.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/28/2003
Comments: Fact sheet dated February, 2003 was released in English and Spanish.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 11/15/2002
Comments: Approved Site Investigation Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 09/03/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 05/24/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 07/30/2003
Comments: The Department has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 12/22/2000
Comments: I &SE Determination issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 11/08/1995
Comments: Release discovered, date of release is unknown. Lab reports show Lead contamination in soil, 971 mg/kg.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/10/2003
Comments: The Removal Action Workplan was approved for the excavation of approximately 180 cubic yards of soil contaminated with lead and cadmium from this site and adjacent areas and the disposal of this

DAVE'S AUTO SERVICE (Continued) **S108744490**

soil to a permitted disposal facility.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	06/27/2003
Comments:	Lead and cadmium-contaminated soil was excavated and removed to a permitted disposal facility. Cleanup was completed to a residential standard. All confirmation samples were below the action levels of 147 mg/kg lead and 1.4 mg/kg cadmium. Total amount excavated was 224 tons, or an estimated 172 cubic yards.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	12/20/1995
Comments:	PEA required letter sent to Dave's Auto Service. Contacts: Dave's Auto Service: Dave Tucker (619) 562-5432 Consultant: Safety Compliance Inc Charles Ferguson (619) 449-5969 Radiator repair process tank (above ground) possibly used by previous operator (Storr's Auto Repair) indications of leakage on-site running off-site at rear. Private residence across alley way in rear. No action taken as yet. SD County and RWQCB notified.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

ENVIROSTOR:

Name:	DAVE'S AUTO SERVICE
Address:	10438 MISSION GORGE ROAD
City,State,Zip:	SANTEE, CA 92071
Facility ID:	37750003
Status:	Certified
Status Date:	07/30/2003
Site Code:	400713
Site Type:	State Response
Site Type Detailed:	State Response or NPL
Acres:	0.55
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	71
Senate:	38
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Orphan Funds

DAVE'S AUTO SERVICE (Continued) **S108744490**

Latitude: 32.83868
Longitude: -116.9699
APN: NONE SPECIFIED
Past Use: VEHICLE MAINTENANCE
Potential COC: Lead
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 110033616638
Alias Type: EPA (FRS #)
Alias Name: 400713
Alias Type: Project Code (Site Code)
Alias Name: 37750003
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien Satisfaction
Completed Date: 02/07/2013
Comments: Even though the property owners have not paid for DTSC's costs, DTSC is releasing the lien from the property because the statute of limitations have been exceeded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/31/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/02/1999
Comments: Completed a Preliminary Assessment with sampling for this site. It was approved by U.S. EPA on August 2, 1999.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/03/2001
Comments: Consultant sent final RI workplan, dated May 3, 2001, to DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/15/2004
Comments: Field visit was performed on October 15, 2004.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/28/2003
Comments: Fact sheet dated February, 2003 was released in English and Spanish.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 11/15/2002

DAVE'S AUTO SERVICE (Continued) **S108744490**

Comments:	Approved Site Investigation Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Letter - Notice
Completed Date:	09/03/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Lien
Completed Date:	05/24/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	07/30/2003
Comments:	The Department has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Imminent and/or Subst. Endangerment Determination
Completed Date:	12/22/2000
Comments:	I &SE Determination issued.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	11/08/1995
Comments:	Release discovered, date of release is unknown. Lab reports show Lead contamination in soil, 971 mg/kg.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	04/10/2003
Comments:	The Removal Action Workplan was approved for the excavation of approximately 180 cubic yards of soil contaminated with lead and cadmium from this site and adjacent areas and the disposal of this soil to a permitted disposal facility.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	06/27/2003
Comments:	Lead and cadmium-contaminated soil was excavated and removed to a permitted disposal facility. Cleanup was completed to a residential standard. All confirmation samples were below the action levels of 147 mg/kg lead and 1.4 mg/kg cadmium. Total amount excavated was 224 tons, or an estimated 172 cubic yards.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening

DAVE'S AUTO SERVICE (Continued) **S108744490**

Completed Date: 12/20/1995
Comments: PEA required letter sent to Dave's Auto Service. Contacts: Dave's Auto Service: Dave Tucker (619) 562-5432 Consultant: Safety Compliance Inc Charles Ferguson (619) 449-5969 Radiator repair process tank (above ground) possibly used by previous operator (Storr's Auto Repair) indications of leakage on-site running off-site at rear. Private residence across alley way in rear. No action taken as yet. SD County and RWQCB notified.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LIENS:
Name: DAVE'S AUTO SERVICE
City,State,Zip: SANTEE, CA 92071
Envirostor Id: 37750003
Latitude: 32.838684
Longitude: -116.96990
Project Mgr: JOSEPH CULLY
Project Code: 400713
If Satisfied: YES
Date Satisfied: 2/7/2013
Site Status: CERTIFIED
Site Type: STATE RESPONSE OR NPL
Completed: 05/24/2010
Lien Amount: $502,417.55
Amount Remaining: Not reported
APNS: Not reported
Description: Richard Storrs has leased the entire property from Lloyd Parson and Lloyd and Rose E. Parsons Trust since 1970. David Tucker subleased a portion of this property from Mr. Storrs from 1985 to 1986, and again from 1987 to 1993, and used the building as a radiator repair shop. After the sublease expired in 1993, Mr. Storrs and Mr. Tucker entered into a 20-year sublease agreement for the radiator shop. In 1993, Mr. Storrs evicted Mr. Tucker for nonpayment of rent. A Remedial Investigation was performed at the site, and later a Removal Action Workplan, for the removal of soil contaminated with lead for both the Parsons property and an adjacent property which had also been contaminated. Teh Removal Action was completed, andt he site has been certified.

109 NW 1/2-1 0.831 mi. 4389 ft.

SANTANA HIGH SCHOOL
9915 MAGNOLIA AVENUE
SANTEE, CA 92071

ENVIROSTOR SCH CERS

S103677965 N/A

Relative: Higher

Actual: 383 ft.

ENVIROSTOR:

Name:	SANTANA HIGH SCHOOL
Address:	9915 MAGNOLIA AVENUE
City,State,Zip:	SANTEE, CA 92071
Facility ID:	60000859
Status:	Inactive - Withdrawn
Status Date:	09/23/2008
Site Code:	404785
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Aslam Shareef
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	71
Senate:	38
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	32.85733
Longitude:	-116.9710
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	404785
Alias Type:	Project Code (Site Code)
Alias Name:	60000859
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	05/19/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/23/2008
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported

SANTANA HIGH SCHOOL (Continued) **S103677965**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: SANTANA HIGH SCHOOL
Address: 9915 MAGNOLIA AVENUE
City,State,Zip: SANTEE, CA 92071
Facility ID: 60000859
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Aslam Shareef
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404785
Assembly: 71
Senate: 38
Special Program Status: Not reported
Status: Inactive - Withdrawn
Status Date: 09/23/2008
Restricted Use: NO
Funding: School District
Latitude: 32.85733
Longitude: -116.9710
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 404785
Alias Type: Project Code (Site Code)
Alias Name: 60000859
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 05/19/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/23/2008
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

SANTANA HIGH SCHOOL (Continued) **S103677965**

Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS:
Name: SANTANA HIGH SCHOOL
Address: 9915 MAGNOLIA AVENUE
City,State,Zip: SANTEE, CA 92071
Site ID: 610016
CERS ID: 60000859
CERS Description: School Investigation

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: Shahir Haddad
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Lead Project Manager
Entity Name: Aslam Shareef
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

---

110 WSW 1/2-1 0.841 mi. 4438 ft. **EDGEMORE HOSPITAL** **Notify 65** **S100178162 N/A**

SANTEE, CA

Relative: Lower

Actual: 350 ft.

NOTIFY 65:
Name: EDGEMORE HOSPITAL
Address: Not reported
City,State,Zip: SANTEE, CA
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

Count: 2 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LAKESIDE	S126984237	KEPHART DUMP	SAN DIEGO EUCALYPTUS LANDS	92040	SWF/LF
LAKESIDE	S105298892	ARCO FACILITY NO. 9760	WOODSIDE AV	92040	San Diego Co. HMMD

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/19/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 71

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 06/21/2022
Number of Days to Update: 6

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 81

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 06/01/2022
Date Data Arrived at EDR: 06/09/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/21/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 08/12/2022
Date Data Arrived at EDR: 08/16/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 12/10/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/21/2022
Number of Days to Update: 76

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/03/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/11/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/12/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/10/2022
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 69
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 04/14/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/24/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 68

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/02/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/22/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/21/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 79
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/20/2022
Date Data Arrived at EDR: 05/20/2022
Date Made Active in Reports: 08/09/2022
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/16/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/12/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 42

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/19/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/09/2022
Date Data Arrived at EDR: 08/10/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 20

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/05/2022
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 81
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/10/2022
Date Data Arrived at EDR: 06/10/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/16/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/29/2022
Date Data Arrived at EDR: 06/29/2022
Date Made Active in Reports: 07/21/2022
Number of Days to Update: 22

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 09/02/2022
Number of Days to Update: 79

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/21/2022
Date Data Arrived at EDR: 04/22/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/20/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/06/2022
Date Data Arrived at EDR: 07/07/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 04/12/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 84

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 86

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 03/22/2022
Date Data Arrived at EDR: 06/24/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 76

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 04/21/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 82

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/21/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 3

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/03/2022
Date Made Active in Reports: 07/20/2022
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/01/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/07/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/07/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/30/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 5

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/30/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/29/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 6

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 6

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/20/2022
Number of Days to Update: 75

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/29/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/27/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 76

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/28/2022
Date Data Arrived at EDR: 04/28/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 78

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/28/2022
Date Data Arrived at EDR: 04/28/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 78

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/22/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 09/14/2022
Number of Days to Update: 76
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 84
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 08/29/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

Â© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

10990 WOODSIDE AVE N
10990 WOODSIDE AVE N
SANTEE, CA 92071

TARGET PROPERTY COORDINATES

Latitude (North):	32.848148 - 32ˆ 50’ 53.33’’
Longitude (West):	116.959312 - 116ˆ 57’ 33.52’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	503807.5
UTM Y (Meters):	3634263.0
Elevation:	356 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12008233 EL CAJON, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

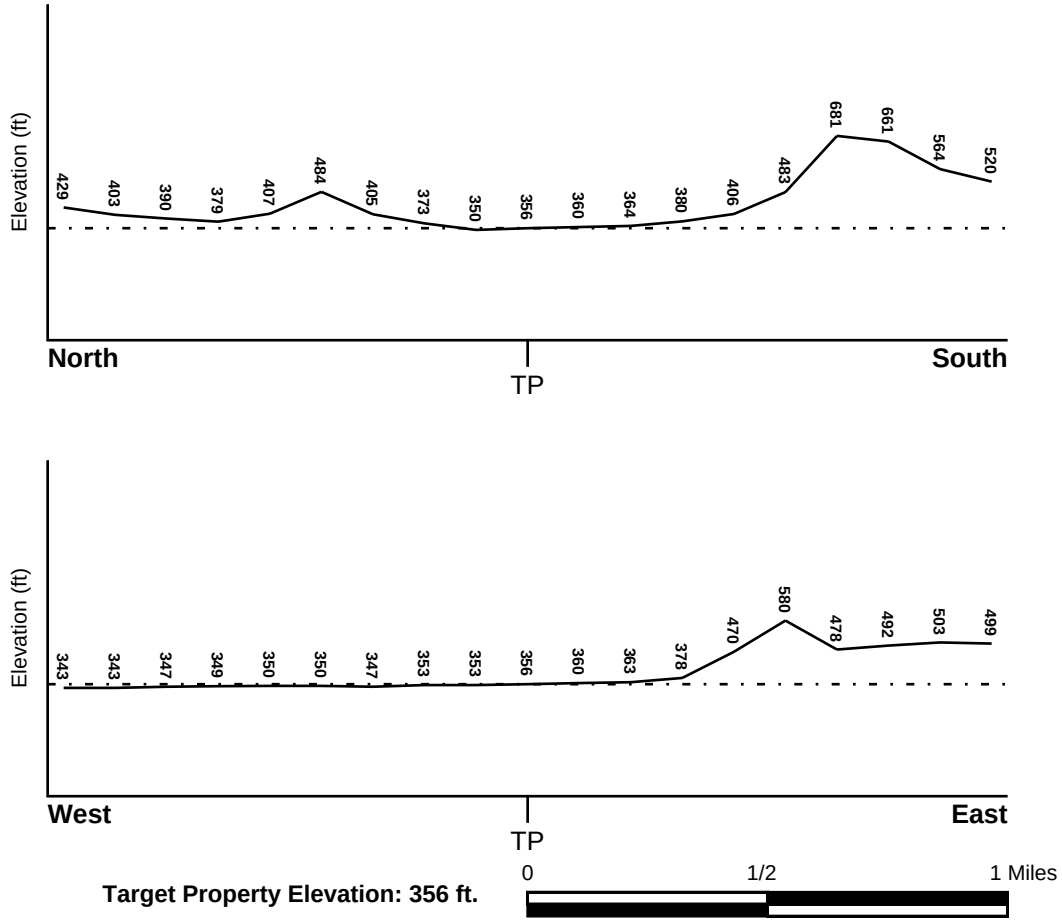
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06073C1652G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06073C1651G	FEMA FIRM Flood data
06073C1653G	FEMA FIRM Flood data
06073C1654G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
EL CAJON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

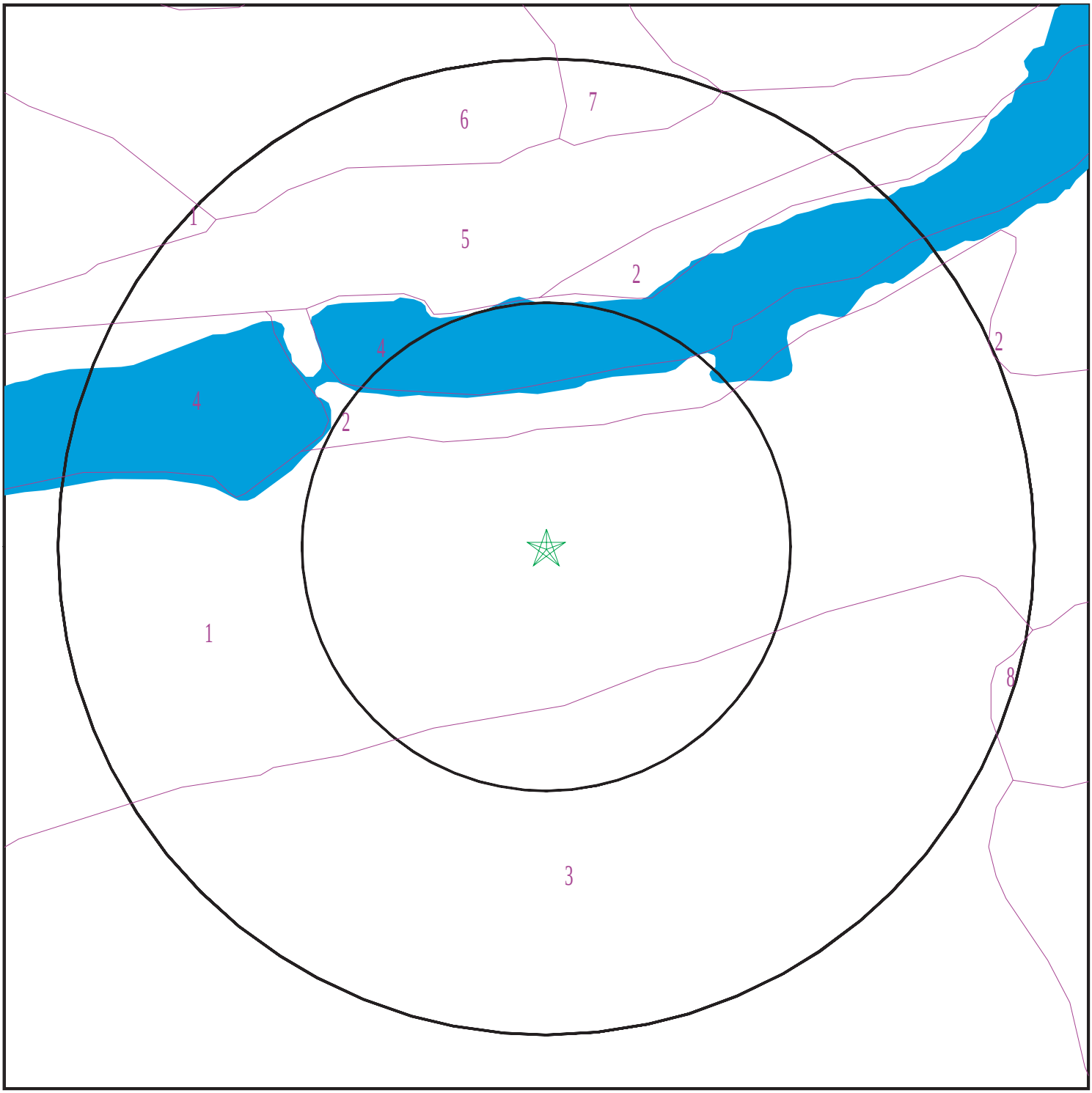
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7126896.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	10990 WOODSIDE AVE N	CLIENT:	Hazard Management Consulting
ADDRESS:	10990 WOODSIDE AVE N SANTEE CA 92071	CONTACT:	Troy Taylor
LAT/LONG:	32.848148 / 116.959312	INQUIRY #:	7126896.2s
		DATE:	September 22, 2022 6:16 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: VISALIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1
2	11 inches	40 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1
3	40 inches	59 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1

Soil Map ID: 2

Soil Component Name: RIVERWASH

Soil Surface Texture: gravelly coarse sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Excessively drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 168 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: Min:
2	5 inches	59 inches	stratified extremely gravelly coarse sand to gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: Min:

Soil Map ID: 3

Soil Component Name: RAMONA

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
2	16 inches	59 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
3	59 inches	74 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6

Soil Map ID: 4

Soil Component Name: Water

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: TUJUNGA

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6
2	14 inches	33 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6
3	33 inches	59 inches	stratified gravelly sand to gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6

Soil Map ID: 6

Soil Component Name: PLACENTIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	12 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9
2	12 inches	33 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9

Soil Map ID: 7

Soil Component Name: GREENFIELD

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.6
2	5 inches	33 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.6
3	33 inches	66 inches	stratified loamy coarse sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.6

Soil Map ID: 8

Soil Component Name: CIENEBA

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: Min:	Max: Min:
2	9 inches	14 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D29	USGS40000129916	1/2 - 1 Mile West
I46	USGS40000129937	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

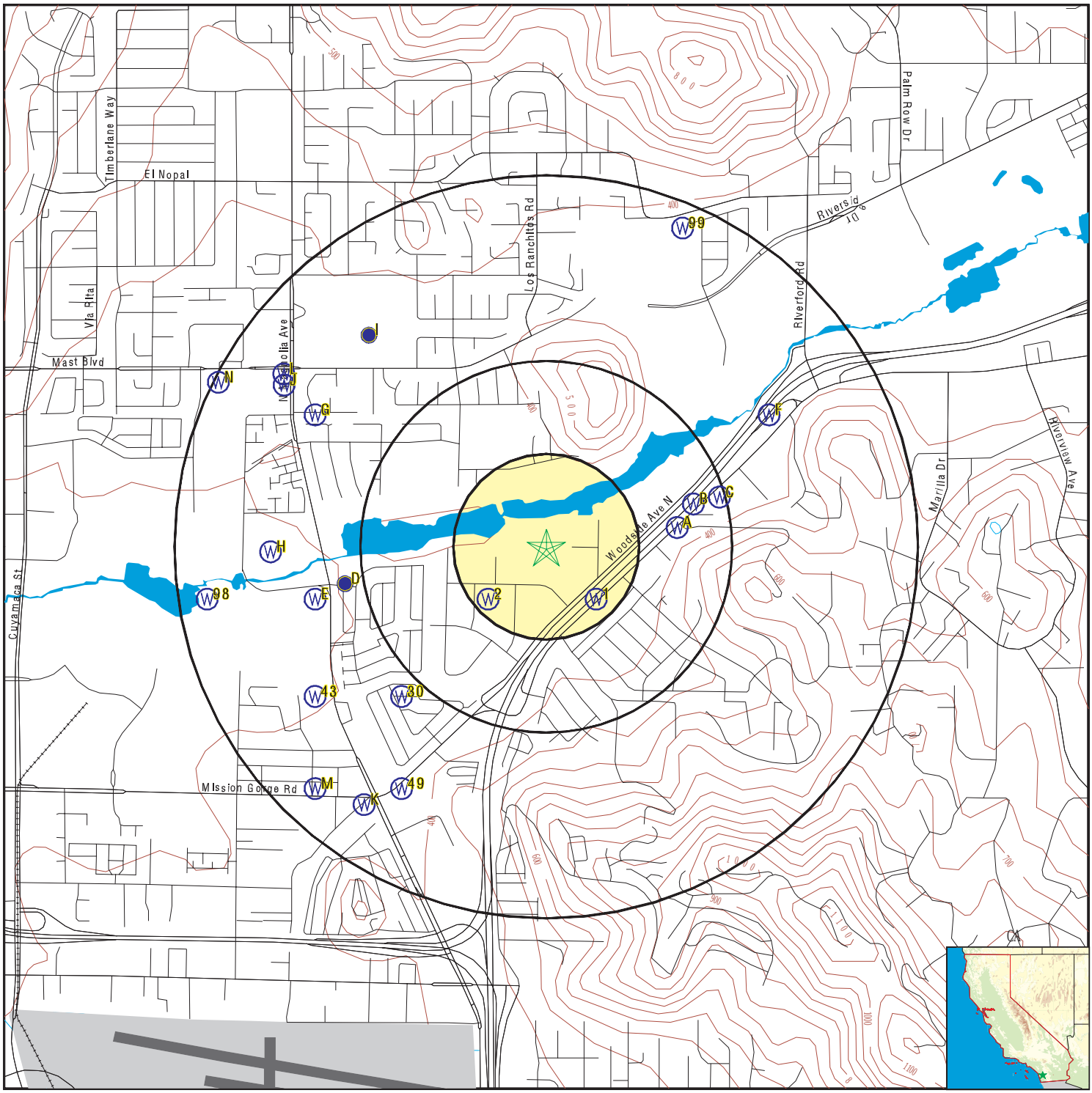
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADWR0000036226	1/8 - 1/4 Mile SE
2	CADWR0000007719	1/8 - 1/4 Mile SW
A3	CAEDF0000077896	1/4 - 1/2 Mile East
B4	CAEDF0000003377	1/4 - 1/2 Mile ENE
A5	CAEDF0000016265	1/4 - 1/2 Mile East
B6	CAEDF0000007537	1/4 - 1/2 Mile ENE
B7	CAEDF0000123642	1/4 - 1/2 Mile ENE
B8	CAEDF0000050691	1/4 - 1/2 Mile ENE
B9	CAEDF0000078606	1/4 - 1/2 Mile ENE
C10	CAEDF0000106460	1/4 - 1/2 Mile ENE
C11	CAEDF0000119738	1/4 - 1/2 Mile ENE
C12	CAEDF0000007982	1/4 - 1/2 Mile ENE
C13	CAEDF0000098574	1/4 - 1/2 Mile ENE
C14	CAEDF0000068205	1/4 - 1/2 Mile ENE
C15	CAEDF0000110340	1/4 - 1/2 Mile ENE
C16	CAEDF0000127681	1/4 - 1/2 Mile ENE
C17	CAEDF0000084668	1/4 - 1/2 Mile ENE
C18	CAEDF0000057738	1/4 - 1/2 Mile ENE
C19	CAEDF0000017481	1/4 - 1/2 Mile ENE
C20	CAEDF0000074240	1/4 - 1/2 Mile ENE
C21	CAEDF0000088824	1/4 - 1/2 Mile ENE
C22	CAEDF0000109541	1/4 - 1/2 Mile ENE
C23	CAEDF0000044216	1/4 - 1/2 Mile ENE
C24	CAEDF0000088474	1/2 - 1 Mile ENE
C25	CAEDF0000071163	1/2 - 1 Mile ENE
C26	CAEDF0000007834	1/2 - 1 Mile ENE
C27	CAEDF0000129930	1/2 - 1 Mile ENE
D28	CAUSGSN00003066	1/2 - 1 Mile West
30	CADWR0000002796	1/2 - 1 Mile SW
E31	CADWR0000024386	1/2 - 1 Mile WSW
E32	CADWR0000018735	1/2 - 1 Mile WSW
E33	CADWR0000018644	1/2 - 1 Mile WSW
F34	CADWR0000003227	1/2 - 1 Mile ENE
F35	CADWR0000004260	1/2 - 1 Mile ENE
G36	CADWR0000001600	1/2 - 1 Mile WNW
G37	CADWR0000008714	1/2 - 1 Mile WNW
H38	CAEDF0000106144	1/2 - 1 Mile West
H39	CAEDF0000019468	1/2 - 1 Mile West
H40	CAEDF0000031787	1/2 - 1 Mile West
H41	CAEDF0000113145	1/2 - 1 Mile West
H42	CAEDF0000089199	1/2 - 1 Mile West
43	CADWR0000007857	1/2 - 1 Mile WSW
I44	CAUSGSN00015577	1/2 - 1 Mile NW
H45	CAEDF0000060710	1/2 - 1 Mile West
H47	CAEDF0000093974	1/2 - 1 Mile West
H48	CAEDF0000031702	1/2 - 1 Mile West
49	CADWR0000004413	1/2 - 1 Mile SSW
J50	CAEDF0000093811	1/2 - 1 Mile WNW
J51	CAEDF0000120681	1/2 - 1 Mile WNW
J52	CAEDF0000083615	1/2 - 1 Mile WNW
J53	CAEDF0000106149	1/2 - 1 Mile WNW
J54	CAEDF0000116998	1/2 - 1 Mile WNW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J55	CAEDF0000131320	1/2 - 1 Mile WNW
J56	CAEDF0000046659	1/2 - 1 Mile WNW
K57	CAEDF0000097166	1/2 - 1 Mile SSW
K58	CAEDF0000058938	1/2 - 1 Mile SW
J59	CAEDF0000134270	1/2 - 1 Mile WNW
L60	CAEDF0000099776	1/2 - 1 Mile NW
L61	CAEDF0000021375	1/2 - 1 Mile NW
J62	CAEDF0000100042	1/2 - 1 Mile WNW
K63	CAEDF0000074976	1/2 - 1 Mile SSW
J64	CAEDF0000117944	1/2 - 1 Mile WNW
K65	CAEDF0000034301	1/2 - 1 Mile SW
J66	CAEDF0000052163	1/2 - 1 Mile WNW
J67	CAEDF0000101025	1/2 - 1 Mile WNW
K68	CAEDF0000104365	1/2 - 1 Mile SSW
K69	CAEDF0000042666	1/2 - 1 Mile SW
K70	CAEDF0000109451	1/2 - 1 Mile SW
J71	CAEDF0000006551	1/2 - 1 Mile WNW
K72	CAEDF0000069424	1/2 - 1 Mile SW
K73	CAEDF0000099868	1/2 - 1 Mile SSW
K74	CAEDF0000060825	1/2 - 1 Mile SW
K75	CAEDF0000081592	1/2 - 1 Mile SW
K76	CAEDF0000106266	1/2 - 1 Mile SW
K77	CAEDF0000030745	1/2 - 1 Mile SW
L78	CAEDF0000052018	1/2 - 1 Mile WNW
K79	CAEDF0000087777	1/2 - 1 Mile SSW
K80	CAEDF0000064558	1/2 - 1 Mile SW
J81	CAEDF0000065356	1/2 - 1 Mile WNW
K82	CAEDF0000038778	1/2 - 1 Mile SSW
K83	CAEDF0000114839	1/2 - 1 Mile SW
K84	CAEDF0000107258	1/2 - 1 Mile SW
K85	CAEDF0000067998	1/2 - 1 Mile SSW
J86	CAEDF0000033499	1/2 - 1 Mile WNW
K87	CAEDF0000115246	1/2 - 1 Mile SW
K88	CAEDF0000092105	1/2 - 1 Mile SW
K89	CAEDF0000131478	1/2 - 1 Mile SW
K90	CAEDF0000100627	1/2 - 1 Mile SW
L91	CAEDF0000120551	1/2 - 1 Mile WNW
K92	CAEDF0000115243	1/2 - 1 Mile SW
K93	CAEDF0000084373	1/2 - 1 Mile SW
M94	CADWR0000023171	1/2 - 1 Mile SW
M95	CADWR0000019673	1/2 - 1 Mile SW
M96	CADWR0000014893	1/2 - 1 Mile SW
M97	CADWR0000026129	1/2 - 1 Mile SW
98	CADWR0000003997	1/2 - 1 Mile West
99	CADWR0000012524	1/2 - 1 Mile NNE
N100	CAEDF0000060239	1/2 - 1 Mile WNW
N101	CAEDF0000014109	1/2 - 1 Mile WNW
N102	CAEDF0000078820	1/2 - 1 Mile WNW
N103	CAEDF0000104776	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 7126896.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	10990 WOODSIDE AVE N	CLIENT:	Hazard Management Consulting
ADDRESS:	10990 WOODSIDE AVE N SANTEE CA 92071	CONTACT:	Troy Taylor
LAT/LONG:	32.848148 / 116.959312	INQUIRY #:	7126896.2s
		DATE:	September 22, 2022 6:16 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1 **SE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CADWR0000036226**

Well ID:	15S01W23P001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W23P001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W23P001S&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
2 **SW** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CADWR0000007719**

Well ID:	15S01W23N001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W23N001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W23N001S&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
A3 **East** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000077896**

Well ID:	T0607303173-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-18		

	Database	EDR ID Number
B4 **ENE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000003377**

Well ID:	T0607303173-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
East
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000016265**

Well ID:	T0607303173-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-16		

B6
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000007537**

Well ID:	T0607303173-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-11		

B7
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000123642**

Well ID:	T0607303173-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-15		

B8
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000050691**

Well ID:	T0607303173-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-19		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B9
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000078606**

Well ID:	T0607303173-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-14		

C10
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000106460**

Well ID:	T0607303173-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-9		

C11
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000119738**

Well ID:	T0607303173-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-6		

C12
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000007982**

Well ID:	T0607303173-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C13
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000098574**

Well ID:	T0607303173-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW8		

C14
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000068205**

Well ID:	T0607303173-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-1		

C15
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000110340**

Well ID:	T0607303173-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW1		

C16
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000127681**

Well ID:	T0607303173-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C17
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000084668**

Well ID:	T0607303173-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-4		

C18
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000057738**

Well ID:	T0607303173-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-17		

C19
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000017481**

Well ID:	T0607303173-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-7		

C20
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000074240**

Well ID:	T0607303173-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C21
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000088824**

Well ID:	T0607303173-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW5		

C22
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000109541**

Well ID:	T0607303173-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-3		

C23
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000044216**

Well ID:	T0607303173-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW3		

C24
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000088474**

Well ID:	T0607303173-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C25
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000071163**

Well ID:	T0607303173-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-2		

C26
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000007834**

Well ID:	T0607303173-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-10		

C27
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000129930**

Well ID:	T0607303173-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303173&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303173&assigned_name=MW-13		

D28
West
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00003066**

Well ID:	USGS-325048116580401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-325048116580401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-325048116580401&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D29
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000129916**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	015S001W22Q005S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

30
SW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000002796**

Well ID:	15S01W27A005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W27A005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W27A005S&store_num=		
GeoTracker Data:	Not Reported		

E31
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000024386**

Well ID:	15S01W22Q003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W22Q003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W22Q003S&store_num=		
GeoTracker Data:	Not Reported		

E32
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000018735**

Well ID:	15S01W22Q002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W22Q002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W22Q002S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E33
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000018644**

Well ID:	15S01W22Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W22Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W22Q001S&store_num=		
GeoTracker Data:	Not Reported		

F34
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000003227**

Well ID:	15S01W23H005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W23H005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W23H005S&store_num=		
GeoTracker Data:	Not Reported		

F35
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000004260**

Well ID:	15S01W23H004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W23H004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W23H004S&store_num=		
GeoTracker Data:	Not Reported		

G36
WNW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000001600**

Well ID:	15S01W22G001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W22G001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W22G001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G37
WNW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000008714**

Well ID:	15S01W22G002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W22G002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W22G002S&store_num=		
GeoTracker Data:	Not Reported		

H38
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000106144**

Well ID:	T0607399232-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399232&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399232&assigned_name=MW-3		

H39
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000019468**

Well ID:	T0607399232-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399232&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399232&assigned_name=MW-1		

H40
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000031787**

Well ID:	T0607399232-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399232&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399232&assigned_name=MW-6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H41
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000113145**

Well ID:	T0607399232-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399232&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399232&assigned_name=MW-5		

H42
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000089199**

Well ID:	T0607399232-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399232&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399232&assigned_name=MW-2		

43
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000007857**

Well ID:	15S01W27B002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W27B002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W27B002S&store_num=		
GeoTracker Data:	Not Reported		

I44
NW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00015577**

Well ID:	USGS-325123116580001	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-325123116580001	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-325123116580001&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H45
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000060710**

Well ID:	T0607399232-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399232&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399232&assigned_name=MW-4		

I46
NW
1/2 - 1 Mile
Higher

FED USGS **USGS40000129937**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	015S001W22G002S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

H47
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000093974**

Well ID:	T0607399232-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399232&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399232&assigned_name=MW-7		

H48
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000031702**

Well ID:	T0607399232-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399232&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399232&assigned_name=MW-8		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

49
SSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000004413**

Well ID:	15S01W27H001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W27H001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W27H001S&store_num=		
GeoTracker Data:	Not Reported		

J50
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000093811**

Well ID:	T0607302280-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-16		

J51
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000120681**

Well ID:	T0607302280-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-14		

J52
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000083615**

Well ID:	T0607302280-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-15		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J53
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000106149**

Well ID:	T0607302280-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-17		

J54
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000116998**

Well ID:	T0607302280-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-12		

J55
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000131320**

Well ID:	T0607302280-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-11		

J56
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000046659**

Well ID:	T0607302280-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K57
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000097166**

Well ID:	T0607303021-31	Well Type:	MONITORING
Source:	EDF	Other Name:	31
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=31&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=31		

K58
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000058938**

Well ID:	T0607303021-32	Well Type:	MONITORING
Source:	EDF	Other Name:	32
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=32&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=32		

J59
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000134270**

Well ID:	T0607302280-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-7		

L60
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000099776**

Well ID:	T0607302280-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L61
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000021375**

Well ID:	T0607302280-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-6		

J62
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000100042**

Well ID:	T0607302280-EW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	EW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=EW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=EW-1		

K63
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000074976**

Well ID:	T0607303021-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=MW-2		

J64
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000117944**

Well ID:	T0607302280-EW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	EW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=EW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=EW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K65
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000034301**

Well ID:	T0607303021-W-16	Well Type:	MONITORING
Source:	EDF	Other Name:	W-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-16		

J66
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000052163**

Well ID:	T0607302280-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-1		

J67
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000101025**

Well ID:	T0607302280-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-5		

K68
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000104365**

Well ID:	T0607303021-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=MW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K69
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000042666**

Well ID:	T0607303021-W-13	Well Type:	MONITORING
Source:	EDF	Other Name:	W-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-13		

K70
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000109451**

Well ID:	T0607303021-W-18	Well Type:	MONITORING
Source:	EDF	Other Name:	W-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-18		

J71
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000006551**

Well ID:	T0607302280-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-10		

K72
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000069424**

Well ID:	T0607303021-W-17	Well Type:	MONITORING
Source:	EDF	Other Name:	W-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-17		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K73
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000099868**

Well ID:	T0607303021-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=MW-6		

K74
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000060825**

Well ID:	T0607303021-W-25	Well Type:	MONITORING
Source:	EDF	Other Name:	W-25
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-25&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-25		

K75
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000081592**

Well ID:	T0607303021-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=MW-4		

K76
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000106266**

Well ID:	T0607303021-W-19	Well Type:	MONITORING
Source:	EDF	Other Name:	W-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-19		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K77
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000030745**

Well ID:	T0607303021-W-15	Well Type:	MONITORING
Source:	EDF	Other Name:	W-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-15		

L78
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000052018**

Well ID:	T0607302280-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-3		

K79
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000087777**

Well ID:	T0607303021-W-12	Well Type:	MONITORING
Source:	EDF	Other Name:	W-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-12		

K80
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000064558**

Well ID:	T0607303021-W-14	Well Type:	MONITORING
Source:	EDF	Other Name:	W-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-14		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J81
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000065356**

Well ID:	T0607302280-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-8		

K82
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000038778**

Well ID:	T0607303021-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=MW-5		

K83
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000114839**

Well ID:	T0607303021-W-20	Well Type:	MONITORING
Source:	EDF	Other Name:	W-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-20		

K84
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000107258**

Well ID:	T0607303021-26	Well Type:	MONITORING
Source:	EDF	Other Name:	26
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=26&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=26		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K85
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000067998**

Well ID:	T0607303021-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=MW-3		

J86
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033499**

Well ID:	T0607302280-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-9		

K87
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000115246**

Well ID:	T0607303021-W-21	Well Type:	MONITORING
Source:	EDF	Other Name:	W-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-21		

K88
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000092105**

Well ID:	T0607303021-W-22	Well Type:	MONITORING
Source:	EDF	Other Name:	W-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-22		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K89
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000131478**

Well ID:	T0607303021-W-23	Well Type:	MONITORING
Source:	EDF	Other Name:	W-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-23		

K90
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000100627**

Well ID:	T0607303021-W-24	Well Type:	MONITORING
Source:	EDF	Other Name:	W-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=W-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=W-24		

L91
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000120551**

Well ID:	T0607302280-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302280&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302280&assigned_name=MW-18		

K92
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000115243**

Well ID:	T0607303021-27	Well Type:	MONITORING
Source:	EDF	Other Name:	27
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=27&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=27		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K93
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000084373**

Well ID:	T0607303021-28	Well Type:	MONITORING
Source:	EDF	Other Name:	28
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303021&assigned_name=28&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303021&assigned_name=28		

M94
SW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000023171**

Well ID:	15S01W27G001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W27G001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W27G001S&store_num=		
GeoTracker Data:	Not Reported		

M95
SW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000019673**

Well ID:	15S01W27G005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W27G005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W27G005S&store_num=		
GeoTracker Data:	Not Reported		

M96
SW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000014893**

Well ID:	15S01W27G007S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W27G007S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W27G007S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M97
SW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000026129**

Well ID:	15S01W27G006S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W27G006S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W27G006S&store_num=		
GeoTracker Data:	Not Reported		

98
West
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000003997**

Well ID:	15S01W22P001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W22P001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W22P001S&store_num=		
GeoTracker Data:	Not Reported		

99
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000012524**

Well ID:	15S01W14Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15S01W14Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15S01W14Q001S&store_num=		
GeoTracker Data:	Not Reported		

N100
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000060239**

Well ID:	T0607302618-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302618&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302618&assigned_name=MW-18		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

N101
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000014109**

Well ID:	T0607302618-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302618&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302618&assigned_name=MW-8		

N102
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000078820**

Well ID:	T0607302618-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302618&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302618&assigned_name=MW-12		

N103
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000104776**

Well ID:	T0607302618-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302618&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302618&assigned_name=MW-17		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92071	27	2

Federal EPA Radon Zone for SAN DIEGO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 92071

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

Â© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

10990 WOODSIDE AVE N
10990 WOODSIDE AVE N
SANTEE, CA 92071

Inquiry Number: 7126896.5
September 27, 2022

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by
infoUSA®
Copyright©2008
All Rights Reserved

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1986	☑	☐	Haines Criss-Cross Directory
1982	☑	☐	Haines Criss-Cross Directory
1979	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory
1971	☑	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

10990 WOODSIDE AVE N
SANTEE, CA 92071

Year	*CD Image*	*Source*
WOODSIDE AVE N		
2017	pg A1	EDR Digital Archive
2014	pg A2	EDR Digital Archive
2010	pg A3	EDR Digital Archive
2005	pg A4	EDR Digital Archive
2000	pg A5	EDR Digital Archive
1995	pg A6	EDR Digital Archive
1992	pg A7	EDR Digital Archive
1986	pg A10	Haines Criss-Cross Directory
1986	pg A8	Haines Criss-Cross Directory
1986	pg A9	Haines Criss-Cross Directory
1982	pg A11	Haines Criss-Cross Directory
1982	pg A12	Haines Criss-Cross Directory
1982	pg A13	Haines Criss-Cross Directory
1979	pg A14	Haines Criss-Cross Directory
1979	pg A15	Haines Criss-Cross Directory
1979	pg A16	Haines Criss-Cross Directory
1975	pg A17	Haines Criss-Cross Directory
1975	pg A18	Haines Criss-Cross Directory
1971	pg A19	Haines Criss-Cross Directory
1971	pg A20	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WOODSIDE AVE N 2017

10926	ALTS TOOL & MACHINE
10946	CREATION & EARTH HISTORY MUSEUM
	INSTITUTE FOR CREATION RESEARCH
10990	SANTEE DRIVE IN THEATRE
	SANTEE DRIVEIN SWAP MEET
11000	ALTECH MACHINING INC
11220	ADVANCED BUSINESS NETWORKS
	HVAC MEDIC
11222	BUXCON SHEET METAL INC
	LTD SHEET METAL INC
	SPECIALTY METALS
	SPECIALTY METALS FABRICATION
11316	DRAIN HELP COM
	FAR EAST SCOOTERS
	GIGGLES & SMILES CHILD CARE CENTER
	KSHRED
	PARADISE PEST SOLUTIONS
	SAN DIEGO GARAGE DOORS
	VERTICAL HORIZON SCAFFOLD
11366	SN MONTGOMERY LANDSCAPING
	TLR & SON HYDRAULIC & MACHINE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WOODSIDE AVE N 2014

10926	ALTS TOOL & MACHINE
10946	CREATION & EARTH HISTORY MUSEUM
	INSTITUTE FOR CREATION RESEARCH
10990	SANTEE DRIVE IN THEATRE
	SANTEE DRIVEIN SWAP MEET
10996	HOWARD TRAMPUS
11000	ALTECH MACHINING INC
11220	ADVANCED BUSINESS NETWORKS
11222	BUXCON SHEET METAL INC
	LTD SHEET METAL INC
	SPECIALTY METALS
11316	GIGGLES & SMILES CHILD CARE CENTER
	MANGO TECH USA
11350	WAYNE MILLERS MOBILE TIRE INC
11366	ROBS RV APPLIANCE REPAIR
	SN MONTGOMERY LANDSCAPING
	TLR & SON HYDRAULIC & MACHINE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WOODSIDE AVE N 2010

10926	ALTS TOOL & MACHINE
10946	INSTUTE CREATIVE RESEARCH
10990	SANTEE DRIVE IN THEATRE
	SANTEE SWAP MEET
10996	AUTO FAB
	C & H AUTO BODY & PAINT
11000	ALTECH MACHINING INC
11222	AZTEC SHEET METAL
	BUXCON SHEET METAL
	LTD SHEET METAL
	SPECIALTY METALS
11316	GIGGLES & SMILES CHILD CARE
	ROGERS BIOMEDICAL SO
	SJB CONSTRUCTION
	SUCHIL COMMUNICATIONS INC
11322	BLUE STAR STEEL INC
11350	CARSON TRAILER INC
11366	CURBSCAPE
	MANGO MOBILE RV SVC
	ROBS RV APPLIANCE REPAIR
	S M MONTGOMERY LANDSCAPE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WOODSIDE AVE N 2005

10946 THE INSTITUTE FOR CREATION RE
10990 SANTEE DRIVE IN THEATRE
10996 C & H AUTO BODY & PAINT
11000 ALTECH MACHINING INC
11222 AZTEC SHEET METAL INC
11316 GIGGLES & SMILES CHILD CARE CENTER L
LENCO ENGINE REBUILDING INC
LITTLE WORKSHOP THE
SAN DIEGO PUMP EXCHANGE
SIGN INNOVATIONS
STAR MANUFACTURING
11322 ALUMINUM CITY
BLUE STAR STEEL INC
11350 CARSON TRAILER INC
GARY L BORGER
MOTORHOME SPECIALIST
11366 EAGLE FENCE CO
SN MONTGOMERY LANDSCAPE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WOODSIDE AVE N 2000

10946 CREATION AND EARTH HISTORY MUSEUM
INSTITUTE FOR CREATION RESEARCH
10990 SANTEE DRIVE IN SWAP MEET
10996 C & H AUTO BODY & PAINT
11000 ALTECH MACHINING
11222 BUX INCORPORATED
11316 ACCENT WINDOW & DOOR
B B MACHINE
CEILING SAVERS
LEARNING ACADEMY
LITTLE WORKSHOP THE
S J B CONSTRUCTION
11322 ALUMINUM CITY
BLUE STAR STEEL INCORPORATED
GOLDSTEIN EQUIPMENT
11350 CARSON TRAILER INCORPORATED
11366 EAGLE FENCE COMPANY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WOODSIDE AVE N 1995

10946 INSTITUTE FOR CREATION RESRCH
10990 SANTEE DRIVE IN SWAP MEET
10996 AUTO FAB
C & H AUTO BODY & PAINT
OLES CABINETS
11220 L SEVEN N CO
11222 WEST COAST SHEET METAL INC
11316 SJB CONSTRUCTION
11322 BLUE STAR STEEL INC
11350 BORGER, GARY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WOODSIDE AVE N 1992

10946	INST CREATN RESRCH
10990	LOPEZ RAFAEL
	LOPEZ, RAFAEL
	SANTEE DRV IN SWAP
10996	AUTO FAB
	C&H AUTO BODY&PAINT
	OLES CABINETS
11000	ALTECH MACHINING
11222	WEST CST SHEET METL
11316	B B MACHINE
	S J B CONSTRUCTION
	TWIN PALMS LNDSCP
11322	BLUE STAR STEEL
	NATL PROFILING INC
11350	FRANKS R V&APL RPR
	JIMS RV MNTNC SHPPE
11370	SOCAL MACHINE INC
11418	MARDEN SUSCO
11424	HYLTON ERNIE
	HYLTON, ERNIE
	INLAND KENWORTH INC
	TERRA TRLR&TRCK SLS
11446	PAC LIFT PARTS INC
	TOYOTA INDS EQP DLR
11448	RICKS MACHINE SHOP

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

WOODSIDE AVE N 1986

10763	BELVEDERE ENT	448-9585	4
	BELVEDERE LIQUOR	448-4575	1
	CENTURY 21 CASEY	562-2131	3
	CENTURY 21 CASEY	562-4282	*8
	HAIR DEN	449-9230	4
	SAN T DEVEP CORP	448-9490	5
10800	MISSION DEL MAGNLIA		
83	ADAIR ARTHUR J DR	448-7572	
80	AINSWORTH GENE	448-1048	
	ALBERT MARY E	562-D157	5
	ALDRICH P M	582-1341	4
49	ALLSBROOK DAVID JR	448-0586	
43	ARMSTRONG DORIS A	448-2576	
43	ARMSTRONG GERALD R	448-2576	
	BEDFORD ALBERTA	449-0855	8
238	BEDFORD ROLAND	449-0855	
	BELL PATRICIA	449-1182	
	BELL ROBT	449-1182	3
119	BENCH M R	448-3521	8
13	BENSON EMERY E	448-2062	
	BLUNT B I	562-4169	4
	BOULWARE R L	582-9033	3
25	BOWMAN ETHEL M	449-5939	
	BOWMAN HARRY M	449-6939	1
	BRADEN K R	449-2603	2
165	BREHM WM C	449-5537	
65	BRISKER JACK	448-0553	1
143	BROWN WALTER L	449-4082	7
	BURDICK E	448-7517	4
	BUSH BRUCE	258-0817	*8
	BUSH MARGARET	258-0817	*8
82	CAMPBELL LOWELL A	448-3367	7
	CARUSO WM	562-2599	5
	CHIDGEY DORIE	562-4324	5
	CHIDGEY RICH	562-4324	
	COMAN RICHARD D	448-4121	2
	CONRAD MARK	448-9808	3
231	COOPER HESTER R	562-2459	9

HAINES & CO INC INFORMATION ON THIS PAGE M

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

WOODSIDE AVE N 1986

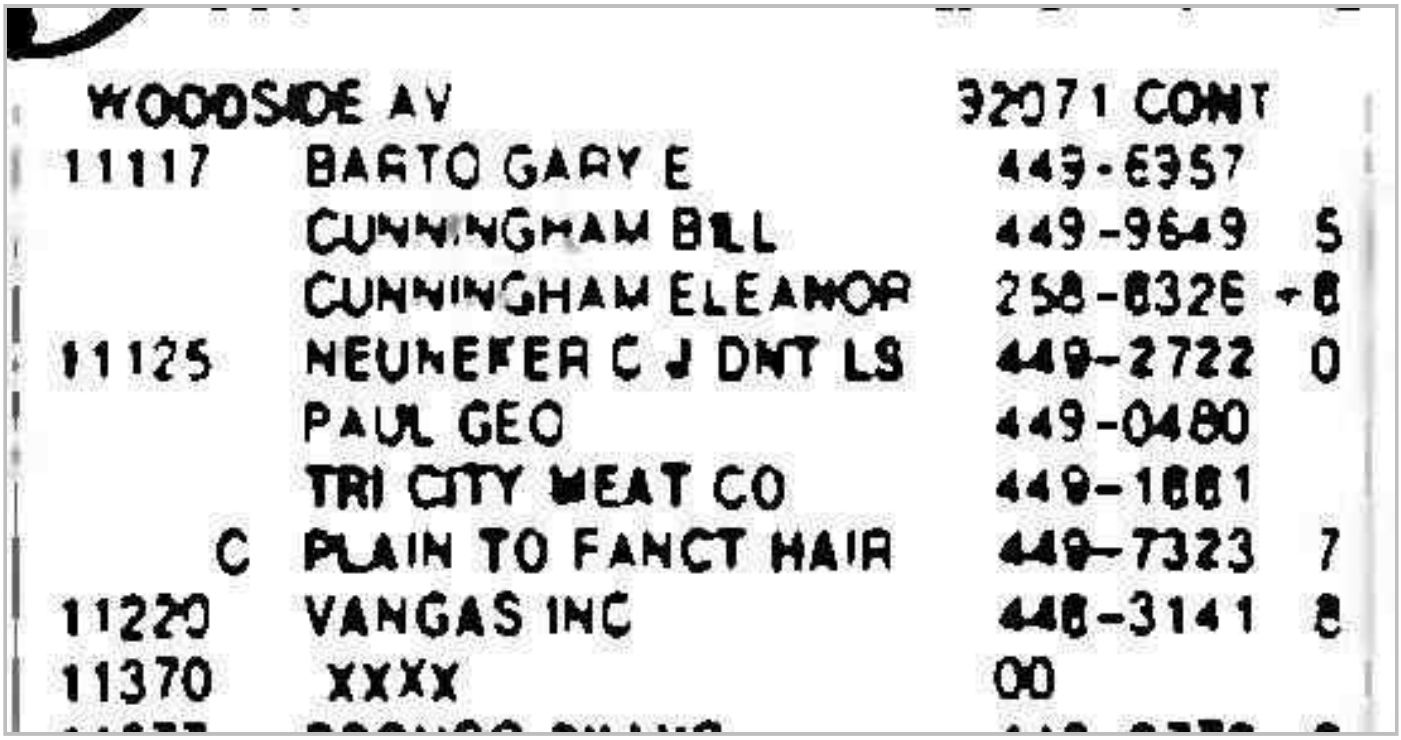
WOODSIDE AV 92071 CONT

CRAIG V J 562-3573 4
82 CULBERT WM 448-4349 7
CURNUTE J C 562-8569 3
CURNUTE JOANNE 562-8569
DALUPERIT D 562-0465 5
189 DART RADFORD 449-9319 0
DELGADO DOROTHY 449-2373
DENST J E 448-8391 5
187 ECCLES RAYMOND W 449-0713 7
ERKMAN G BRENT 449-8083 5
FALK BRAD 562-1870 1
FALK KERRY R 582-7473 3
FERRIER RANDALL 562-0908 5
FLOYD RICHARD 258-1367 5
FRANKS TERRY 448-1354 +8
FREE STEWARD 562-8457 5
FREIMARK D 562-0366 2
32 GESS BRIAN 562-2681 0
GIBBS S 448-1748 +8
GIESE DAVID 258-9532 +8
138 GILLSON RUSSELL E 448-9972
38 GONZALES E H 449-1138 7
GONZALEZ JESUS 449-8151 +8
182 GOWENS M L 448-7791 7
GRASSMICK JIM 258-8628 +8
50 GRINNELL EARL S 449-1868
GRINNELL MARILYN S 449-1868
GUARINO M J 449-0481 2
HALEY MATTHEW 448-7000 3
16 HALL WILDRED L 448-0851
HALLIN K 449-6697
HALLIN NANCY 582-5643
HALLIN S 449-6697 5
HALLIN STEPHEN 562-5643 4
6 HANS M A 448-8276 0
53 HANSEN H R 448-4089
HANSON RICH 562-1582 5
HARMON DANL 448-5537 +8
HARMON TAMMY 448-5537 +8
HARTLEBEN DONALD H 562-2703 4
HARTZ BELVA 582-6868 1
HAWKINS WILLIAM J 449-8365 4
HAWLEY BOOBY 562-2934 5
5 HENRY ROYAL H 449-3790 7
HILL THOS 562-5157 0
HOLAWAY E F 562-5279 3
8 HOWE JAS M 448-5614
HOWE RONALD G 562-5724 4
11 HOWELL WILLIE R 449-7498
16 HUDSON JAS H JR 562-0729
14 HUTCHINS B E 449-1883
84 HUTCHINS EVELYN 448-0081
JACOBSON ELIZABETH 449-6138 1
232 JACOBSON HARRY 449-6138
JONES LEDERYL 562-7882 5
JONES SHEILA 562-7882
KERTSON KEVIN 562-0527 2
KOZELUH N 562-6523 2
LAFFERTY FARLEY 449-9489 +8
LAFFERTY KAREN 449-9489 +8
228 LANGFORD BONNIE B 449-1353
LEBLANCE B E 562-6842 +8
153 LINCOLN LEO B 448-8409 8
LOUDON GERALD E 562-7437 4
179 LOUNSBURY V J 449-9621 0
77 LOWE JOHN J 448-5184
112 LOWEN DONALD E 448-7306 7
193 LYNCH JAMES J 443-8498 9
MACKECHNIE ROCHELLE 562-9033 +8
130 MCBRIDE H M 449-4628
MCCULLOUGH MICHAEL 448-2380 +8
MCDANIEL C L 449-6087 +8
190 MCFARLAND JAS E 449-4666
184 MCINTOSH NELSON P 448-2883 8
MCNEIL FRED 449-6235
MCNEIL KIM 449-8235 5
MISSN DL MONLA MBL 449-1500 1
55 MITCHELL J T 448-0158 8
MITZEL DANIEL 562-4799 4
MOORE ROY S 562-0179 5
MORGAN SCOTT 562-6489 4
MULLER BOO 562-9817 3
192 MUNRO E 448-9844 9
106 NEAL MICHAEL E 582-1435
NEAL SUSANNE L 562-1435 8
NICODEMUS DENISE 448-2171 +8
NICODEMUS TOM 448-2171 +8
NIPPER HARVEY 562-1275 2
NOVOGINSKI EDWARD J 562-7797 4
41 ODEKIRK ERLE B 448-4580 9
OVERLAND PEGGY 449-2005 5
OWEN THOS 562-5281 1
PARCHEN GEO H 449-6717 5
127 PRICE PAUL STEVEN 448-2943 0
PRIOG MARK D 449-9204 3
RAY A A 562-6304 5
209 REID CARY L 562-0965 9
155 RIEDEL LOUISE 449-4532
RILEY TIM 258-1297 5
RISDON JAMES 258-8862 +8
229 ROTHNER VIVIAN 443-4583
175 RUIS AMBY 562-0573 1
SCHADT BILL 449-3953
SCHADT DEBBIE 449-3563 1
213 SCHILLER IRIS 562-1419 7
SCHMIDT DAVID 448-3523
SCHMIDT SANDRA 448-3523 4
81 SCHULZ RICHARD P 449-9316 8
51 SHAW JOS L 448-3583
SHUE JACQUELINE 562-9911 +8
110 SHULL VERNA 448-7550
SINGLAIR WM A 562-7906 +8
235 SMITH GENEVIEVE K 448-5897 9
SPECK LAVERN 448-7538 +8
STOWE J L 562-2397 +8
SULLIVAN BRIAN 449-0709 +8
SULLIVAN DINA 449-0709 +8
TEACHOUT H M 449-6381 +8
141 TOUCHETTE Y G 449-7997 9
TRAVEL TIMES THE 258-8687 +8
56 TRIMBLE GUY 449-0689
UBAVISH FRANCIS 562-8137 +8
69 VANCE G C 448-8083
VANDYKE ROOT W 449-8297 5
VANDORT MARK L 562-2631 +8
WARD L M 562-7598 2
WARNICK E J 443-3218 4
WEBB WINIFRED S 449-3948
WHITAKER RICH 448-7728 +8
63 WHITE B 449-2970 0
105 WHITE HERBERT J 449-1269 7
WILEY CHAS W 448-0479
WILEY HAZEL 448-0479 5
WILLIAMS FRED C 448-3864 5
WILLIAMSON DAVID A 562-7015 5
WITHAM BILL 562-0598
WITHAM MARY 562-0598 5
WOOD ERIC M 258-6844 +8
10800
10835 MINI STORAGE DEPOT 449-8255
PRESCOTT LOWRY 258-9648 +8
PRESCOTT MARGE 258-9548 +8
10645 NOELS HAY&GRAIN 449-5551
10687 PADRE DAM WTR RSRCS 448-3111
11007 XXXX 00
11025 LANE BETTY 562-3736 5
11027 XXXX 00
11038 GOLLADAY R E 448-2627 2
11045 DARDAR MUNDER 562-2276 9
FERNANDES SABAH 449-2491 9
11047 XXXX 00
11053 GLIDEWELL T C 562-8241 5
11057 IRVIN JOHN 258-8953 +8
RAYMOND EDGAR 448-6392 1
11053 MCENTARFFER ALEXA 562-9728 +8
11071 REES DAVID 449-6563 +8
11113 BRISTOL CAROL 449-2494 8

AY NOT BE KEYPUNCHED ENTERED INTO A COMPU

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

WOODSIDE AVE N 1986



WOODSIDE AV		32071 CONT	
11117	BARTO GARY E	449-6357	
	CUNNINGHAM BILL	449-9649	S
	CUNNINGHAM ELEANOR	258-8326	+8
11125	NEUNEFER C J DNT LS	449-2722	0
	PAUL GEO	449-0480	
	TRI CITY MEAT CO	449-1881	
C	PLAIN TO FANCT HAIR	449-7323	7
11220	VANGAS INC	448-3141	8
11370	XXXX	00	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

WOODSIDE AVE N 1982

10769	BELVEDERE LIQUOR	448-4575	1
	CORY CORRAL	562-3660	1
	SUNLIGHT ELECTRIC	582-0540	+2
10800	MISSION DEL MAGNLIA		
83	ADAIR ARTHUR J OR	448-7572	
83	ADAIR C E	562-2025	8
60	AINSWORTH GENE	448-1048	3
49	ALLSSROOK DAVID JR	448-0586	5
64	AMUNDSON BRADLEY	562-3807	0
	ANAYA ALFREOO	449-3681	+2
43	ARMSTRONG OORIS A	448-2576	
43	ARMSTRONG GERALD R	448-2576	
	ASCHARZADEH IRAJ	448-1639	+2
191	AUSTIN ROY Q	448-6863	8
78	BARROWS A M	562-2384	9
60	BAUERS RUSSELL J SR	448-4011	
238	BEDFORO ROLAND	449-0855	8
	BELOATE JERRY	449-3314	+2
119	BENCH M R	448-3521	8
13	BENSON EMERY E	448-2062	5
	BERTHOLET OIANE	562-2469	+2
103	BEVERIDGE RICHARO	448-9098	1
210	BOLLENBACH J	448-2923	
25	BOWMAN ETHEL M	449-5939	1

AY NOT BE KEYPUNCHED, ENTERED INTO A COMPUT

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

WOODSIDE AVE N 1982

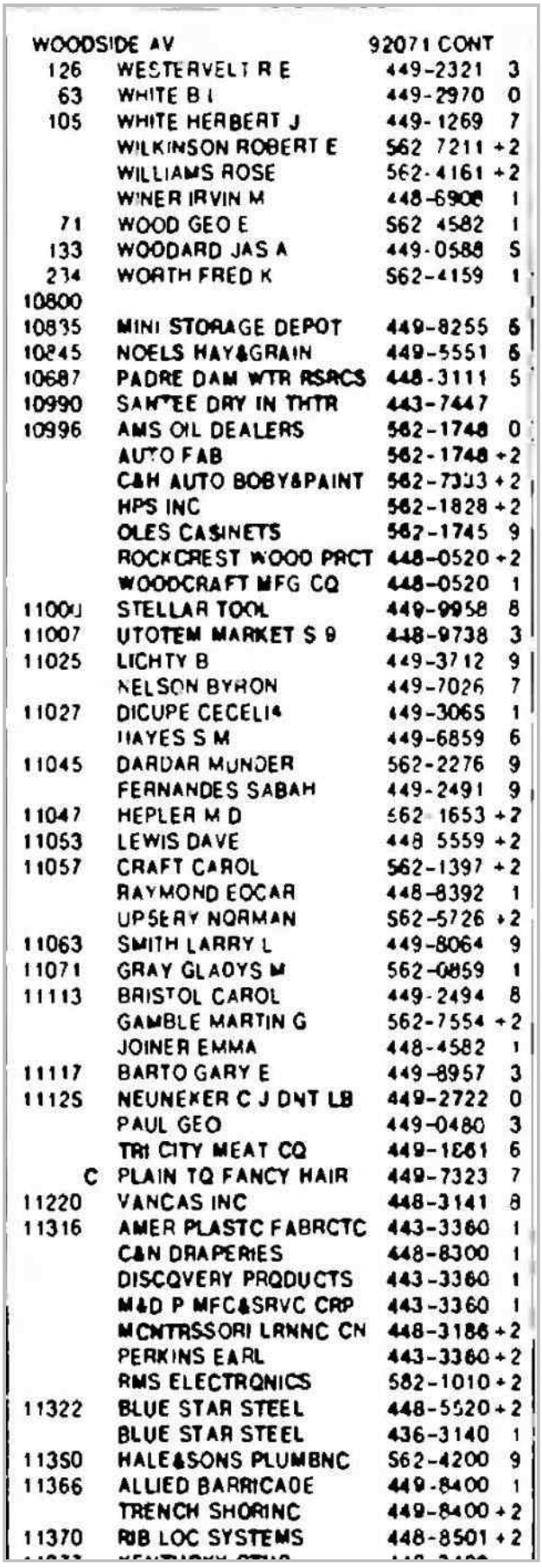
WOODSIDE AV 92071 CONT

25	BOWMAN HARRY M	449-7774	0
	BRADEN K R	449-2603	+2
165	BREHM WM C	449-5537	3
	BREMNER DARRELL	449-2125	+2
85	BRISKER JACK	448-0553	1
233	BROADHEAD J D	449-1436	9
183	BROWN WALTER L	449-4002	7
250	BUCKEL JAS E	567-5582	1
84	BURK FRANCES	449-9305	4
	BUSO BOB	449-0375	+2
82	CAMPBELL LOWELL A	448-5367	7
118	CAYWOOD TOM D	449-7399	0
221	CHRISTL DEBORAH	449-4380	1
	CLARKE ROBT	448-8418	1
134	CLEMENT ROBT	449-508	1
227	CLONTS RONALD D	567-5065	1
	COMAN RICHARD	448-4-2	+2
197	COLDWELL LUCILLE	449-9748	9
	COLLIES BRIAN N	448-2265	+2
122	CONSTABLE RAYMOND	562-4002	1
231	COOPER HESTER R	562-2439	9
39	COPE CHAS L	449-0454	
14	CRAIG V J CONST	448-2430	9
82	CULBERT WM	448-4349	7
	DAMICO CONNIE	448-6242	+2
	DANFORD RICHARD	562-2461	+2
137	DARROW T	449-8538	7
189	DART RADFORD	449-9318	0
181	DAVIS JOHN H JR	449-2431	4
	DELGADO DOROTHY	449-2373	
242	DURAND DONALD C	449-4398	9
187	ECCLES RAYMOND W	449-0713	7
	ESCOBOSA MARY T	562-0598	8
	FALK BRAD	562-1670	1
158	FILLIAN ROBT W	562-5333	1
27	FREE STEWARD	562-4649	1
	FREY MARK D	562-0086	+2
	GANS PETE	562-6743	+2
32	GESS BRIAN	567-2681	0
136	GILLSON RUSSELL E	448-9972	3
38	GONZALES E M	449-1138	7
138	GONZALEZ W	448-2630	9
22	GOOD HUGH C	449-3468	0
248	GOSLIN EARL G	448-7481	
162	GOWENS M L	448-7791	7
50	GRINNELL EARL S	449-1868	6
198	GROSS ROBT SR	448-8345	3
	GUARINO M J	449-0481	+2
219	HAEFNER FRANK	449-2759	0
16	HALL MILDRED L	448-0851	
6	HANS M A	448-8275	0
53	HANSEN H R	448-4089	
	HANSON RICHARD	448-1845	+2
109	HARGREAVES AUDREY	449-8515	7
	HARTZ BELVA	562-6869	1
202	HENDRICKS TOM S	449-0722	8
5	HENRY ROYAL H	449-3790	7
	HIBEN DANNY	448-6991	0
97	HIBBING B	448-7430	1
	HILL HOS	562-5157	0
8	HOWE JAS M	449-3614	3
1	HOWELL WILLIE R	449-7498	4
16	HUDSON JAS H JR	562-0729	6
14	HUTCHINS B E	449-1063	4
84	HUTCHINS EVELYN	449-0081	
232	JACOBSON HARRY	449-6138	1
	JOHNSON GREGG	562-3895	0
	JOHNSON JEFF	562-1789	+2
156	JOHNSTON E R MRS	448-9781	
	JOHNSTON ROGER	448-3718	+2
	KEKEMEH MICHAEL	448-5457	+2
	KELLER G B	562-0314	1
	KERTSON KEVIN	562-0622	+2
	KOZELUH MIKE	562-6523	+2
21	KRESSEL JOS W	449-3354	8
40	LAFAIR MARY L	449-7732	4
228	LANGFORD BONNIE B	449-1353	5
236	LANGFORD JIM	449-9171	9
	LAWTON GARY J	562-7505	+2
	LEUTHARD JEFFREY A	448-2864	0
163	LINCOLN LEO B	448-8409	8
179	LOUNSBURY V J	449-9821	0
77	LOWE JOHN J	448-5184	
112	LOWEN DONALD E	449-7306	7
31	LUCAS GERALD	562-1455	0
4	KIN ANTON J	448-829	9
193	LYNCH JAMES J	449-8498	9
36	MAYO DAVID	448-8638	7
130	MCBRIDE H W	449-4628	
35	MCCARTY EUGENE	449-2865	8
190	MCFARLAND JAS E	449-4666	
23	MCCLURE C A	562-6159	0
184	MCINTOSH NELSON P	448-2888	8
54	MCKEEVER H R	448-0772	
	MCNICHOLS C S	562-4628	+2
23	MCSPADDEN L T	562-5159	0
	MESSINA JOSEPH L	448-1E07	+2
172	MILLER PAUL N	567-1392	0
75	MISSION DEL MAGNOLIA	449-1500	1
66	MITCHELL J T	448-0128	8
	MOORE C	562-4169	0
	MOORE T J	448-9040	+2
	MOWER H E	443-6719	8
192	MUNRO E	448-9644	9
108	NEAL MICHAEL E	562-1435	8
230	NEWTON RICHARD	448-5066	9
	NIPPER HARVEY	562-1275	+2
41	ODEKIRK ELRE B	448-4550	9
111	OLIVER I E	449-6752	3
196	OLSON CARL W	449-2115	8
	OWEN THOS	567-9281	1
79	PETERSON D C	448-8028	
18	POWELL TOMMIE G	449-3692	
127	PRICE PAUL STEVEN	448-2943	0
	PULLEN ROPY C	562-3921	+2
	RAMOS LEE R	449-7632	+2
154	REED ALVIN J	449-1764	
209	REID GARY L	562-0985	9
	RICH WM	448-3255	1
91	RICHARDS LARRY	449-6562	8
179	RIDER DENIS	448-4362	9
155	RIEGEL LOUISE	449-4632	4
173	ROBINSON S F	562-2583	1
	ROBUTKA JOHN	562-2364	+2
57	ROSENBERGER R E	448-5389	0
	ROSS CURTIS L	449-8908	1
229	ROTHNER VIVIAN	449-4563	3
175	RUIS AMBY	567-0573	1
	SCHADT BILL	449-3963	1
213	SCHILLER IRIS	562-1419	7
81	SCHULZ RICHARD P	449-9318	8
51	SHAW JOS L	448-3583	6
174	SHOOK LILLIAN L	562-0961	8
110	SHULL VERNA	448-7550	3
101	SHUMWAY L S	449-8895	1
	SIGLER KENNETH	449-5832	+2
	SIMMONS H D	562-2124	+2
238	SMITH GENEVIEVE K	448-5897	9
92	SPIEGEL A B	448-0612	9
99	SPELLER CLIFTON A	449-4856	6
217	SPIRZ TALITHA C	448-5806	6
187	STEMMER JOSEPH C	562-1622	9
16	STERLING J M	449-6320	1
	TATUM LARRY	448-4453	+2
66	TERSAY EUGENE	448-0467	1
	TENA ERIC	562-8048	1
30	THIES D M	448-1286	5
100	TITONE MICHAEL	448-3650	
141	TOUCHETTE Y C	449-7997	9
66	TRIMBLE GUY	449-0689	
	TUNUAFU T	449-5570	1
246	VACURA C M	449-0025	5
69	VANCE G C	448-8063	
215	WALDRON BEULAH	562-0623	8
85	WARD JOS A	448-9270	5
	WARD L M	562-7598	+2
	WEBB WINIFRED S	449-3948	6

TER OR PHOTOCOPIED IN ANY MANNER WHATSOEV

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

WOODSIDE AVE N 1982

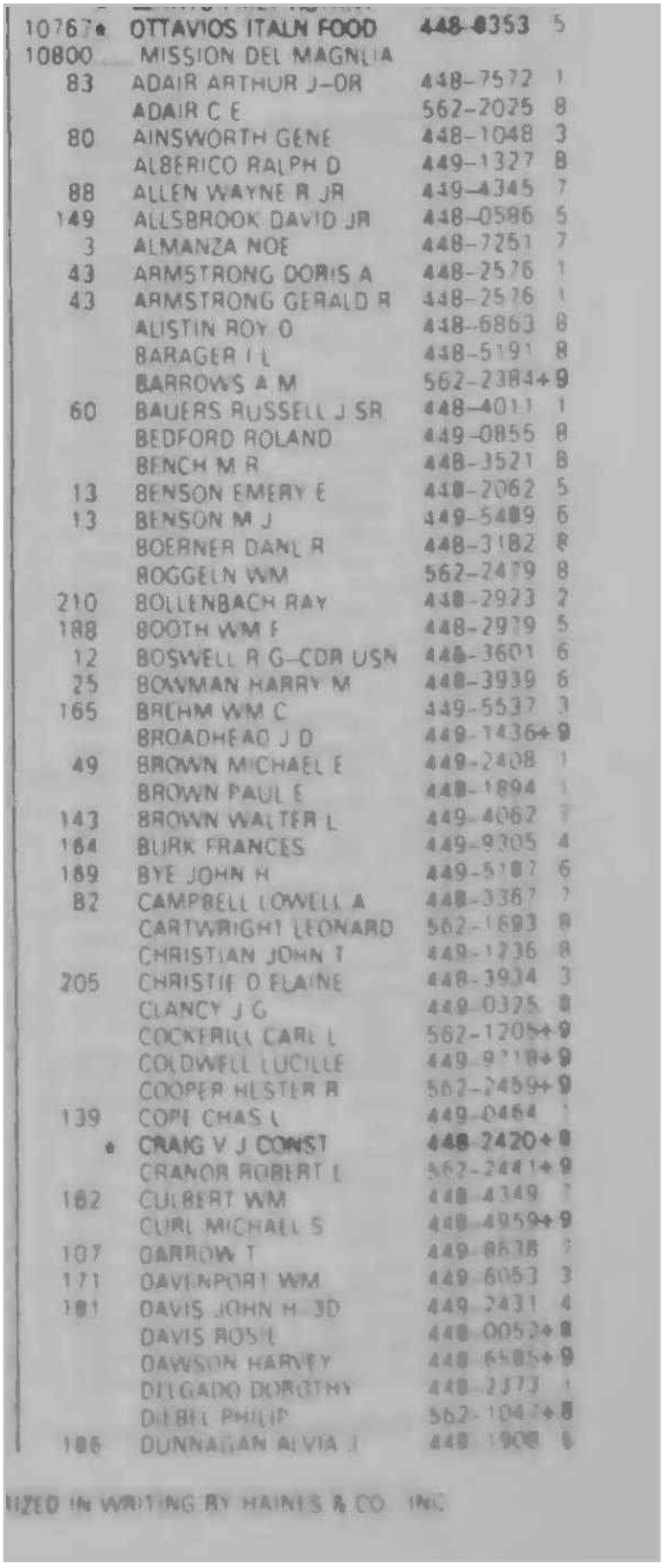


WOODSIDE AV 92071 CONT

126	WESTERVELT R E	449-2321	3
63	WHITE B I	449-2970	0
105	WHITE HERBERT J	449-1269	7
	WILKINSON ROBERT E	562 7211	+2
	WILLIAMS ROSE	562-4161	+2
	WINER IRVIN M	448-6908	1
71	WOOD GEO E	562 4582	1
133	WOODARD JAS A	449-0588	5
234	WORTH FRED K	562-4159	1
10800			
10835	MINI STORAGE DEPOT	449-8255	6
10845	NOELS HAY&GRAIN	449-5551	6
10687	PADRE DAM WTR RSRCS	448-3111	5
10990	SANTEE DRY IN THTR	443-7447	
10996	AMS OIL DEALERS	562-1748	0
	AUTO FAB	562-1748	+2
	C&H AUTO BODY&PAINT	562-7303	+2
	HPS INC	562-1828	+2
	OLES CABINETS	562-1745	9
	ROCKCREST WOOD PRCT	448-0520	+2
	WOODCRAFT MFG CO	448-0520	1
11000	STELLAR TOOL	449-9958	8
11007	UTOTEM MARKET S 9	448-9738	3
11025	LICHTY B	449-3712	9
	NELSON BYRON	449-7026	7
11027	DICUPE CECELIA	449-3065	1
	HAYES S M	449-6859	6
11045	DARDAR MUNDER	562-2276	9
	FERNANDES SABAH	449-2491	9
11047	HEPLER M D	562 1653	+2
11053	LEWIS DAVE	448 5559	+2
11057	CRAFT CAROL	562-1397	+2
	RAYMOND EOCAR	448-8392	1
	UPSERY NORMAN	562-5726	+2
11063	SMITH LARRY L	449-8064	9
11071	GRAY GLADYS M	562-0859	1
11113	BRISTOL CAROL	449-2494	8
	GAMBLE MARTIN G	562-7554	+2
	JOINER EMMA	448-4582	1
11117	BARTO GARY E	449-8957	3
11125	NEUNEKER C J DNT LB	449-2722	0
	PAUL GEO	449-0480	3
	TRI CITY MEAT CO	449-1061	6
C	PLAIN TO FANCY HAIR	449-7323	7
11220	VANCAS INC	448-3141	8
11316	AMER PLASTC FABRCTC	443-3360	1
	C&N DRAPERIES	448-8300	1
	DISCOVERY PRODUCTS	443-3360	1
	M&D P MFC&SRVC CRP	443-3360	1
	MONTESSORI LRNNG CN	448-3186	+2
	PERKINS EARL	443-3360	+2
	RMS ELECTRONICS	582-1010	+2
11322	BLUE STAR STEEL	448-5520	+2
	BLUE STAR STEEL	436-3140	1
11350	HALE&SONS PLUMBNG	562-4200	9
11366	ALLIED BARRICADE	449-8400	1
	TRENCH SHORING	449-8400	+2
11370	RIB LOC SYSTEMS	448-8501	+2

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

WOODSIDE AVE N 1979



10767	OTTAVIOS ITALN FOOD	448-8353	5
10800	MISSION DEL MAGNLIA		
83	ADAIR ARTHUR J-DR	448-7572	1
	ADAIR C E	562-2025	8
80	AINSWORTH GENE	448-1048	3
	ALBERICO RALPH D	449-1327	8
88	ALLEN WAYNE R JR	449-4345	7
149	ALLSBROOK DAVID JR	448-0596	5
3	ALMANZA NOE	448-7251	7
43	ARMSTRONG DORIS A	448-2576	1
43	ARMSTRONG GERALD R	448-2576	1
	AUSTIN ROY O	448-6863	8
	BARAGER I L	448-5191	8
	BARROWS A M	562-2384+	9
60	BAUERS RUSSELL J SR	448-4011	1
	BEDFORD ROLAND	449-0855	8
	BENCH M R	448-3521	8
13	BENSON EMERY E	448-2062	5
13	BENSON M J	449-5489	6
	BOERNER DANL R	448-3182	8
	BOGGELN WM	562-2479	8
210	BOLLENBACH RAY	448-2923	2
188	BOOTH WM F	448-2979	5
12	BOSWELL R G-CDR USN	448-3601	6
25	BOWMAN HARRY M	448-3939	6
165	BRUHM WM C	449-5537	3
	BROADHEAD J D	449-1436+	9
49	BROWN MICHAEL E	449-2408	1
	BROWN PAUL E	448-1894	1
143	BROWN WALTER L	449-4067	7
164	BURK FRANCES	449-9705	4
189	BYE JOHN H	449-5187	6
82	CAMPBELL LOWELL A	448-3367	7
	CARTWRIGHT LEONARD	562-1693	8
	CHRISTIAN JOHN T	449-1736	8
205	CHRISTIE O ELAINE	448-3934	3
	CLANCY J G	449-0375	8
	COCKERILL CARL L	562-1205+	9
	COLDWELL LUCILLE	449-9118+	9
	COOPER HESTER R	562-2459+	9
139	COPE CHAS L	449-0464	1
•	CRAIG V J CONST	448-2420+	8
	CRANOR ROBERT L	562-2441+	9
182	CULBERT WM	448-4349	7
	CURL MICHAEL S	448-4959+	9
107	DARROW T	449-8638	3
171	DAVENPORT WM	449-6053	3
181	DAVIS JOHN H JD	449-2431	4
	DAVIS ROSIE	448-0052+	8
	DAWSON HARVEY	448-6485+	9
	DELGADO DOROTHY	448-2373	1
	DUBEL PHILIP	562-1047+	8
186	DUNNAGAN ALVIA J	448-1908	6

LIZED IN WRITING BY HAINES & CO INC

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

WOODSIDE AVE N 1979

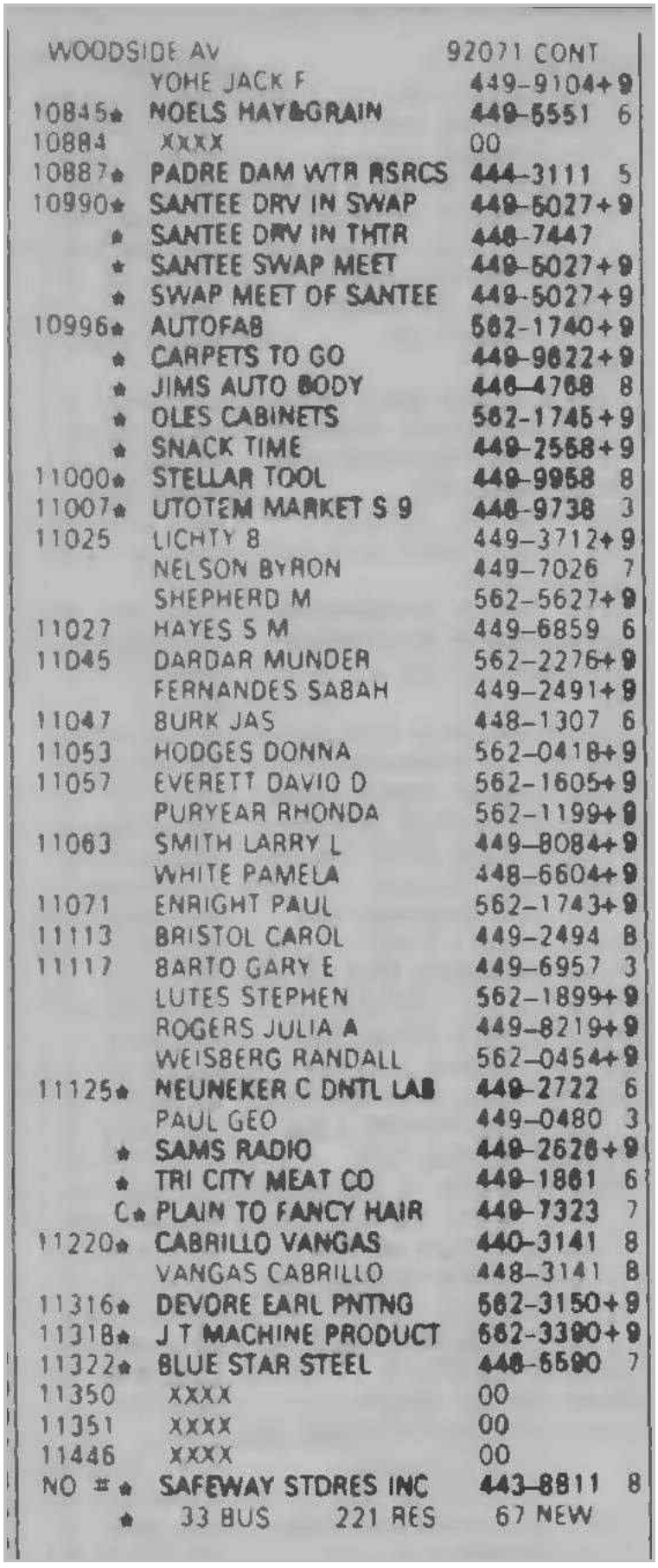
WOODSIDE AV — 97011 CONT

	DURAND DONALD C	449-4398+9
187	ECCLES RAYMOND W	449-0713
140	EMERICK ROBT	449-2069
	ESCOBOSA MARY	582-0586
	EVEN GLEN	448-4959+8
	FALK BRADEN M	581-1623+9
	FELIO MARK	582-3905+9
170	FOX R J	449-5144
	GARCIA GEO T	562-0573
126	GILLSON RUSSELL E	448-9872
139	GONZALES E H	449-1139
	GONZALEZ CAMILO	448-2830+9
248	GOSLIN EARL G	449-7181
152	GOWENS M L	448-7791
113	GRASMICK DARL N	449-7365
	GRASMICK RANDAL	562-0598
50	GRINNELL EARL S	449-7688
	GROSS KEITH	449-8285
198	GROSS ROBT SR	448-8345
97	GUIRE L E	449-2856
167	HALL MILDRED L	448-0851
53	HANSEN H R	448-4083
109	HARGREAVES AUDREY	449-8515
	HENDRICKS TOM S	449-0722
5	HENRY ROYAL H	449-3790
1	HIESTAND MARK	448-0451
21	HOKE P B	449-0746
241	HOLMAN CHAS D	448-9667
135	HOLTMAN STEPHEN W	449-3543
	HOOVER DENNIS A	448-9468
8	HOWE JAS M	449-5614
11	HOWELL WILLIE R	449-7458
118	HUDSON JAS H JR	562-0729
150	HULL NELSON J	448-8300
214	HUTCHINS B E	449-1843
84	HUTCHINS EVELYN	448-0081
	INMAN KEN	449-7765+9
127	JETT B L	448-8401
230	JOHNSTON EUGENE R	448-9261
	JONES JOHN B	449-8350
144	JONES LESLIE D	448-3317
38	JORDEN WM J	449-3272
	JOSE DAVID A	448-2586+9
	KEHN C K	449-4223+9
	KINNANEN LINDA	582-8196+9
218	KRAFT GEO M	562-0435
	KRESSEL JOS W	449-3354
240	LAFAIR MARY L	448-7792
228	LANGFORD BONNIE B	448-7353
	LANGFORD JIM	448-9771+9
	LINCOLN LEO R	448-8408
223	LISENBE JIMMIE A	448-7836
179	LOUNSBURY WM	449-9821
77	LOWE JOHN J	448-5184
112	LOWEN DONALD E	449-7308
250	LOWERY MELVIN	449-0842
	LUKIN ANTON J	448-8291+8
	LYNCH JAMES J	449-8498+9
	MARTIN STEVEN L	449-4180+9
	MASTERSON R D	449-8548
232	MAUNDER KENNETH H	449-6138
36	MAYO DAVID	448-8838
130	MCBRIDE H M	448-4628
	MCCARTY EUGENE	449-2865
190	MCFARLAND JAS E	449-4888
	MCINTOSH NELSON P	448-2888
54	MCKEEVER H R	448-0772
93	MILLER CELIA M	448-4875
93	MILLER DENNIS L	448-4875
72	MISHOE C J	449-0693
	MITCHELL J T	448-0168
	MOWER H E	449-8718
	MUNRO E	448-9644+9
	NEAL MICHAEL E	562-1435
	NEWTON RICHARD	448-5086+9
89	NILES JOHN J	449-0567
195	NIPPER HARVEY W SR	562-1375
41	ODEKIRK ELRE B	448-4580+9
111	OLIVER I E	448-8752
	OLSON CARL W	448-2115
194	OPPENHEIMER A D	449-6219
122	OSBORN JOANN-MRS	449-5687
64	OSLIE ROBT	449-1285
249	PARRISH JAS W	449-4253
	PEEK GALEN	448-2870+9
79	PETERSON D C	448-8028
	POWELL DONALD	449-5584+9
18	POWELL TOMMIE G	449-3592
	RAGSDELL J K	449-3470
154	REED ALVIN J	449-1784
209	REID GARY L	562-0969+9
	RICHARDS LARRY	448-8882
118	RICHARDSON RUTH E	449-7484
	RIDER DENIS	448-4782+9
155	RIEDEL LOUISE	449-4622
138	ROBBINS R W	448-8433
57	ROSENBERGER C B	448-5389
229	ROTHNER VIVIAN	449-4163
	RUBESH CLINT	449-8128+9
	SABINS SHERRY	449-4345
213	SCHILLER IRIS-MRS	562-1419
145	SCHMITT TERRY	448-4810
	SCHULZ RICHARD P	449-9318
68	SCOTT GERALD D	449-0145
168	SELLERS CLARENCE E	448-4853
51	SHAW JOS L	448-3183
	SHOOK LILLIAN L	582-0981
110	SHULL VERNA	448-7550
	SMITH GENEVIEVE K	448-5897+8
	SMITH JOHN	562-0873
	SMITH LAURA	562-0873
	SPEDEL A B	448-0812+9
88	SPELLER CLIFTON A	449-4866
	SPIRES E J	449-9883+9
217	SPIRZ TALITHA C	448-5808
	STEMMER JOSEPH C	562-1822+9
31	SWISHER ROSCA D-REV	448-0665
30	THIES D M	448-1288
220	THOMAS RAYMOND W	449-1106
100	TITONE MICHAEL	448-3680
	TOUCHETTE Y G	448-7897+9
78	TREANKLER LYLE	449-4137
58	TRIMBLE GUY	449-0669
20	TRUDEAU ROBT D	449-8727
248	VACUNA C M	449-9025
	VANSLOO PETER	448-8719+9
69	VANCE G C	448-8083
185	VOLI FRANK M	448-9548
	WALDRON BEULAH	562-0823
95	WARD JOS A	448-9270
125	WEATHERS ERNESTINE	448-1058
19	WEBB WINFIELD S	449-5948
87	WEISS SAM	448-4289
	WEST L W	449-0350+9
136	WESTERVELT R E	449-2321
105	WHITE HERBERT J	449-1269
93	WHITE MILES E	449-2910
9	WHITE PETE	448-2159
	WILLIAMS S L	448-5191
182	WILSON GERALD W	449-2643
103	WOODARD JAS A	449-0589
137	WRIGHT ALMA M	448-4869
188	WRIGHT EDWIN P	449-4868
10800		
10835a	MINI STORAGE DEPOT	449-8288

COPYRIGHT HAINES & CO., INC.

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

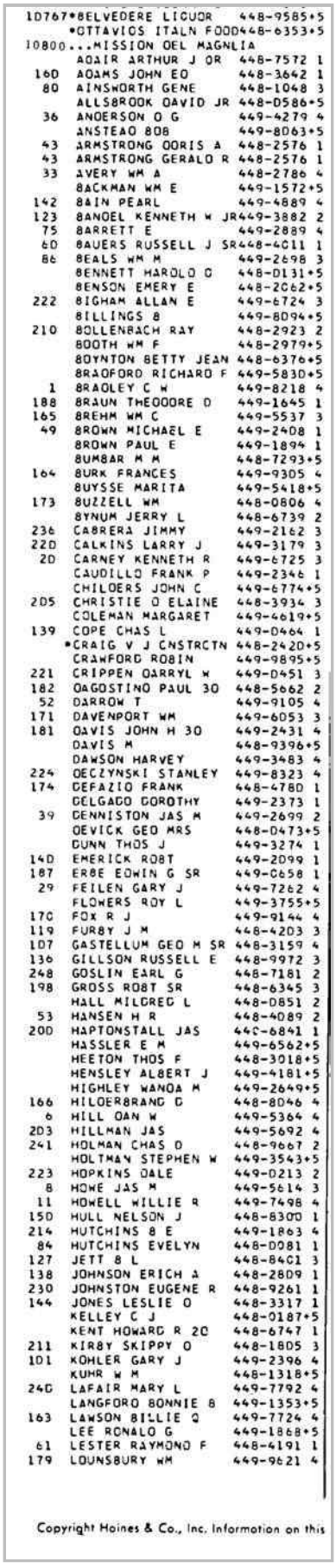
WOODSIDE AVE N 1979



WOODSIDE AV		92071 CONT	
	YOHE JACK F	449-9104+9	
10845★	NOELS HAY&GRAIN	448-5551	6
10884	XXXX	00	
10887★	PADRE DAM WTR RSRCS	444-3111	5
10990★	SANTEE DRV IN SWAP	449-5027+9	
★	SANTEE DRV IN THTR	448-7447	
★	SANTEE SWAP MEET	449-5027+9	
★	SWAP MEET OF SANTEE	449-5027+9	
10996★	AUTOFAB	562-1740+9	
★	CARPETS TO GO	449-9622+9	
★	JIMS AUTO BODY	448-4768	8
★	OLES CABINETS	562-1745+9	
★	SNACK TIME	449-2568+9	
11000★	STELLAR TOOL	449-9958	8
11007★	UTOTEM MARKET S 9	448-9738	3
11025	LICHTY B	449-3712+9	
	NELSON BYRON	449-7026	7
	SHEPHERD M	562-5627+9	
11027	HAYES S M	449-6859	6
11045	DARDAR MUNDER	562-2276+9	
	FERNANDES SABAH	449-2491+9	
11047	BURK JAS	448-1307	6
11053	HODGES DONNA	562-0418+9	
11057	EVERETT DAVID D	562-1605+9	
	PURYEAR RHONDA	562-1199+9	
11063	SMITH LARRY L	449-8084+9	
	WHITE PAMELA	448-6604+9	
11071	ENRIGHT PAUL	562-1743+9	
11113	BRISTOL CAROL	449-2494	8
11117	BARTO GARY E	449-6957	3
	LUTES STEPHEN	562-1899+9	
	ROGERS JULIA A	449-8219+9	
	WEISBERG RANDALL	562-0454+9	
11125★	NEUNEKER C DNTL LAB	448-2722	6
	PAUL GEO	449-0480	3
★	SAMS RADIO	448-2628+9	
★	TRI CITY MEAT CO	449-1861	6
C★	PLAIN TO FANCY HAIR	448-7323	7
11220★	CABRILLO VANGAS	440-3141	8
	VANGAS CABRILLO	448-3141	8
11316★	DEVORE EARL PNTNG	562-3150+9	
11318★	J T MACHINE PRODUCT	562-3380+9	
11322★	BLUE STAR STEEL	448-6580	7
11350	XXXX	00	
11351	XXXX	00	
11446	XXXX	00	
NO ≠★	SAFEWAY STORES INC	443-8811	8
★	33 BUS 221 RES	67 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

WOODSIDE AVE N 1975



```
10767*BELVEDERE LIQUOR      448-9585*5
     *OTTAVIOS ITALN FOOD   448-6353*5
10800...MISSION OEL MAGNLIA
      ADAIR ARTHUR J OR     448-7572 1
  160 ADAMS JOHN EO         448-3642 1
   80 AINSWORTH GENE        448-1048 3
      ALLSBROOK DAVID JR    448-D586*5
   36 ANDERSON O G          449-4279 4
      ANSTEAD BOB           449-8063*5
   43 ARMSTRONG DORIS A     448-2576 1
   43 ARMSTRONG GERALD R    448-2576 1
   33 AVERY WM A            448-2786 4
      BACKMAN WM E          449-1572*5
  142 BAIN PEARL            449-4889 4
  123 BANDEL KENNETH W JR   449-3882 2
   75 BARRETT E             449-2889 4
   60 BAUERS RUSSELL J SR   448-4C11 1
   86 BEALS WM M            449-2698 3
      BENNETT HAROLD D      448-D131*5
      BENSON EMERY E        448-2C62*5
  222 BIGHAM ALLAN E        449-6724 3
      BILLINGS B            449-8D94*5
  210 BOLLENBACH RAY        448-2923 2
      BOOTH WM F            448-2979*5
      BOYNTON BETTY JEAN    448-6376*5
      BRADFORD RICHARD F    449-583D*5
    1 BRADLEY C W           449-8218 4
  188 BRAUN THEODORE D      449-1645 1
  165 BREHM WM C            449-5537 3
   49 BROWN MICHAEL E       449-2408 1
      BROWN PAUL E          449-1894 1
      BUMBAR M M            448-7293*5
  164 BURK FRANCES          449-9305 4
      BUYSSE MARITA         449-5418*5
  173 BUZZELL WM            448-0806 4
      BYNUM JERRY L         448-6739 2
  236 CABRERA JIMMY         449-2162 3
  220 CALKINS LARRY J       449-3179 3
   20 CARNEY KENNETH R      449-6725 3
      CAUDILLO FRANK P      449-2346 1
      CHILDERS JOHN C       449-6774*5
  205 CHRISTIE O ELAINE     448-3934 3
      COLEMAN MARGARET      449-4619*5
  139 COPE CHAS L           449-0464 1
     *CRAIG V J CNSTRCTN    448-2420*5
      CRAWFORD ROBIN        449-9895*5
  221 CRIPPEN DARRYL W      449-D451 3
  182 DAGOSTINO PAUL JO     448-5662 2
   52 DARROW T              449-9105 4
  171 DAVENPORT WM          449-6053 3
  181 DAVIS JOHN H JO       449-2431 4
      DAVIS M               448-9396*5
      DAWSON HARVEY         449-3483 4
  224 DECZYNSKI STANLEY     449-8323 4
  174 DEFAZIO FRANK         448-478D 1
      DELGADO DOROTHY       449-2373 1
   39 DENNISTON JAS M       449-2699 2
      DEVICK GEO MRS        448-D473*5
      DUNN THOS J           449-3274 1
  140 EMERICK ROBT          449-2099 1
  187 ERBE EDWIN G SR       449-C658 1
   29 FEILEN GARY J         449-7262 4
      FLOWERS ROY L         449-3755*5
  170 FOX R J               449-9144 4
  119 FURBY J M             448-4203 3
  107 GASTELLUM GEO M SR    448-3159 4
  136 GILLSON RUSSELL E     448-9972 3
  248 GOSLIN EARL G         448-7181 2
  198 GROSS ROBT SR         448-6345 3
      HALL MILDRED L        448-D851 2
   53 HANSEN H R            448-4089 2
  200 HAPTONSTALL JAS       448-6841 1
      HASSLER E M           449-6562*5
      HEETON THOS F         448-3018*5
      HENSLEY ALBERT J      449-4181*5
      HIGHLEY WANDA M       449-2649*5
  166 HILDERBRAND D         448-8046 4
    6 HILL DAN W            449-5364 4
  203 HILLMAN JAS           449-5692 4
  241 HOLMAN CHAS D         448-9667 2
      HOLTMAN STEPHEN W     449-3543*5
  223 HOPKINS DALE          449-0213 2
    8 HOWE JAS M            449-5614 3
   11 HOWELL WILLIE R       449-7498 4
  150 HULL NELSON J         448-8300 1
  214 HUTCHINS B E          449-1863 4
   84 HUTCHINS EVELYN       448-D081 1
  127 JETT B L              448-8401 3
  138 JOHNSON ERICH A       448-2809 1
  230 JOHNSTON EUGENE R     448-9261 1
  144 JONES LESLIE O        448-3317 1
      KELLEY C J            448-0187*5
      KENT HOWARD R JO      448-6747 1
  211 KIRBY SKIPPY O        448-1805 3
  101 KOHLER GARY J         449-2396 4
      KUHR W M              448-1318*5
  240 LAFAIR MARY L         449-7792 4
      LANGFORD BONNIE B     449-1353*5
  163 LAWSON BILLIE Q       449-7724 4
      LEE RONALD G          449-1868*5
   61 LESTER RAYMOND F      448-4191 1
  179 LOUNSBURY WM          449-9621 4

Copyright Haines & Co., Inc. Information on this
```

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

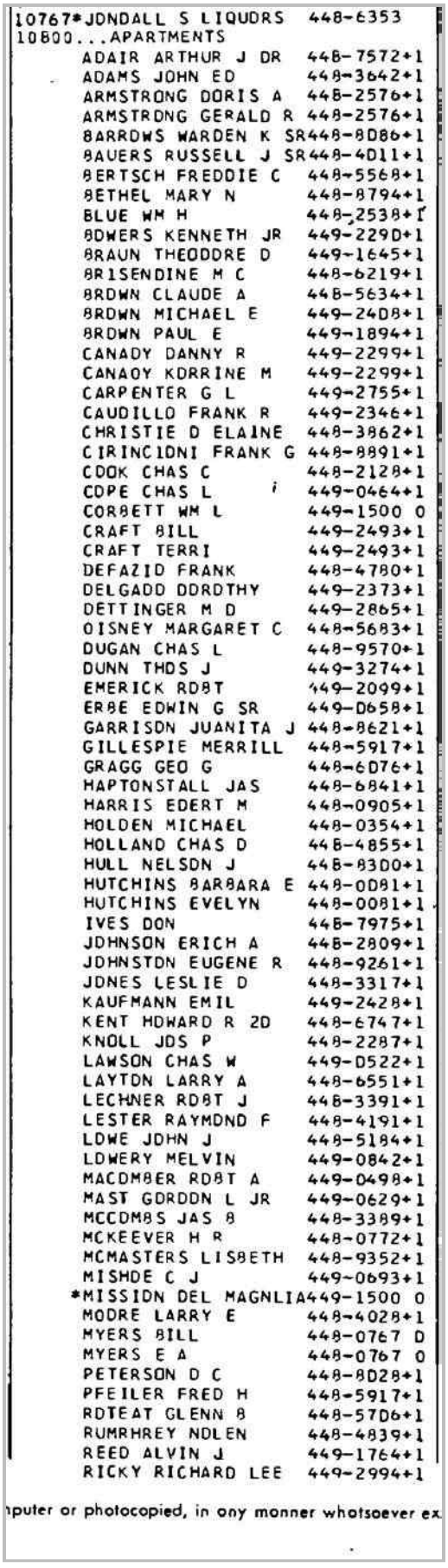
WOODSIDE AVE N 1975

..WOODSIDE AV 92C71 CONT..
59 LOWE GLORIA 449-1655 3
77 LOWE JOHN J 448-5184 1
250 LOWERY MELVIN 449-0842 1
5 MANOGIE ROBT H 449-0558 3
232 MAUNDER KENNETH H 449-6138 3
25 MAY EUGENE A 449-1703 2
55 MAYLONE RAYMOND E 449-9178 4
130 MCBRIDE H M 449-4628 2
152 MCCALE EUGENE V 449-9779 4
192 MCDOUGALL GERALD C 448-9691 3
190 MCFARLAND JAS E 449-4666 2
37 MCINTYRE JAS C 449-6331 3
54 MCKEEVER H R 448-0772 1
193 MCKILLIP GEO W 448-2680 2
90 MCMASTERS LISBETH 448-9352 1
MEYER ROBT J 448-6619+5
MILLER CELIA M 448-4975+5
MILLER DENNIS L 448-4975+5
213 MILLER SHERYL 449-7329 4
72 MISHOE C J 449-0693 1
*MISSION OEL MAGNLIA 449-1500 0
195 MORALES JOS M 448-0366 4
89 MOYER WM S 448-5306 4
MUMMA ROY A 449-9412+5
MUNGIE ROYAL D 449-5116+5
MURRAY LARRY D 448-7786+5
50 NUDSON LAWRENCE E 449-5496 3
92 NUTTALL A J 449-6789 4
111 OLIVER I E 449-6752 3
34 ONYON EVERETT C 448-8053 4
194 OPPENHEIMER A O 449-6219 3
122 OSBORN JOANN MRS 449-5687 3
249 PARRISH JAS W 449-4253 4
PESTA JOHN EDW 449-4047+5
79 PETERSON G C 448-8028 1
183 PFEILER E E 448-5917 4
PHILLIPS ETHEL E 448-9155 3
191 PICKERING J 448-9032 3
18 POWELL TOMMIE G 449-3692 2
154 REED ALVIN J 449-1764 1
RICHARDSON RUTH E 449-7484+5
155 RIEDEL LOUISE 449-4632 4
94 RINKER H 449-3519 2
134 ROBBINS R W 448-6433 3
ROBERTS O C 449-7341+5
57 ROSENBERGER C B 448-5369 1
229 ROTHNER VIVIAN 449-4563 3
230 ROTRAMEL RICHARD R 449-2905 3
RULAPAUGH JOHN 449-3018+5
233 SANGERS OTIS 449-2964 2
4 SASKA MICHAEL 448-7274 1
159 SCHMIOT CARL G 448-0438 2
105 SCHREPFER JOE G 449-8407 4
73 SCHULTZ M A 448-4752 3
SCHUMACHER INA 449-1495 2
SCOTT DON 448-2140+5
68 SCOTT GERALD G 449-0145 3
168 SELLERS CLARENCE E 448-4653 4
110 SHULL VERNA 448-7550 3
148 SMELSER GAYLE MRS 448-5275 3
SPIRES EDNA 449-4430+5
217 SPIRZ FRANKLIN 448-5806 3
65 SUMNER DEWEY R 448-1840 1
71 SWISHER ROLLA O REV 448-0665 1
TABOR A M 449-2613 1
THIES O M 448-1286+5
THOMAS CHRISTINE 448-1775+5
THOMPSON LARRY O 449-5018+5
TINKER EARLE V 448-3083+5
100 TITONE MICHAEL 448-3680 2
76 TREANKLER LYLE 449-4137 2
56 TRIMBLE GUY 449-0689 1
VACURA C M 449-9025+5
69 VANCE G C 448-8083 2
WARD JOS A 448-9270+5
WARREN PERRY R 448-1405+5
125 WEATHERS ERNESTINE 448-1059 3
WEISS SAM 448-6289+5
WELLS ROBT P 449-1071+5
126 WESTERVELT R E 449-2321 3
WILSON A 448-5486+5
WOODARD JAS A 449-0568+5
137 WRIGHT ALMA M 448-4869 3
YANAK ROBT 448-8640 3
10800.....
10835*HACKWORTH&OLSON 448-6872+5
10884 SIMPSON ROB L 448-6193+5
SIMPSON RONALD L 448-8184+5
10887*PADRE DAM WTR RSRCS 448-3111+5
*SANTEE CO WTR DIST 448-3111+5
10990*SANTEE DRV IN THTR 448-7447
*SANTEE SWAP MEET 449-0690 4
11000*SCH SALES CO 448-5232+5
11007*UTOTEM MKT STR 59 448-9738 3
11025 DEMPSEY MAYJEAN 449-9392+5
MCVICKER CAROLE 449-2308+5
11027 CLEVENGER J 449-6657+5
GILL DONALD F 449-3467+5
11045 MASTRONSKI JOHN T 449-5650 4
MCCURDY M 448-6934+5
11047 BADIANG FRANK A 448-2850+5
11053 PHILBROOK JOLEN 449-5629+5
PHILBROOK LENNY 449-5506 4
POWELL BONNIE 448-2720+5
11057 KELLER ARLENE L 448-9492+5
WHITMIRE STEPHEN D 449-5730+5
11063 GRAY KAREN 449-2357+5
SQUIRE TONI 449-8677+5
11071 XXXX 00
11113 WARREN JUDY P 449-3828+5
11117 BARTO GARY E 449-6957 3
STEWART ROSS A 449-6525+5
WATTS BARBARA J 448-7354+5
WATTS NEO E 448-7354+5
11125*BOYLE ROY A 448-3397+5
*BOYLE ULMER&ASSOCTS 448-3397+5
*HOMESTEADERS LIFE 448-3397+5
PAUL GEO 449-0480 3
C*GYPSY LADY BTY SLN 449-7323 4
11316 CHYLEWSKI A REV 448-4523
11350*BCB PLASTICS LTD 448-5925+5
11400*FREEWAY TRAILER CTR 449-8505 4
* 20 BUS 207 RES 81 NEW

page may not be key punched, entered into a comp

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

WOODSIDE AVE N 1971



```
10767*JONDALL S LIQUORS  448-6353
10800...APARTMENTS
       ADAIR ARTHUR J DR  448-7572+1
       ADAMS JOHN ED      448-3642+1
       ARMSTRONG DORIS A  448-2576+1
       ARMSTRONG GERALD R 448-2576+1
       BARROWS WARDEN K SR448-8086+1
       BAUERS RUSSELL J SR448-4011+1
       BERTSCH FREDDIE C  448-5568+1
       BETHEL MARY N      448-8794+1
       BLUE WM H          448-2538+1
       BOWERS KENNETH JR  449-2290+1
       BRAUN THEODORE D   449-1645+1
       BRISENDINE M C     448-6219+1
       BROWN CLAUDE A     448-5634+1
       BROWN MICHAEL E    449-2408+1
       BROWN PAUL E       449-1894+1
       CANADY DANNY R     449-2299+1
       CANADY KORRINE M   449-2299+1
       CARPENTER G L      449-2755+1
       CAUDILLO FRANK R   449-2346+1
       CHRISTIE D ELAINE  448-3862+1
       CIRINCIONI FRANK G 448-8891+1
       COOK CHAS C        448-2128+1
       COPE CHAS L        449-0464+1
       CORBETT WM L       449-1500 0
       CRAFT BILL         449-2493+1
       CRAFT TERRI        449-2493+1
       DEFAZIO FRANK      448-4780+1
       DELGADO DOROTHY    449-2373+1
       DETTINGER M D      449-2865+1
       DISNEY MARGARET C  448-5683+1
       DUGAN CHAS L       448-9570+1
       DUNN THOS J        449-3274+1
       EMERICK ROBT       449-2099+1
       ERBE EDWIN G SR    449-0658+1
       GARRISON JUANITA J 448-8621+1
       GILLESPIE MERRILL  448-5917+1
       GRAGG GEO G        448-6076+1
       HAPTONSTALL JAS    448-6841+1
       HARRIS EDERT M     448-0905+1
       HOLDEN MICHAEL     448-0354+1
       HOLLAND CHAS D     448-4855+1
       HULL NELSON J      448-8300+1
       HUTCHINS BARBARA E 448-0081+1
       HUTCHINS EVELYN    448-0081+1
       IVES DON           448-7975+1
       JOHNSON ERICH A    448-2809+1
       JOHNSTON EUGENE R  448-9261+1
       JONES LESLIE D     448-3317+1
       KAUFMANN EMIL      449-2428+1
       KENT HOWARD R 2D   448-6747+1
       KNOLL JOS P        448-2287+1
       LAWSON CHAS W      449-0522+1
       LAYTON LARRY A     448-6551+1
       LECHNER ROBT J     448-3391+1
       LESTER RAYMOND F   448-4191+1
       LOWE JOHN J        448-5184+1
       LOWERY MELVIN      449-0842+1
       MACOMBER ROBT A    449-0498+1
       MAST GORDON L JR   449-0629+1
       MCCOMBS JAS B      448-3389+1
       MCKEEVER H R       448-0772+1
       MCMASTERS LISBETH  448-9352+1
       MISHOE C J         449-0693+1
      *MISSION DEL MAGNLIA449-1500 0
       MOORE LARRY E      448-4028+1
       MYERS BILL         448-0767 0
       MYERS E A          448-0767 0
       PETERSON D C       448-8028+1
       PFEILER FRED H     448-5917+1
       ROTEAT GLENN B     448-5706+1
       RUMRHREY NOLEN     448-4839+1
       REED ALVIN J       449-1764+1
       RICKY RICHARD LEE  449-2994+1
```

puter or photocopied, in any manner whatsoever ex

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

WOODSIDE AVE N 1971

```
..WODOSIOE AV                92D71 CDNT..
       RDSENBERGER C B          448-5369+1
       ROSENWALD EDW C          449-1184+1
       RUTLEDGE C               448-3962+1
       SASKA MICHAEL            448-7274+1
       SERABIA KENNETH          449-0985+1
       SIMMDNS BARBARA J        449-2513+1
       SLDVER JOS H             448-473D+1
       STORIE ALLEN M           448-2873+1
       STDTTS R                 448-4976+1
       STRANGE EARL F           448-5171+1
       STRONG WAYNE             449-1839+1
       SUMNER DEWEY R           448-1840+1
       SUNDSTRDM PETER R        449-2591+1
       SUTTDN GUY E             448-6997+1
       SWISHER ROLLA D REV      448-D665+1
       TABDR A M                449-2613+1
       TERRY JOHN K             449-1618+1
       TINKER EARL V            448-3D83+1
       TRAMMELL HARVEY C        448-3386+1
       TRIMBLE GUY              449-D689+1
       WARREN RERRY R           448-14D5+1
       WEBB B                   448-84D1+1
       WEBER LERDY A            449-212D+1
       WEHKING JAS D            449-1372+1
       WEHKING LINDA A          449-1372+1
       WDDDARD JAS A            449-178D+1
       YAHNKE CARL R            449-2816+1
10884*DAIRYMENS LEAGUE          448-1215
       WALKER BEVAN M           448-7994
10990*SANTEE DRV IN THTR        448-7447
11ODD*VALLEY BDX CD             449-2882+1
11316 CHYLEWSKI A REV           448-4523
       PRDSE MARY R SISTER      449-1202+1
 ND # JDNDALL SANFORD           448-6352 0
      *  10 BUS  103 RES   99 NEW
```

10990 WOODSIDE AVE N
10990 WOODSIDE AVE N
SANTEE, CA 92071

Inquiry Number: 7126896.2s
September 22, 2022

EDR Summary Radius Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	822
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-14
Physical Setting Source Map Findings	A-16
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. **NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT.** Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2022 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

10990 WOODSIDE AVE N
SANTEE, CA 92071

COORDINATES

Latitude (North):	32.8481480 - 32ˆ 50' 53.33''
Longitude (West):	116.9593120 - 116ˆ 57' 33.52''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	503807.5
UTM Y (Meters):	3634263.0
Elevation:	356 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
10990 WOODSIDE AVE N
SANTEE, CA 92071

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	AUTOFAB	10996 WOODSIDE AVE N	RCRA NonGen / NLR	Higher	103, 0.020, SE
A2	C & H AUTO BODY & PA	10996 WOODSIDE AVE N	CERS HAZ WASTE, EMI, CERS, HWTS	Higher	103, 0.020, SE
B3	AM/PM PAINTING & FIN	9435 WHEATLANDS CT S	RCRA NonGen / NLR	Lower	112, 0.021, West
B4	SUSPENSION DEVELOPME	9435 WHEATLANDS CT	RCRA NonGen / NLR	Lower	112, 0.021, West
C5	CALIBER COLLISION CE	10910 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	159, 0.030, SW
C6	CALIBER COLLISION CE	10910 WHEATLANDS AVE	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	159, 0.030, SW
C7	OLSON IRRIGATION SYS	10910 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	159, 0.030, SW
C8	MIRAGE RACING PRODUC	10928 WHEATLANDS AV	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, NPDES,..	Higher	160, 0.030, SSW
C9	AGILE OFF ROAD	10928 WHEATLAND AVE	RCRA NonGen / NLR	Higher	160, 0.030, SSW
C10	YORK MANUFACTURING,	10928 WHEATLANDS AVE	RCRA-SQG	Higher	160, 0.030, SSW
D11	DS FIBERTECH CORPORA	11015 MISSON PARK PL	RCRA NonGen / NLR	Higher	170, 0.032, East
D12	WHITTAKER CORP	11015 MISSION PARK S	RCRA-SQG, FINDS, ECHO	Higher	170, 0.032, East
A13	C & H AUTO BODY	10996 NORTH WOODSIDE	RCRA-LQG	Higher	196, 0.037, SE
E14	COMPUTER INTEGRATED	10940 WHEATLANDS AVE	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CIWQS,..	Higher	200, 0.038, South
E15	COMPUTER INTEGRATED	10940 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	200, 0.038, South
C16	CCM ENT	10848 WHEATLANDS AVE	SWEEPS UST, WDS	Higher	200, 0.038, SW
C17	CALIFORNIA CRAFTED M	10848 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	200, 0.038, SW
C18	CALIFORNIA CRAFTED M	10848 WHEATLANDS AV	UST, San Diego Co. HMMD, ICIS, FTTS, HIST FTTS, US...	Higher	200, 0.038, SW
C19	ARW INC DBA ADVANCE	10911 WHEATLANDS DR	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Higher	228, 0.043, SSW
20	HANSON MACHINE	10969 WHEATLANDS AV	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	259, 0.049, SSE
A21	ALTECH MACHINING INC	11000 N WOODSIDE AVE	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	282, 0.053, ESE
22	SANTEE APARTMENTS	11071 WOODSIDE AVE #	RCRA NonGen / NLR	Higher	286, 0.054, SE
C23	L & S PRECISION CUTT	10925 WHEATLANDS AVE	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	291, 0.055, SSW
C24	VINCENT X-RAY COMPAN	10925 WHEATLANDS AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	291, 0.055, SSW
C25	L&S PRECISION CUTTER	10925 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	291, 0.055, SSW
C26	TOOL DEPOT	10925 WHEATLANDS AVE	RCRA-SQG	Higher	291, 0.055, SSW
F27	KETEMA PROCESS EQUIP	9484 MISSION PARK PL	ENVIROSTOR	Higher	306, 0.058, ENE
F28	WESTERN CONSTRUCTION	9484 MISSION PARK PL	CPS-SLIC, San Diego Co. HMMD, EMI, HAZNET, NPDES,...	Higher	306, 0.058, ENE
F29	AMETEK, INC SANTEE D	9484 MISSION PARK PL	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Higher	306, 0.058, ENE
F30	WESTERN CONSTRUCTION	9484 MISSION PARK PL	SAN DIEGO CO. SAM, San Diego Co. HMMD	Higher	306, 0.058, ENE
F31	BARE STEEL	9484 MISSION PARK PL	RCRA NonGen / NLR	Higher	306, 0.058, ENE
F32	AMETEK, INC SANTEE D	9484 MISSION PARK PL	RCRA-SQG, HAZNET, HWTS	Higher	306, 0.058, ENE
F33	BARE STEEL	9484 MISSION PARK PL	RCRA NonGen / NLR	Higher	306, 0.058, ENE
F34	BARE STEEL	9484 MISSION PARK PL	RCRA NonGen / NLR	Higher	306, 0.058, ENE
F35	BARE STEEL INC	9484 MISSION PARK PL	RCRA NonGen / NLR	Higher	306, 0.058, ENE
F36	9484 MISSION PARK PL	9484 MISSION PARK PL	CERS HAZ WASTE, HAZNET, NPDES, CIWQS, CERS, HWTS	Higher	306, 0.058, ENE
37	ALTECH MACHINING INC	11000 WOODSIDE AVE N	RCRA NonGen / NLR	Higher	323, 0.061, ESE
E38	CALSINO INC	10943 WHEATLANDS AVE	RCRA-SQG	Higher	333, 0.063, South
G39	JIMCO RACING INC	9426 WHEATLANDS CT	RCRA NonGen / NLR	Higher	347, 0.066, WSW

MAPPED SITES SUMMARY

Target Property Address:
10990 WOODSIDE AVE N
SANTEE, CA 92071

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	PHILIP THEARLE'S AUT	9426 WHEATLANDS COUR	RCRA-SQG, EMI	Higher	347, 0.066, WSW
G41	JIMCO RACING, INC	9426 WHEATLANDS CT	RCRA NonGen / NLR	Higher	347, 0.066, WSW
G42	JACK RANDALL S AUTOM	10845 WHEATLANDS STE	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Higher	361, 0.068, SW
G43	KIFER HYDRAULICS CO	9440 WHEATLANDS CT S	RCRA NonGen / NLR	Lower	414, 0.078, West
G44	FUTURE MACHINE	9440 WHEATLANDS CT #	San Diego Co. HMMD, CERS HAZ WASTE, NPDES, CIWQS,...	Lower	414, 0.078, West
H45	S&J BUILDERS & RESTO	10815 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	464, 0.088, SW
H46	ALUMI CRAFT INC	10815 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	464, 0.088, SW
H47	ALUMICRAFT LLC	10815 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	464, 0.088, SW
H48	ALUMICRAFT LLC	10815 WHEATLANDS AVE	San Diego Co. HMMD, CERS HAZ WASTE, NPDES, CERS,...	Higher	464, 0.088, SW
H49	ALUMICRAFT LLC	10815 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	464, 0.088, SW
H50	ALUMICRAFT LLC	10815 WHEATLANDS AVE	RCRA NonGen / NLR	Higher	464, 0.088, SW
I51	SANTEE COLLISION CEN	9356 WHEATLANDS RD	RCRA NonGen / NLR	Higher	507, 0.096, SSW
I52	SANTEE COLLISION CEN	9356 WHEATLANDS RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	507, 0.096, SSW
J53	CIRCLE K STORE #2959	11007 WOODSIDE AVE	RCRA-SQG, SAN DIEGO CO. SAM, CPS-SLIC, San Diego...	Higher	569, 0.108, SSE
J54	TOSCO MARKETING COMP	11007 WOODSIDE AVE	EDR Hist Auto	Higher	569, 0.108, SSE
J55	CIRCLE K #2959	11007 WOODSIDE AVE	UST, SWEEPS UST, SAN DIEGO CO LOP	Higher	569, 0.108, SSE
I56	SCANTIBODIES LABORAT	9343 WHEATLANDS RD	RCRA NonGen / NLR	Higher	640, 0.121, SSW
I57	CHULA VISTA ELECTRIC	9344 WHEATLANDS RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	675, 0.128, SSW
I58	CHULA VISTA ELECTRIC	9344 WHEATLANDS RD	RCRA NonGen / NLR	Higher	675, 0.128, SSW
H59	JIMCO RACING INC	9335 STEVENS RD	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	716, 0.136, SW
H60	JIMCO RACING INC	9335 STEVENS RD	RCRA NonGen / NLR	Higher	716, 0.136, SW
H61	R K BURNER SHEET MET	9335 STEVENS RD	San Diego Co. HMMD, HIST UST	Higher	716, 0.136, SW
H62	R.K. BURNER SHEET ME	9335 STEVENS RD	San Diego Co. HMMD, HIST UST	Higher	716, 0.136, SW
H63	MASTERCRAFT MOTORSPO	9335 STEVENS RD	RCRA NonGen / NLR	Higher	716, 0.136, SW
K64	RAFI GORGES	11140 MEADOW TERRACE	RCRA NonGen / NLR	Higher	762, 0.144, ESE
65	JENNIFER JONES	9253 BLOOMDALE ST.	RCRA NonGen / NLR	Higher	876, 0.166, SE
L66	QUALITY CONTROLLED M	9429 ABRAHAM WAY	RCRA NonGen / NLR	Lower	896, 0.170, West
L67	QUALITY CONTROLLED M	9429 ABRAHAM WAY	RCRA-SQG, FINDS, ECHO	Lower	896, 0.170, West
L68	QUALITY CONTROLLED M	9429 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Lower	896, 0.170, West
M69	FETTERLEY OIL CO	9311 STEVENS ST	San Diego Co. HMMD, SWEEPS UST, NPDES	Higher	953, 0.180, SW
K70	JORGE CONTRERAS	11203 VIA MADONNA	RCRA NonGen / NLR	Higher	985, 0.187, ESE
N71	HYDRAULIC ELECTRIC C	9316 WHEATLANDS RD S	CERS HAZ WASTE, CERS	Higher	1012, 0.192, SSW
L72	STRATEDGE CORPORATIO	9424 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Lower	1027, 0.195, West
L73	STRATEDGE	9424 ABRAHAM WAY	RCRA-SQG	Lower	1027, 0.195, West
L74	AYMAR INDUSTRIES, LL	9434 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, NPDES, CIWQS,...	Lower	1028, 0.195, West
L75	AYMAR ENGINEERING	9434 ABRAHAM WAY	RCRA NonGen / NLR	Lower	1028, 0.195, West
O76	CALIFORNIA CRAFTED M	9366 ABRAHAM WAY	RCRA NonGen / NLR	Lower	1040, 0.197, WSW
O77	CALIFORNIA CRAFTED M	9366 ABRAHAM WAY	RCRA NonGen / NLR	Lower	1040, 0.197, WSW
O78	SAN DIEGO DESIGN INC	9366 ABRAHAM WY	RCRA-SQG, San Diego Co. HMMD, FINDS	Lower	1040, 0.197, WSW

MAPPED SITES SUMMARY

Target Property Address:
10990 WOODSIDE AVE N
SANTEE, CA 92071

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
M79	ASHLYNN MARKETING GR	10870 HARTLEY RD #B	RCRA NonGen / NLR	Higher	1044, 0.198, SW
M80	ASHLYNN MARKETING GR	10870 HARTLEY RD	RCRA NonGen / NLR	Higher	1044, 0.198, SW
M81	ASHLYNN MARKETING GR	10870 HARTLEY RD STE	RCRA NonGen / NLR	Higher	1044, 0.198, SW
O82	ACCURATE AIR ENGINEE	9356 ABRAHAM WAY	RCRA NonGen / NLR	Higher	1085, 0.205, WSW
O83	JERAMES TOOL AND MFG	9356 ABRAHAM WAY	RCRA-SQG, San Diego Co. HMMD, FINDS, ECHO	Higher	1085, 0.205, WSW
O84	JERAMES TOOL & MFG	9356 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	1085, 0.205, WSW
O85	STREET TRENZ INC	9356 ABRAHAM WAY	RCRA NonGen / NLR	Higher	1085, 0.205, WSW
N86	MATHY MACHINE, INC.	9315 WHEATLANDS RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS, HWTS	Higher	1094, 0.207, SSW
N87	MATHY MACHINE INC	9315 WHEATLANDS, #B	RCRA NonGen / NLR	Higher	1094, 0.207, SSW
L88	SOUTHBAY FOUNDRY, IN	9444 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Lower	1094, 0.207, West
L89	SOUTH BAY FOUNDRY	9444 ABRAHAM WAY	RCRA NonGen / NLR	Lower	1094, 0.207, West
L90	SOUTH BAY FOUNDRY IN	9444 ABRAHAM WAY	RCRA NonGen / NLR	Lower	1094, 0.207, West
P91	EASTWOOD MACHINE, LL	9346 ABRAHAM WAY	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	1132, 0.214, WSW
P92	EASTWOOD MACHINE LLC	9346 ABRAHAM WAY	RCRA NonGen / NLR	Higher	1132, 0.214, WSW
Q93	DISCFLO CORP	10850 HARTLEY RD	RCRA NonGen / NLR	Higher	1132, 0.214, SW
Q94	DISCFLO CORPORATION	10850 HARTLEY RD A	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	1132, 0.214, SW
95	CHARLES HELMER	9247 VIA ANITA	RCRA NonGen / NLR	Higher	1142, 0.216, ESE
96	AMY SKINNER	9240 NORTHCOTE ROAD	RCRA NonGen / NLR	Higher	1159, 0.220, ESE
R97	VISION SYSTEMS INC	11322 WOODSIDE AVE N	RCRA-LQG	Higher	1161, 0.220, ENE
R98	VISION SYSTEMS	11322 WOODSIDE AVENU	CERS HAZ WASTE, NPDES, CIWQS, CERS	Higher	1161, 0.220, ENE
P99	A-I-M PLASTICS INC	9326 ABRAHAM WAY	RCRA NonGen / NLR	Higher	1188, 0.225, WSW
P100	ALTS TOOL AND MACHIN	9316 ABRAHAM WY	RCRA-SQG, San Diego Co. HMMD, FINDS, ECHO	Higher	1258, 0.238, SW
101	CARLOS MERCADO	9211 BLOOMDALE ST	RCRA NonGen / NLR	Higher	1297, 0.246, SE
102	SPECIALTY METALS FAB	11222 WOODSIDE AVE	RCRA NonGen / NLR	Higher	1303, 0.247, East
S103	DION & SONS, INC	11427 WOODSIDE AVE	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD, CERS...	Higher	2085, 0.395, ENE
S104	ANTHONY T. DITTY	11427 WOODSIDE AVE	LUST, CPS-SLIC, AST, Cortese, HIST CORTESE, SAN...	Higher	2085, 0.395, ENE
T105	SANTEE ARMY CAMP		ENVIROSTOR	Higher	3988, 0.755, SSW
T106	ARMY CAMP (SANTEE)		FUDS	Higher	3997, 0.757, SSW
U107	DAVE'S AUTO SERVICE	10438 MISSION GORGE	HIST Cal-Sites	Higher	4290, 0.812, SW
U108	DAVE'S AUTO SERVICE	10438 MISSION GORGE	RESPONSE, ENVIROSTOR, LIENS	Higher	4290, 0.812, SW
109	SANTANA HIGH SCHOOL	9915 MAGNOLIA AVENUE	ENVIROSTOR, SCH, CERS	Higher	4389, 0.831, NW
110	EDGEMORE HOSPITAL		Notify 65	Lower	4438, 0.841, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-LQG: A review of the RCRA-LQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C & H AUTO BODY EPA ID:: CAD981572860	10996 NORTH WOODSIDE	SE 0 - 1/8 (0.037 mi.)	A13	11
VISION SYSTEMS INC EPA ID:: CAR000268656	11322 WOODSIDE AVE N	ENE 1/8 - 1/4 (0.220 mi.)	R97	31

RCRA-SQG: A review of the RCRA-SQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 15 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YORK MANUFACTURING, EPA ID:: CAC002561381	10928 WHEATLANDS AVE	SSW 0 - 1/8 (0.030 mi.)	C10	11
WHITTAKER CORP EPA ID:: CAD981369630	***11015 MISSION PARK S***	***E 0 - 1/8 (0.032 mi.)***	***D12***	***11***
ARW INC DBA ADVANCE EPA ID:: CAR000016808	***10911 WHEATLANDS DR***	***SSW 0 - 1/8 (0.043 mi.)***	***C19***	***13***
TOOL DEPOT EPA ID:: CAR000185587	10925 WHEATLANDS AVE	SSW 0 - 1/8 (0.055 mi.)	C26	15
AMETEK, INC SANTEE D EPA ID:: CAL000189534	***9484 MISSION PARK PL***	***ENE 0 - 1/8 (0.058 mi.)***	***F29***	***16***
AMETEK, INC SANTEE D	***9484 MISSION PARK PL***	***ENE 0 - 1/8 (0.058 mi.)***	***F32***	***16***

EPA ID:: CAD981450232				
CALSINO INC EPA ID:: CAP000055343	10943 WHEATLANDS AVE	S 0 - 1/8 (0.063 mi.)	E38	18
PHILIP THEARLE'S AUT EPA ID:: CAD118586056	***9426 WHEATLANDS COUR***	***WSW 0 - 1/8 (0.066 mi.)***	***G40***	***18***
JACK RANDALL S AUTOM EPA ID:: CAD982516239	***10845 WHEATLANDS STE***	***SW 0 - 1/8 (0.068 mi.)***	***G42***	***19***
CIRCLE K STORE #2959 EPA ID:: CAD981681166	***11007 WOODSIDE AVE***	***SSE 0 - 1/8 (0.108 mi.)***	***J53***	***21***
JERAMES TOOL AND MFG EPA ID:: CAD020203139	***9356 ABRAHAM WAY***	***WSW 1/8 - 1/4 (0.205 mi.)***	***O83***	***28***
ALTS TOOL AND MACHIN EPA ID:: CA0000477877	***9316 ABRAHAM WY***	***SW 1/8 - 1/4 (0.238 mi.)***	***P100***	***31***

Lower Elevation	Address	Direction / Distance	Map ID	Page
QUALITY CONTROLLED M EPA ID:: CAD981396997	***9429 ABRAHAM WAY***	***W 1/8 - 1/4 (0.170 mi.)***	***L67***	***24***
STRATEDGE EPA ID:: CAR000285569	9424 ABRAHAM WAY	W 1/8 - 1/4 (0.195 mi.)	L73	26
SAN DIEGO DESIGN INC EPA ID:: CAD981384993	***9366 ABRAHAM WY***	***WSW 1/8 - 1/4 (0.197 mi.)***	***O78***	***27***

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAVE'S AUTO SERVICE Database: RESPONSE, Date of Government Version: 04/25/2022 Status: Certified Facility Id: 37750003	***10438 MISSION GORGE***	***SW 1/2 - 1 (0.812 mi.)***	***U108***	***34***

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: A review of the ENVIROSTOR list, as provided by EDR, and dated 04/25/2022 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KETEMA PROCESS EQUIP Facility Id: 71003382 Status: No Action Required	9484 MISSION PARK PL	ENE 0 - 1/8 (0.058 mi.)	F27	15
SANTEE ARMY CAMP		SSW 1/2 - 1 (0.755 mi.)	T105	33

Facility Id: 80000969
Status: Inactive - Needs Evaluation

DAVE'S AUTO SERVICE	***10438 MISSION GORGE***	***SW 1/2 - 1 (0.812 mi.)***	***U108***	***34***
Facility Id: 37750003 Status: Certified				
SANTANA HIGH SCHOOL	***9915 MAGNOLIA AVENUE***	***NW 1/2 - 1 (0.831 mi.)***	***109***	***34***
Facility Id: 60000859 Status: Inactive - Withdrawn				

Lists of state and tribal leaking storage tanks

LUST: A review of the LUST list, as provided by EDR, has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DION & SONS, INC	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S103***	***32***
Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Global Id: T0607303173				
ANTHONY T. DITTY	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S104***	***32***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Status: Remediation Plan Case Number: 9UT938				

SAN DIEGO CO. SAM: A review of the SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that there are 3 SAN DIEGO CO. SAM sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTERN CONSTRUCTION	***9484 MISSION PARK PL***	***ENE 0 - 1/8 (0.058 mi.)***	***F30***	***16***
Case Number: H02097-001 Facility Status: Closed Case				
CIRCLE K STORE #2959	***11007 WOODSIDE AVE***	***SSE 0 - 1/8 (0.108 mi.)***	***J53***	***21***
Case Number: H20836-001 Facility Status: Closed Case				
DION & SONS, INC	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S103***	***32***
Case Number: H19469-001 Case Number: H19469-002 Case Number: H19469-003 Case Number: H19469-004 Facility Status: Remedial Investigation Facility Status: Closed Case				

CPS-SLIC: A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 3 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTERN CONSTRUCTION	***9484 MISSION PARK PL***	***ENE 0 - 1/8 (0.058 mi.)***	***F28***	***15***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T0608164832 Facility Status: Completed - Case Closed				
CIRCLE K STORE #2959	***11007 WOODSIDE AVE***	***SSE 0 - 1/8 (0.108 mi.)***	***J53***	***21***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T0608102609 Facility Status: Completed - Case Closed				
ANTHONY T. DITTY	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S104***	***32***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T0608144417 Global Id: T0608182940 Global Id: T0608115165 Global Id: T10000004271 Facility Status: Completed - Case Closed Facility Status: Open - Site Assessment				

Lists of state and tribal registered storage tanks

UST: A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA CRAFTED M	***10848 WHEATLANDS AV***	***SW 0 - 1/8 (0.038 mi.)***	***C18***	***13***
Database: UST, Date of Government Version: 06/06/2022 Facility Id: H20835				
CIRCLE K #2959	***11007 WOODSIDE AVE***	***SSE 0 - 1/8 (0.108 mi.)***	***J55***	***22***
Database: UST, Date of Government Version: 06/06/2022 Facility Id: H20836				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAVE'S AUTO SERVICE	10438 MISSION GORGE	SW 1/2 - 1 (0.812 mi.)	U107	33

EXECUTIVE SUMMARY

CERS HAZ WASTE: A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/18/2022 has revealed that there are 23 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C & H AUTO BODY & PA	*10996 WOODSIDE AVE N*	*SE 0 - 1/8 (0.020 mi.)*	*A2*	*9*
CALIBER COLLISION CE	*10910 WHEATLANDS AVE*	*SW 0 - 1/8 (0.030 mi.)*	*C6*	*10*
MIRAGE RACING PRODUC	*10928 WHEATLANDS AV*	*SSW 0 - 1/8 (0.030 mi.)*	*C8*	*10*
COMPUTER INTEGRATED	*10940 WHEATLANDS AVE*	*S 0 - 1/8 (0.038 mi.)*	*E14*	*12*
HANSON MACHINE	*10969 WHEATLANDS AV*	*SSE 0 - 1/8 (0.049 mi.)*	*20*	*14*
ALTECH MACHINING INC	*11000 N WOODSIDE AVE*	*ESE 0 - 1/8 (0.053 mi.)*	*A21*	*14*
L & S PRECISION CUTT	*10925 WHEATLANDS AVE*	*SSW 0 - 1/8 (0.055 mi.)*	*C23*	*14*
9484 MISSION PARK PL	*9484 MISSION PARK PL*	*ENE 0 - 1/8 (0.058 mi.)*	*F36*	*17*
ALUMICRAFT LLC	*10815 WHEATLANDS AVE*	*SW 0 - 1/8 (0.088 mi.)*	*H48*	*20*
SANTEE COLLISION CEN	*9356 WHEATLANDS RD*	*SSW 0 - 1/8 (0.096 mi.)*	*I52*	*21*
CHULA VISTA ELECTRIC	*9344 WHEATLANDS RD*	*SSW 1/8 - 1/4 (0.128 mi.)*	*I57*	*22*
JIMCO RACING INC	*9335 STEVENS RD*	*SW 1/8 - 1/4 (0.136 mi.)*	*H59*	*23*
HYDRAULIC ELECTRIC C	*9316 WHEATLANDS RD S*	*SSW 1/8 - 1/4 (0.192 mi.)*	*N71*	*25*
JERAMES TOOL & MFG	*9356 ABRAHAM WAY*	*WSW 1/8 - 1/4 (0.205 mi.)*	*O84*	*28*
MATHY MACHINE, INC.	*9315 WHEATLANDS RD*	*SSW 1/8 - 1/4 (0.207 mi.)*	*N86*	*28*
EASTWOOD MACHINE, LL	*9346 ABRAHAM WAY*	*WSW 1/8 - 1/4 (0.214 mi.)*	*P91*	*29*
DISCFLO CORPORATION	*10850 HARTLEY RD A*	*SW 1/8 - 1/4 (0.214 mi.)*	*Q94*	*30*
VISION SYSTEMS	*11322 WOODSIDE AVENU*	*ENE 1/8 - 1/4 (0.220 mi.)*	*R98*	*31*

Lower Elevation	Address	Direction / Distance	Map ID	Page
FUTURE MACHINE	*9440 WHEATLANDS CT #*	*W 0 - 1/8 (0.078 mi.)*	*G44*	*19*
QUALITY CONTROLLED M	*9429 ABRAHAM WAY*	*W 1/8 - 1/4 (0.170 mi.)*	*L68*	*25*
STRATEDGE CORPORATIO	*9424 ABRAHAM WAY*	*W 1/8 - 1/4 (0.195 mi.)*	*L72*	*25*
AYMAR INDUSTRIES, LL	*9434 ABRAHAM WAY*	*W 1/8 - 1/4 (0.195 mi.)*	*L74*	*26*
SOUTHBAY FOUNDRY, IN	*9444 ABRAHAM WAY*	*W 1/8 - 1/4 (0.207 mi.)*	*L88*	*29*

Local Lists of Registered Storage Tanks

SWEEPS UST: A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CCM ENT Status: A Tank Status: A Comp Number: 20835	*10848 WHEATLANDS AVE*	*SW 0 - 1/8 (0.038 mi.)*	*C16*	*12*
CIRCLE K #2959 Status: A Tank Status: A Comp Number: 20836	*11007 WOODSIDE AVE*	*SSE 0 - 1/8 (0.108 mi.)*	*J55*	*22*
FETTERLEY OIL CO Comp Number: 6168	*9311 STEVENS ST*	*SW 1/8 - 1/4 (0.180 mi.)*	*M69*	*25*

HIST UST: A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE #2959 Facility Id: 00000013656	***11007 WOODSIDE AVE***	***SSE 0 - 1/8 (0.108 mi.)***	***J53***	***21***
R K BURNER SHEET MET	***9335 STEVENS RD***	***SW 1/8 - 1/4 (0.136 mi.)***	***H61***	***23***
R.K. BURNER SHEET ME Facility Id: 00000068882	***9335 STEVENS RD***	***SW 1/8 - 1/4 (0.136 mi.)***	***H62***	***23***

Other Ascertainable Records

RCRA NonGen / NLR: A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/20/2022 has revealed that there are 52 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUTOFAB EPA ID:: CAL000000371	10996 WOODSIDE AVE N	SE 0 - 1/8 (0.020 mi.)	A1	9
CALIBER COLLISION CE EPA ID:: CAL000463473	10910 WHEATLANDS AVE	SW 0 - 1/8 (0.030 mi.)	C5	9
OLSON IRRIGATION SYS EPA ID:: CAL000036718	10910 WHEATLANDS AVE	SW 0 - 1/8 (0.030 mi.)	C7	10
AGILE OFF ROAD EPA ID:: CAL000436462	10928 WHEATLAND AVE	SSW 0 - 1/8 (0.030 mi.)	C9	10
DS FIBERTECH CORPORA EPA ID:: CAL000370764	11015 MISSON PARK PL	E 0 - 1/8 (0.032 mi.)	D11	11
COMPUTER INTEGRATED EPA ID:: CAL000425494	10940 WHEATLANDS AVE	S 0 - 1/8 (0.038 mi.)	E15	12
CALIFORNIA CRAFTED M EPA ID:: CAL000363924	10848 WHEATLANDS AVE	SW 0 - 1/8 (0.038 mi.)	C17	12
SANTEE APARTMENTS EPA ID:: CAC003065370	11071 WOODSIDE AVE #	SE 0 - 1/8 (0.054 mi.)	22	14
VINCENT X-RAY COMPAN EPA ID:: CAD982368888	***10925 WHEATLANDS AVE***	***SSW 0 - 1/8 (0.055 mi.)***	***C24***	***14***
L&S PRECISION CUTTER EPA ID:: CAL000322962	10925 WHEATLANDS AVE	SSW 0 - 1/8 (0.055 mi.)	C25	15
BARE STEEL EPA ID:: CAC003164642	9484 MISSION PARK PL	ENE 0 - 1/8 (0.058 mi.)	F31	16
BARE STEEL EPA ID:: CAC003054786 EPA ID:: CAC003137149 EPA ID:: CAC003086411 EPA ID:: CAC003110108	9484 MISSION PARK PL	ENE 0 - 1/8 (0.058 mi.)	F33	17
BARE STEEL	9484 MISSION PARK PL	ENE 0 - 1/8 (0.058 mi.)	F34	17

EPA ID:: CAC003069330				
BARE STEEL INC EPA ID:: CAC003179086	9484 MISSION PARK PL	ENE 0 - 1/8 (0.058 mi.)	F35	17
ALTECH MACHINING INC EPA ID:: CAL000045408	11000 WOODSIDE AVE N	ESE 0 - 1/8 (0.061 mi.)	37	18
JIMCO RACING INC EPA ID:: CAL000436632	9426 WHEATLANDS CT	WSW 0 - 1/8 (0.066 mi.)	G39	18
JIMCO RACING, INC EPA ID:: CAC003058993	9426 WHEATLANDS CT	WSW 0 - 1/8 (0.066 mi.)	G41	18
S&J BUILDERS & RESTO EPA ID:: CAL000328326	10815 WHEATLANDS AVE	SW 0 - 1/8 (0.088 mi.)	H45	19
ALUMI CRAFT INC EPA ID:: CAL000313817	10815 WHEATLANDS AVE	SW 0 - 1/8 (0.088 mi.)	H46	20
ALUMICRAFT LLC EPA ID:: CAL000463276	10815 WHEATLANDS AVE	SW 0 - 1/8 (0.088 mi.)	H47	20
ALUMICRAFT LLC EPA ID:: CAL000463278	10815 WHEATLANDS AVE	SW 0 - 1/8 (0.088 mi.)	H49	20
ALUMICRAFT LLC EPA ID:: CAL000463277	10815 WHEATLANDS AVE	SW 0 - 1/8 (0.088 mi.)	H50	20
SANTEE COLLISION CEN EPA ID:: CAL000325001	9356 WHEATLANDS RD	SSW 0 - 1/8 (0.096 mi.)	I51	21
SCANTIBODIES LABORAT EPA ID:: CAL000325136	9343 WHEATLANDS RD	SSW 0 - 1/8 (0.121 mi.)	I56	22
CHULA VISTA ELECTRIC EPA ID:: CAL000398849	9344 WHEATLANDS RD	SSW 1/8 - 1/4 (0.128 mi.)	I58	22
JIMCO RACING INC EPA ID:: CAL000453201	9335 STEVENS RD	SW 1/8 - 1/4 (0.136 mi.)	H60	23
MASTERCRAFT MOTORSPO EPA ID:: CAL000405613	9335 STEVENS RD	SW 1/8 - 1/4 (0.136 mi.)	H63	23
RAFI GORGES EPA ID:: CAC003008755	11140 MEADOW TERRACE	ESE 1/8 - 1/4 (0.144 mi.)	K64	24
JENNIFER JONES EPA ID:: CAC003130545	9253 BLOOMDALE ST.	SE 1/8 - 1/4 (0.166 mi.)	65	24
JORGE CONTRERAS EPA ID:: CAC003180076	11203 VIA MADONNA	ESE 1/8 - 1/4 (0.187 mi.)	K70	25
ASHLYNN MARKETING GR EPA ID:: CAC003052571	10870 HARTLEY RD #B	SW 1/8 - 1/4 (0.198 mi.)	M79	27
ASHLYNN MARKETING GR EPA ID:: CAC003118281	10870 HARTLEY RD	SW 1/8 - 1/4 (0.198 mi.)	M80	27
ASHLYNN MARKETING GR EPA ID:: CAC003038393	10870 HARTLEY RD STE	SW 1/8 - 1/4 (0.198 mi.)	M81	27
ACCURATE AIR ENGINEE EPA ID:: CAL000359247	9356 ABRAHAM WAY	WSW 1/8 - 1/4 (0.205 mi.)	O82	27
STREET TRENZ INC EPA ID:: CAL000464248	9356 ABRAHAM WAY	WSW 1/8 - 1/4 (0.205 mi.)	O85	28
MATHY MACHINE INC	9315 WHEATLANDS, #B	SSW 1/8 - 1/4 (0.207 mi.)	N87	29

EPA ID:: CAD982028144				
EASTWOOD MACHINE LLC EPA ID:: CAL000400233	9346 ABRAHAM WAY	WSW 1/8 - 1/4 (0.214 mi.)	P92	30
DISCFLO CORP EPA ID:: CAL000287207	10850 HARTLEY RD	SW 1/8 - 1/4 (0.214 mi.)	Q93	30
CHARLES HELMER EPA ID:: CAC003067834	9247 VIA ANITA	ESE 1/8 - 1/4 (0.216 mi.)	95	30
AMY SKINNER EPA ID:: CAC003024825	9240 NORTHCOTE ROAD	ESE 1/8 - 1/4 (0.220 mi.)	96	30
A-I-M PLASTICS INC EPA ID:: CAL000205165	9326 ABRAHAM WAY	WSW 1/8 - 1/4 (0.225 mi.)	P99	31
CARLOS MERCADO EPA ID:: CAC003088865	9211 BLOOMDALE ST	SE 1/8 - 1/4 (0.246 mi.)	101	32
SPECIALTY METALS FAB EPA ID:: CAL000305980	11222 WOODSIDE AVE	E 1/8 - 1/4 (0.247 mi.)	102	32

Lower Elevation	Address	Direction / Distance	Map ID	Page
AM/PM PAINTING & FIN EPA ID:: CAL000324752	9435 WHEATLANDS CT S	W 0 - 1/8 (0.021 mi.)	B3	9
SUSPENSION DEVELOPME EPA ID:: CAC003035873	9435 WHEATLANDS CT	W 0 - 1/8 (0.021 mi.)	B4	9
KIFER HYDRAULICS CO EPA ID:: CAL000393149	9440 WHEATLANDS CT S	W 0 - 1/8 (0.078 mi.)	G43	19
QUALITY CONTROLLED M EPA ID:: CAL000332740	9429 ABRAHAM WAY	W 1/8 - 1/4 (0.170 mi.)	L66	24
AYMAR ENGINEERING EPA ID:: CAL000422384	9434 ABRAHAM WAY	W 1/8 - 1/4 (0.195 mi.)	L75	26
CALIFORNIA CRAFTED M EPA ID:: CAL000363925	9366 ABRAHAM WAY	WSW 1/8 - 1/4 (0.197 mi.)	O76	26
CALIFORNIA CRAFTED M EPA ID:: CAC003167212 EPA ID:: CAC003153628	9366 ABRAHAM WAY	WSW 1/8 - 1/4 (0.197 mi.)	O77	26
SOUTH BAY FOUNDRY EPA ID:: CAC002972916	9444 ABRAHAM WAY	W 1/8 - 1/4 (0.207 mi.)	L89	29
SOUTH BAY FOUNDRY IN EPA ID:: CAL000378761	9444 ABRAHAM WAY	W 1/8 - 1/4 (0.207 mi.)	L90	29

FUDS: A review of the FUDS list, as provided by EDR, and dated 05/11/2022 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARMY CAMP (SANTEE)		SSW 1/2 - 1 (0.757 mi.)	T106	33

EXECUTIVE SUMMARY

Cortese: A review of the Cortese list, as provided by EDR, and dated 06/21/2022 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANTHONY T. DITTY	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S104***	***32***
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANTHONY T. DITTY	***11427 WOODSIDE AVE***	***ENE 1/4 - 1/2 (0.395 mi.)***	***S104***	***32***
Reg Id: 9UT938				

Notify 65: A review of the Notify 65 list, as provided by EDR, and dated 06/10/2022 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EDGEMORE HOSPITAL		WSW 1/2 - 1 (0.841 mi.)	110	34

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

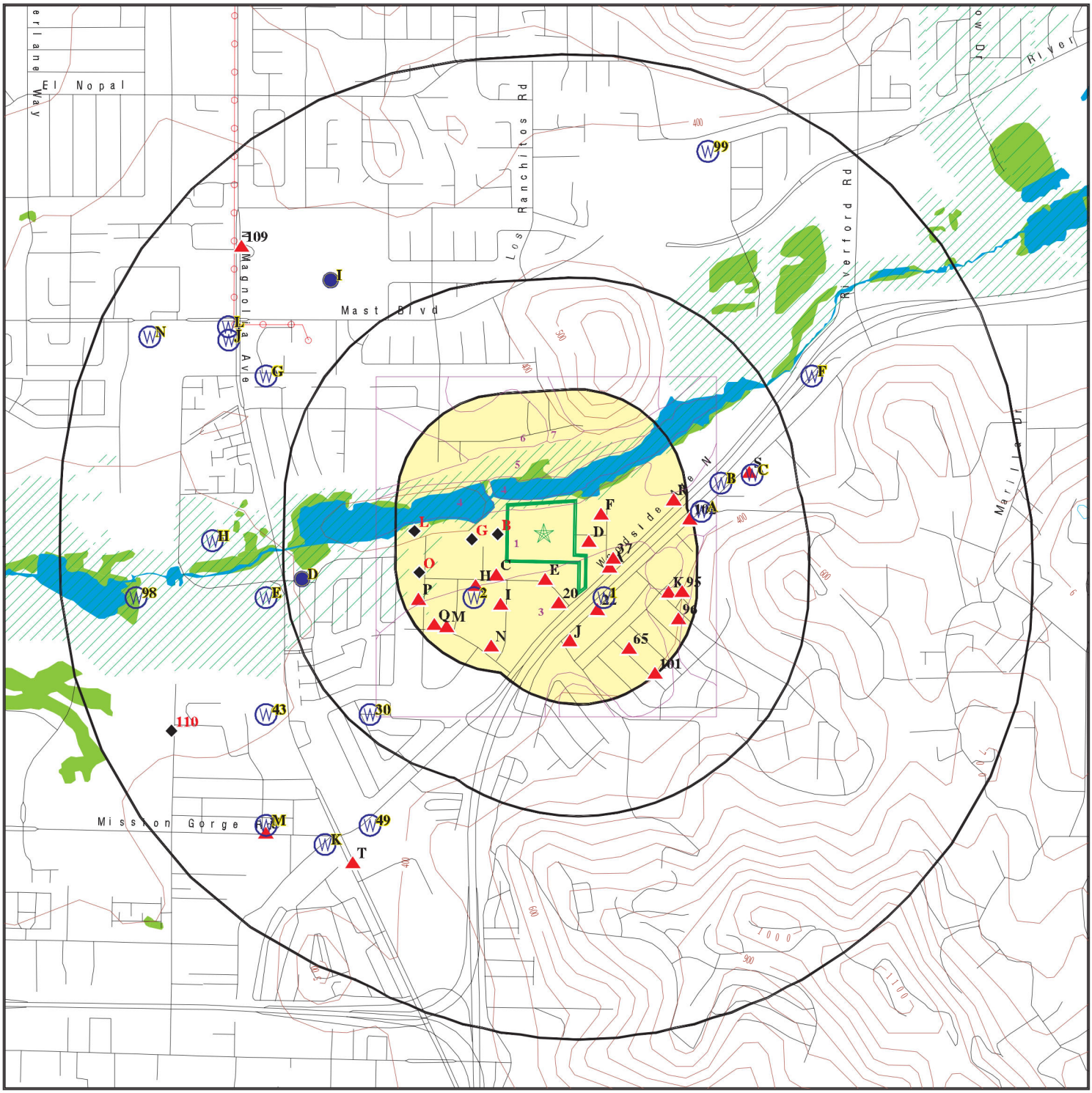
EDR Hist Auto: A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOSCO MARKETING COMP	11007 WOODSIDE AVE	SSE 0 - 1/8 (0.108 mi.)	J54	22

Count: 2 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LAKESIDE	S126984237	KEPHART DUMP	SAN DIEGO EUCALYPTUS LANDS	92040	SWF/LF
LAKESIDE	S105298892	ARCO FACILITY NO. 9760	WOODSIDE AV	92040	San Diego Co. HMMD

OVERVIEW MAP - 7126896.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 10990 WOODSIDE AVE N ADDRESS: 10990 WOODSIDE AVE N SANTEE CA 92071 LAT/LONG: 32.848148 / 116.959312	CLIENT: Hazard Management Consulting CONTACT: Troy Taylor INQUIRY #: 7126896.2s DATE: September 22, 2022 6:15 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 7126896.2S

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 10990 WOODSIDE AVE N ADDRESS: 10990 WOODSIDE AVE N SANTEE CA 92071 LAT/LONG: 32.848148 / 116.959312	CLIENT: Hazard Management Consulting CONTACT: Troy Taylor INQUIRY #: 7126896.2s DATE: September 22, 2022 6:16 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		1	1	NR	NR	NR	2
RCRA-SQG	0.250		10	5	NR	NR	NR	15
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	1	NR	1
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		1	0	0	3	NR	4
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	2	NR	NR	2
SAN DIEGO CO. SAM	0.500		2	0	1	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		2	0	1	NR	NR	3
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	0	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
San Diego Co. HMMD	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		11	12	NR	NR	NR	23
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	1	NR	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HIST UST	0.250		1	2	NR	NR	NR	3
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		27	25	NR	NR	NR	52
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	1	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
SAN DIEGO CO LOP	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	60	46	6	7	0	119

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
SE
< 1/8
0.020 mi.
103 ft.

Relative:
Higher

AUTOFAB
10996 WOODSIDE AVE N STE F
SANTEE, CA 92071

RCRA NonGen / NLR | **1025865557**
CAL000000371

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000000371

A2
SE
< 1/8
0.020 mi.
103 ft.

Relative:
Higher

C & H AUTO BODY & PAINT
10996 WOODSIDE AVE N STE A&B
SANTEE, CA 92071

CERS HAZ WASTE
EMI
CERS
HWTS

1006826408
N/A

Click here for full text details

EMI
Facility Id 5454

B3
West
< 1/8
0.021 mi.
112 ft.

Relative:
Lower

AM/PM PAINTING & FINISHING INC
9435 WHEATLANDS CT STE E
SANTEE, CA 92071

RCRA NonGen / NLR | **1026825569**
CAL000324752

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000324752

B4
West
< 1/8
0.021 mi.
112 ft.

Relative:
Lower

SUSPENSION DEVELOPMENT GROUP
9435 WHEATLANDS CT
SANTEE, CA 92071

RCRA NonGen / NLR | **1025855596**
CAC003035873

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003035873

C5
SW
< 1/8
0.030 mi.
159 ft.

Relative:
Higher

CALIBER COLLISION CENTERS
10910 WHEATLANDS AVE
SANTEE, CA 92071

RCRA NonGen / NLR | **1026828479**
CAL000463473

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000463473

C6
SW
< 1/8
0.030 mi.
159 ft.

Relative:
Higher

CALIBER COLLISION CENTER - SANTEE
10910 WHEATLANDS AVE
SANTEE, CA 92071

Database(s): San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS, HWTS

EDR ID Number: S104745416
EPA ID Number: N/A

Click here for full text details

San Diego Co. HMMD
Record ID DEH2002-HUPFP-102100

HAZNET
GEPAID CAL000463473

C7
SW
< 1/8
0.030 mi.
159 ft.

Relative:
Higher

OLSON IRRIGATION SYSTEMS
10910 WHEATLANDS AVE
SANTEE, CA 92071

Database(s): RCRA NonGen / NLR

EDR ID Number: 1024787740
EPA ID Number: CAL000036718

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000036718

C8
SSW
< 1/8
0.030 mi.
160 ft.

Relative:
Higher

MIRAGE RACING PRODUCTS
10928 WHEATLANDS AV #B
SANTEE, CA 92071

Database(s): San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, NPDES, CERS, HWTS

EDR ID Number: S112927628
EPA ID Number: N/A

Click here for full text details

San Diego Co. HMMD
Record ID DEH2006-HUPFP-207427

HAZNET
GEPAID CAC002561381

C9
SSW
< 1/8
0.030 mi.
160 ft.

Relative:
Higher

AGILE OFF ROAD
10928 WHEATLAND AVE STE B
SANTEE, CA 92071

Database(s): RCRA NonGen / NLR

EDR ID Number: 1024867863
EPA ID Number: CAL000436462

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000436462

C10
SSW
< 1/8
0.030 mi.
160 ft.

Relative:
Higher

YORK MANUFACTURING, INC
10928 WHEATLANDS AVE
SANTEE, CA 92071

RCRA-SQG **1008194355**
CAC002561381

Click here for full text details

RCRA-SQG
EPA Id CAC002561381

D11
East
< 1/8
0.032 mi.
170 ft.

Relative:
Higher

DS FIBERTECH CORPORATION
11015 MISSON PARK PL
SANTEE, CA 92071

RCRA NonGen / NLR **1024832579**
CAL000370764

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000370764

D12
East
< 1/8
0.032 mi.
170 ft.

Relative:
Higher

WHITTAKER CORP
11015 MISSION PARK ST
SANTEE, CA 92071

RCRA-SQG **1000421648**
FINDS **CAD981369630**
ECHO

Click here for full text details

RCRA-SQG
EPA Id CAD981369630

FINDS
Registry ID: 110002683301

ECHO
Registry ID 110002683301

A13
SE
< 1/8
0.037 mi.
196 ft.

Relative:
Higher

C & H AUTO BODY
10996 NORTH WOODSIDE
SANTEE, CA 92071

RCRA-LQG **1000116437**
CAD981572860

Click here for full text details

RCRA-LQG
EPA Id CAD981572860

E14
South
< 1/8
0.038 mi.
200 ft.

Relative:
Higher

COMPUTER INTEGRATED MACHINING, INC.
10940 WHEATLANDS AVE
SANTEE, CA 92071

Click here for full text details

San Diego Co. HMMD
Record ID DEH2017-HUPFP-003424

HAZNET
GEPAID CAL000425494

San Diego Co. HMMD
CERS HAZ WASTE
HAZNET
CIWQS
CERS
HWTS

S120714691
N/A

E15
South
< 1/8
0.038 mi.
200 ft.

Relative:
Higher

COMPUTER INTEGRATED MACHINING INC
10940 WHEATLANDS AVE
SANTEE, CA 92071

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000425494

RCRA NonGen / NLR

1024858884
CAL000425494

C16
SW
< 1/8
0.038 mi.
200 ft.

Relative:
Higher

CCM ENT
10848 WHEATLANDS AVE
SANTEE, CA 92071

Click here for full text details

SWEEPS UST
Status A
Tank Status A
Comp Number 20835

WDS
Facility Id 9 37I018540
Facility Status Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

SWEEPS UST
WDS

S106447282
N/A

C17
SW
< 1/8
0.038 mi.
200 ft.

Relative:
Higher

CALIFORNIA CRAFTED MARBLE, INC.
10848 WHEATLANDS AVE
SANTEE, CA 92071

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000363924

RCRA NonGen / NLR

1024829850
CAL000363924

C18
SW
< 1/8
0.038 mi.
200 ft.

Relative:
Higher

CALIFORNIA CRAFTED MARBLE (DBA CCM ENTERPRISES)
10848 WHEATLANDS AV
SANTEE, CA 92071

Click here for full text details

UST
San Diego Co. HMMD
ICIS
FTTS
HIST FTTS
US AIRS
FINDS

1006093808
N/A

UST
Facility Id H20835

ICIS
FRS ID: 110002413656

FTTS
Docket Number: EPCRA09-94-0001
Close Date: / /

HIST FTTS
Close Date: / /
Docket Number: EPCRA09-94-0001

US AIRS
EPA plant ID: 110020055544

FINDS
Registry ID: 110002413656

C19
SSW
< 1/8
0.043 mi.
228 ft.

Relative:
Higher

ARW INC DBA ADVANCE FINISHING
10911 WHEATLANDS DR
SANTEE, CA 92071

Click here for full text details

RCRA-SQG
FINDS
ECHO
HAZNET
HWTS

1001122842
CAR000016808

RCRA-SQG
EPA Id CAR000016808

FINDS
Registry ID: 110002915329

ECHO
Registry ID 110002915329

HAZNET
GEPAID CAR000016808

20
SSE
< 1/8
0.049 mi.
259 ft.

Relative:
Higher

HANSON MACHINE
10969 WHEATLANDS AV
SANTEE, CA 92071

San Diego Co. HMMD
CERS HAZ WASTE
CERS

S106064563
N/A

Click here for full text details

A21
ESE
< 1/8
0.053 mi.
282 ft.

Relative:
Higher

ALTECH MACHINING INC
11000 N WOODSIDE AVE
SANTEE, CA 92071

San Diego Co. HMMD
CERS HAZ WASTE
CERS

S104397379
N/A

Click here for full text details

San Diego Co. HMMD
Record ID DEH2002-HUPFP-102118

22
SE
< 1/8
0.054 mi.
286 ft.

Relative:
Higher

SANTEE APARTMENTS
11071 WOODSIDE AVE #1
SANTEE, CA 92071

RCRA NonGen / NLR

1026165352
CAC003065370

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003065370

C23
SSW
< 1/8
0.055 mi.
291 ft.

Relative:
Higher

L & S PRECISION CUTTER SERVICE
10925 WHEATLANDS AVE
SANTEE, CA 92071

San Diego Co. HMMD
CERS HAZ WASTE
CERS

S106063142
N/A

Click here for full text details

C24
SSW
< 1/8
0.055 mi.
291 ft.

Relative:
Higher

VINCENT X-RAY COMPANY
10925 WHEATLANDS AVE SUITE F
SANTEE, CA 92071

RCRA NonGen / NLR
FINDS
ECHO

1000168893
CAD982368888

Click here for full text details

RCRA NonGen / NLR
EPA Id CAD982368888

FINDS
Registry ID: 110002801709

ECHO
Registry ID 110002801709

C25
SSW
< 1/8
0.055 mi.
291 ft.

Relative:
Higher

L&S PRECISION CUTTER SERVICE
10925 WHEATLANDS AVE STE O
SANTEE, CA 92071

RCRA NonGen / NLR

1024817879
CAL000322962

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000322962

C26
SSW
< 1/8
0.055 mi.
291 ft.

Relative:
Higher

TOOL DEPOT
10925 WHEATLANDS AVE
SANTEE, CA 92071

RCRA-SQG

1010561999
CAR000185587

Click here for full text details

RCRA-SQG
EPA Id CAR000185587

F27
ENE
< 1/8
0.058 mi.
306 ft.

Relative:
Higher

KETEMA PROCESS EQUIPMENT CO., C/O BAKER PROCESS
9484 MISSION PARK PLACE
SANTEE, CA 92071

ENVIROSTOR

S118757455
N/A

Click here for full text details

ENVIROSTOR
Facility Id 71003382
Status No Action Required

F28
ENE
< 1/8
0.058 mi.
306 ft.

Relative:
Higher

WESTERN CONSTRUCTION COMPONENTS INC
9484 MISSION PARK PL
SANTEE, CA 92071

CPS-SLIC
San Diego Co. HMMD
EMI
HAZNET
NPDES
CIWQS
CERS
HWTS

S104745415
N/A

Click here for full text details

CPS-SLIC
Global Id T0608164832
Facility Status Completed - Case Closed

Click here to access the California GeoTracker records for this facility

EMI
Facility Id 5895

HAZNET
GEPAID CAL000405195

NPDES

WESTERN CONSTRUCTION COMPONENTS INC (Continued) **S104745415**

Facility Status Terminated

F29
ENE
< 1/8
0.058 mi.
306 ft.

Relative:
Higher

AMETEK, INC SANTEE DIV
9484 MISSION PARK PLACE
SANTEE, CA 92071

RCRA-SQG **1008194585**
FINDS **CAL000189534**
ECHO
HAZNET
HWTS

Click here for full text details

RCRA-SQG
EPA Id CAL000189534

FINDS
Registry ID: 110002711245

ECHO
Registry ID 110002711245

HAZNET
GEPAID CAL000189534

F30
ENE
< 1/8
0.058 mi.
306 ft.

Relative:
Higher

WESTERN CONSTRUCTION COMPONENT
9484 MISSION PARK PL
SANTEE, CA 92071

SAN DIEGO CO. SAM **S108407335**
San Diego Co. HMMD **N/A**

Click here for full text details

SAN DIEGO CO. SAM
Case Number H02097-001
Facility Status Closed Case

F31
ENE
< 1/8
0.058 mi.
306 ft.

Relative:
Higher

BARE STEEL
9484 MISSION PARK PL.
SANTEE, CA 92071

RCRA NonGen / NLR **1027200885**
CAC003164642

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003164642

F32
ENE
< 1/8
0.058 mi.
306 ft.

Relative:
Higher

AMETEK, INC SANTEE DIV
9484 MISSION PARK PLACE
SANTEE, CA 92071

RCRA-SQG **1000399882**
HAZNET **CAD981450232**
HWTS

Click here for full text details

RCRA-SQG
EPA Id CAD981450232

AMETEK, INC SANTEE DIV (Continued) **1000399882**

HAZNET
GEPAID CAD981450232

F33
ENE
< 1/8
0.058 mi.
306 ft.

Relative:
Higher

BARE STEEL **RCRA NonGen / NLR** **1026048180**
9484 MISSION PARK PLACE **CAC003054786**
SANTEE, CA 92071

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003054786
EPA Id CAC003137149
EPA Id CAC003086411
EPA Id CAC003110108

F34
ENE
< 1/8
0.058 mi.
306 ft.

Relative:
Higher

BARE STEEL **RCRA NonGen / NLR** **1026169282**
9484 MISSION PARK PL **CAC003069330**
SANTEE, CA 92071

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003069330

F35
ENE
< 1/8
0.058 mi.
306 ft.

Relative:
Higher

BARE STEEL INC **RCRA NonGen / NLR** **1027214439**
9484 MISSION PARK PL **CAC003179086**
SANTEE, CA 92154

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003179086

F36
ENE
< 1/8
0.058 mi.
306 ft.

Relative:
Higher

9484 MISSION PARK PLACE LLC **CERS HAZ WASTE** **S113155517**
9484 MISSION PARK PL **HAZNET** **N/A**
SANTEE, CA 92071 **NPDES**
CIWQS
CERS
HWTS

Click here for full text details

HAZNET
GEPAID CAL000341171

NPDES
Facility Status Active

37
ESE
< 1/8
0.061 mi.
323 ft.

Relative:
Higher

ALTECH MACHINING INC
11000 WOODSIDE AVE NORTH
SANTEE, CA 92071

RCRA NonGen / NLR **1024788371**
CAL000045408

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000045408

E38
South
< 1/8
0.063 mi.
333 ft.

Relative:
Higher

CALSINO INC
10943 WHEATLANDS AVE
SANTEE, CA 92071

RCRA-SQG **1025878930**
CAP000055343

Click here for full text details

RCRA-SQG
EPA Id CAP000055343

G39
WSW
< 1/8
0.066 mi.
347 ft.

Relative:
Higher

JIMCO RACING INC
9426 WHEATLANDS CT
SANTEE, CA 92071

RCRA NonGen / NLR **1024868030**
CAL000436632

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000436632

G40
WSW
< 1/8
0.066 mi.
347 ft.

Relative:
Higher

PHILIP THEARLE'S AUTOWERKS
9426 WHEATLANDS COURT, STE C
SANTEE, CA 92071

RCRA-SQG **1000286340**
EMI **CAD118586056**

Click here for full text details

RCRA-SQG
EPA Id CAD118586056

EMI
Facility Id 85218

G41
WSW
< 1/8
0.066 mi.
347 ft.

Relative:
Higher

JIMCO RACING, INC
9426 WHEATLANDS CT
SANTEE, CA 92071

RCRA NonGen / NLR **1026052101**
CAC003058993

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003058993

G42
SW
< 1/8
0.068 mi.
361 ft.

Relative:
Higher

JACK RANDALL S AUTOMOTIVE
10845 WHEATLANDS STE F
SANTEE, CA 92071

RCRA-SQG
FINDS
ECHO
HAZNET
HWTS

1000267072
CAD982516239

Click here for full text details

RCRA-SQG
EPA Id CAD982516239

FINDS
Registry ID: 110002838957

ECHO
Registry ID 110002838957

HAZNET
GEPAID CAD982516239

G43
West
< 1/8
0.078 mi.
414 ft.

Relative:
Lower

KIFER HYDRAULICS CO INC DBA HOSETECH
9440 WHEATLANDS CT STE 14
SANTEE, CA 92071

RCRA NonGen / NLR

1024842542
CAL000393149

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000393149

G44
West
< 1/8
0.078 mi.
414 ft.

Relative:
Lower

FUTURE MACHINE
9440 WHEATLANDS CT #2
SANTEE, CA 92071

San Diego Co. HMMD
CERS HAZ WASTE
NPDES
CIWQS
CERS

S121626196
N/A

Click here for full text details

San Diego Co. HMMD
Record ID DEH2002-HUPFP-113590

H45
SW
< 1/8
0.088 mi.
464 ft.

Relative:
Higher

S&J BUILDERS & RESTORATION SERVICES INC
10815 WHEATLANDS AVE STE J
SANTEE, CA 92071

RCRA NonGen / NLR

1024819143
CAL000328326

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000328326

H46
SW
< 1/8
0.088 mi.
464 ft.

Relative:
Higher

ALUMI CRAFT INC
10815 WHEATLANDS AVE STE I
SANTEE, CA 92071

RCRA NonGen / NLR | **1024815494**
CAL000313817

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000313817

H47
SW
< 1/8
0.088 mi.
464 ft.

Relative:
Higher

ALUMICRAFT LLC
10815 WHEATLANDS AVE STE I
SANTEE, CA 92071

RCRA NonGen / NLR | **1026828283**
CAL000463276

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000463276

H48
SW
< 1/8
0.088 mi.
464 ft.

Relative:
Higher

ALUMICRAFT LLC
10815 WHEATLANDS AVE STE I
SANTEE, CA 92071

San Diego Co. HMMD | **S106072170**
CERS HAZ WASTE | **N/A**
NPDES
CERS
HWTS

Click here for full text details

San Diego Co. HMMD
Record ID DEH2003-HUPFP-202231

H49
SW
< 1/8
0.088 mi.
464 ft.

Relative:
Higher

ALUMICRAFT LLC
10815 WHEATLANDS AVE STE I
SANTEE, CA 92071

RCRA NonGen / NLR | **1026828285**
CAL000463278

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000463278

H50
SW
< 1/8
0.088 mi.
464 ft.

Relative:
Higher

ALUMICRAFT LLC
10815 WHEATLANDS AVE STE I
SANTEE, CA 92071

RCRA NonGen / NLR | **1026828284**
CAL000463277

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000463277

I51
SSW
< 1/8
0.096 mi.
507 ft.

Relative:
Higher

SANTEE COLLISION CENTER
9356 WHEATLANDS RD
SANTEE, CA 92071

RCRA NonGen / NLR

1024818267
CAL000325001

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000325001

I52
SSW
< 1/8
0.096 mi.
507 ft.

Relative:
Higher

SANTEE COLLISION CENTER INC
9356 WHEATLANDS RD
SANTEE, CA 92071

San Diego Co. HMMD
CERS HAZ WASTE
CERS

S106063881
N/A

Click here for full text details

J53
SSE
< 1/8
0.108 mi.
569 ft.

Relative:
Higher

CIRCLE K STORE #2959
11007 WOODSIDE AVE
SANTEE, CA 92071

RCRA-SQG
SAN DIEGO CO. SAM
CPS-SLIC
San Diego Co. HMMD
HIST UST
FINDS
ECHO
CERS

1000174096
CAD981681166

Click here for full text details

RCRA-SQG
EPA Id CAD981681166

SAN DIEGO CO. SAM
Case Number H20836-001
Facility Status Closed Case

CPS-SLIC
Global Id T0608102609
Facility Status Completed - Case Closed

Click here to access the California GeoTracker records for this facility

HIST UST
Facility Id 00000013656

FINDS
Registry ID: 110002749811

ECHO
Registry ID 110002749811

J54
SSE
< 1/8
0.108 mi.
569 ft.

Relative:
Higher

TOSCO MARKETING COMPANY
11007 WOODSIDE AVE
SANTEE, CA 92071

EDR Hist Auto **1021283889**
N/A

Click here for full text details

J55
SSE
< 1/8
0.108 mi.
569 ft.

Relative:
Higher

CIRCLE K #2959
11007 WOODSIDE AVE
SANTEE, CA 92071

UST **U003939128**
SWEEPS UST **N/A**
SAN DIEGO CO LOP

Click here for full text details

UST
Facility Id H20836

SWEEPS UST
Status A
Tank Status A
Comp Number 20836

I56
SSW
< 1/8
0.121 mi.
640 ft.

Relative:
Higher

SCANTIBODIES LABORATORY INC
9343 WHEATLANDS RD
SANTEE, CA 92071

RCRA NonGen / NLR **1024818294**
CAL000325136

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000325136

I57
SSW
1/8-1/4
0.128 mi.
675 ft.

Relative:
Higher

CHULA VISTA ELECTRIC CO.
9344 WHEATLANDS RD
SANTEE, CA 92071

San Diego Co. HMMD **S106072251**
CERS HAZ WASTE **N/A**
CERS

Click here for full text details

San Diego Co. HMMD
Record ID DEH2003-HUPFP-202316

I58
SSW
1/8-1/4
0.128 mi.
675 ft.

Relative:
Higher

CHULA VISTA ELECTRIC CO
9344 WHEATLANDS RD
SANTEE, CA 92071

RCRA NonGen / NLR **1024845633**
CAL000398849

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000398849

H59
SW
1/8-1/4
0.136 mi.
716 ft.

Relative:
Higher

JIMCO RACING INC
9335 STEVENS RD
SANTEE, CA 92071

CERS HAZ WASTE
HAZNET
CERS
HWTS

S112856159
N/A

Click here for full text details

HAZNET
GEPAID CAL000453201
GEPAID CAC000957176

H60
SW
1/8-1/4
0.136 mi.
716 ft.

Relative:
Higher

JIMCO RACING INC
9335 STEVENS RD
SANTEE, CA 92071

RCRA NonGen / NLR

1026057008
CAL000453201

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000453201

H61
SW
1/8-1/4
0.136 mi.
716 ft.

Relative:
Higher

R K BURNER SHEET METAL
9335 STEVENS RD
SANTEE, CA 92071

San Diego Co. HMMD
HIST UST

S106059894
N/A

Click here for full text details

H62
SW
1/8-1/4
0.136 mi.
716 ft.

Relative:
Higher

R.K. BURNER SHEET METAL, INC.
9335 STEVENS RD
SANTEE, CA 92071

San Diego Co. HMMD
HIST UST

U001572274
N/A

Click here for full text details

San Diego Co. HMMD
Record ID DEH2010-HUPFP-212009

HIST UST
Facility Id 00000068882

H63
SW
1/8-1/4
0.136 mi.
716 ft.

Relative:
Higher

MASTERCRAFT MOTORSPORTS INC
9335 STEVENS RD
SANTEE, CA 92071

RCRA NonGen / NLR

1024849216
CAL000405613

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000405613

K64
ESE
1/8-1/4
0.144 mi.
762 ft.

Relative:
Higher

RAFI GORGES
11140 MEADOW TERRACE DR.
SANTEE, CA 92071

RCRA NonGen / NLR **1025829201**
CAC003008755

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003008755

65
SE
1/8-1/4
0.166 mi.
876 ft.

Relative:
Higher

JENNIFER JONES
9253 BLOOMDALE ST.
SANTEE, CA 92071

RCRA NonGen / NLR **1026817779**
CAC003130545

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003130545

L66
West
1/8-1/4
0.170 mi.
896 ft.

Relative:
Lower

QUALITY CONTROLLED MFG INC
9429 ABRAHAM WAY
SANTEE, CA 92071

RCRA NonGen / NLR **1024820220**
CAL000332740

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000332740

L67
West
1/8-1/4
0.170 mi.
896 ft.

Relative:
Lower

QUALITY CONTROLLED MFG INC
9429 ABRAHAM WAY
SANTEE, CA 92071

RCRA-SQG **1000344064**
FINDS **CAD981396997**
ECHO

Click here for full text details

RCRA-SQG
EPA Id CAD981396997

FINDS
Registry ID: 110002693381
Registry ID: 110055743888

ECHO
Registry ID 110055743888
Registry ID 110002693381

L68
West
1/8-1/4
0.170 mi.
896 ft.

Relative:
Lower

QUALITY CONTROLLED MANUFACTURING, INC
9429 ABRAHAM WAY
SANTEE, CA 92071

San Diego Co. HMMD
CERS HAZ WASTE
CERS

S104745175
N/A

Click here for full text details

San Diego Co. HMMD
Record ID DEH2008-HUPFP-209404

M69
SW
1/8-1/4
0.180 mi.
953 ft.

Relative:
Higher

FETTERLEY OIL CO
9311 STEVENS ST
SANTEE, CA 92071

San Diego Co. HMMD
SWEEPS UST
NPDES

S104746325
N/A

Click here for full text details

SWEEPS UST
Comp Number 6168

K70
ESE
1/8-1/4
0.187 mi.
985 ft.

Relative:
Higher

JORGE CONTRERAS
11203 VIA MADONNA
SANTEE, CA 92071

RCRA NonGen / NLR

1027215377
CAC003180076

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003180076

N71
SSW
1/8-1/4
0.192 mi.
1012 ft.

Relative:
Higher

HYDRAULIC ELECTRIC COMPONENT SUPPLY INC
9316 WHEATLANDS RD SUITES A&B
SANTEE, CA 92071

CERS HAZ WASTE
CERS

S123498932
N/A

Click here for full text details

L72
West
1/8-1/4
0.195 mi.
1027 ft.

Relative:
Lower

STRATEDGE CORPORATION
9424 ABRAHAM WAY
SANTEE, CA 92071

San Diego Co. HMMD
CERS HAZ WASTE
HAZNET
CERS
HWTS

S113155444
N/A

Click here for full text details

San Diego Co. HMMD
Record ID DEH2008-HUPFP-209130

HAZNET
GEPAID CAL000340945

L73
West
1/8-1/4
0.195 mi.
1027 ft.

Relative:
Lower

STRATEDGE
9424 ABRAHAM WAY
SANTEE, CA 92071

RCRA-SQG **1024877046**
CAR000285569

Click here for full text details

RCRA-SQG
EPA Id CAR000285569

L74
West
1/8-1/4
0.195 mi.
1028 ft.

Relative:
Lower

AYMAR INDUSTRIES, LLC.
9434 ABRAHAM WAY
SANTEE, CA 92071

San Diego Co. HMMD **S106879551**
CERS HAZ WASTE **N/A**
NPDES
CIWQS
CERS
HWTS

Click here for full text details

San Diego Co. HMMD
Record ID DEH2004-HUPFP-203985

NPDES
Facility Status Active

L75
West
1/8-1/4
0.195 mi.
1028 ft.

Relative:
Lower

AYMAR ENGINEERING
9434 ABRAHAM WAY
SANTEE, CA 92071

RCRA NonGen / NLR **1025870218**
CAL000422384

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000422384

O76
WSW
1/8-1/4
0.197 mi.
1040 ft.

Relative:
Lower

CALIFORNIA CRAFTED MARBLE DBA CCM ENTERPRISES
9366 ABRAHAM WAY
SANTEE, CA 92071

RCRA NonGen / NLR **1024829851**
CAL000363925

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000363925

O77
WSW
1/8-1/4
0.197 mi.
1040 ft.

Relative:
Lower

CALIFORNIA CRAFTED MARBLE
9366 ABRAHAM WAY
SANTEE, CA 92071

RCRA NonGen / NLR **1027081555**
CAC003153628

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003167212
EPA Id CAC003153628

O78
WSW
1/8-1/4
0.197 mi.
1040 ft.

Relative:
Lower

SAN DIEGO DESIGN INC
9366 ABRAHAM WY
SANTEE, CA 92071

RCRA-SQG
San Diego Co. HMMD
FINDS

1000110665
CAD981384993

Click here for full text details

RCRA-SQG
EPA Id CAD981384993

FINDS
Registry ID: 110001170893

M79
SW
1/8-1/4
0.198 mi.
1044 ft.

Relative:
Higher

ASHLYNN MARKETING GROUP
10870 HARTLEY RD #B
SANTEE, CA 92071

RCRA NonGen / NLR

1026046113
CAC003052571

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003052571

M80
SW
1/8-1/4
0.198 mi.
1044 ft.

Relative:
Higher

ASHLYNN MARKETING GROUP
10870 HARTLEY RD
SANTEE, CA 92071

RCRA NonGen / NLR

1026806083
CAC003118281

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003118281

M81
SW
1/8-1/4
0.198 mi.
1044 ft.

Relative:
Higher

ASHLYNN MARKETING GROUP
10870 HARTLEY RD STE B
SANTEE, CA 92071

RCRA NonGen / NLR

1025857908
CAC003038393

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003038393

O82
WSW
1/8-1/4
0.205 mi.
1085 ft.

Relative:
Higher

ACCURATE AIR ENGINEERING INC
9356 ABRAHAM WAY
SANTEE, CA 92071

RCRA NonGen / NLR

1024828097
CAL000359247

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000359247

O83
WSW
1/8-1/4
0.205 mi.
1085 ft.

Relative:
Higher

JERAMES TOOL AND MFG
9356 ABRAHAM WAY
SANTEE, CA 92071

Database(s): RCRA-SQG, San Diego Co. HMMD, FINDS, ECHO
EDR ID Number: 1000149680
EPA ID Number: CAD020203139

Click here for full text details

RCRA-SQG
EPA Id CAD020203139

FINDS
Registry ID: 110002638799

ECHO
Registry ID 110002638799

O84
WSW
1/8-1/4
0.205 mi.
1085 ft.

Relative:
Higher

JERAMES TOOL & MFG
9356 ABRAHAM WAY
SANTEE, CA 92071

Database(s): San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS, HWTS
EDR ID Number: S113000012
EPA ID Number: N/A

Click here for full text details

San Diego Co. HMMD
Record ID DEH2017-HUPFP-003420

HAZNET
GEPAID CAD020203139

O85
WSW
1/8-1/4
0.205 mi.
1085 ft.

Relative:
Higher

STREET TRENZ INC
9356 ABRAHAM WAY
SANTEE, CA 92071

Database(s): RCRA NonGen / NLR
EDR ID Number: 1026829196
EPA ID Number: CAL000464248

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000464248

N86
SSW
1/8-1/4
0.207 mi.
1094 ft.

Relative:
Higher

MATHY MACHINE, INC.
9315 WHEATLANDS RD
SANTEE, CA 92071

Database(s): San Diego Co. HMMD, CERS HAZ WASTE, CERS, HWTS
EDR ID Number: S104754432
EPA ID Number: N/A

Click here for full text details

San Diego Co. HMMD
Record ID DEH2002-HUPFP-134448

N87
SSW
1/8-1/4
0.207 mi.
1094 ft.

Relative:
Higher

MATHY MACHINE INC
9315 WHEATLANDS, #B
SANTEE, CA 92071

RCRA NonGen / NLR

1024783562
CAD982028144

Click here for full text details

RCRA NonGen / NLR
EPA Id CAD982028144

L88
West
1/8-1/4
0.207 mi.
1094 ft.

Relative:
Lower

SOUTHBAY FOUNDRY, INC.
9444 ABRAHAM WAY
SANTEE, CA 92071

San Diego Co. HMMD
CERS HAZ WASTE
CERS

S105022245
N/A

Click here for full text details

San Diego Co. HMMD
Record ID DEH2002-HUPFP-102129

L89
West
1/8-1/4
0.207 mi.
1094 ft.

Relative:
Lower

SOUTH BAY FOUNDRY
9444 ABRAHAM WAY
SANTEE, CA 92071

RCRA NonGen / NLR

1024753105
CAC002972916

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC002972916

L90
West
1/8-1/4
0.207 mi.
1094 ft.

Relative:
Lower

SOUTH BAY FOUNDRY INC
9444 ABRAHAM WAY
SANTEE, CA 92071

RCRA NonGen / NLR

1025868660
CAL000378761

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000378761

P91
WSW
1/8-1/4
0.214 mi.
1132 ft.

Relative:
Higher

EASTWOOD MACHINE, LLC
9346 ABRAHAM WAY
SANTEE, CA 92071

San Diego Co. HMMD
CERS HAZ WASTE
HAZNET
CERS
HWTS

S118236783
N/A

Click here for full text details

San Diego Co. HMMD
Record ID DEH2018-HUPFP-004733

HAZNET
GEPAID CAL000400233

P92
WSW
1/8-1/4
0.214 mi.
1132 ft.

Relative:
Higher

EASTWOOD MACHINE LLC
9346 ABRAHAM WAY
SANTEE, CA 92071

RCRA NonGen / NLR **1024846304**
CAL000400233

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000400233

Q93
SW
1/8-1/4
0.214 mi.
1132 ft.

Relative:
Higher

DISCFLO CORP
10850 HARTLEY RD
SANTEE, CA 92071

RCRA NonGen / NLR **1024809923**
CAL000287207

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000287207

Q94
SW
1/8-1/4
0.214 mi.
1132 ft.

Relative:
Higher

DISCFLO CORPORATION
10850 HARTLEY RD A
SANTEE, CA 92071

San Diego Co. HMMD **S104756044**
CERS HAZ WASTE **N/A**
CERS

Click here for full text details

San Diego Co. HMMD
Record ID DEH2004-HUPFP-203299

95
ESE
1/8-1/4
0.216 mi.
1142 ft.

Relative:
Higher

CHARLES HELMER
9247 VIA ANITA
SANTEE, CA 92071

RCRA NonGen / NLR **1026167789**
CAC003067834

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003067834

96
ESE
1/8-1/4
0.220 mi.
1159 ft.

Relative:
Higher

AMY SKINNER
9240 NORTHCOTE ROAD
SANTEE, CA 92071

RCRA NonGen / NLR **1025845204**
CAC003024825

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003024825

R97
ENE
1/8-1/4
0.220 mi.
1161 ft.

Relative:
Higher

VISION SYSTEMS INC
11322 WOODSIDE AVE NORTH
SANTEE, CA 92071

RCRA-LQG | **1019899720**
CAR000268656

Click here for full text details

RCRA-LQG
EPA Id CAR000268656

R98
ENE
1/8-1/4
0.220 mi.
1161 ft.

Relative:
Higher

VISION SYSTEMS
11322 WOODSIDE AVENUE NORTH
SANTEE, CA 92071

CERS HAZ WASTE
NPDES
CIWQS
CERS

S112867431
N/A

Click here for full text details

NPDES
Facility Status Active

P99
WSW
1/8-1/4
0.225 mi.
1188 ft.

Relative:
Higher

A-I-M PLASTICS INC
9326 ABRAHAM WAY
SANTEE, CA 92071

RCRA NonGen / NLR

1024798672
CAL000205165

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000205165

P100
SW
1/8-1/4
0.238 mi.
1258 ft.

Relative:
Higher

ALTS TOOL AND MACHINE
9316 ABRAHAM WY
SANTEE, CA 92071

RCRA-SQG
San Diego Co. HMMD
FINDS
ECHO

1000905298
CA0000477877

Click here for full text details

RCRA-SQG
EPA Id CA0000477877

FINDS
Registry ID: 110002618490

ECHO
Registry ID 110002618490

101
SE
1/8-1/4
0.246 mi.
1297 ft.

Relative:
Higher

CARLOS MERCADO
9211 BLOOMDALE ST
SANTEE, CA 92071

RCRA NonGen / NLR | **1026482808**
CAC003088865

Click here for full text details

RCRA NonGen / NLR
EPA Id CAC003088865

102
East
1/8-1/4
0.247 mi.
1303 ft.

Relative:
Higher

SPECIALTY METALS FABRICATION INC
11222 WOODSIDE AVE
SANTEE, CA 92071

RCRA NonGen / NLR | **1024813849**
CAL000305980

Click here for full text details

RCRA NonGen / NLR
EPA Id CAL000305980

S103
ENE
1/4-1/2
0.395 mi.
2085 ft.

Relative:
Higher

DION & SONS, INC
11427 WOODSIDE AVE
SANTEE, CA 92071

LUST
SAN DIEGO CO. SAM
San Diego Co. HMMD
CERS HAZ WASTE
CERS TANKS
CERS | **S104749008**
N/A

Click here for full text details

LUST
Global Id T0607303173
Status Completed - Case Closed

SAN DIEGO CO. SAM
Case Number H19469-001
Case Number H19469-002
Case Number H19469-003
Case Number H19469-004
Facility Status Remedial Investigation
Facility Status Closed Case

San Diego Co. HMMD
Record ID DEH2008-HUPFP-209366

S104
ENE
1/4-1/2
0.395 mi.
2085 ft.

Relative:
Higher

ANTHONY T. DITTY
11427 WOODSIDE AVE
SANTEE, CA 92071

LUST
CPS-SLIC
AST
Cortese
HIST CORTESE
SAN DIEGO CO LOP
CERS | **S101301751**
N/A

Click here for full text details

LUST
Case Number 9UT938
Status Remediation Plan

ANTHONY T. DITTY (Continued) **S101301751**

CPS-SLIC
Global Id T0608144417
Global Id T0608182940
Global Id T0608115165
Global Id T10000004271
Facility Status Completed - Case Closed
Facility Status Open - Site Assessment

Click here to access the California GeoTracker records for this facility

Cortese
Cleanup Status COMPLETED - CASE CLOSED

HIST CORTESE
Reg Id 9UT938

T105 **SANTEE army camp** **ENVIROSTOR** **S107737292**
SSW **N/A**
1/2-1 **SANTEE, CA**
0.755 mi.
3988 ft.

Click here for full text details

Relative:
Higher

ENVIROSTOR
Facility Id 80000969
Status Inactive - Needs Evaluation

T106 **ARMY CAMP (SANTEE)** **FUDS** **1024904003**
SSW **N/A**
1/2-1 **SANTEE, CA**
0.757 mi.
3997 ft.

Click here for full text details

Relative:
Higher

U107 **DAVE'S AUTO SERVICE** **HIST Cal-Sites** **S102860941**
SW **10438 MISSION GORGE ROAD** **N/A**
1/2-1 **SANTEE, CA 92071**
0.812 mi.
4290 ft.

Click here for full text details

Relative:
Higher

U108
SW
1/2-1
0.812 mi.
4290 ft.

Relative:
Higher

DAVE'S AUTO SERVICE
10438 MISSION GORGE ROAD
SANTEE, CA 92071

RESPONSE
ENVIROSTOR
LIENS

S108744490
N/A

Click here for full text details

RESPONSE
Status Certified
Facility Id 37750003

ENVIROSTOR
Facility Id 37750003
Status Certified

LIENS
Envirostor Id 37750003

109
NW
1/2-1
0.831 mi.
4389 ft.

Relative:
Higher

SANTANA HIGH SCHOOL
9915 MAGNOLIA AVENUE
SANTEE, CA 92071

ENVIROSTOR
SCH
CERS

S103677965
N/A

Click here for full text details

ENVIROSTOR
Facility Id 60000859
Status Inactive - Withdrawn

SCH
Facility Id 60000859
Status Inactive - Withdrawn

110
WSW
1/2-1
0.841 mi.
4438 ft.

Relative:
Lower

EDGEMORE HOSPITAL

SANTEE, CA

Notify 65

S100178162
N/A

Click here for full text details

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	State Water Resources Control Board	02/20/2020	12/10/2021	02/25/2022
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	06/21/2022	06/21/2022	09/08/2022
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2019	01/20/2021	04/08/2021
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	04/18/2022	04/19/2022	07/12/2022
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	04/18/2022	04/19/2022	07/12/2022
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	04/18/2022	04/19/2022	07/12/2022
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	04/03/2022	04/19/2022	07/12/2022
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	08/16/2022	08/17/2022	08/18/2022
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	06/21/2022	06/21/2022	09/08/2022
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	12/07/2021	05/09/2022	05/17/2022
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	05/31/2022	05/31/2022	08/18/2022
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	05/25/2022	05/26/2022	08/11/2022
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	05/20/2022	05/20/2022	08/09/2022
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	08/27/2021	09/01/2021	11/19/2021
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2020	06/13/2022	08/30/2022
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	04/12/2022	04/19/2022	05/31/2022
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	04/25/2022	04/26/2022	07/15/2022
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	04/19/2022	04/29/2022	07/15/2022
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	08/09/2022	08/10/2022	08/30/2022
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	08/12/2022	08/16/2022	08/26/2022
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2021	07/05/2022	09/19/2022
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	05/16/2022	05/17/2022	08/03/2022
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	07/05/2022	07/05/2022	09/19/2022
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	04/05/2022	04/05/2022	04/26/2022
CA	ICE	ICE	Department of Toxic Subsances Control	05/16/2022	05/17/2022	08/03/2022
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	05/23/2022	05/23/2022	05/24/2022
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	05/25/2022	05/26/2022	08/11/2022
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	MINES	Mines Site Location Listing	Department of Conservation	06/06/2022	06/07/2022	08/23/2022
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	05/06/2022	05/31/2022	08/18/2022
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	06/10/2022	06/10/2022	08/26/2022
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	05/09/2022	05/09/2022	07/29/2022
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	05/31/2022	05/31/2022	08/18/2022
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	06/06/2022	06/07/2022	08/24/2022
CA	PROC	Certified Processors Database	Department of Conservation	06/06/2022	06/07/2022	08/23/2022
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	04/25/2022	04/26/2022	07/15/2022
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	05/05/2022	05/06/2022	07/21/2022
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	04/25/2022	04/26/2022	07/15/2022
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	05/09/2022	05/09/2022	07/29/2022
CA	SWRCY	Recycler Database	Department of Conservation	06/06/2022	06/07/2022	08/23/2022
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	06/06/2022	06/07/2022	08/23/2022
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	05/23/2022	05/23/2022	06/02/2022
CA	UST	Active UST Facilities	SWRCB	06/06/2022	06/07/2022	08/24/2022
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	06/01/2022	06/09/2022	08/26/2022
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	04/25/2022	04/26/2022	07/15/2022
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	02/11/2021	07/01/2021	09/29/2021
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	06/06/2022	06/07/2022	08/24/2022
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	06/14/2022	06/15/2022	08/22/2022
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2019	03/02/2022	03/25/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	03/31/2022	04/14/2022	07/12/2022
US	CORRACTS	Corrective Action Report	EPA	06/20/2022	06/21/2022	06/28/2022
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	07/26/2022	08/02/2022	08/22/2022
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	04/02/2022	04/05/2022	06/28/2022
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/14/2022	06/15/2022	06/21/2022
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	05/25/2021	06/24/2021	09/20/2021
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	10/14/2021	11/05/2021	02/01/2022
US	FINDS	Facility Index System/Facility Registry System	EPA	05/13/2022	05/18/2022	05/31/2022
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	05/11/2022	05/17/2022	07/29/2022
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	05/16/2022	05/17/2022	07/29/2022
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/21/2022	03/21/2022	06/14/2022
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/28/2021	06/11/2021	09/07/2021
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2022	06/13/2022	08/16/2022
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	06/02/2022	06/13/2022	08/31/2022
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/11/2022	06/13/2022	08/16/2022
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/28/2022	06/13/2022	08/16/2022
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2022	06/13/2022	08/16/2022
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/20/2022	06/13/2022	08/16/2022
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/08/2022	06/13/2022	08/16/2022
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/07/2022	06/13/2022	08/16/2022
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2022	06/13/2022	08/16/2022
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	06/02/2022	06/13/2022	08/31/2022
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/11/2022	06/13/2022	08/16/2022
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/28/2022	06/13/2022	08/16/2022
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2022	06/13/2022	08/16/2022
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/20/2022	06/13/2022	08/16/2022
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/08/2022	06/13/2022	08/16/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	07/26/2022	08/02/2022	08/22/2022
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	07/26/2022	08/02/2022	08/22/2022
US	LUCIS	Land Use Control Information System	Department of the Navy	05/16/2022	05/19/2022	07/29/2022
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	03/21/2022	03/22/2022	03/25/2022
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	06/10/2022	06/14/2022	08/22/2022
US	NPL	National Priority List	EPA	07/26/2022	08/02/2022	08/22/2022
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	01/20/2022	01/20/2022	03/25/2022
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	07/14/2011	08/05/2011	09/29/2011
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PCS INACTIVE	Listing of Inactive PCS Permits	EPA	11/05/2014	01/06/2015	05/06/2015
US	PRP	Potentially Responsible Parties	EPA	07/26/2022	08/02/2022	08/31/2022
US	Proposed NPL	Proposed National Priority List Sites	EPA	07/26/2022	08/02/2022	08/22/2022
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	ROD	Records Of Decision	EPA	07/26/2022	08/02/2022	08/22/2022
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	07/26/2022	08/02/2022	08/22/2022
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	07/26/2022	08/02/2022	08/22/2022
US	SSTS	Section 7 Tracking Systems	EPA	07/18/2022	07/18/2022	07/29/2022
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	02/23/2022	03/10/2022	03/10/2022
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	04/30/2022	05/24/2022	07/29/2022
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	05/16/2022	05/24/2022	07/29/2022
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/20/2022	06/21/2022	08/31/2022
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	04/30/2022	05/24/2022	07/29/2022
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	05/16/2022	05/24/2022	07/29/2022
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/03/2022	08/17/2022	08/31/2022
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2020	01/11/2022	02/14/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	05/08/2022	05/09/2022	07/28/2022
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	10/29/2021	01/19/2022
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
CA	Daycare Centers	Sensitive Receptor: Licensed Facilities	Department of Social Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
CA	State Wetlands	Wetland Inventory	Department of Fish and Wildlife			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

Â© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

10990 WOODSIDE AVE N
10990 WOODSIDE AVE N
SANTEE, CA 92071

TARGET PROPERTY COORDINATES

Latitude (North):	32.848148 - 32ˆ 50’ 53.33’’
Longitude (West):	116.959312 - 116ˆ 57’ 33.52’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	503807.5
UTM Y (Meters):	3634263.0
Elevation:	356 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12008233 EL CAJON, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

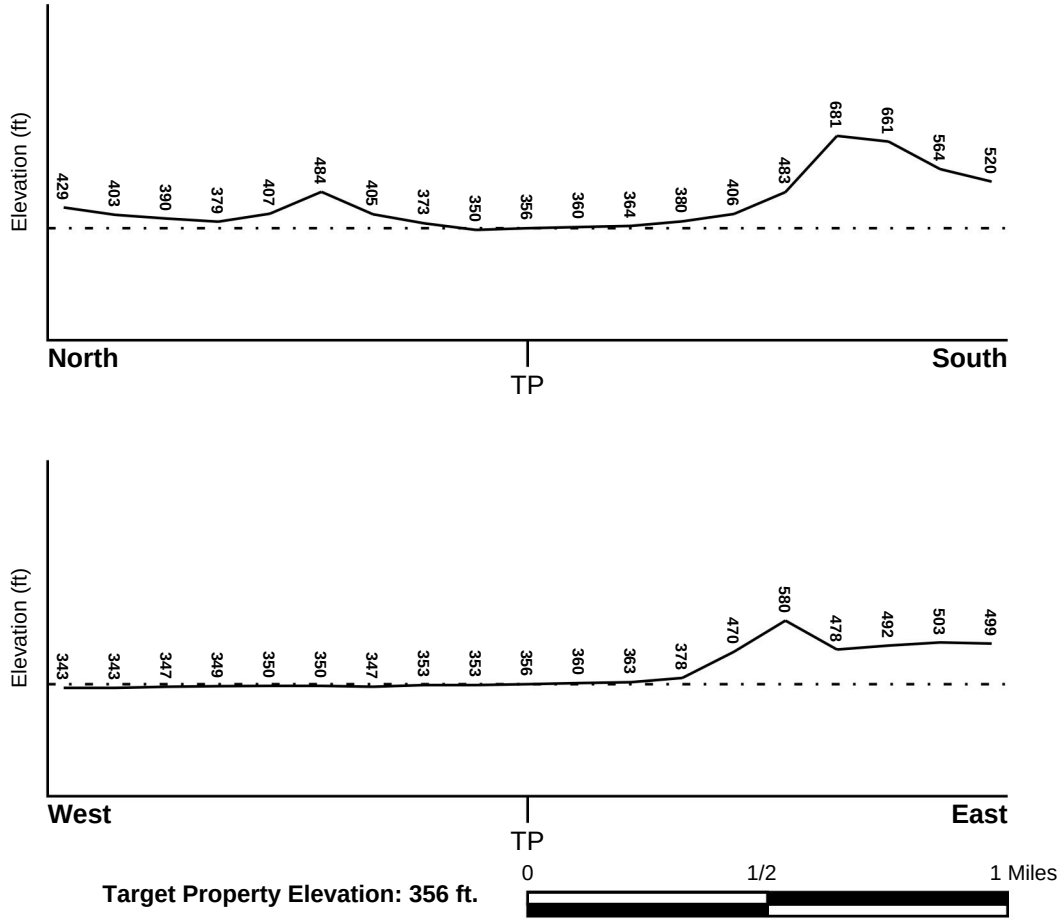
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06073C1652G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06073C1651G	FEMA FIRM Flood data
06073C1653G	FEMA FIRM Flood data
06073C1654G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
EL CAJON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

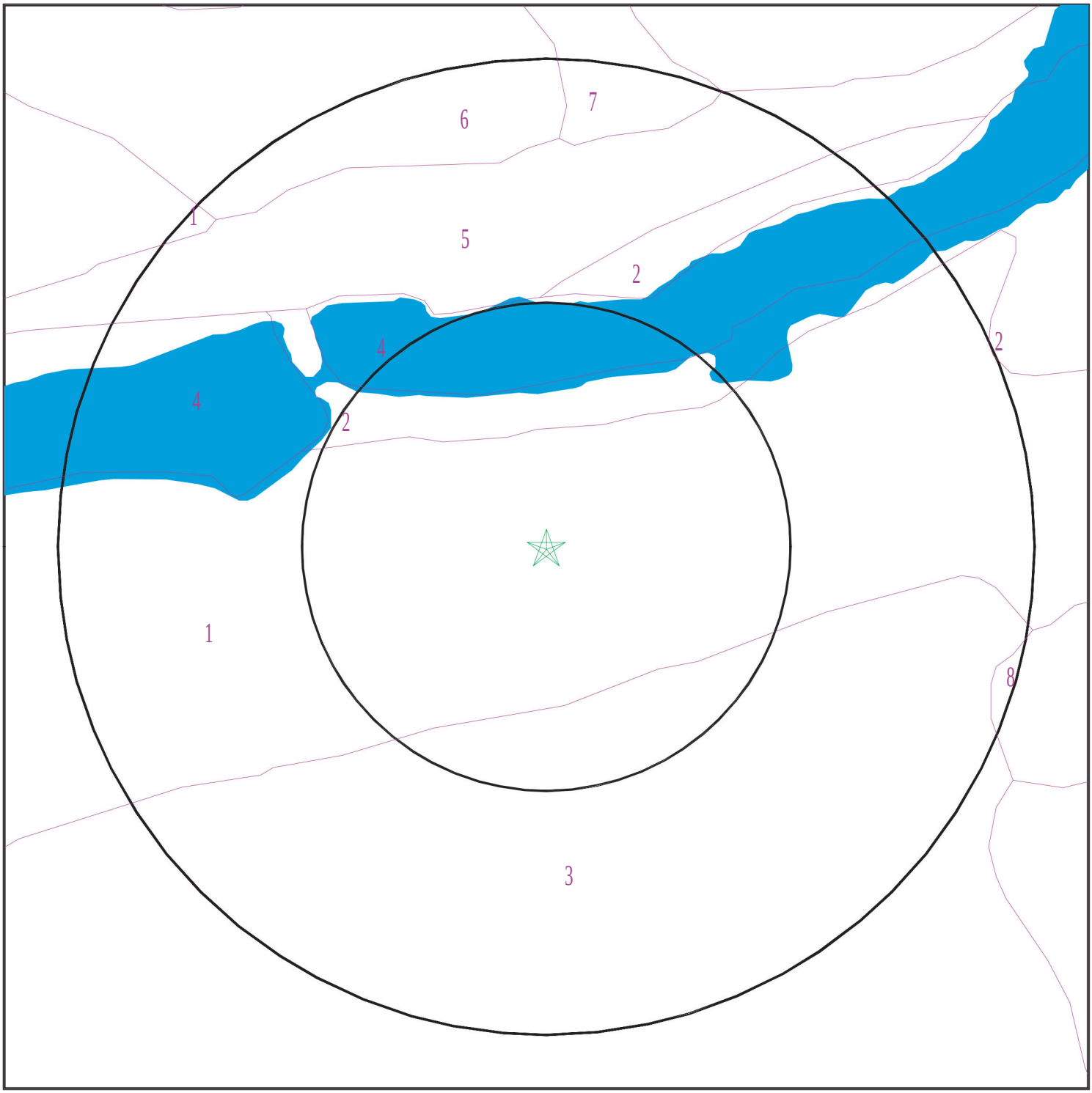
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7126896.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	10990 WOODSIDE AVE N	CLIENT:	Hazard Management Consulting
ADDRESS:	10990 WOODSIDE AVE N SANTEE CA 92071	CONTACT:	Troy Taylor
		INQUIRY #:	7126896.2s
LAT/LONG:	32.848148 / 116.959312	DATE:	September 22, 2022 6:16 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: VISALIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1
2	11 inches	40 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1
3	40 inches	59 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1

Soil Map ID: 2

Soil Component Name: RIVERWASH

Soil Surface Texture: gravelly coarse sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Excessively drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 168 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: Min:
2	5 inches	59 inches	stratified extremely gravelly coarse sand to gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: Min:

Soil Map ID: 3

Soil Component Name: RAMONA

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
2	16 inches	59 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
3	59 inches	74 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6

Soil Map ID: 4

Soil Component Name: Water

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: TUJUNGA

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6
2	14 inches	33 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6
3	33 inches	59 inches	stratified gravelly sand to gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6

Soil Map ID: 6

Soil Component Name: PLACENTIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	12 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9
2	12 inches	33 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9

Soil Map ID: 7

Soil Component Name: GREENFIELD

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.6
2	5 inches	33 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.6
3	33 inches	66 inches	stratified loamy coarse sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.6

Soil Map ID: 8

Soil Component Name: CIENEBA

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: Min:	Max: Min:
2	9 inches	14 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D29	USGS40000129916	1/2 - 1 Mile West
I46	USGS40000129937	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

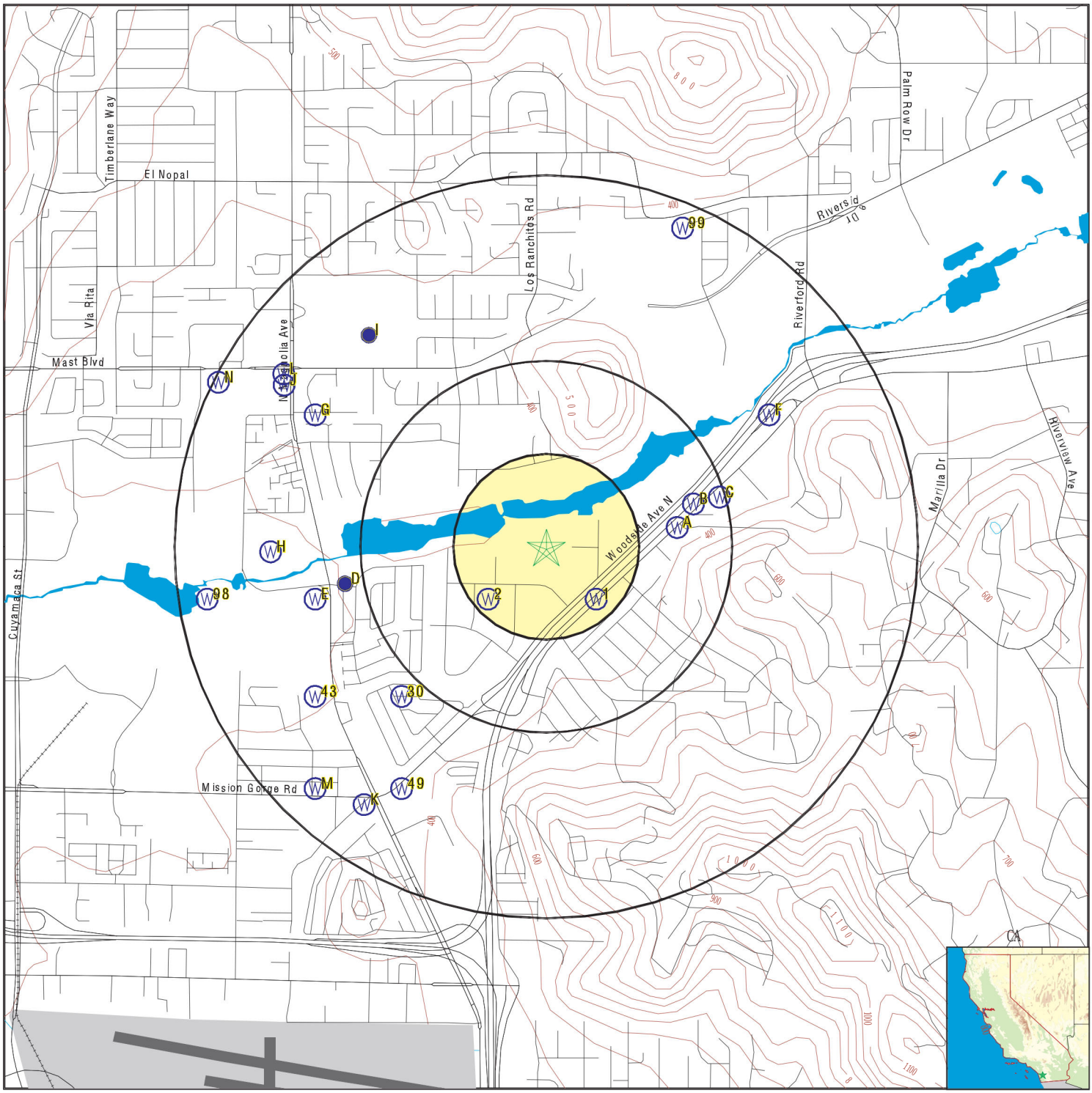
MAP ID	WELL ID	LOCATION FROM TP
1	CADWR0000036226	1/8 - 1/4 Mile SE
2	CADWR0000007719	1/8 - 1/4 Mile SW
A3	CAEDF0000077896	1/4 - 1/2 Mile East
B4	CAEDF0000003377	1/4 - 1/2 Mile ENE
A5	CAEDF0000016265	1/4 - 1/2 Mile East
B6	CAEDF0000007537	1/4 - 1/2 Mile ENE
B7	CAEDF0000123642	1/4 - 1/2 Mile ENE
B8	CAEDF0000050691	1/4 - 1/2 Mile ENE
B9	CAEDF0000078606	1/4 - 1/2 Mile ENE
C10	CAEDF0000106460	1/4 - 1/2 Mile ENE
C11	CAEDF0000119738	1/4 - 1/2 Mile ENE
C12	CAEDF0000007982	1/4 - 1/2 Mile ENE
C13	CAEDF0000098574	1/4 - 1/2 Mile ENE
C14	CAEDF0000068205	1/4 - 1/2 Mile ENE
C15	CAEDF0000110340	1/4 - 1/2 Mile ENE
C16	CAEDF0000127681	1/4 - 1/2 Mile ENE
C17	CAEDF0000084668	1/4 - 1/2 Mile ENE
C18	CAEDF0000057738	1/4 - 1/2 Mile ENE
C19	CAEDF0000017481	1/4 - 1/2 Mile ENE
C20	CAEDF0000074240	1/4 - 1/2 Mile ENE
C21	CAEDF0000088824	1/4 - 1/2 Mile ENE
C22	CAEDF0000109541	1/4 - 1/2 Mile ENE
C23	CAEDF0000044216	1/4 - 1/2 Mile ENE
C24	CAEDF0000088474	1/2 - 1 Mile ENE
C25	CAEDF0000071163	1/2 - 1 Mile ENE
C26	CAEDF0000007834	1/2 - 1 Mile ENE
C27	CAEDF0000129930	1/2 - 1 Mile ENE
D28	CAUSGSN00003066	1/2 - 1 Mile West
30	CADWR0000002796	1/2 - 1 Mile SW
E31	CADWR0000024386	1/2 - 1 Mile WSW
E32	CADWR0000018735	1/2 - 1 Mile WSW
E33	CADWR0000018644	1/2 - 1 Mile WSW
F34	CADWR0000003227	1/2 - 1 Mile ENE
F35	CADWR0000004260	1/2 - 1 Mile ENE
G36	CADWR0000001600	1/2 - 1 Mile WNW
G37	CADWR0000008714	1/2 - 1 Mile WNW
H38	CAEDF0000106144	1/2 - 1 Mile West
H39	CAEDF0000019468	1/2 - 1 Mile West
H40	CAEDF0000031787	1/2 - 1 Mile West
H41	CAEDF0000113145	1/2 - 1 Mile West
H42	CAEDF0000089199	1/2 - 1 Mile West
43	CADWR0000007857	1/2 - 1 Mile WSW
I44	CAUSGSN00015577	1/2 - 1 Mile NW
H45	CAEDF0000060710	1/2 - 1 Mile West
H47	CAEDF0000093974	1/2 - 1 Mile West
H48	CAEDF0000031702	1/2 - 1 Mile West
49	CADWR0000004413	1/2 - 1 Mile SSW
J50	CAEDF0000093811	1/2 - 1 Mile WNW
J51	CAEDF0000120681	1/2 - 1 Mile WNW
J52	CAEDF0000083615	1/2 - 1 Mile WNW
J53	CAEDF0000106149	1/2 - 1 Mile WNW
J54	CAEDF0000116998	1/2 - 1 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J55	CAEDF0000131320	1/2 - 1 Mile WNW
J56	CAEDF0000046659	1/2 - 1 Mile WNW
K57	CAEDF0000097166	1/2 - 1 Mile SSW
K58	CAEDF0000058938	1/2 - 1 Mile SW
J59	CAEDF0000134270	1/2 - 1 Mile WNW
L60	CAEDF0000099776	1/2 - 1 Mile NW
L61	CAEDF0000021375	1/2 - 1 Mile NW
J62	CAEDF0000100042	1/2 - 1 Mile WNW
K63	CAEDF0000074976	1/2 - 1 Mile SSW
J64	CAEDF0000117944	1/2 - 1 Mile WNW
K65	CAEDF0000034301	1/2 - 1 Mile SW
J66	CAEDF0000052163	1/2 - 1 Mile WNW
J67	CAEDF0000101025	1/2 - 1 Mile WNW
K68	CAEDF0000104365	1/2 - 1 Mile SSW
K69	CAEDF0000042666	1/2 - 1 Mile SW
K70	CAEDF0000109451	1/2 - 1 Mile SW
J71	CAEDF0000006551	1/2 - 1 Mile WNW
K72	CAEDF0000069424	1/2 - 1 Mile SW
K73	CAEDF0000099868	1/2 - 1 Mile SSW
K74	CAEDF0000060825	1/2 - 1 Mile SW
K75	CAEDF0000081592	1/2 - 1 Mile SW
K76	CAEDF0000106266	1/2 - 1 Mile SW
K77	CAEDF0000030745	1/2 - 1 Mile SW
L78	CAEDF0000052018	1/2 - 1 Mile WNW
K79	CAEDF0000087777	1/2 - 1 Mile SSW
K80	CAEDF0000064558	1/2 - 1 Mile SW
J81	CAEDF0000065356	1/2 - 1 Mile WNW
K82	CAEDF0000038778	1/2 - 1 Mile SSW
K83	CAEDF0000114839	1/2 - 1 Mile SW
K84	CAEDF0000107258	1/2 - 1 Mile SW
K85	CAEDF0000067998	1/2 - 1 Mile SSW
J86	CAEDF0000033499	1/2 - 1 Mile WNW
K87	CAEDF0000115246	1/2 - 1 Mile SW
K88	CAEDF0000092105	1/2 - 1 Mile SW
K89	CAEDF0000131478	1/2 - 1 Mile SW
K90	CAEDF0000100627	1/2 - 1 Mile SW
L91	CAEDF0000120551	1/2 - 1 Mile WNW
K92	CAEDF0000115243	1/2 - 1 Mile SW
K93	CAEDF0000084373	1/2 - 1 Mile SW
M94	CADWR0000023171	1/2 - 1 Mile SW
M95	CADWR0000019673	1/2 - 1 Mile SW
M96	CADWR0000014893	1/2 - 1 Mile SW
M97	CADWR0000026129	1/2 - 1 Mile SW
98	CADWR0000003997	1/2 - 1 Mile West
99	CADWR0000012524	1/2 - 1 Mile NNE
N100	CAEDF0000060239	1/2 - 1 Mile WNW
N101	CAEDF0000014109	1/2 - 1 Mile WNW
N102	CAEDF0000078820	1/2 - 1 Mile WNW
N103	CAEDF0000104776	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 7126896.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	10990 WOODSIDE AVE N	CLIENT:	Hazard Management Consulting
ADDRESS:	10990 WOODSIDE AVE N SANTEE CA 92071	CONTACT:	Troy Taylor
LAT/LONG:	32.848148 / 116.959312	INQUIRY #:	7126896.2s
		DATE:	September 22, 2022 6:16 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **SE** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CADWR0000036226**
2 **SW** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CADWR0000007719**
A3 **East** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000077896**
B4 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000003377**
A5 **East** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000016265**
B6 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000007537**
B7 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000123642**
B8 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000050691**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
B9 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000078606**
C10 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000106460**
C11 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000119738**
C12 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000007982**
C13 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000098574**
C14 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000068205**
C15 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000110340**
C16 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000127681**
C17 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000084668**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
C18 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000057738**
C19 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000017481**
C20 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000074240**
C21 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000088824**
C22 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000109541**
C23 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000044216**
C24 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000088474**
C25 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000071163**
C26 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000007834**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
C27 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000129930**
D28 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CAUSGSN00003066**
D29 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000129916**
30 **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CADWR0000002796**
E31 **WSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CADWR0000024386**
E32 **WSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CADWR0000018735**
E33 **WSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CADWR0000018644**
F34 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CADWR0000003227**
F35 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CADWR0000004260**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
G36 **WNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CADWR0000001600**
G37 **WNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CADWR0000008714**
H38 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CAEDF0000106144**
H39 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CAEDF0000019468**
H40 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CAEDF0000031787**
H41 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CAEDF0000113145**
H42 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CAEDF0000089199**
43 **WSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CADWR0000007857**
I44 **NW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAUSGSN00015577**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
H45 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CAEDF0000060710**
I46 **NW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000129937**
H47 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CAEDF0000093974**
H48 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CAEDF0000031702**
49 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CADWR0000004413**
J50 **WNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CAEDF0000093811**
J51 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000120681**
J52 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000083615**
J53 **WNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CAEDF0000106149**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
J54 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000116998**
J55 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000131320**
J56 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000046659**
K57 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000097166**
K58 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000058938**
J59 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000134270**
L60 **NW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000099776**
L61 **NW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000021375**
J62 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000100042**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K63 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000074976**
J64 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000117944**
K65 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000034301**
J66 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000052163**
J67 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000101025**
K68 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000104365**
K69 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000042666**
K70 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000109451**
J71 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000006551**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K72 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000069424**
K73 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000099868**
K74 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000060825**
K75 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000081592**
K76 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000106266**
K77 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000030745**
L78 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000052018**
K79 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000087777**
K80 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000064558**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
J81 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000065356**
K82 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000038778**
K83 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000114839**
K84 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000107258**
K85 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000067998**
J86 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000033499**
K87 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000115246**
K88 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000092105**
K89 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000131478**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K90 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000100627**
L91 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000120551**
K92 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000115243**
K93 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000084373**
M94 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CADWR0000023171**
M95 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CADWR0000019673**
M96 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CADWR0000014893**
M97 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CADWR0000026129**
98 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**CADWR0000003997**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
99 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CADWR0000012524**
N100 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000060239**
N101 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000014109**
N102 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000078820**
N103 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**CA WELLS**	**CAEDF0000104776**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92071	27	2

Federal EPA Radon Zone for SAN DIEGO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 92071

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

Â© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX C

HMC
HAZARD MANAGEMENT CONSULTING

ESA USER QUESTIONNAIRE

Phase I Environmental Site Assessment
ASTM Standard 1527-05

Site:

In order to qualify for one of the *Landowner Liability Protections (LLPs)*35 offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), 36 the *user*[1] must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.
(Note: double-click boxes to check or uncheck)

(1) Are you aware of any environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law?

☑ No ☐ Yes (if yes, please describe)

(2) Are you aware of any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☑ No ☐ Yes (if yes, please describe)

(3) As the user of this ESA do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☑ No ☐ Yes (if yes, please describe)

[1] A User as defined in ASTM 1527-05 is the party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of the property, a potential tenant of property, an owner of property, a lender, or a property manager. The User ha specific obligations for completing a successful application of this process as outlined in Section 6 of this standard.

(4) Does the purchase price being paid for this Site reasonably reflect the fair market value of the Site? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Site?

☐ No ☑ Yes (if yes, please describe)

Yes is checked in response to the first question. Yes, we believe that the purchase price reasonably reflects the fair market value.

(5) Are you aware of commonly known or *reasonably ascertainable* information about the Site that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *user*,

(a.) Do you know the past uses of the Site?

☑ No ☐ Yes (if yes, please describe)

(b.) Do you know of specific chemicals that are present or once were present at the Site?

☑ No ☐ Yes (if yes, please describe)

(c.) Do you know of spills or other chemical releases that have taken place at the Site?

☑ No ☐ Yes (if yes, please describe)

(d.) Do you know of any environmental cleanups that have taken place at the Site?

☑ No ☐ Yes (if yes, please describe)

(6) As the *user* of this *ESA*, based on your knowledge and experience related to the Site are there any *obvious* indicators that point to the presence or likely presence of contamination at the Site?

☑ No ☐ Yes (if yes, please describe)

Additional Information

This information is intended to assist the *environmental professional* conducting the ESA, but is not necessarily required to qualify for one of the *LLPs*. The information includes:

(a) Why is the Phase I being conducted?

Due diligence for property acquisition.

(b) What is the type of property and type of property transaction, for example, sale, purchase, exchange, etc. ?

Purchase.

(c) What is the complete and correct address for the Site (a map or other documentation showing Site location and boundaries is helpful),

10990 N Woodside Ave, Santee, CA 92071
APN 381-070-52-00
See APN map on last page

(d) the scope of services desired for the Phase I (including whether any parties to the *property* transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E 1527 are to be considered),

Per contract dated 9/20/22

(e) Please identify all parties who will rely on the Phase I *report.*

North Palisade Partners, LLC; North Palisade Opco, LLC; and affiliated entities. Future ownership entity, lenders, equity investors, regulatory authorities, other parties with interest in the Site

(f) Please identify the Site contact and how the contact can be reached,

Unknown, see owner's questionnaire.

(g) Please indicate any other knowledge or experience with the Site that may be pertinent to the *environmental professional* (for example, copies of any available prior *environmental site assessment reports*, documents, correspondence, etc., concerning the Site and its environmental condition) and any environmental permits such as air quality management district, stormwater, wastewater, underground storage tanks or aboveground tanks.

None

(g) Can you provide a recent Chain of Title report for the Site?

Title report in progress, will provide upon receipt.

This questionnaire was completed by:

Name: William Jacobs

Signature:

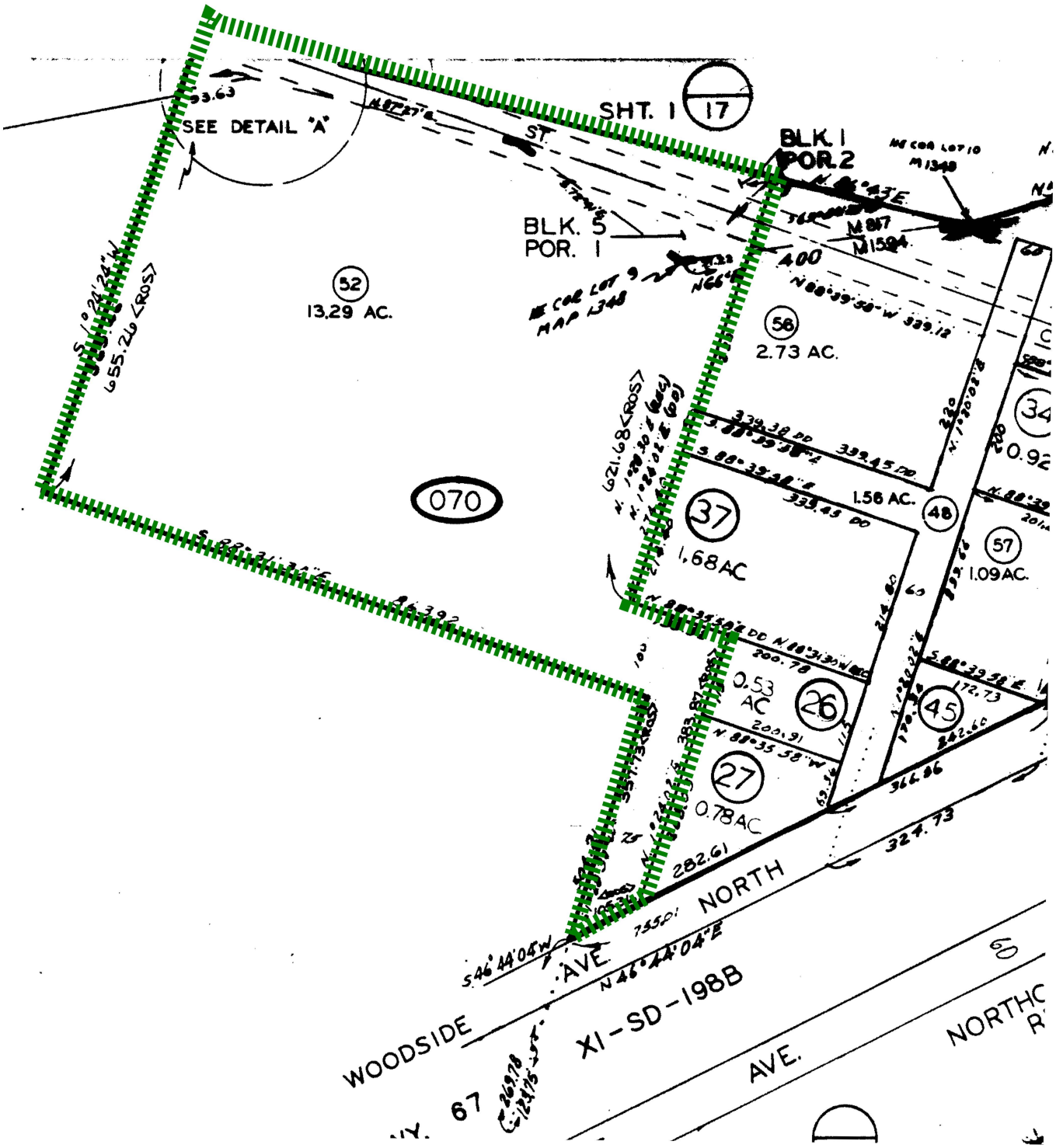
Date: 9/26/22

Title: Agent

Please describe the length of and nature of your experience/knowledge of the Site.

Working on zoning analysis for about four weeks. No other knowledge.

SITE PLAN:



SHT. 1
17
SEE DETAIL "A"
BLK. 1
POR. 2
BLK. 5
POR. 1
52
13.29 AC.
56
2.73 AC.
070
37
1.68 AC
1.56 AC.
48
57
1.09 AC.
0.53
AC
26
45
27
0.78 AC
NORTH
AVE.
WOODSIDE
XI-SD-198B
AVE.
NORTHC
67

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2315/1-800-253-9933
www.sdcounty.ca.gov/deh/lwq

JACK MILLER
ASSISTANT DIRECTOR

PAST DUE NOTICE

July 3, 2008

ANDREW T. GUATELLI
GEOSOILS CONSULTANTS INC
6634 VALJEAN AVE
VAN NUYS, CA 91406

PERMIT: LMON-105332 -- APPROVED: December 4, 2007 -- EXPIRED: April 2, 2008
10900 WOODSIDE AVENUE, SANTEE, CA 92071

The Department of Environmental Health (DEH), Monitoring Well Program has no record of receiving a report for work completed under this permit as required by San Diego County Code, Section 67.447.

A complete and accurate well/boring report must be submitted within sixty days of completing the work covered by the permit. This requirement was stated as a condition on the permit. Submit the Sixty-Day report to the Well Permit Desk at the address shown above by **July 18, 2008**.

A checklist is enclosed to assist you in providing the data that must be included in a complete report. Please be advised that incomplete reports will be returned.

Please contact the Well Permit Desk at (619) 338-2339 if you wish to discuss this letter.

Thank you for your cooperation.

Sincerely,

Marisue Crystal, Environmental Health Technician
Monitoring Well Program
Site Assessment and Mitigation Program

Enclosure

cc: **SUSAN FORTE BOYD, FORTE FAMILY LIMITED PARTNERSHIP**
TESTAMERICA DRILLING CORP DBA: WEST HAZMAT DRILLING

PERMIT #LMON105332
A.P.N. # 381-070-52-00
EST # NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
GEOTECHNICAL BORING CONSTRUCTION PERMIT

SITE NAME: SANTEE DRIVE-IN

SITE ADDRESS: 10900 WOODSIDE AVE., SANTEE 92071

PERMIT FOR: 5 GEOTECHNICAL BORINGS

PERMIT APPROVAL DATE: 12/04/2007

PERMIT EXPIRES ON: 03/24/2008

RESPONSIBLE PARTY: FORTE FAMILY LTD

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. (**http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html**). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. **This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.**

APPROVED BY: V. Tavizon DATE: 12/04/2007
VERONICA TAVIZON-HITCHNER

NOTIFIED: emailed 12/4/07

DEH:SAM-9075 (4/03)

dw 12/15

T105332

GP

RECEIVED
NOV 20 2007
ENVIRONMENTAL HEALTH

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMON # _____
SAM CASE Y(N)# NONE
DATE RECEIVED: 11/20/07
FEE PAID: $386.50
CHECK # 25394

FORTE FAMILY LIMITED PARTNERSHIP

A. RESPONSIBLE PARTY ~~SUSAN FORTE~~ Boyo E-mail _____
(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)
Mailing Address 33621 HOLTZ HILL City DANA POINT State CA Zip 92629
Contact Person SUSAN FORTE BOYO Phone (949)481-8502 Ext. _____ Fax (949)481-8502

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # _____

C. CONSULTING FIRM GEOSOILS, INC.
Mailing Address 5741 PALMER WAY, SUITE D City CARLSBAD State CA Zip 92010
Registered Professional ANDREW T. GUATELLI 12/31/07 Registration # 47335 (RG, (RCE), CEG, PG)
E-mail aguatelli@geosoilsinc.com Circle if applicable
Contact Person ANDREW GUATELLI / RYAN BOEHMER Phone (760)438-3155 Ext. _____ Fax (760)931-0915

D. DRILLING COMPANY TEST AMERICA DRILLING CORP. C57# 819548
Contact Name MANUEL MARQUEZ E-mail mmarquez@testamericainc.com
Mailing Address 7888 OTHELLO AVE. City SAN DIEGO State CA Zip 92111
Phone (858)496-9654 Ext. _____ Fax (858)496-9658

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	___
☐ Vadose	___
☒ Boring	5
☐ Other	___

NUMBER OF WELLS TO BE DESTROYED

☐ ___

MATERIALS TO BE USED

CASING
Not Applicable ____
Type _____
Gauge _____
Diameter _____
Well Screen Size _____
Filter Pack _____

SEAL/BORING BACKFILL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other
Borehole diameter 3-INCH CPT'S, 8-INCH

Drilling Method
☒ Auger ☐ Air Rotary
☐ Mud Rotary ☐ Other
☐ Percussion

PROPOSED CONSTRUCTION
Estimated groundwater depth: ~20 ft.
Estimated depth of boring 60 ft.

Concrete surface seal	0 to 3
Annular seal	___ to ___
Bentonite transition seal	3 to 60
Filter Pack	___ to ___
Perforation	___ to ___

NOTE:
Attach a well construction diagram for wells with multiple completions

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE _____ DATE 11/16/07

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk with a complete and accurate well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

RG/RCE/CEG SIGNATURE _____ DATE 11/16/07

F. SITE INFORMATION

1. ASSESSOR'S PARCEL NUMBER 381-070-52

Site Name SANTEE DRIVE-IN

Site Address 10900 ~~WOODSIDE~~ SLOE AVE. City SANTEE Zip 92071

PROPERTY OWNER SUSAN FORTE Boyd FOR: FORTE FAMILY LIMITED PARTNERSHIP

Phone (949) 481-8502 Ext. _____ Fax (949) 481-8502

Mailing Address ~~33621~~ 41 HOLTZ HILL City DANA POINT State CA Zip 92629

NUMBER OF ~~WELLS~~ BORINGS 5 TYPE OF ~~WELLS~~ BORING HOLLOW-STEM AUGER AND CPT

2. ASSESSOR'S PARCEL NUMBER _____

Site Name _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ TYPE OF WELLS _____

3. ASSESSOR'S PARCEL NUMBER _____

Site Name _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ TYPE OF WELLS _____

4. ASSESSOR'S PARCEL NUMBER _____

Site Name _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ TYPE OF WELLS _____

G. FEES (in effect beginning July 1, 2007, through June 30, 2008)

ACTIVITY	FEE SCHEDULE	AMOUNT	
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	$186.00 for the first monitoring well		**$186.00**
Permit for Well Maintenance Inspection (Valid for three years)	$100.00 for first well maintenance inspection		**$100.00**
Each Additional New Well	$160.00 for each additional well installation	___ x **$160.00**	____
	$30.00 for each additional well maintenance inspection	___ x **$30.00**	____
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)*	$186.00 for the first boring ..... $50.00 for each additional boring	1 x **$186.00** 4 x **$50.00**	186.00 200.00
Permit for Well Destructions Only	$186.00 for the first destruction ..... $120.00 for each additional destruction ...	___ x **$186.00** ___ x **$120.00**	
Permit for any Combination of Well Installations, Borings, & Destructions (*except UST backfill permit*)	The first activity will be $186.00 **Additional activities will be as follows:**	___ x **$186.00**	____
	$160.00 for each additional well ..... $100.00 for first well maintenance inspection	___ x **$160.00** ___ x **$100.00**	____ ____
	$ 30.00 for each additional well maintenance inspection	___ x **$ 30.00**	____
	$120.00 for each well destruction $ 50.00 for each additional boring	___ x **$120.00** ___ x **$ 50.00**	____ ____
Permit for Underground Storage Tank Monitoring System in Backfill *(i.e. Enhanced Leak Detection)*	**$320.00 (Flat Fee)**		$____
	TOTAL COST OF PERMIT		$386.00

H. **QUESTIONNAIRE: Please answer all applicable questions completely.** ***For well destructions, complete only #1 below and submit any required supportive documentation.***

1. If wells are to be destroyed, provide a description of method of destruction N/A NO WELLS ARE TO BE DESTROYED

2. What is the purpose of the well/boring investigation?

   ☐ a. Part of an ongoing site assessment case in which DEH or another government regulator is the lead agency.

   ☐ b. Part of a Phase I investigation for property ownership transfer or: _____

   ☒ c. Geotechnical investigation for proposed construction, land stabilization or:

   ☐ d. Other: _____

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?
   BACKFILL WITH BENTONITE GROUT AND/OR CHIPS AND PROVIDE 3-FOOT THICK CONCRETE SEAL AT THE SURFACE PER SAM MANUAL REQUIREMENTS

4. What field procedures will be utilized to determine if contamination exists?
   PHYSICAL OBSERVATIONS (DISCOLORATION OF SOIL AND ODOR)

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?
   NONE PROPOSED, HOWEVER, IF PHYSICAL SIGNS OF CONTAMINATION ARE DETECTED, THE PROJECT SCOPE OF WORK WILL BE RE-EVALUATED WITH THE CLIENT

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)?
   NONE PROPOSED. SEE #5

7. How will samples be transported and preserved? N/A

8. What sampling methods will be used? MODIFIED CALIFORNIA SAMPLER AND STANDARD PENETROMETER

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction or destruction of Vadose and Groundwater Monitoring Wells (Current SAM Manual Requirements)? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (http://www/sdcounty.ca.gov/deh/lwq/sam/monitoring_well.html). :Yes ☐ No ☒
   NO MONITORING WELLS ARE PROPOSED

10. Are you proposing a variation in drilling and destruction of soil borings from the methods and/or procedures specified in the current SAM manual? If yes, specify these variations and *include a destruction diagram.*
    Yes ☐ No ☒

11. What procedures will be used to ensure that the drilling equipment will introduce no contamination?
    INSPECT DRILLING EQUIPMENT & FOR FLUID LEAKS, INSPECT AUGER FOR CONTAMINANTS. DRILLING WILL NOT COMMENCE IF CONTAMINANTS EXIST

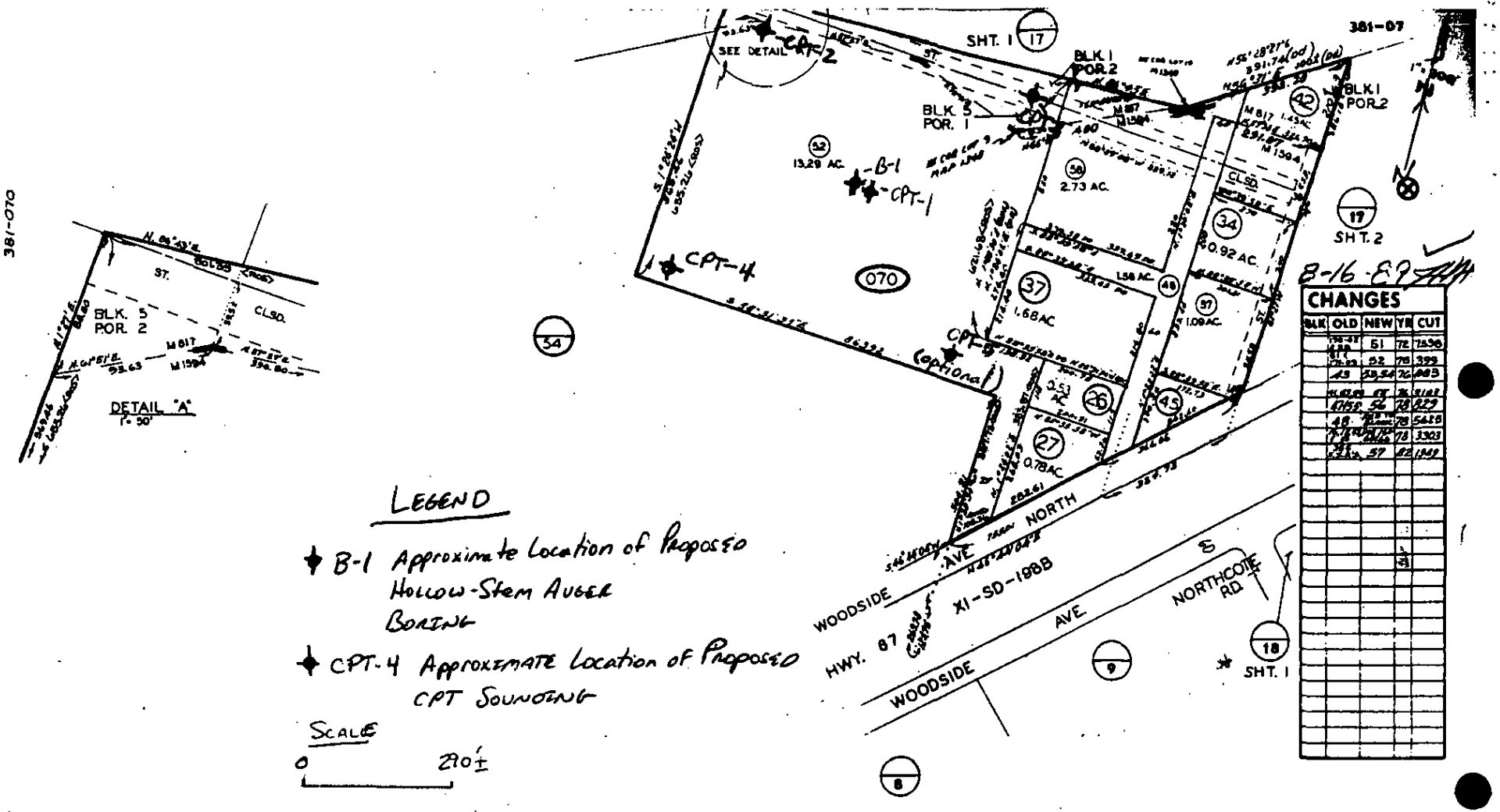
12. What methods will be used to clean sampling equipment? NO DECONTAMINATION IS PLANNED (SEE #10) UNLESS PHYSICAL SIGNS OF CONTAMINATION ARE DETECTED

13. What cleaning method will be used to clean casing and screen prior to installation? WELL INSTALLATION IS NOT PROPOSED

14. A property owner consent agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties. If a consent agreement is required, how has the property owner been notified of the proposed work?

A. ☒ The attached Property Owner Consent form. VIA FAX

B. ☐ The attached consent agreement between the responsible party and the property owner with a cover letter signed by the registered professional who signed the permit application.



SAN DIEGO COUNTY
ASSESSOR'S MAP
BOOK 381 PAGE 07 MAPPED FOR ASSESSMENT PURPOSES ONLY

MAP 1594 - STEVENS & HARTLEYS ALFALFA LANDS RESUB LOTS 1-19 - POR
MAP 817 - RANCHO EL CAJON LOTS H & O - POR BLKS 1 & 5
ROS 11770, 12197

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2210/1-800-253-9933
www.sdcounty.ca.gov/deh/lwq

JACK MILLER
ASSISTANT DIRECTOR

PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address:
10900 WOODSIDE AVE.
10900 Woodside Avenue
SANTEE, CA
Santee, CA 92071 92071

Assessor's Parcel Number (APN):
381-070-52 381-070-52

I, SUSAN FORTE BOYD, owner of the property/properties listed above, give my permission to GeoSoils Inc. GeoSoils Inc. (consulting company, contractor) to conduct the following work at the locations stated above.

☐ Install ____ monitoring wells ☐ Destroy ____ monitoring wells ☒ Drill 5 soil borings

I understand that Andrew T. Guatelli (registered professional) of GeoSoils, Inc. (consulting company) and an authorized signer for Test America Drilling Corp. (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current EAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring wells/borings.

Property Owner Signature: Susan Forte Boyd Date: 11/16/07

Print Name: SUSAN FORTE BOYD Title: GENERAL PARTNER

Company: FORTE FAMILY LIMITED PARTNERSHIP

Mailing Address: 33641 HOLTZ HILL, DANA POINT, CA 92629

GeoSoils, Inc.

Geotechnical • Geologic • Coastal • Environmental

5741 Palmer Way • Carlsbad, California 92010 • (760) 438-3155 • FAX (760) 931-0915

July 11, 2008

W.O. 5573-A-SC

County of San Diego
Department of Environmental Health
Land and Water Quality Division
P.O. Box 129261
San Diego, California 92112-9261

Attention: Ms. Marisue Crystal

Subject: Geotechnical Boring Log Submission, Permit No. LMON105332, 10990 North Woodside Avenue, APN 310-070-52-00, City of Santee, San Diego County, California

Dear Ms. Crystal:

In accordance with criteria presented in the San Diego County, Site Assessment and Mitigation Program (SAM) Manual, GeoSoils, Inc. (GSI), is submitting our geotechnical boring logs (attached) for subsurface exploration completed at the subject site on December 12 and 18, 2008, under the purview of DEH Permit No. LMON105332. One (1) hollow-stem auger boring and four (4) cone penetration tests (CPTs) were performed. The hollow-stem auger diameter was 8 inches. The CPT diameter was 1.75 inches. No petroleum odors nor soil staining were encountered in our borings. Accordingly, no chemical laboratory analyses were performed. Groundwater was encountered in all borings at an approximate depth of 24 feet below the surface. The approximate locations of the borings are shown on the Boring Location Map (see the attached Figure 1).

Boring B-1 was backfilled with approximately 3 cubic yards of bentonite grout. Cone Penetration Test CPT-1 was backfilled with approximately 0.14 cubic yards of bentonite chips. Cone Penetration Test CPT-2 was backfilled with approximately 0.12 cubic yards of bentonite chips. Cone Penetration Test CPT-3 was backfilled with approximately 0.13 cubic yards of bentonite chips, and Cone Penetration Test CPT-4 was backfilled with approximately 0.14 cubic yards of bentonite chips. The boring and CPT destruction was completed in general accordance with Department of Water Resources Bulletin 74-90.

If you should have any questions, please do not hesitate to contact our office.

Respectfully submitted,

GeoSoils, Inc.

Ryan Boehmer
Project Geologist

Andrew T. Guatelli
Geotechnical Engineer, GE 2320

REGISTERED PROFESSIONAL ENGINEER
ANDREW T. GUATELLI
No. GE2320
Exp. 12/09
GEOTECHNICAL
STATE OF CALIFORNIA

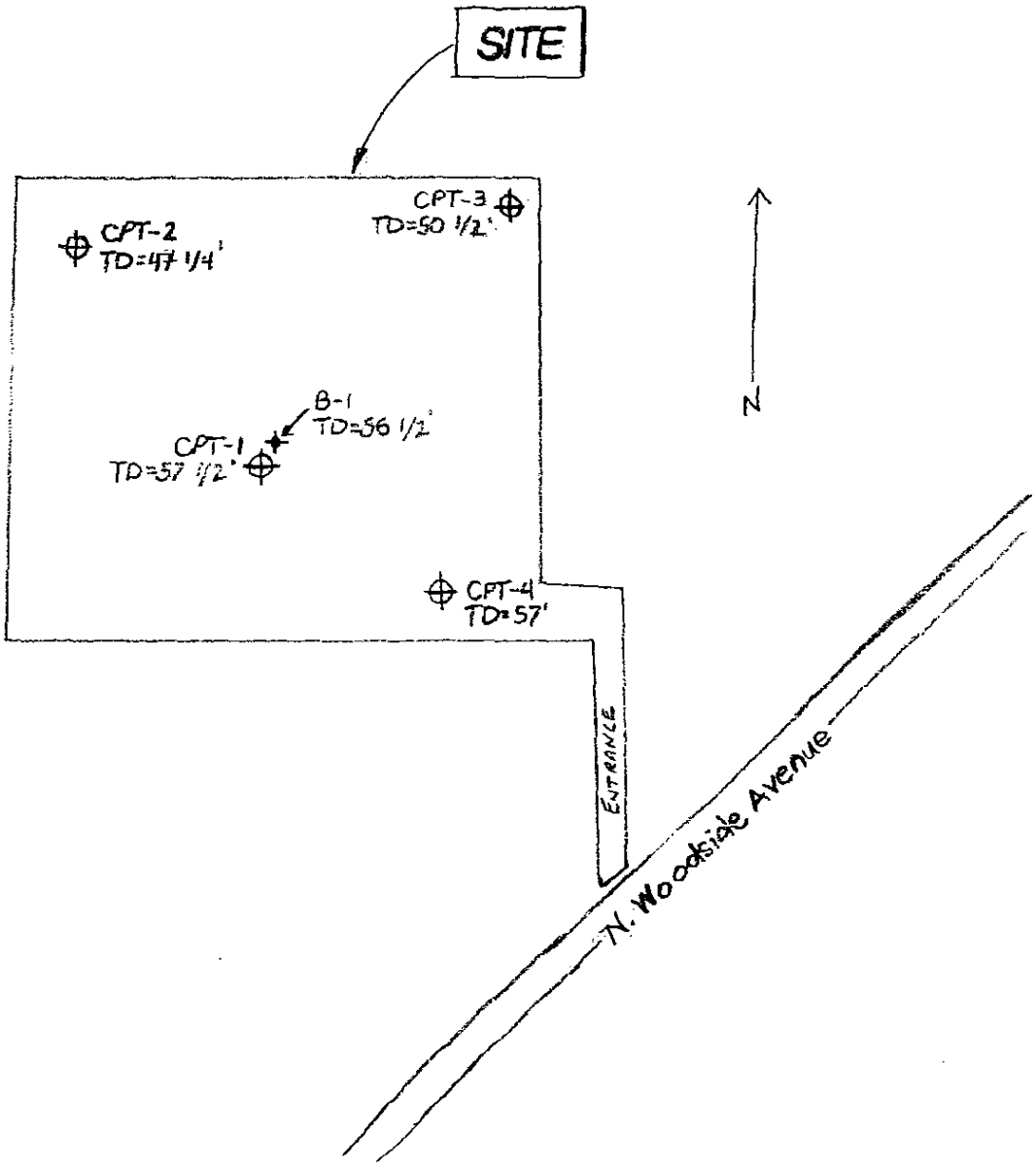
RB/ATG/JPF/jh

Attachments: Driller's Signature
Figure 1 - Boring Location Map
Boring and Cone Penetration Test Logs B-1 and CPT-1 through CPT-4

Distribution: (1) Addressee (wet signed)

BORING LOCATION MAP

PERMIT No. LMON 105332



LEGEND

- B-1 - Approximate Location of Hollow-stem auger boring
- CPT-4 - Approximate Location of Cone Penetration Test (CPT)

SCALE

0 300'

1" = 300'

GeoSoils, Inc.

FIGURE 1

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions			Group Symbols	Typical Names
Coarse-Grained Soils More than 50% retained on No. 200 sieve	Gravels 50% or more of coarse fraction retained on No. 4 sieve	Clean Gravels	GW	Well-graded gravels and gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels and gravel-sand mixtures, little or no fines
		Gravel with	GM	Silty gravels gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	Sands more than 50% of coarse fraction passes No. 4 sieve	Clean Sands	SW	Well-graded sands and gravelly sands, little or no fines
			SP	Poorly graded sands and gravelly sands, little or no fines
		Sands with Fines	SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, sand-clay mixtures
Fine-Grained Soils 50% or more passes No. 200 sieve	Silts and Clays Liquid limit 50% or less		ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silty clays of low plasticity
	Silts and Clays Liquid limit greater than 50%		MH	Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity
Highly Organic Soils			PT	Peat, mucic, and other highly organic soils

CONSISTENCY OR RELATIVE DENSITY

CRITERIA

Standard Penetration Test

Penetration Resistance N (blows/ft)	Relative Density
0 - 4	Very loose
4 - 10	Loose
10 - 30	Medium
30 - 50	Dense
> 50	Very dense

Standard Penetration Test

Penetration Resistance N (blows/ft)	Consistency	Unconfined Compressive Strength (tons/ft²)
<2	Very Soft	<0.25
2 - 4	Soft	0.25 - .050
4 - 8	Medium	0.50 - 1.00
8 - 15	Stiff	1.00 - 2.00
15 - 30	Very Stiff	2.00 - 4.00
>30	Hard	>4.00

3" 3/4" #4 #10 #40 #200 U.S. Standard Sieve

Unified Soil Classification	Cobbles	Gravel		Sand			Silt or Clay
		coarse	fine	coarse	medium	fine	

MOISTURE CONDITIONS

Dry	Absence of moisture: dusty, dry to the touch
Slightly Moist	Below optimum moisture content for compaction
Moist	Near optimum moisture content
Very Moist	Above optimum moisture content
Wet	Visible free water; below water table

MATERIAL QUANTITY

trace	0 - 5 %
few	5 - 10 %
little	10 - 25 %
some	25 - 45 %

OTHER SYMBOLS

C Core Sample
S SPT Sample
B Bulk Sample
▼ Groundwater
Qp Pocket Penetrometer

BASIC LOG FORMAT:
Group name, Group symbol, (grain size), color, moisture, consistency or relative density. Additional comments: odor, presence of roots, mica, gypsum, coarse grained particles, etc.

EXAMPLE:
Sand (SP), fine to medium grained, brown, moist, loose, trace silt, little fine gravel, few cobbles up to 4" in size, some hair roots and rootlets.

BORING LOG

GeoSoils, Inc.

W.O. 5573-A-SC

PROJECT: ZC CAPITAL PARTNERS, LLC
APN 381-070-52-00

BORING B-1 SHEET 1 OF 2

DATE EXCAVATED 12-12-07

SAMPLE METHOD: Modified California Sampler and Standard Penetration Test

Approx. Elevation: ~360' MSL

Standard Penetration Test

Undisturbed, Ring Sample

Groundwater

Depth (ft.)	Sample: Bulk	Sample: Undisturbed	Blows/ft.	USCS Symbol	Dry Unit Wt. (pcf)	Moisture (%)	Saturation (%)	Description of Material
				SM SP				**AC PAVEMENT SECTION:** @ 0' ASPHALTIC CONCRETE. @ 1/8' SILTY SAND, brown, moist, loose. **UNDOCUMENTED ARTIFICIAL FILL:** @ 3/8' SAND w/minor SILT, gray, dry, loose; fine to medium grained.
5			5	SP/ML	99.9	3.3	13.2	**QUATERNARY ALLUVIUM:** @ 5' SAND, gray to reddish brown, dry, loose; fine to coarse grained to SANDY SILT, mottled gray and reddish brown, moist, medium stiff; iron-oxide staining.
10			27					@ 10' Interbedded SAND and SANDY SILT, grayish brown to brown, damp to moist, medium dense/very stiff.
15			31	SP	92.4	7.2	24.1	@ 15' SAND w/minor SILT, gray, dry, medium dense; fine grained.
20			29					@ 20' SAND w/minor SILT, gray, moist, medium dense; fine grained.
								@ 24' Groundwater Encountered.
25			13	CL/SW	93.9	31.6	100	@ 25' SANDY CLAY, brown, saturated, stiff to SAND, gray saturated, medium dense; fine to coarse grained.

BORING LOG

GeoSoils, Inc.

W.O. 5573-A-SC

PROJECT: ZC CAPITAL PARTNERS, LLC
APN 381-070-52-00

BORING B-1 SHEET 2 OF 2

DATE EXCAVATED 12-12-07

SAMPLE METHOD: Modified California Sampler and Standard Penetration Test

Approx. Elevation: ~360' MSL

Standard Penetration Test

Undisturbed, Ring Sample

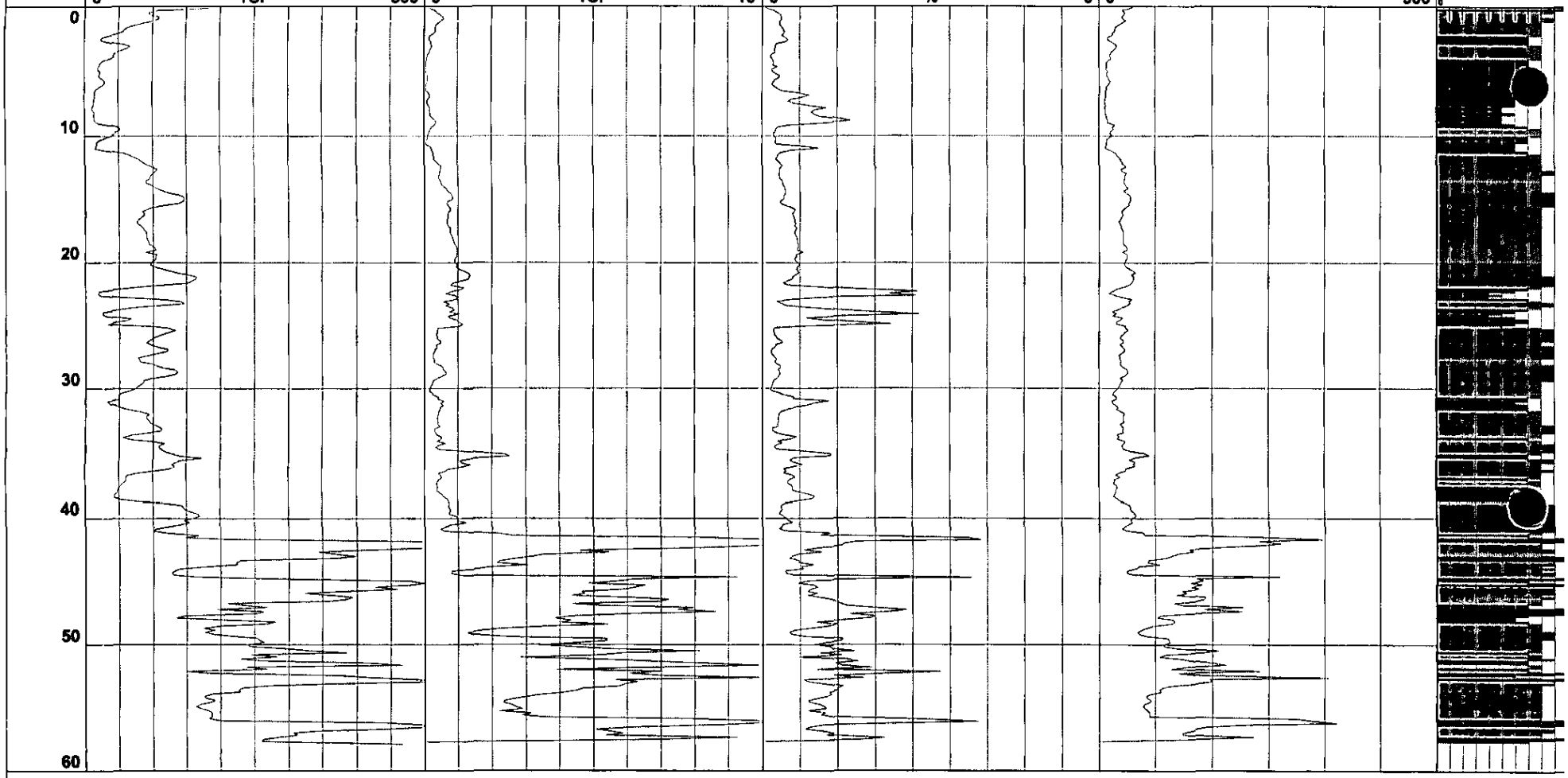
Groundwater

Depth (ft.)	Sample: Bulk	Sample: Undisturbed	Sample: Blows/ft.	USCS Symbol	Dry Unit Wt. (pcf)	Moisture (%)	Saturation (%)	Description of Material
			26	SW				@ 30' SAND w/minor SILT, gray, wet, medium dense; fine to coarse grained.
35			33		110.5	16.8	89.2	@ 35' SAND, gray, wet, medium dense; fine to coarse grained.
40			8					@ 40' SAND, gray, wet, medium dense; fine to coarse grained.
								@ 42' Gravels Encountered.
45			50-4"					@ 45' No recovery (possibly due to gravel).
50			23/ 50-5"	SM				**QUATERNARY FAN DEPOSITS (PLEISTOCENE):** @ 50' SILTY SAND w/minor CLAY, reddish yellow to gray, wet, dense; trace rounded pebbles, moderately indurated, iron-oxide staining.
55			50-6"					@ 55' SILTY SAND w/minor CLAY, reddish yellow to gray, wet, dense; trace subangular to subrounded pebble- to cobble-sized clasts, moderately indurated, iron-oxide staining.
								Practical Refusal @ 56½'
								Groundwater Encountered @ 24'
								Heaving Sand Encountered @ 35'
								Backfilled 12-12-2007

GeoSoils Inc

Location	Santee Drive Inn	Operator	ML/JH	Filename	SDF(497).cpt
Job Number	5573-A-SC	Cone Number	DSG1047	GPS	
Hole Number	CPT-01	Date and Time	12/18/2007 8:48:19 AM	Maximum Depth	57.91 ft
Water Table Depth		24.00 ft		Elevation	

CPT DATA

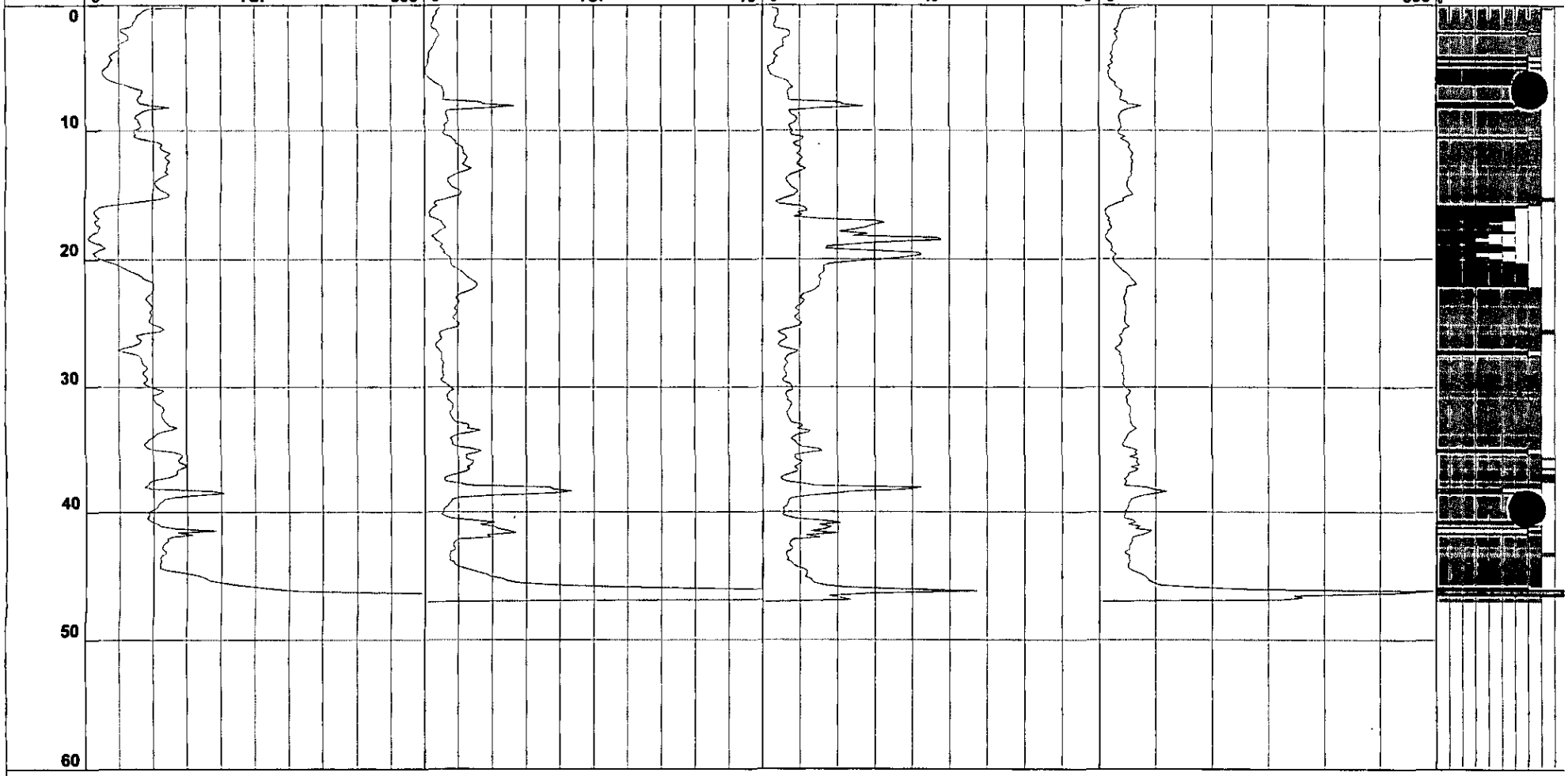


- 1 - sensitive fine grained
- 2 - organic material
- 3 - clay
- 4 - silty clay to clay
- 5 - clayey silt to silty clay
- 6 - sandy silt to clayey silt
- 7 - silty sand to sandy silt
- 8 - sand to silty sand
- 9 - sand
- 10 - gravelly sand to sand
- 11 - very stiff fine grained (*)
- 12 - sand to clayey sand (*)

GeoSoils Inc

Location	Santee Drive Inn	Operator	ML/JH	Filename	SDF(498).cpt
Job Number	5573-A-SC	Cone Number	DSG1047	GPS	
Hole Number	CPT-02	Date and Time	12/18/2007 9:48:33 AM	Maximum Depth	47.24 ft
Water Table Depth	24.00 ft			Elevation	

CPT DATA

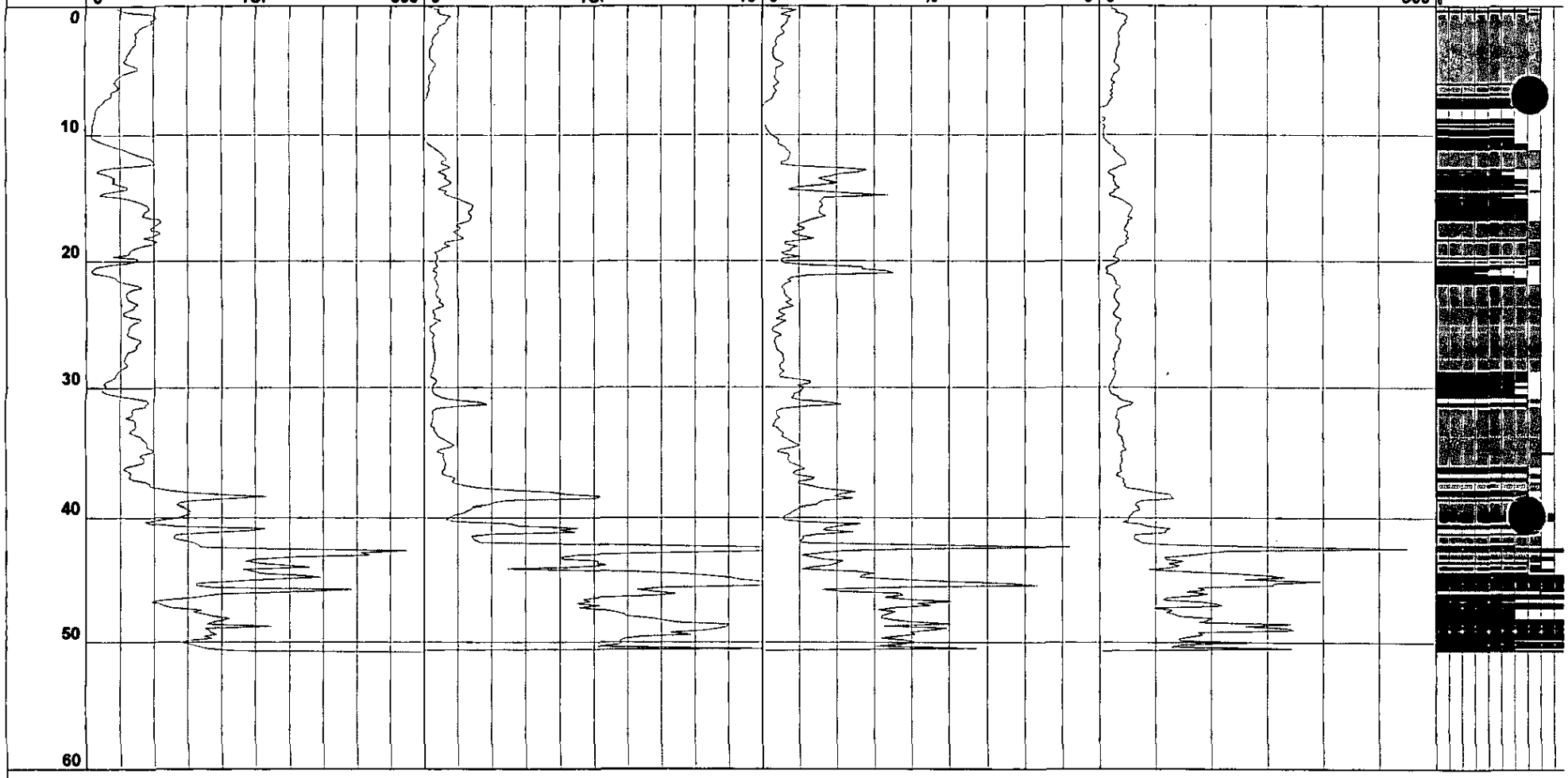


- 1 - sensitive fine grained
- 2 - organic material
- 3 - clay
- 4 - silty clay to clay
- 5 - clayey silt to silty clay
- 6 - sandy silt to clayey silt
- 7 - silty sand to sandy silt
- 8 - sand to silty sand
- 9 - sand
- 10 - gravelly sand to sand
- 11 - very stiff fine grained (*)
- 12 - sand to clayey sand (*)

GeoSoils Inc

Location	Santee Drive Inn	Operator	ML/JH	Filename	SDF(499).cpt
Job Number	5573-A-SC	Cone Number	DSG1047	GPS	
Hole Number	CPT-03	Date and Time	12/18/2007 10:36:01 AM	Maximum Depth	50.85 ft
Water Table Depth		24.00 ft		Elevation	

CPT DATA



- 1 - sensitive fine grained
- 2 - organic material
- 3 - clay
- 4 - silty clay to clay
- 5 - clayey silt to silty clay
- 6 - sandy silt to clayey silt
- 7 - silty sand to sandy silt
- 8 - sand to silty sand
- 9 - sand
- 10 - gravelly sand to sand
- 11 - very stiff fine grained (*)
- 12 - sand to clayey sand (*)

GeoSoils Inc

Location	Santee Drive Inn	Operator	MLJH	Filename	SDF(500).cpt
Job Number	5573-A-SC	Cone Number	DSG1047	GPS	
Hole Number	CPT-04	Date and Time	12/18/2007 11:30:16 AM	Maximum Depth	57.09 ft
Water Table Depth	24.00 ft			Elevation	

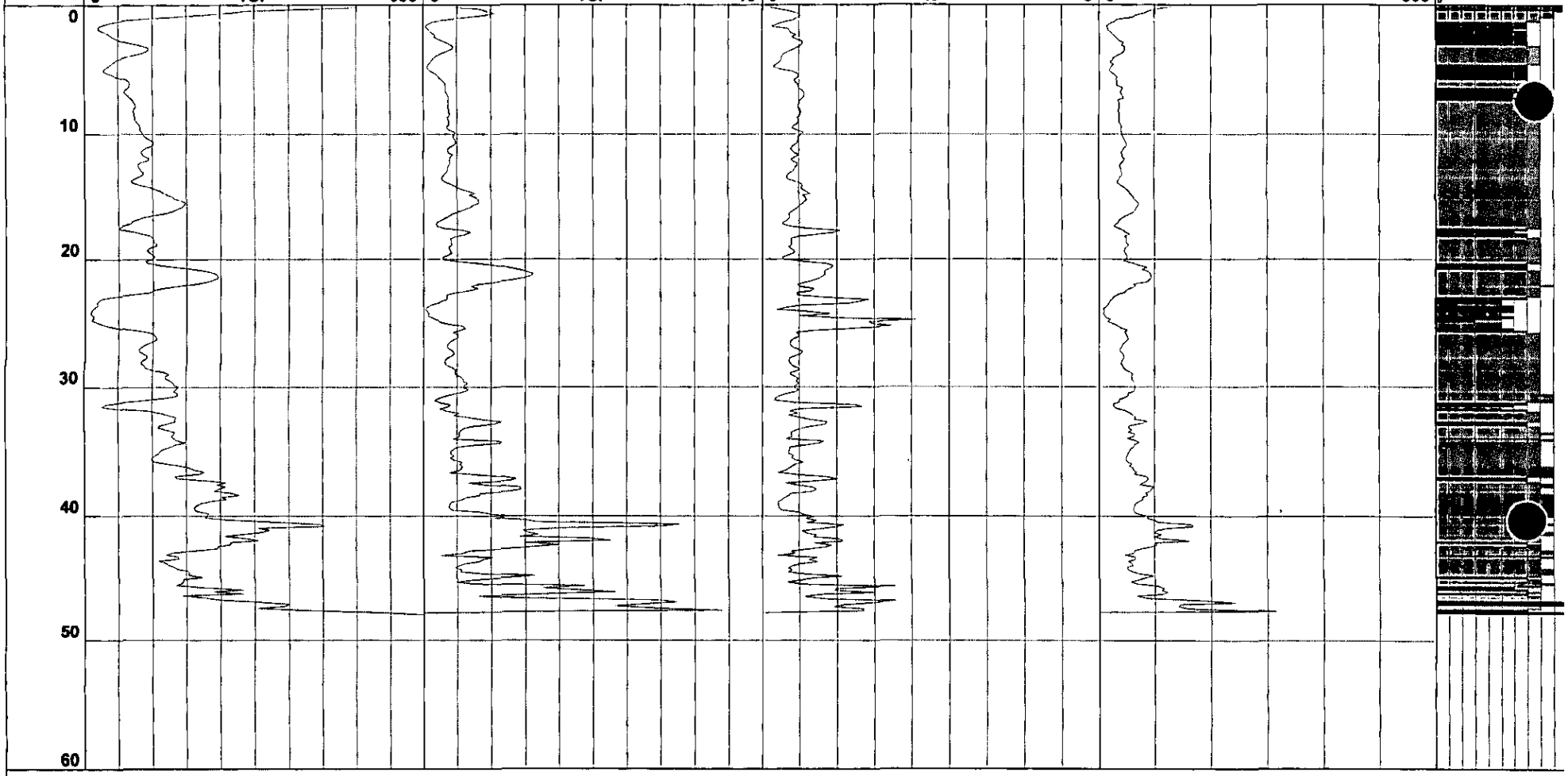
CPT DATA

- 1 - sensitive fine grained
- 2 - organic material
- 3 - clay
- 4 - silty clay to clay
- 5 - clayey silt to silty clay
- 6 - sandy silt to clayey silt
- 7 - silty sand to sandy silt
- 8 - sand to silty sand
- 9 - sand
- 10 - gravelly sand to sand
- 11 - very stiff fine grained (*)
- 12 - sand to clayey sand (*)

GeoSoils Inc

Location	Santee Drive Inn	Operator	ML/JH	Filename	SDF(501).cpt
Job Number	5573-A-SC	Cone Number	DSG1047	GPS	
Hole Number	CPT-05	Date and Time	12/18/2007 12:19:43 PM	Maximum Depth	47.90 ft
Water Table Depth		24.00 ft		Elevation	

CPT DATA



- 1 - sensitive fine grained
- 2 - organic material
- 3 - clay
- 4 - silty clay to clay
- 5 - clayey silt to silty clay
- 6 - sandy silt to clayey silt
- 7 - silty sand to sandy silt
- 8 - sand to silty sand
- 9 - sand
- 10 - gravelly sand to sand
- 11 - very stiff fine grained (*)
- 12 - sand to clayey sand (*)

PERMIT #LMON106162
A.P.N. #381-070-52
EST #NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM

GEOTECHNICAL BORING CONSTRUCTION PERMIT

SITE NAME: SANTEE DRIVE INN

SITE ADDRESS: 10990 NORTH WOODSIDE AVE., SANTEE CA 92071

PERMIT FOR: **ONE GEOTECHNICAL SOIL BORING**

PERMIT APPROVAL DATE: DECEMBER 18, 2008

PERMIT EXPIRES ON: APRIL 17, 2009

RESPONSIBLE PARTY: FORTE FAMILY LIMITED PARTNERSHIP

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

2. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

3. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, E- 4. **(http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html).** In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

4. **This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH.** Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

5. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.

APPROVED BY Amelia Cesena AMELIA CESEÑA Date: 12.18.2008

NOTIFIED: emailed 12/18/08

DEH:SAM-9075

RECEIVED
DEC 15 2008
ENVIRONMENTAL HEALTH

T106162

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMON # 106162
SAM CASE Y/N # None
DATE RECEIVED: 12-15-08
FEE PAID: $193-
CHECK # 29777

A. RESPONSIBLE PARTY FORTE FAMILY LIMITED PARTNERSHIP (SUSAN FORTE BOYD) E-mail _____
(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)
Mailing Address 33621 HOLTE HILL City DANA POINT State CA Zip 92629
Contact Person SUSAN FORTE BOYD Phone (949) 481-8502 Ext. _____ Fax (949) 481-8502

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # _____

C. CONSULTING FIRM GEOSOILS, INC.
Mailing Address 5741 PALMER WAY City CARLSBAD State CA Zip 92010
Registered Professional ROBERT G. CRISMAN Registration # 6063 (RG)
E-mail rgcrisman@geosoilsinc.com
Contact Person ROBERT CRISMAN / RYAN BOEHMER Phone (760) 438-3155 Ext. _____ Fax (760) 931-0915

D. DRILLING COMPANY SCOTT'S DRILLING SERVICE C57# 713741
Contact Name SCOTT L. BALL E-mail SCOTTSDRILLING@COX.NET
Mailing Address 271 ROYMAR RD SUITE D City OCEANSIDE State CA Zip 92058
Phone 760-966-1613 Fax 760-433-1614

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	___
☐ Vadose	___
☒ Boring	1
☐ Other	___

NUMBER OF WELLS TO BE DESTROYED

☐ ___

MATERIALS TO BE USED

CASING
Not Applicable _____
Type _____
Gauge _____
Diameter _____
Well Screen Size _____
Filter Pack _____

SEAL/BORING BACKFILL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other
Borehole diameter 8-INCH

Drilling Method
☐ Auger ☐ Air Rotary
☐ Mud Rotary ☐ Other
☐ Percussion

PROPOSED CONSTRUCTION
Estimated groundwater depth: 25 ft.
Estimated depth of boring 50-60 ft.
Perforation _____ to _____

NOTE:
Attach a well construction diagram for wells with multiple completions

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE _____ DATE 12/12/08

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk with a complete and accurate well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

RG/RCE/CEG SIGNATURE _____ DATE 12-12-08

F. SITE INFORMATION

1. **ASSESSOR'S PARCEL NUMBER** 381-070-52

Site Name SANTEE DRIVE-IN

Site Address 10990 NORTH WOODSIDE AVE. City SANTEE Zip 92071

PROPERTY OWNER SUSAN BOYD (FORTE FAMILY LIMITED PARTNERSHIP)

Phone (949) 481-8502 Ext. _____ Fax (949) 481-8502

Mailing Address 33621 HOLTZ HILL City DANA POINT State CA Zip 92629

NUMBER OF ~~WELLS~~ BORINGS 1 **TYPE OF ~~WELLS~~** BORING HOLLOW-STEM AUGER

2. **ASSESSOR'S PARCEL NUMBER** _____

Site Name _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

3. **ASSESSOR'S PARCEL NUMBER** _____

Site Name _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

4. **ASSESSOR'S PARCEL NUMBER** _____

Site Name _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

G. FEES (in effect beginning July 1, 2008, through June 30, 2009)

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	$193.00 for the first monitoring well	**$193.00**
Permit for Well Maintenance Inspection (Valid for three years)	$100.00 for first well maintenance inspection	**$100.00**
Each Additional New Well	$160.00 for each additional well installation	___ x **$160.00** _____
	$30.00 for each additional well maintenance inspection	___ x **$ 30.00** _____
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)*	$193.00 for the first boring	1 x **$193.00** $ 193.00
	$50.00 for each additional boring	___ x **$ 50.00** _____
Permit for Well Destructions Only	$193.00 for the first destruction	___ x **$193.00**
	$120.00 for each additional destruction ...	___ x **$120.00**
Permit for any Combination of Well Installations, Borings, & Destructions (*except UST backfill permit*)	The first activity will be $193.00	___ x **$193.00** _____
	Additional activities will be as follows:	
	$160.00 for each additional well	___ x **$160.00** _____
	$100.00 for first well maintenance inspection	___ x **$100.00** _____
	$ 30.00 for each additional well maintenance inspection	___ x **$ 30.00** _____
	$120.00 for each well destruction	___ x **$120.00** _____
	$ 50.00 for each additional boring	___ x **$ 50.00** _____
Permit for Underground Storage Tank Monitoring System in Backfill *(i.e. Enhanced Leak Detection)*	**$320.00 (Flat Fee)**	$_____
	TOTAL COST OF PERMIT	$ 193.00

G. FEES (in effect beginning July 1, 2008, through June 30, 2009)

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	$193.00 for the first monitoring well	**$193.00**
Permit for Well Maintenance Inspection (Valid for three years)	$100.00 for first well maintenance inspection	**$100.00**
Each Additional New Well	$160.00 for each additional well installation	___ x **$160.00** _____
	$30.00 for each additional well maintenance inspection	___ x **$ 30.00** _____
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)*	$193.00 for the first boring	1 x **$193.00** $ 193.00
	$50.00 for each additional boring	___ x **$ 50.00** _____
Permit for Well Destructions Only	$193.00 for the first destruction	___ x **$193.00**
	$120.00 for each additional destruction ...	___ x **$120.00**
Permit for any Combination of Well Installations, Borings, & Destructions (except UST backfill permit)	The first activity will be $193.00	___ x **$193.00** _____
	Additional activities will be as follows:	
	$160.00 for each additional well	___ x **$160.00** _____
	$100.00 for first well maintenance inspection	___ x **$100.00** _____
	$ 30.00 for each additional well maintenance inspection	___ x **$ 30.00** _____
	$120.00 for each well destruction	___ x **$120.00** _____
	$ 50.00 for each additional boring	___ x **$ 50.00** _____
Permit for Underground Storage Tank Monitoring System in Backfill *(i.e. Enhanced Leak Detection)*	**$320.00 (Flat Fee)**	$_____
	TOTAL COST OF PERMIT	$ 193.00

H. **QUESTIONNAIRE: Please answer all applicable questions completely.** ***For well destructions, complete only #1 below and submit any required supportive documentation.***

1. If wells are to be destroyed, provide a description of method of destruction N/A No Wells Are To Be Destroyed

2. What is the purpose of the well/boring investigation?

   ☐ a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.

   _____ DEH _____ RWQCB _____ DTSC

   ☐ b. Part of a Phase I investigation for property ownership transfer or: _____

   ☒ c. Geotechnical investigation for proposed construction, land stabilization or:

   ☐ d. Other: _____

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?
   Backfill with Bentonite Grout and/or chips and Provide 3-Foot thick Concrete Seal at the Surface per SAM Manual Requirements

4. What field procedures will be utilized to determine if contamination exists?
   Physical Observations (Discoloration of Soil and Odor

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?
   None Proposed, However, if Physical Signs of Contamination are detected, the Project Scope of Work will be re-evaluated with the Client.

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)?
   None Proposed. See #5

7. How will samples be transported and preserved? N/A

8. What sampling methods will be used? Modified California Sampler and Standard Penetrometer

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction or destruction of Vadose and Groundwater Monitoring Wells (Current SAM Manual Requirements)? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (www.sdcdeh.org). Yes ☐ No ☒
   No Monitoring Wells are Proposed

10. Are you proposing a variation in drilling and destruction of soil borings from the methods and/or procedures specified in the current SAM manual? If yes, specify these variations and *include a destruction diagram.*
    Yes ☐ No ☒

11. What procedures will be used to ensure that the drilling equipment will introduce no contamination?
    Inspect Drilling Equipment for Fluid Leaks, Inspect Auger for Contaminants. Drilling will not commence if contamination is detected.

12. What methods will be used to clean sampling equipment? ~~Steam~~ No Decontamination is Planned (See #10) Unless Physical Signs of Contamination are detected.

13. What cleaning method will be used to clean casing and screen prior to installation? WELL INSTALLATION IS NOT PROPOSED.

14. A Property Owner Consent (POC) agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties.

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2315/1-800-253-9933
www.sdcounty.ca.gov/deh/lwq

JACK MILLER
ASSISTANT DIRECTOR

PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address: 10990 North Woodside Avenue, Santee, CA

Assessor's Parcel Number (APN): 381-070-52

I, _____, owner of the property/properties listed above, give my permission to GeoSoils, Inc / Scott's Drilling Co. (consulting company, contractor) to conduct the following work at the locations stated above.

☐ Install _____ monitoring wells ☐ Destroy _____ monitoring wells ☒ Drill 1 soil borings

I understand that Robert Crispian (registered professional) of GeoSoils, Inc. (consulting company) and an authorized signer for Scott's Drilling Co. (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring well(s)/borings.

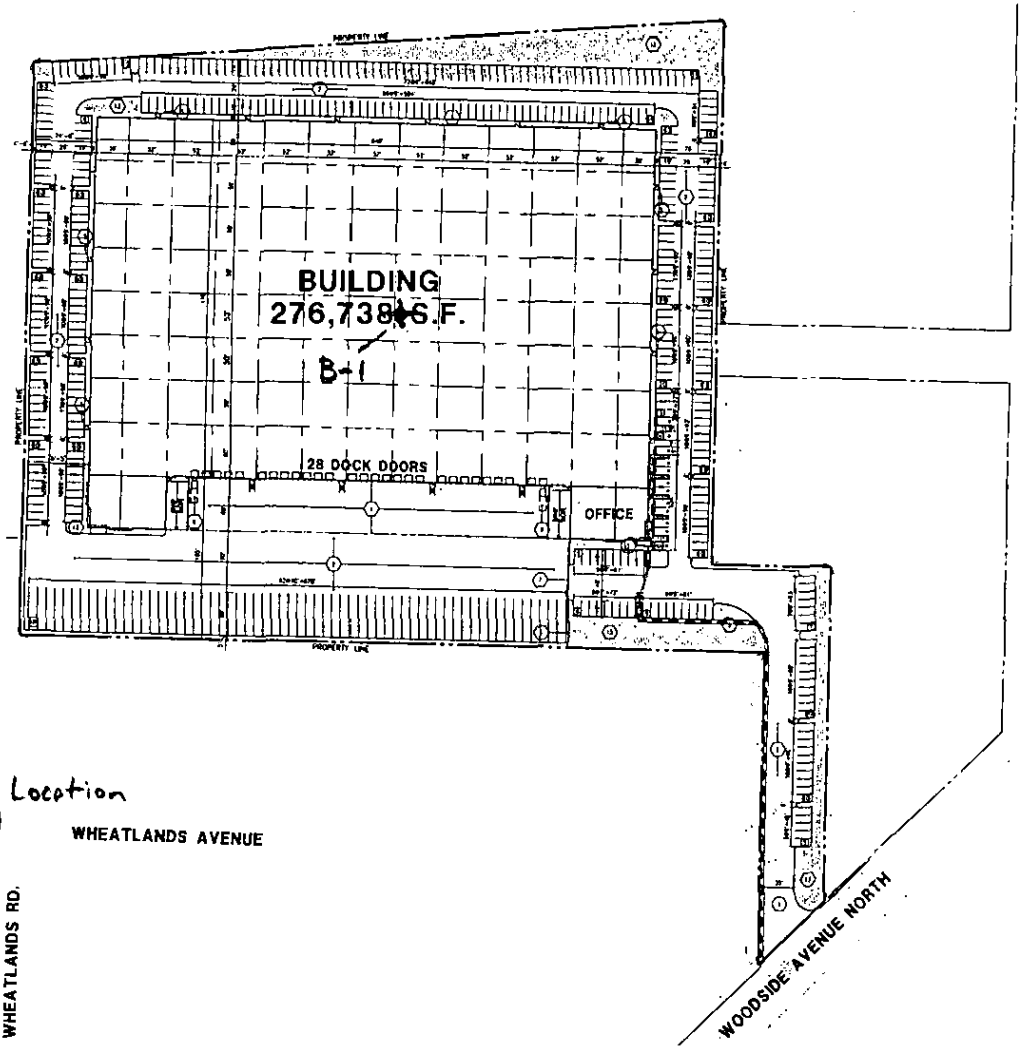
Property Owner Signature: Susan Boyd Date: 12/11/08

Print Name: Susan Boyd Title: General Partner

Company: Forte Family Limited Partnership

Mailing Address: 33671 Holtz Hill, Dana Point CA 92629

DEH:SAM-9503 (Rev. 5-07)



LEGEND

+ B-1 Approximate Location of Proposed Boring

PROJECT INFORMATION

Owner / Applicant

Applicant's Representative

Assessors Parcel Number
APN # 381-070-53

Zoning
ZONE: I-1

Legal Description

Code Analysis
CONSTRUCTION TYPE:
SPRINKLERED:

SITE PLAN KEYNOTES

1. HEAVY BROOM FINISH CONC. PAVEMENT.
2. ASPHALT CONCRETE (AC) Pavement
3. CONCRETE WALKWAY, MEDIUM BROOM FINISH.
4. EMPLOYEE APPROPS TO BE CONSTRUCTED PER "L" STANDARD.
5. 6'-0" H CONC. MASONRY SCREEN WALL
6. CONCRETE TILT-UP SCREEN WALL
7. PROVIDE 4" SCH 40 PVC CONDUIT FOR FUTURE CABLE TV SERVICE FROM BUILDING TO PUBLIC WAY OR DRIVE WAY W/ 1'-0" MIN. PULL BOX
8. 20' X 10' CONCRETE LOADING DOCK W/ 4'-0" WIDE X 2'-0" DEEP RECESSED DOCK LEVELER
9. 8'-0" H CHAIN LINK GATE W/ SLATS
10. 20' X 10' CONCRETE LOADING DOCK W/ 4'-0" WIDE X 2'-0" DEEP RECESSED DOCK LEVELER
11. 8'-0" H CHAIN LINK GATE W/ SLATS
12. 20' X 10' CONCRETE LOADING DOCK W/ 4'-0" WIDE X 2'-0" DEEP RECESSED DOCK LEVELER
13. 8'-0" H CHAIN LINK GATE W/ SLATS

DEH GIS

Legend

- SAM MWs
- SAM Environmental Listing
- Inactive HMD Permitted Facilities
- Active HMD Permitted Facilities
- Streets
- Highways
- Freeways
- Parcels
- County Boundary
- Cities
- 2007 Orthophoto South West
- 2007 Orthophoto South East

DEH

THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG.
This product may contain information which has been replicated with the permission granted by Thomas Brothers Maps.

Scale 1:2,650

San Diego County Department of Environmental Health

Copyright SanGIS. All Rights Reserved

Printed: Dec 15, 2008 2:46:17 PM

GeoSoils, Inc.

Geotechnical • Geologic • Coastal • Environmental

5741 Palmer Way • Carlsbad, California 92010 • (760) 438-3155 • FAX (760) 931-0915

April 30, 2009

W.O. 5823-A-SC

County of San Diego
Department of Environmental Health
Land and Water Quality Division
P.O. Box 129261
San Diego, California 92112-9261

Attention: Ms. Marisue Crystal

Subject: Geotechnical Boring Log Submission, Permit No. LMON106162, 10990 North Woodside Avenue, APN 310-070-52-00, City of Santee, San Diego County, California

Dear Ms. Crystal:

In accordance with criteria presented in the San Diego County, Site Assessment and Mitigation Program (SAM) Manual, GeoSoils, Inc. (GSI), is submitting our geotechnical boring log (attached) for subsurface exploration completed at the subject site on December 30, 2008 under the purview of DEH Permit No. LMON106162. One (1) hollow-stem auger boring was performed. The hollow-stem auger diameter was 8 inches. No petroleum odors nor soil staining were encountered in the boring. Accordingly, no chemical laboratory analyses were performed. Groundwater was encountered in the boring at an approximate depth of 23 feet below the surface. The approximate location of the boring is shown on the Boring Location Map (see the attached Figure 1).

Boring B-1 was backfilled with approximately 17.6 cubic feet of bentonite grout. The boring was completed in general accordance with Department of Water Resources Bulletin 74-90.

If you should have any questions, please do not hesitate to contact our office.

Respectfully submitted,

GeoSoils, Inc.

Ryan Boehmer
Project Geologist

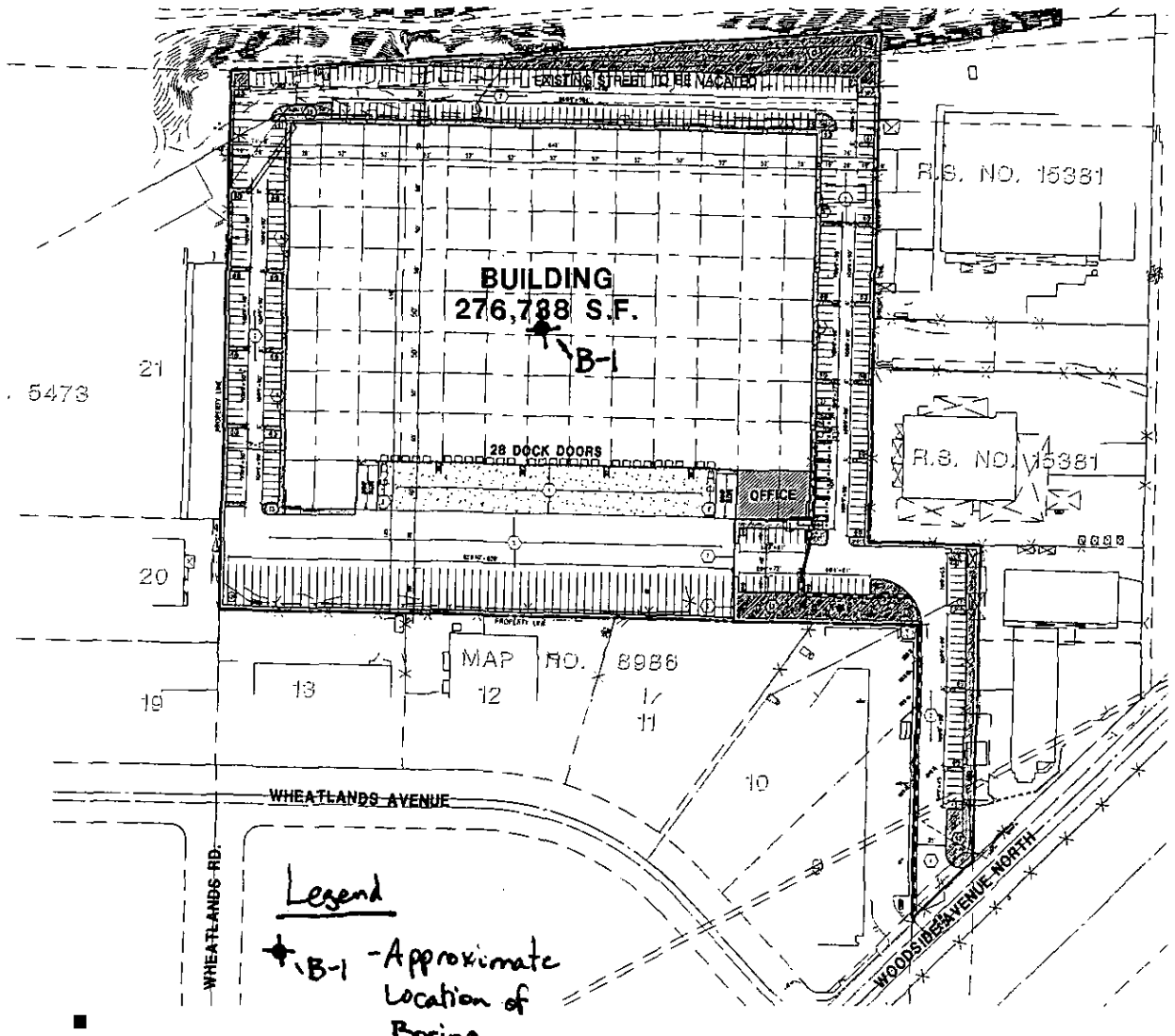
Robert G. Crisman
Engineering Geologist, CEG 1934

PROFESSIONAL GEOLOGIST
ROBERT G. CRISMAN
No. 1934
Certified
Engineering
Geologist
STATE OF CALIFORNIA

RB/RGC/JPF/jh

Attachments: Figure 1 - Boring Location Map
Boring Log B-1

Distribution: (1) Addressee (wet signed)



PROJECT INFORMATION

Owner / Applicant / Applicant's Representative

Assessors Parcel Number

Legal Description

Code Analysis

SITE PLAN KEYNOTES

SITE LEGEND

TABULATION

	Building
Site Area	
In square feet	597,675
In acres	13.48
Building Area	
office	5,000
warehouse	271,738
Total Building Area	276,738
Coverage	47.1%
Landscape (18% of parking/circulation area)	31,084
Landscape Provided	65,884
Coverage	21.1%
Parking Required	
office @ 1 space/250 sf	20
warehouse @ 1 space/500 sf	543
Total Parking Required	563
Parking Provided	
standard stalls	405
handicap stalls	12
Total Auto Stalls Provided	417
trailer stalls	62
Total Parking Provided	479
trailer substituted with auto stalls	152
Total Auto Parking Provided	569

north

HPA

16531 Bardeen Ave. - Ste. #100
Irvine, CA 92612
(949) 863-1770
www.hparchs.com

Woodside Business Park

Santee, California

A1.1 SITE PLAN
FLP - SUSAN BOYD

SEPTEMBER 29, 2008 / Job #8195

Figure 1

BORING LOG

GeoSoils, Inc.

W.O. 5823-A-SC

PROJECT: FORTE FAMILY LIMITED PARTNERSHIP
APN 381-070-52, Santee

BORING B-1 SHEET 1 OF 2

DATE EXCAVATED 12-30-08 LOGGED BY: BEV

SAMPLE METHOD: Standard Penetration/Modified Cal Sampler

Approx. Elevation: 355' MSL

▨ Standard Penetration Test

▨ Undisturbed, Ring Sample

▽ Groundwater

Depth (ft.)	Sample: Bulk	Sample: Undisturbed	Sample: Blows/ft.	USCS Symbol	Dry Unit Wt. (pcf)	Moisture (%)	Saturation (%)	Description of Material
	■			SP				**SURFACE:** @ 0' Asphaltic Concrete Pavement. **UNDOCUMENTED ARTIFICIAL FILL:** @ 1/12' SAND with traces of SILT, gray, dry, loose; fine to medium grained.
5		▨	7	SP	91.8	2.5	8.4	**QUATERNARY ALLUVIUM:** @ 5' SAND, light brown, dry, loose; fine to coarse grained, moist, loose, iron-oxide staining.
10		▨	7	SM/SP				@ 10' Interbedded SAND and SANDY SILT, light brown, damp to moist, medium dense.
15		▨	32		99.3	3.9	15.4	@ 15' SAND with traces of SILT, gray, moist, medium dense, fine to coarse grained.
				ML/SM				@ 16' SILT interbed.
20		▨	7					@ 20' SILT with traces of SAND, brown, moist to wet, medium dense.
▽								@ 23' Groundwater encountered.
25		▨	33	SW	103.0	21.8	95.4	@ 25' SAND, light brown, saturated, medium dense; fine to coarse grained.

BORING LOG

GeoSoils, Inc.

W.O. 5823-A-SC

PROJECT: FORTE FAMILY LIMITED PARTNERSHIP
APN 381-070-52, Santee

BORING B-1 SHEET 2 OF 2

DATE EXCAVATED 12-30-08 LOGGED BY: BEV

SAMPLE METHOD: Standard Penetration/Modified Cal Sampler

Approx. Elevation: 355' MSL

Standard Penetration Test

Undisturbed, Ring Sample

Groundwater

Depth (ft.)	Sample: Bulk	Sample: Undisturbed	Sample: Blows/ft.	USCS Symbol	Dry Unit Wt. (pcf)	Moisture (%)	Saturation (%)	Description of Material
			26	SW				@ 30' SAND traces of SILT, light brown, saturated, medium dense; fine to coarse grained.
35			12					@ 35' SAND, light brown, saturated, medium dense; medium to coarse grained.
40			20	SM/SP				@ 40' SAND with traces of SILT, brown to light brown, saturated, medium dense.
				SW				@ 42' Gravels encountered.
45			15/ 50-6"					@ 45' SAND with GRAVEL, light brown, saturated, dense; gravels in sampler.
								@ 47' Gravels encountered.
50			50-3"	SM				**QUATERNARY FAN DEPOSITS:** @ 50' SILTY SAND with GRAVEL, light brown, saturated, very dense; gravel in sampler, subrounded to subangular pebble- to cobble-sized clasts.
								Total Depth = 51½'
								Flowing Sands @ 35'
								Groundwater Encountered @ 23'
55								Backfilled 12-30-2008

PERMIT #LMON106644
A.P.N. # 381-070-52-00
EST # NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
GEOTECHNICAL BORING CONSTRUCTION PERMIT

SITE NAME: SANTEE DRIVE-IN

SITE ADDRESS: 10990 N WOODSIDE AV SANTEE CA 92071

PERMIT FOR: **SIX GEOTECHNICAL BORINGS**

PERMIT APPROVAL DATE: AUGUST 27, 2009

PERMIT EXPIRES ON: DECEMBER 25, 2009

RESPONSIBLE PARTY: FORTE FAMILY LIMITED PARTNERSHIP

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D.

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. (**http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html**). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. **This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.**

APPROVED BY: M Crystal MARISUE CRYSTAL DATE: 08/27/2009

NOTIFIED: by email 8/27/09 MSC

DEH:SAM-9075 (4/03)

EXP DITE

technical Boring

te: PERMIT APPLICATION
GROUNDWATER
AND VADOSE MONITORING WELLS
AND EXPLORATORY OR TEST BORINGS

T1066644

AUG 25 2009

OFFICE USE ONLY
PERMIT LMON # 1066644
SAM CASE Y/N# None
DATE RECEIVED: 8-25-09
FEE PAID: $ 443
CHECK # 29768

A. RESPONSIBLE PARTY Forte Family Limited Partnership E-mail _____
(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)
Mailing Address 33621 Hotte Hill City Dana Point State CA Zip 92629
Contact Person Susan Boyd Phone (949) 481-8502 Ext. _____ Fax _____

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # _____

C. CONSULTING FIRM GeoSoils, Inc.
Mailing Address 5741 Palmer Way City Carlsbad State CA Zip 92010
Registered Professional Robert G. Ceusman Registration # 6063 (RG, RCE, CEG, PG)
Circle if applicable
E-mail rcrismun@geosoilsinc.com
Contact Person Ryan Boehmer (rboehmer@geosoilsinc.com) Phone (760) 438-3155 Ext. _____ Fax (760) 931-0915

D. DRILLING COMPANY Middle Earth Geo Testing, Inc. C57# 899451
Contact Name Robert Hancock E-mail Bobby_Hancock@MiddleEarthGeo.com
Mailing Address 954 North Lemon st. City Orange State Ca. Zip 92867
Phone 714-210-5971 Ext. 113 Fax _____

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	___
☐ Vadose	___
☐ Boring	___
☑ Other CPT	6

NUMBER OF WELLS TO BE DESTROYED

☐	___

MATERIALS TO BE USED

CASING
Not Applicable ____
Type _____
Gauge _____
Diameter _____
Well Screen Size _____
Filter Pack _____

SEAL/BORING BACKFILL
☐ Neat Cement
☐ Cement & Bentonite
☐ Sand-Cement
☑ Bentonite
☐ Other
Borehole diameter _____

Drilling Method
☐ Auger
☐ Mud Rotary
☐ Percussion
☐ Air Rotary
☑ Other CPT

PROPOSED CONSTRUCTION
Estimated groundwater depth: _____ ft.
Estimated depth of boring _____ ft.

Concrete surface seal	0 to 3
Annular seal	_____ to _____
Bentonite transition seal	_____ to _____
Filter Pack	_____ to _____
Perforation	_____ to _____

NOTE:
Attach a well construction diagram for wells with multiple completions

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE _____ DATE 8/18/09

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk with a complete and accurate well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

RG/RCE/CEG SIGNATURE _____ DATE 8/20/09

F. SITE INFORMATION

1. **ASSESSOR'S PARCEL NUMBER** 381-070-52

Site Name SANTEE DRIVE-IN

Site Address 10990 NORTH WOODSIDE AVE. City SANTEE Zip 92071

PROPERTY OWNER Susan Boyd (FORTE FAMILY LIMITED PARTNERSHIP)

Phone (949) 481-8502 Ext. _____ Fax (949) 481-8502

Mailing Address 33621 HOLTE HILL City DANA POINT State CA Zip 92629

NUMBER OF ~~WELLS~~ 6 CPTs **TYPE OF ~~WELLS~~** CPTs

2. **ASSESSOR'S PARCEL NUMBER** _____

Site Name _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

3. **ASSESSOR'S PARCEL NUMBER** _____

Site Name _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

4. **ASSESSOR'S PARCEL NUMBER** _____

Site Name _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

G. FEES (in effect beginning July 1, 2008, through June 30, 2009)

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells) **Permit for Well Maintenance Inspection (Valid for three years)**	$193.00 for the first monitoring well ..... $100.00 for first well maintenance inspection	**$193.00** **$100.00**
Each Additional New Well	$160.00 for each additional well installation $30.00 for each additional well maintenance inspection	___ x **$160.00** _____ ___ x **$ 30.00** _____
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)*	$193.00 for the first boring ..... $50.00 for each additional boring	1 x **$193.00** $193.00 5 x **$ 50.00** $250.00
Permit for Well Destructions Only	$193.00 for the first destruction ..... $120.00 for each additional destruction ...	___ x **$193.00** ___ x **$120.00**
Permit for any Combination of Well Installations, Borings, & Destructions (*except UST backfill permit*)	The first activity will be $193.00 **Additional activities will be as follows:** $160.00 for each additional well ..... $100.00 for first well maintenance inspection $ 30.00 for each additional well maintenance inspection $120.00 for each well destruction $ 50.00 for each additional boring	___ x **$193.00** _____ ___ x **$160.00** _____ ___ x **$100.00** _____ ___ x **$ 30.00** _____ ___ x **$120.00** _____ ___ x **$ 50.00** _____
Permit for Underground Storage Tank Monitoring System in Backfill *(i.e. Enhanced Leak Detection)*	**$320.00 (Flat Fee)**	$_____
	TOTAL COST OF PERMIT	$ 443.00

H. QUESTIONNAIRE: Please answer all applicable questions completely. *For well destructions, complete only #1 below and submit any required supportive documentation.*

1. If wells are to be destroyed, provide a description of method of destruction N/A No wells are to be destroyed

2. What is the purpose of the well/boring investigation?

   ☐ a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.

   _____ DEH _____ RWQCB _____ DTSC

   ☐ b. Part of a Phase I investigation for property ownership transfer or: _____

   ☒ c. Geotechnical investigation for proposed construction, land stabilization or:

   ☐ d. Other: _____

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?
   Per SAM Manual Requirements
   Backfill with Bentonite chips ~~[illegible]~~

4. What field procedures will be utilized to determine if contamination exists?
   Physical Observations (Discoloration of Soil and ODOR)

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?
   None Proposed. However, if physical signs of contamination are detected, the project scope of work will be re-evaluated with the client.

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)?
   None Proposed. See #5

7. How will samples be transported and preserved? N/A

8. What sampling methods will be used? No sampling Proposed

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction or destruction of Vadose and Groundwater Monitoring Wells (Current SAM Manual Requirements)? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (www.sdcdeh.org). Yes ☐ No ☒
   No Monitoring wells are proposed

10. Are you proposing a variation in drilling and destruction of soil borings from the methods and/or procedures specified in the current SAM manual? If yes, specify these variations and *include a destruction diagram.*
    Yes ☐ No ☒

11. What procedures will be used to ensure that the drilling equipment will introduce no contamination?
    Inspect CPT equipment prior to advancing. Work will not commence if contamination is detected

12. What methods will be used to clean sampling equipment? No decontamination is planned (see #10) Unless physical signs of contamination are detected.

13. What cleaning method will be used to clean casing and screen prior to installation? Well Installation is not proposed

14. A Property Owner Consent (POC) agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties.

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2315/1-800-253-9933
http://www.sdcdeh.org

JACK MILLER
ASSISTANT DIRECTOR

PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address: 10990 North Woodside Ave. Santee, CA

Assessor's Parcel Number (APN): 381-090-52

I, SUSAN BOYD, owner of the property/properties listed above, give my permission to GeoSoils, Inc. / Middle Earth Geo Testing, Inc. (consulting company, contractor) to conduct the following work at the locations stated above.

☐ Install _____ monitoring wells ☐ Destroy _____ monitoring wells ☒ Drill 6 CPTs ~~soil borings~~

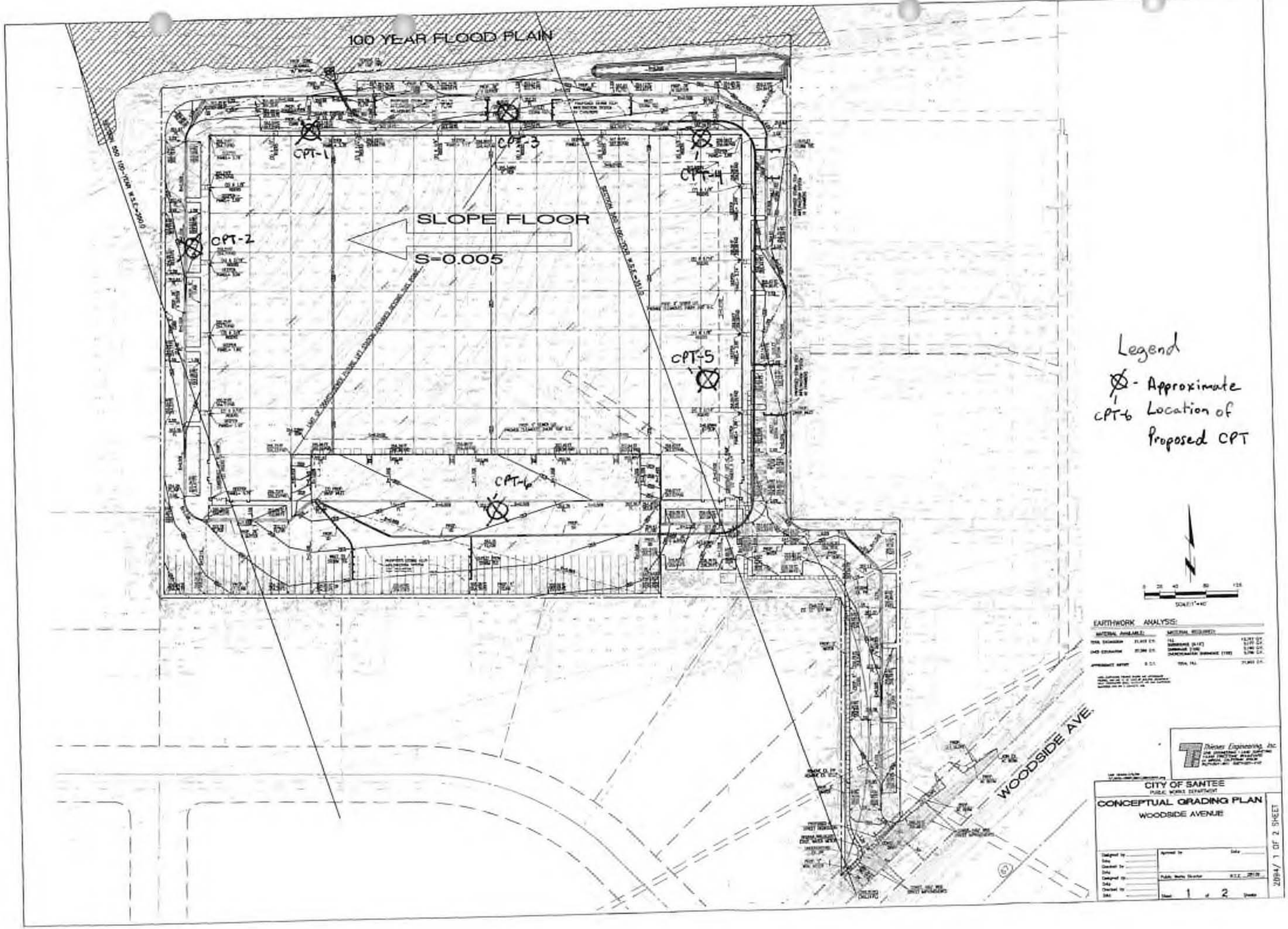
I understand that Robert Gorman (registered professional) of GeoSoils Inc. (consulting company) and an authorized signer for Middle Earth Geotesting, Inc. (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring wells/borings.

Property Owner Signature: Susan Boyd Date: 8/17/09

Print Name: SUSAN BOYD Title: General Partner

Company: Forte family Limited Partnership

Mailing Address: 33621 Holtz Hill Rd Dana Point CA 92629


100 YEAR FLOOD PLAIN
CPT-1
CPT-2
CPT-3
CPT-4
CPT-5
CPT-6
SLOPE FLOOR
S=0.005
WOODSIDE AVE.
Legend
- Approximate Location of Proposed CPT
EARTHWORK ANALYSIS:
CITY OF SANTEE
PUBLIC WORKS DEPARTMENT
CONCEPTUAL GRADING PLAN
WOODSIDE AVENUE
Sheet 1 of 2 Sheets
2894/ 1 OF 2 SHEET

GeoSoils, Inc.

Geotechnical • Geologic • Coastal • Environmental

5741 Palmer Way • Carlsbad, California 92010 • (760) 438-3155 • FAX (760) 931-0915

December 17, 2009

W.O. 5823-A1-SC

County of San Diego
Department of Environmental Health
Land and Water Quality Division
P.O. Box 129261
San Diego, California 92112-9261

Attention: Ms. Marisue Crystal

Subject: Geotechnical Cone Penetration Test Log Submission, Permit No. LMON106644, 10990 North Woodside Avenue, APN 310-070-52-00, City of Santee, San Diego County, California

Reference: "Geotechnical Boring Log Submission, Permit No. LMON106162, 10990 North Woodside Avenue, APN 310-070-52-00, City of Santee, San Diego County, California," W.O. 5823-A-SC, dated April 30, 2009, by GeoSoils, Inc.

Dear Ms. Crystal:

In accordance with criteria presented in the San Diego County, Site Assessment and Mitigation Program (SAM) Manual, GeoSoils, Inc. (GSI), is submitting our geotechnical cone penetration test logs (attached) for subsurface exploration completed at the subject site on August 31, 2009 under the purview of DEH Permit No. LMON106644. Six (6) cone penetration tests were performed. The diameter of the cone penetrometer conical tip and sleeve is 1.40 and 1.41 inches, respectively. No petroleum odors nor soil staining were encountered when the penetrometer was retrieved. Accordingly, no chemical laboratory analyses were performed. The depth to groundwater was not evaluated during our study but based on previous exploration at the site (see Reference), groundwater is anticipated at an approximate depth of 23 feet below the surface. The approximate location of the cone penetration tests (CPTs) are shown on the Cone Penetration Test Location Map (see the attached Figure 1).

CPT-01-09 was backfilled with approximately 0.18 cubic feet of bentonite chips. CPT-02-09 was backfilled with approximately 0.17 cubic feet of bentonite chips. CPT-03-09 was backfilled with approximately 0.20 cubic feet of bentonite chips. CPT-04-09 was backfilled with approximately 0.23 cubic feet of bentonite chips. CPT-05-09 was backfilled with approximately 0.23 cubic feet of bentonite chips. CPT-06-09 was backfilled with approximately 0.18 cubic feet of bentonite chips. The cone penetration tests were completed in general accordance with Department of Water Resources Bulletin 74-90.

If you should have any questions, please do not hesitate to contact our office.

Respectfully subrnitted,

GeoSoils, Inc.

Ryan Boehmer
Project Geologist

Robert G. Crisman
Engineering Geologist, CEG 1934

PROFESSIONAL GEOLOGIST
ROBERT G. CRISMAN
No. 1934
Certified
Engineering
Geologist
STATE OF CALIFORNIA

RB/RGC/JPF/jh

Attachments: Figure 1 - Boring Location Map
Cone Penetration Test Logs CPT-01-09 through CPT-06-09

Distribution: (1) Addressee (wet signed)

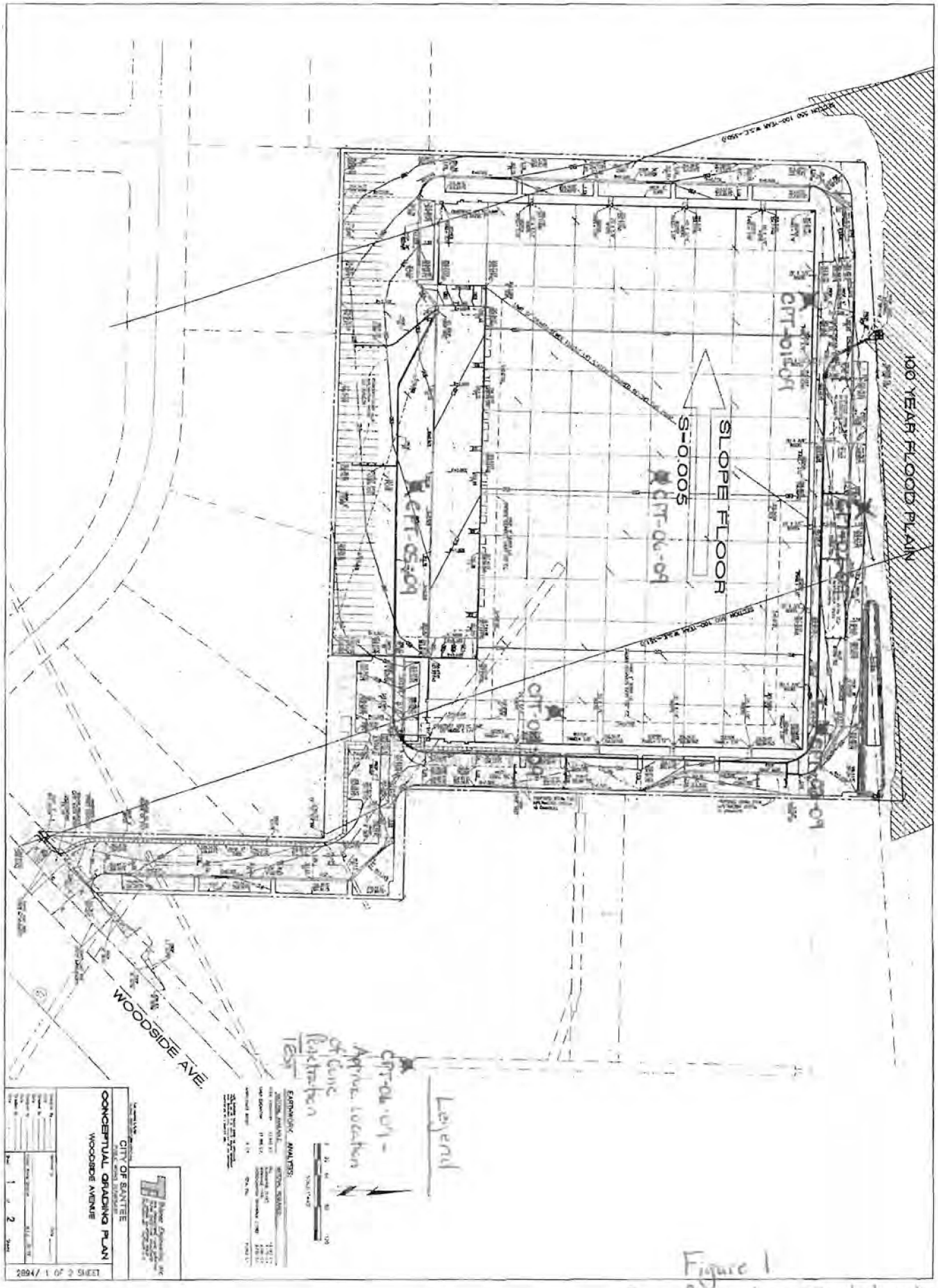
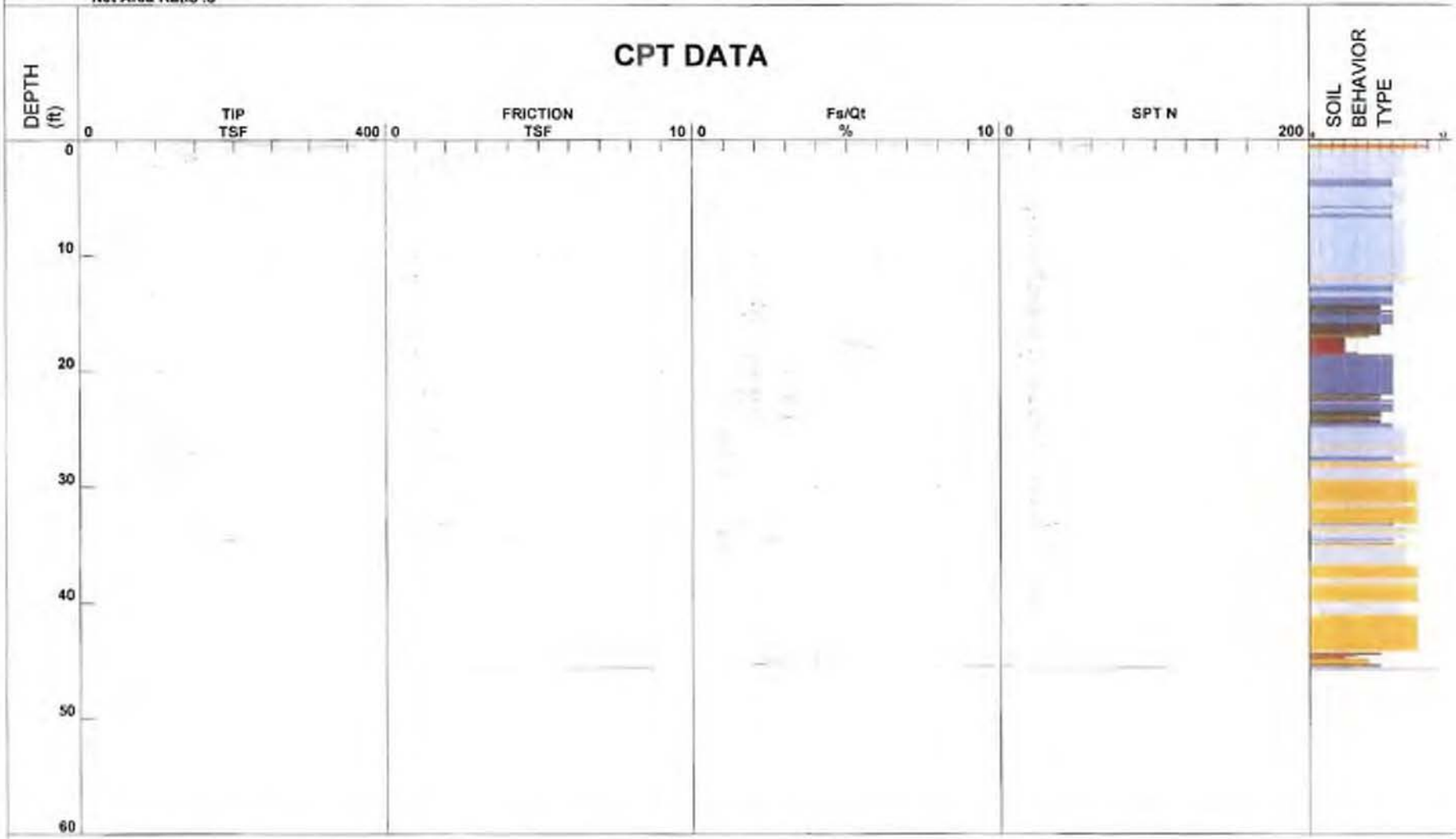


Figure 1
Cone Penetration Test Location
MAP

Geosoils Inc.

Project	Santee Drive Inn Theatre	Operator	ML/DK	Filename	SDF(024).cpt
Job Number	5574-A-SC	Cone Number	DSG1104	GPS	
Hole Number	CPT-01-09	Date and Time	8/31/2009 8:25:39 AM	Maximum Depth	45.93 ft
Water Table Depth		23.00 ft			

Net Area Ratio .8



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

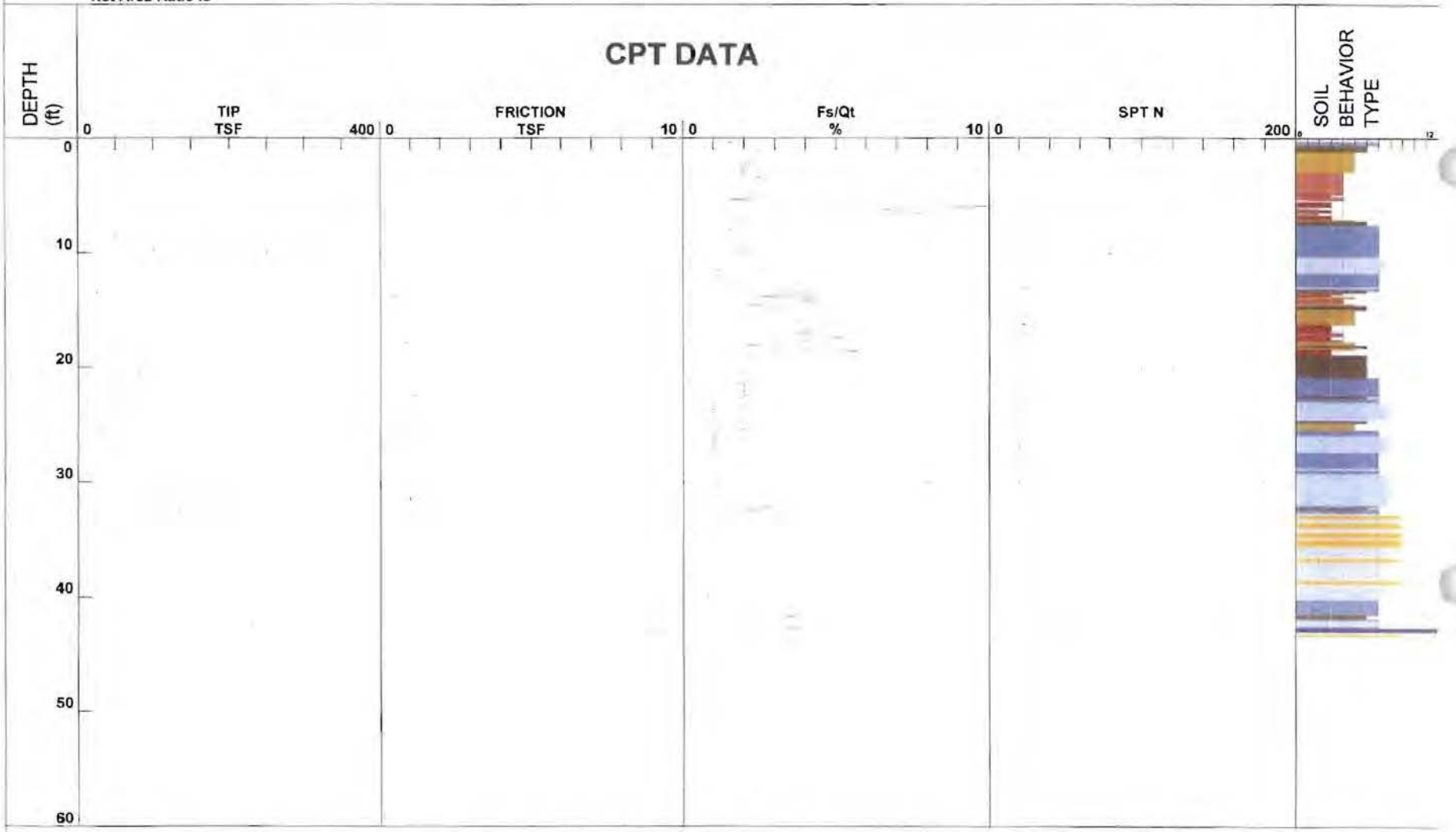
Cone Size 10cm squared

*Soil behavior type and SPT based on data from UBC-1983

Geosoils Inc.

Project	Santee Drive Inn Theatre	Operator	ML/DK	Filename	SDF(025).cpt
Job Number	5574-A-SC	Cone Number	DSG1104	GPS	
Hole Number	CPT-02-09	Date and Time	8/31/2009 9:16:52 AM	Maximum Depth	43.47 ft
Water Table Depth		23.00 ft			

Net Area Ratio .8



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

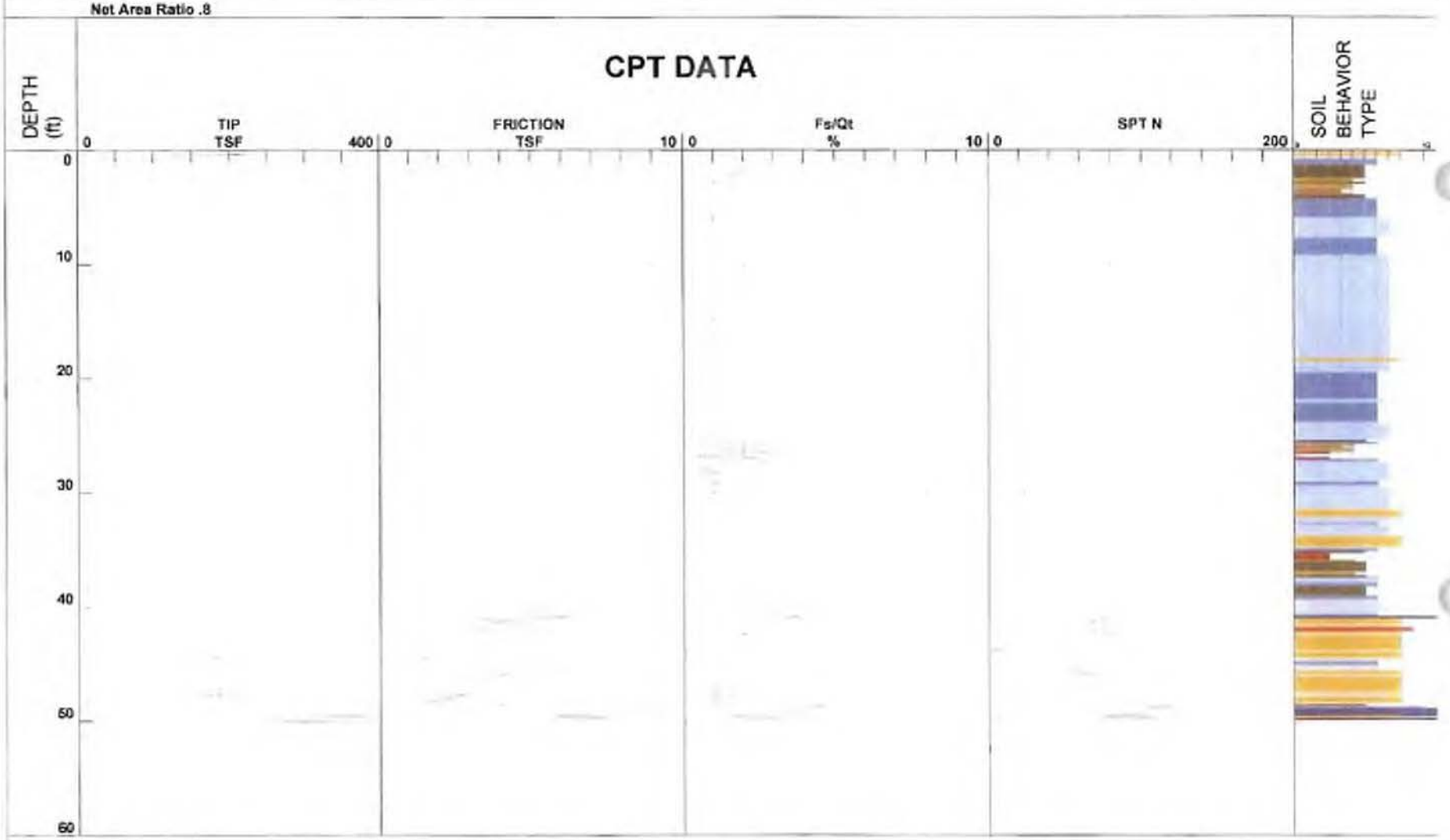
Cone Size 10cm squared

*Soil behavior type and SPT based on data from UBC-1983

Geosoils Inc.

Project	Santee Drive Inn Theatre	Operator	ML/DK	Filename	SDF(026).cpt
Job Number	5574-A-SC	Cone Number	DSG1104	GPS	
Hole Number	CPT-03-09	Date and Time	8/31/2009 10:01:18 AM	Maximum Depth	50.03 ft
Water Table Depth		23.00 ft			

Net Area Ratio .8



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

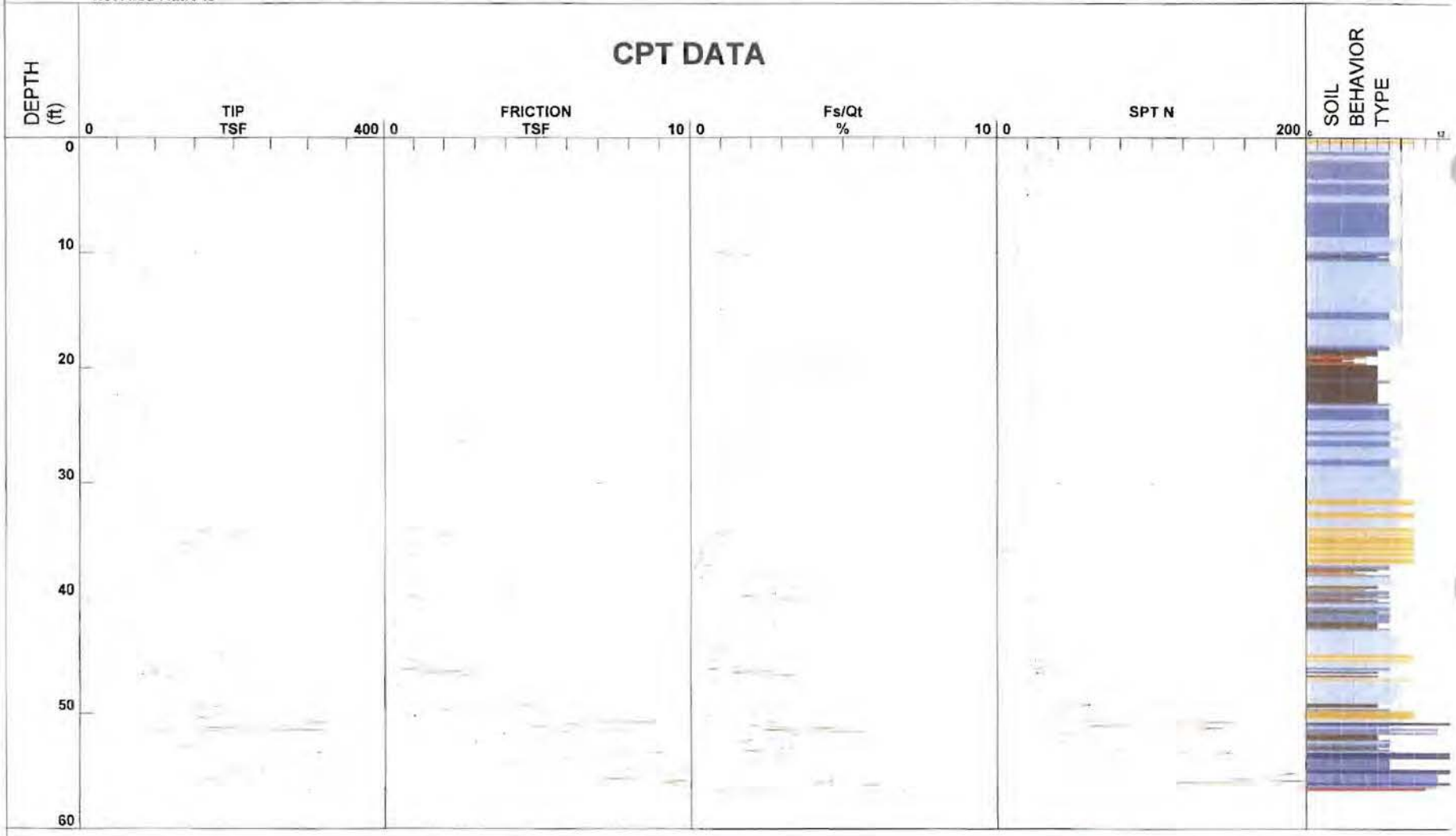
*Soil behavior type and SPT based on data from UBC-1983

Geosoils Inc.

Project	Santee Drive Inn Theatre	Operator	ML/DK	Filename	SDF(027).cpt
Job Number	5574-A-SC	Cone Number	DSG1104	GPS	
Hole Number	CPT-04-09	Date and Time	8/31/2009 10:54:03 AM	Maximum Depth	56.76 ft
Water Table Depth		23.00 ft			

Net Area Ratio .8

CPT DATA



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

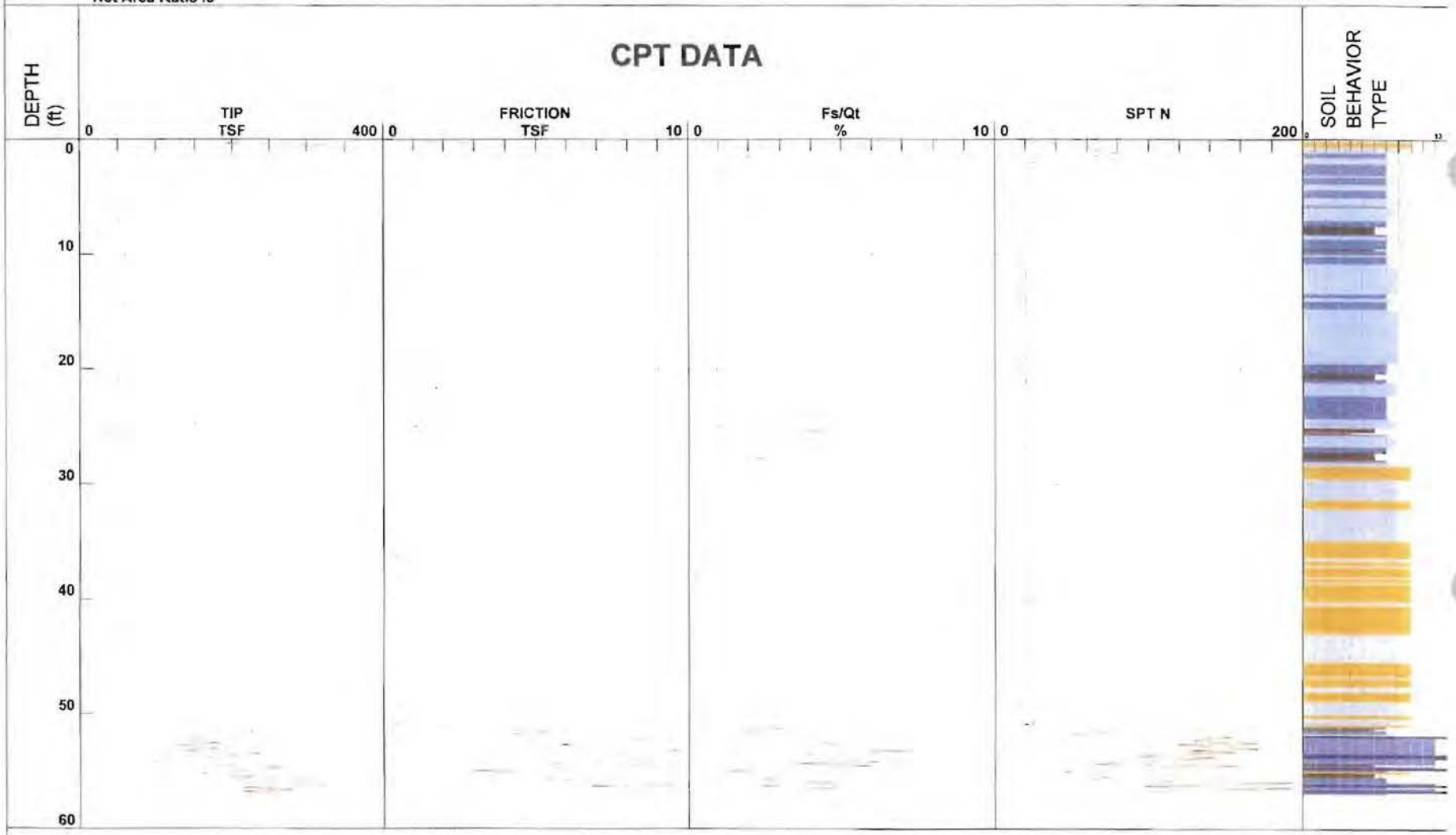
Cone Size 10cm squared

*Soil behavior type and SPT based on data from UBC-1983

Geosoils Inc.

Project	Santee Drive Inn Theatre	Operator	ML/DK	Filename	SDF(028).cpt
Job Number	5574-A-SC	Cone Number	DSG1104	GPS	
Hole Number	CPT-05-09	Date and Time	8/31/2009 11:51:13 AM	Maximum Depth	57.09 ft
Water Table Depth		23.00 ft			

Net Area Ratio .8



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

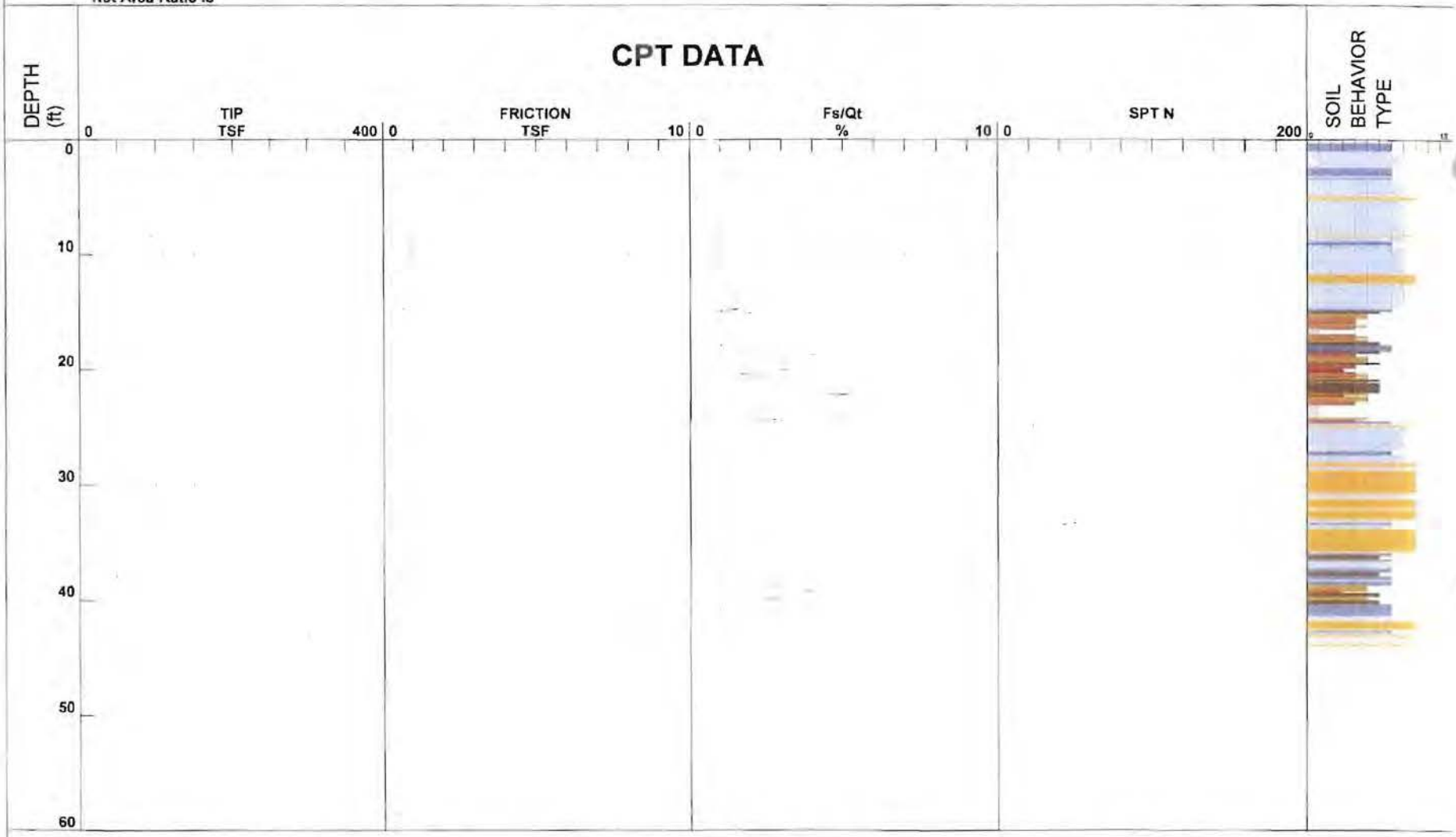
Cone Size 10cm squared

*Soil behavior type and SPT based on data from UBC-1983

Geosoils Inc.

Project	Santee Drive Inn Theatre	Operator	ML/DK	Filename	SDF(029).cpt
Job Number	5574-A-SC	Cone Number	DSG1104	GPS	
Hole Number	CPT-06-09	Date and Time	8/31/2009 12:43:03 PM	Maximum Depth	44.13 ft
Water Table Depth	23.00 ft				

Net Area Ratio .8



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

*Soil behavior type and SPT based on data from UBC-1983

Chicago Title Company

725 South Figueroa Street, Suite 200, Los Angeles, CA 90017
Phone: (213) 488-4300 ● Fax: (213) 488-4377

Issuing Policies of Chicago Title Insurance Company

ORDER NO.: **00183801-021-JI5-1TW**

Chicago Title Company
725 South Figueroa Street, Suite 200
Los Angeles, CA 90017
ATTN: Joan Hawkins / Ina Ibrahim
Email: HawkinsUnit@ctt.com

Main Office Line: **(213) 488-4300**

Title Officer: Ted Tan/Jennifer Wright (LA/Comm)
Title Officer Phone: (213) 488-4331
Title Officer Fax: (213) 488-4360
Title Officer Email: TeamX77@ctt.com

PROPERTY: **10990 NORTH WOODSIDE AVENUE, SANTEE, CA**

PRELIMINARY REPORT

In response to the application for a policy of title insurance referenced herein, ***Chicago Title Company*** *hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a policy or policies of title insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an exception herein or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations or Conditions of said policy forms.*

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Attachment One. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Attachment One. Copies of the policy forms should be read. They are available from the office which issued this report.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

The policy(s) of title insurance to be issued hereunder will be policy(s) of Chicago Title Insurance Company, a Florida corporation.

Please read the exceptions shown or referred to herein and the exceptions and exclusions set forth in Attachment One of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects and encumbrances affecting title to the land.

Chicago Title Company

By: _____
Authorized Signature

By: _____
Michael J. Nolan
President

ATTEST: _____
Marjorie Nemzura
Secretary

Chicago Title Company

725 South Figueroa Street, Suite 200, Los Angeles, CA 90017
Phone: (213) 488-4300 ● Fax: (213) 488-4377

PRELIMINARY REPORT

EFFECTIVE DATE: **September 21, 2022 at 7:30 a.m.**

ORDER NO.: 00183801-021-JI5-1TW

The form of policy or policies of title insurance contemplated by this report is:

1. THE ESTATE OR INTEREST IN THE LAND HEREINAFTER DESCRIBED OR REFERRED TO COVERED BY THIS REPORT IS:

   A Fee, as to Parcels 1, 2 and 6.
   Easement(s), as more fully described below, as to Parcels 3, 4 and 5.

2. TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS VESTED IN:

   The Forte Family Limited Partnership, a California limited partnership, as to Parcels 1, 2, 3, 4 and 5;

   John E. Forte, Trustee under Declaration of Trust dated April 29, 1981, as to Parcel 6

3. THE LAND REFERRED TO IN THIS REPORT IS DESCRIBED AS FOLLOWS:

   See Exhibit A attached hereto and made a part hereof.

EXHIBIT "A"

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF SANTEE, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1:

THAT PORTION OF THE RESUBDIVISION OF LOTS 1 TO 19, INCLUSIVE, OF STEVENS AND HARTLEY'S ALFALFA LANDS, IN THE CITY OF SANTEE, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 1594, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, JULY 25, 1913, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWESTERLY CORNER OF SAID STEVENS AND HARTLEY'S ALFALFA LANDS; THENCE, ALONG THE BOUNDARY LINE OF SAID ALFALFA LANDS, NORTH 1° 27' EAST, 2020.90 FEET, TO A POINT IN THE SAN DIEGO RIVER BED; THENCE, ALONG SAID SAN DIEGO RIVER BED, NORTH 61° 51' EAST, 664.57 FEET, TO THE TRUE POINT OF BEGINNING; THENCE, SOUTH 1° 28' 30" WEST (RECORD SOUTH 1° 27' WEST), PARALLEL WITH THE WESTERLY BOUNDARY LINE OF SAID MAP NO. 1594, A DISTANCE OF 569.46 FEET, TO A POINT ON SAID PARALLEL LINE, DISTANT THEREON NORTH 1° 28' 30" EAST, 504.21 FEET, FROM THE NORTHWEST CORNER OF THE LAND CONVEYED TO L. A THOMSON, BY DEED RECORDED MAY 8, 1956, IN BOOK 6091, PAGE 111, OF OFFICIAL RECORDS; THENCE, SOUTH 88° 31' 30" EAST, 863.92 FEET; THENCE, SOUTH 1° 28' 30" WEST, 504.21 FEET, TO THE NORTHEAST CORNER OF SAID THOMSON LAND; THENCE, SOUTH 1° 28' 30" WEST, 123.75 FEET, TO A POINT IN THE NORTHWESTERLY LINE OF THE RIGHT OF WAY OF THE SAN DIEGO AND SOUTHEASTERN RAILROAD; THENCE, ALONG SAID NORTHWESTERLY LINE, NORTH 46° 51' EAST, TO A POINT IN A LINE WHICH IS PARALLEL WITH AND 75 FEET EASTERLY, MEASURED AT RIGHT ANGLES, FROM THE EASTERLY LINE OF SAID THOMSON LAND; THENCE, NORTH 1° 28' 30" EAST, ALONG SAID PARALLEL LINE AND THE NORTHERLY PROLONGATION THEREOF, TO A POINT IN A LINE WHICH IS PARALLEL WITH AND 604.21 FEET NORTHERLY, MEASURED AT RIGHT ANGLES, FROM THE NORTHERLY LINE OF SAID THOMSON LAND; THENCE, ALONG SAID PARALLEL LINE, NORTH 88° 31' 30" WEST, 138.92 FEET; THENCE, NORTH 1° 28' 30" EAST, TO A POINT IN THE SAN DIEGO RIVER BED, AS SHOWN ON SAID MAP NO. 1594; THENCE, ALONG SAID RIVER BED, SOUTH 66° 00' WEST, TO AN ANGLE POINT THEREIN; THENCE, NORTH 77° 41' WEST, 257 FEET; THENCE, SOUTH 87° 27' WEST, 390.80 FEET; THENCE, SOUTH 61° 51' WEST, 93.63 FEET, TO THE TRUE POINT OF BEGINNING.

EXCEPTING THE INTEREST OF THE STATE OF CALIFORNIA, AS CONVEYED BY DEED RECORDED JULY 13, 1962, AS DOCUMENT NO. 119481, OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM, THOSE PORTIONS OF STEVENS AND HARTLEY'S ALFALFA LANDS, IN THE CITY OF SANTEE, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 1594, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, JULY 25, 1913, AND OF BLOCKS 1 AND 5 OF THE SUBDIVISION OF LOTS "H" AND "O" OF RANCHO EL CAJON, ACCORDING TO MAP THEREOF NO. 817, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, TOGETHER WITH THOSE PORTIONS OF THE WEST HALF OF MESA AVENUE, AS SHOWN ON SAID MAP NO. 1594 AND OF SAID MESA AVENUE LYING BETWEEN SAID BLOCKS 1 AND 5, AS VACATED AND CLOSED TO PUBLIC USE WHICH LIE WITHIN THE FOLLOWING DESCRIBED LAND:

BEGINNING AT THE NORTHWEST CORNER OF LOT 8 OF STEVENS AND HARTLEY'S ALFALFA LANDS, ACCORDING TO MAP THEREOF NO. 1348, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY; THENCE, SOUTH 88° 20' 40" EAST, 719.40 FEET, TO THE POINT OF INTERSECTION OF THE NORTHWESTERLY LINE OF LOT 10 OF SAID MAP NO. 1348, WITH THE NORTHERLY PROLONGATION OF THE EASTERLY LINE OF THE LAND DESCRIBED IN DEED TO JOHN FORTE, RECORDED JULY 18, 1962, AS DOCUMENT NO. 121864, OF OFFICIAL RECORDS OF SAN DIEGO COUNTY; THENCE, SOUTH 65° 54' 20" WEST (RECORD SOUTH 66° WEST), 91.22 FEET, TO THE NORTHEASTERLY CORNER OF LOT 9 OF SAID MAP NO. 1348; THENCE, NORTH 72° 46' 50" WEST

EXHIBIT A
(Continued)

(RECORD NORTH 72° 41' WEST), ALONG THE NORTHERLY LINE OF SAID LOT 9, TO SAID COURSE ABOVE DESIGNATED "SOUTH 88° 20' 40" EAST", BEING THE TRUE POINT OF BEGINNING; THENCE, CONTINUING NORTH 72° 46' 50" WEST, TO AN ANGLE POINT IN SAID LOT 9; THENCE, SOUTH 87° 21' 10" WEST, 390.79 FEET (RECORD SOUTH 87° 27' WEST, 390.80 FEET), TO SAID NORTHWEST CORNER OF LOT 8; THENCE, SOUTH 88° 20' 40" EAST, TO THE TRUE POINT OF BEGINNING.

PARCEL 2:

THAT PORTION OF BLOCKS 1 AND 5 OF THE SUBDIVISION OF LOTS "H" AND "O" OF RANCHO EL CAJON, ACCORDING TO MAP THEREOF NO. 817, IN THE CITY OF SANTEE, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, TOGETHER WITH THOSE PORTIONS OF MESA AVENUE LYING BETWEEN SAID BLOCKS 1 AND 5, AS VACATED AND CLOSED TO PUBLIC USE, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEASTERLY CORNER OF LOT 9 OF STEVENS AND HARTLEY'S ALFALFA LANDS, ACCORDING TO MAP THEREOF NO. 1348, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY; THENCE, ALONG THE NORTHERLY LINE OF LOT 10, ACCORDING TO SAID MAP, NORTH 66° 00' EAST, 91.22 FEET, TO THE NORTHERLY PROLONGATION OF THE EASTERLY LINE OF THE LAND DESCRIBED IN DEED TO JOHN FORTE, RECORDED JULY 18, 1962, AS DOCUMENT NO. 121864, OF OFFICIAL RECORDS OF SAN DIEGO COUNTY, BEING THE TRUE POINT OF BEGINNING; THENCE, ALONG THE NORTH LINE OF LAND DESCRIBED IN DEED TO JOHN FORTE, RECORDED MARCH 19, 1966, AS FILE NO. 49552, OF OFFICIAL RECORDS, TO AND ALONG THE SOUTH LINE OF LAND DESCRIBED IN DEED TO KONRAD S. LEAK, ET AL, RECORDED MARCH 19, 1966, AS FILE NO. 49553, OF OFFICIAL RECORDS, WESTERLY (RECORD NORTH 88° 20' 40" WEST), 719.40 FEET, TO THE NORTHWEST CORNER OF LOT 8, ACCORDING TO SAID MAP NO. 1348; THENCE, SOUTH 61° 51' WEST, ALONG THE NORTHWESTERLY LINE OF SAID LOT 7, A DISTANCE OF 93.63 FEET; THENCE, NORTH 1° 27' EAST, 85.80 FEET, MORE OR LESS, TO THE CENTER LINE OF SAID MESA AVENUE, BEING POINT "A"; THENCE, NORTH 86° 43' EAST, ALONG THE STRAIGHT LINE CONNECTING SAID POINT "A" WITH THE NORTHEASTERLY CORNER OF LOT 10, ACCORDING TO SAID MAP NO. 1348, A DISTANCE OF 803.49 FEET, MORE OR LESS, TO SAID NORTHERLY PROLONGATION OF THE EASTERLY LINE OF FORTE LAND FIRST MENTIONED; THENCE, ALONG SAID PROLONGATION, SOUTH 1° 28' 30" WEST, 109.64 FEET, MORE OR LESS, TO THE TRUE POINT OF BEGINNING.

PARCEL 3:

AN EASEMENT FOR ROAD PURPOSES AND FOR INGRESS AND EGRESS, OVER A STRIP OF LAND, 20 FEET WIDE, LOCATED ON A PARCEL OF LAND DESCRIBED AS FOLLOWS:

THOSE PORTIONS OF STEVENS AND HARTLEY'S ALFALFA LANDS, IN THE CITY OF SANTEE, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 1594, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, AND OF BLOCKS 1 AND 5 OF THE SUBDIVISION OF LOTS "H" AND "O" OF RANCHO EL CAJON, ACCORDING TO MAP THEREOF NO. 817, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, TOGETHER WITH THOSE PORTIONS OF MESA AVENUE LYING BETWEEN SAID BLOCKS 1 AND 5, ACCORDING TO SAID MAP NO. 817, AS VACATED AND CLOSED TO PUBLIC USE, DESCRIBED AS FOLLOWS:

BEGINNING AT THE POINT OF INTERSECTION OF THE CENTER LINE OF MESA AVENUE, AS SHOWN ON SAID MAP NO. 1594, WITH THE NORTHWESTERLY LINE OF THE LAND DESCRIBED IN DEED TO THE STATE OF CALIFORNIA, RECORDED JULY 13, 1962, AS DOCUMENT NO. 119481, OF OFFICIAL RECORDS OF SAN DIEGO COUNTY; THENCE, ALONG SAID NORTHWESTERLY LINE (DEED SOUTH 46° 44' 04" WEST), 366.86 FEET; THENCE, PARALLEL WITH SAID CENTER LINE, NORTH 1° 20' 02" EAST, 810.90 FEET, TO THE TRUE POINT OF BEGINNING; THENCE, SOUTH 88° 39' 58" EAST, 60.00 FEET; THENCE, NORTH 1° 20' 02" EAST, TO THE NORTHERLY LINE OF LOT 11 OF STEVENS AND HARTLEY'S ALFALFA

EXHIBIT A
(Continued)

LANDS, ACCORDING TO MAP THEREOF NO. 1348, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, STATE OF CALIFORNIA; THENCE, NORTH 1° 20' 02" EAST, TO THE NORTHWESTERLY LINE OF PARCEL 4 OF THE LAND DESCRIBED IN DEED TO L. D. ALLEN, RECORDED SEPTEMBER 26, 1956, IN BOOK 6274, PAGE 505, OF OFFICIAL RECORDS; THENCE, ALONG THE NORTHWESTERLY LINE OF SAID LAND, SOUTH 56° 31' WEST, TO THE NORTHEAST CORNER OF LOT 10, ACCORDING TO SAID MAP NO. 1348; THENCE, SOUTH 86° 43' WEST, TO THE NORTHERLY PROLONGATION OF THE EASTERLY LINE OF THE LAND DESCRIBED IN DEED TO JOHN FORTE, RECORDED JULY 18, 1962, AS DOCUMENT NO. 121864, OF OFFICIAL RECORDS OF SAN DIEGO COUNTY; THENCE, ALONG SAID PROLONGATION, SOUTH 1° 28' 30" WEST, 109.64 FEET, MORE OR LESS, TO THE NORTHWEST LINE OF SAID LOT 1; THENCE, SOUTH 88° 39' 58" EAST, TO THE WESTERLY LINE OF A 60 FOOT EASEMENT DESCRIBED IN PARCEL 2 OF DEED TO SOUTHLAND SAVINGS AND LOAN ASSOCIATION OF CHULA VISTA, RECORDED SEPTEMBER 30, 1966, AS FILE NO. 158140, OF OFFICIAL RECORDS; THENCE, ALONG SAID WESTERLY LINE, NORTH 1° 20' 02" EAST, TO THE TRUE POINT OF BEGINNING, SAID 20 FOOT STRIP BEINGS IN THE EASTERLY LINE OF PARCEL 1 DESCRIBED ABOVE AND RUNS IN AN EASTERLY DIRECTION TO THE WESTERLY LINE OF A 60 FOOT EASEMENT DESCRIBED IN PARCEL 2 OF DEED TO SOUTHLAND SAVINGS AND LOAN ASSOCIATION OF CHULA VISTA, RECORDED SEPTEMBER 30, 1966, AS FILE NO. 158140, OF OFFICIAL RECORDS.

PARCEL 4:

AN EASEMENT AND RIGHT OF WAY FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES AND APPURTENANCES OVER, UNDER, ALONG AND ACROSS THOSE PORTIONS OF STEVENS AND HARTLEY'S ALFALFA LANDS, IN THE CITY OF SANTEE, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 1594, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY AND OF BLOCKS 1 AND 5 OF THE SUBDIVISION OF LOTS "H" AND "O" OF RANCHO EL CAJON, ACCORDING TO MAP THEREOF NO. 817, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, TOGETHER WITH A PORTION OF MESA AVENUE LYING BETWEEN SAID BLOCKS 1 AND 5, AS VACATED AND CLOSED TO PUBLIC USE, DESCRIBED AS FOLLOWS:

A 60 FOOT STRIP OF LAND, THE WESTERLY LINE OF SAID STRIP BEING DESCRIBED AS FOLLOWS:

BEGINNING AT THE POINT OF INTERSECTION OF THE CENTER LINE OF MESA AVENUE, AS SHOWN ON SAID MAP NO. 1594, WITH THE NORTHWESTERLY LINE OF THE LAND DESCRIBED IN DEED TO THE STATE OF CALIFORNIA, RECORDED JULY 13, 1962, AS DOCUMENT NO. 119481, OF OFFICIAL RECORDS OF SAN DIEGO COUNTY; THENCE, ALONG SAID NORTHWESTERLY LINE (DEED SOUTH 46° 44' 04" WEST), 366.86 FEET, TO THE TRUE POINT OF BEGINNING; THENCE, PARALLEL WITH SAID CENTER LINE, NORTH 1° 20' 02" EAST, 810.90 FEET.

SAID STRIP TO TERMINATE ON THE SOUTH IN SAID NORTHWESTERLY LINE OF SAID STATE OF CALIFORNIA LAND.

PARCEL 5:

AN EASEMENT AND RIGHT OF WAY FOR ROAD AND UTILITY PURPOSES OVER, UNDER, ALONG AND ACROSS A STRIP OF LAND, 20 FEET IN WIDTH, LYING WITHIN THOSE PORTIONS OF STEVENS AND HARTLEY'S ALFALFA LANDS, IN THE CITY OF SANTEE, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 1594, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY AND OF BLOCKS 1 AND 5 OF THE SUBDIVISION OF LOTS "H" AND "O" OF RANCHO EL CAJON, ACCORDING TO MAP THEREOF NO. 817, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, TOGETHER WITH THOSE PORTIONS OF THE WEST HALF OF MESA AVENUE, AS SHOWN ON SAID MAP NO. 1594 AND OF SAID MESA AVENUE LYING BETWEEN SAID BLOCKS 1 AND 5, AS VACATED AND CLOSED TO PUBLIC USE, THE CENTER LINE OF SAID EASEMENT BEING DESCRIBED AS FOLLOWS:

EXHIBIT A
(Continued)

BEGINNING AT THE NORTHWEST CORNER OF LOT 8 OF STEVENS AND HARTLEY'S ALFALFA LANDS, ACCORDING TO MAP THEREOF NO. 1348, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY; THENCE, SOUTH 88° 20' 40" EAST, 719.40 FEET, TO THE POINT OF INTERSECTION OF THE NORTHWESTERLY LINE OF LOT 10 OF SAID MAP NO. 1348, WITH THE NORTHERLY PROLONGATION OF THE EASTERLY LINE OF THE LAND DESCRIBED IN DEED TO JOHN FORTE, RECORDED JULY 18, 1962, AS DOCUMENT NO. 121864, OF OFFICIAL RECORDS OF SAN DIEGO COUNTY.

EXCEPTING THOSE PORTIONS LYING WITHIN PARCEL 2, DESCRIBED ABOVE.

PARCEL 6:

PORTIONS OF STEVENS AND HARTLEY'S ALFALFA LANDS, IN THE CITY OF SANTEE, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 1594, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, JULY 25, 1913, AND OF BLOCKS 1 AND 5 OF THE SUBDIVISION OF LOTS "H" AND "O" OF RANCHO EL CAJON, ACCORDING TO MAP THEREOF NO. 817, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, TOGETHER WITH THOSE PORTIONS OF THE WEST HALF OF MESA AVENUE, AS SHOWN ON SAID MAP NO. 1594 AND OF SAID MESA AVENUE LYING BETWEEN SAID BLOCKS 1 AND 5, AS VACATED AND CLOSED TO PUBLIC USE WHICH LIE WITHIN THE FOLLOWING DESCRIBED LAND:

BEGINNING AT THE NORTHWEST CORNER OF LOT 8 OF STEVENS AND HARTLEY'S ALFALFA LANDS, ACCORDING TO MAP THEREOF NO. 1348, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY; THENCE, SOUTH 88° 20' 40" EAST, 719.40 FEET, TO THE POINT OF INTERSECTION OF THE NORTHWESTERLY LINE OF LOT 10 OF SAID MAP NO. 1348, WITH THE NORTHERLY PROLONGATION OF THE EASTERLY LINE OF THE LAND DESCRIBED IN DEED TO JOHN FORTE, RECORDED JULY 18, 1962, AS DOCUMENT NO. 121864, OF OFFICIAL RECORDS OF SAN DIEGO COUNTY, BEING THE TRUE POINT OF BEGINNING; THENCE, SOUTH 65° 54' 20" WEST (RECORD SOUTH 66° WEST), 91.22 FEET, TO THE NORTHEASTERLY CORNER OF LOT 9 OF SAID MAP NO. 1348; THENCE, NORTH 72° 46' 50" WEST (RECORD NORTH 72° 41' WEST), ALONG THE NORTHERLY LINE OF SAID LOT 9, TO SAID COURSE ABOVE DESIGNATED "SOUTH 88° 20' 40" EAST"; THENCE, SOUTH 88° 20' 40" EAST, TO THE TRUE POINT OF BEGINNING.

APN: 381-070-52-00

EXCEPTIONS

AT THE DATE HEREOF, ITEMS TO BE CONSIDERED AND EXCEPTIONS TO COVERAGE IN ADDITION TO THE PRINTED EXCEPTIONS AND EXCLUSIONS IN SAID POLICY FORM WOULD BE AS FOLLOWS:

A. Property taxes, including any personal property taxes and any assessments collected with taxes, are as follows:

Tax Identification No.:	381-070-52-00
Fiscal Year:	2022-2023
1st Installment:	$16,036.89, Unpaid (Delinquent after December 10)
Penalty:	$1,603.68
2nd Installment:	$16,036.89, Unpaid (Delinquent after April 10)
Penalty and Cost:	$1,613.68
Code Area:	16044

B. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to Date of Policy.

1. Water rights, claims or title to water, whether or not disclosed by the public records.

2. Easements for ingress and egress, pipelines, drainage and/or public utilities and incidental purposes thereto over, under, along and across the easement parcel(s) herein described as granted and/or reserved in various deeds of record.

   Affects: Parcels 3, 4 and 5

3. The rights reserved in the deed from H. D. Williamson and wife, to T. L. Barnes, recorded December 29, 1910, in Book 506, Page 353, Deeds, which are as follows:

   “Reserving to the Grantors, the right at any time to protect, if the Grantees, their heirs and successors do not sufficiently do so, from the encroachment of the San Diego River, to the right of way of said San Diego Cuyama Railway and to take from any part of said land, all earth, stones, brush and material necessary to property protect the wend thereof, from the encroachment of said river.”

   Note: By mesne conveyances of record, the interest of H. D. Williamson in the aforesaid rights, has since passed to and now vests in the County of San Diego, a public corporation.

4. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	Walter H. Dupee
Purpose:	ditch
Recording Date:	May 6, 1913
Recording No:	in Book 609, Page 278, Deeds
Affects:	as described therein

   Note: By mesne conveyances of record, the interest of Walter H. Dupee in the aforesaid ditch, has since passed to and now vests in the County of San Diego.

EXCEPTIONS
(Continued)

5. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	San Diego Consolidated Gas & Electric Company, a corporation
Purpose:	public utilities, ingress and egress
Recording Date:	January 14, 1918
Recording No:	in Book 748, Page 161, Deeds
Affects:	as described therein

6. Matters contained in that certain document

Entitled:	Agreement
Dated:	April 28, 1922
Executed by:	Union Trust Company of San Diego, a corporation and F. W. Holsapple, Emma A. Holsapple and Gilchrist Estate Company, a corporation
Recording Date:	May 27, 1922
Recording No:	in Book 890, Page 253, Deeds

Reference is hereby made to said document for full particulars.

7. The right of the owners of the property herein described, to divert certain amounts of water from the San Diego River for beneficial use upon their lands, subject however, to the prior rights of the City of San Diego, a municipal corporation and La Mesa, Lemon Grove and Spring Valley Irrigation District, to the use of the waters of said San Diego River, as decreed in that certain Judgment, rendered August 16, 1938, in an action of the Superior Court of San Diego County, California, entitled, “Phillip P. Martin, et al, Plaintiffs vs. The City of San Diego, a municipal corporation, et al, Defendants, Case No. 85300.”

8. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose:	roadway
Recording Date:	March 5, 1951
Recording No:	in Book 3999, Page 111, Official Records
Affects:	as described therein

9. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	San Diego Gas & Electric Company, a corporation
Purpose:	line of pipe
Recording Date:	April 27, 1964
Recording No:	as Instrument No. 75573, Official Records
Affects:	as described therein

10. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	Konrad S. Leak and Laura A. Leak, James H. Stratton, Richard A. Miller, Scott G. Miller and John Forte
Purpose:	road and utility
Recording Date:	March 19, 1965
Recording No:	as Instrument No. 49554, Official Records
Affects:	as described therein

EXCEPTIONS
(Continued)

11. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	San Diego Gas & Electric Company, a corporation
Purpose:	line of poles with wires
Recording Date:	August 31, 1962
Recording No:	as Instrument No. 151610, Official Records
Affects:	as described therein

12. An instrument entitled Declaration of Covenants for Street Improvements

Executed by:	John Forte
In favor of:	County of San Diego
Recording Date:	August 23, 1976
Recording No:	as Instrument No. 76-273554, Official Records

Reference is hereby made to said document for full particulars.

This covenant and agreement provides that it shall be binding upon any future owners, encumbrancers, their successors or assigns, and shall continue in effect until the advisory agency approves termination.

13. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other matters shown on

Map:	Record of Survey
Recording Date:	August 25, 1988
Recording No:	Map No. 11770

14. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other matters shown on

Map:	Record of Survey
Recording Date:	June 1, 1989
Recording No:	Map No. 12197

15. Matters contained in that certain document

Entitled:	Boundary Agreement and Grant of Revocable License to Encroach
Dated:	January 8, 1992
Executed by:	John Forte, Santee Drive-In Theatre, Inc. and Revel Family Trust
Recording Date:	February 14, 1992
Recording No:	as Instrument No. 1992-0084989, Official Records

Reference is hereby made to said document for full particulars.

16. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled:	Boundary Agreement and Grant of Revocable License to Encroach
Lessor:	John Forte
Lessee:	Santee Drive-In Threatre, Inc.
Recording Date:	February 14, 1992
Recording No:	as Instrument No. 1992-0084989, Official Records

EXCEPTIONS
(Continued)

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

17. The Land described herein is included within a project area of the Redevelopment Agency shown below, and that proceedings for the redevelopment of said project have been instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the Redevelopment Plan) as disclosed by a document.

Redevelopment Agency:	The City of Santee Community Development Commission
Recording Date:	September 18, 2007
Recording No:	as Instrument No. 2007-0611268, Official Records

18. Please be advised that our search did not disclose any open Deeds of Trust of record. If you should have knowledge of any outstanding obligation, please contact the Title Department immediately for further review prior to closing.

19. Any invalidity or defect in the title of the vestees in the event that the trust referred to herein is invalid or fails to grant sufficient powers to the trustee(s) or in the event there is a lack of compliance with the terms and provisions of the trust instrument.

    If title is to be insured in the trustee(s) of a trust, (or if their act is to be insured), this Company will require a Trust Certification pursuant to California Probate Code Section 18100.5.

    The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

20. Any easements not disclosed by the public records as to matters affecting title to real property, whether or not said easements are visible and apparent.

21. Matters which may be disclosed by an inspection and/or by a correct ALTA/NSPS Land Title Survey of said Land that is satisfactory to the Company, and/or by inquiry of the parties in possession thereof.

22. Any rights of the parties in possession of a portion of, or all of, said Land, which rights are not disclosed by the public records.

    The Company will require, for review, a full and complete copy of any unrecorded agreement, contract, license and/or lease, together with all supplements, assignments and amendments thereto, before issuing any policy of title insurance without excepting this item from coverage.

    The Company reserves the right to except additional items and/or make additional requirements after reviewing said documents.

PLEASE REFER TO THE "INFORMATIONAL NOTES" AND "REQUIREMENTS" SECTIONS WHICH FOLLOW FOR INFORMATION NECESSARY TO COMPLETE THIS TRANSACTION.

END OF EXCEPTIONS

REQUIREMENTS SECTION

1. Unrecorded matters which may be disclosed by an Owner's Affidavit or Declaration. A form of the Owner's Affidavit/Declaration is attached to this Preliminary Report/Commitment. This Affidavit/Declaration is to be completed by the record owner of the land and submitted for review prior to the closing of this transaction. Your prompt attention to this requirement will help avoid delays in the closing of this transaction. Thank you.

   The Company reserves the right to add additional items or make further requirements after review of the requested Affidavit/Declaration.

2. In order to complete this report, the Company requires a Statement of Information to be completed by the following party(s),

   Party(s): All Parties

   The Company reserves the right to add additional items or make further requirements after review of the requested Statement of Information.

   NOTE: The Statement of Information is necessary to complete the search and examination of title under this order. Any title search includes matters that are indexed by name only, and having a completed Statement of Information assists the Company in the elimination of certain matters which appear to involve the parties but in fact affect another party with the same or similar name. Be assured that the Statement of Information is essential and will be kept strictly confidential to this file.

3. The Company will require either (a) a complete copy of the trust agreement and any amendments thereto certified by the trustee(s) to be a true and complete copy with respect to the hereinafter named trust, or (b) a Certification, pursuant to California Probate Code Section 18100.5, executed by all of the current trustee(s) of the hereinafter named trust, a form of which is attached.

   Name of Trust: John E. Forte Declaration of Trust dated April 29, 1981

4. Before issuing its policy of title insurance, the Company will require the following for the below-named limited partnership:

   Name: The Forte Family Limited Partnership, a California limited partnership

   Certificate of Limited Partnership filed with the Secretary of State, in compliance with the provisions of the California Revised Limited Partnership Act, Section 15611 et. seq., Corporations Code.
   Certified Copy of the Certificate of Limited Partnership certified by the Secretary of State filed with the County Recorder.

   The Company reserves the right to add additional items or make further requirements after review of the requested documentation

END OF REQUIREMENTS

INFORMATIONAL NOTES SECTION

1. None of the items shown in this report will cause the Company to decline to attach ALTA Endorsement Form 9 to an Extended Coverage Loan Policy, when issued.

2. The Company is not aware of any matters which would cause it to decline to attach CLTA Endorsement Form 116 indicating that there is located on said Land, a Commercial property, known as 10990 North Woodside Avenue, located within the City of Santee, California, to an Extended Coverage Loan Policy.

3. Note: The policy of title insurance will include an arbitration provision. The Company or the insured may demand arbitration. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the insured arising out of or relating to this policy, any service of the Company in connection with its issuance or the breach of a policy provision or other obligation. Please ask your escrow or title officer for a sample copy of the policy to be issued if you wish to review the arbitration provisions and any other provisions pertaining to your Title Insurance coverage.

4. Notice: Please be aware that due to the conflict between federal and state laws concerning the cultivation, distribution, manufacture or sale of marijuana, the Company is not able to close or insure any transaction involving Land that is associated with these activities.

5. Pursuant to Government Code Section 27388.1, as amended and effective as of 1-1-2018, a Documentary Transfer Tax (DTT) Affidavit may be required to be completed and submitted with each document when DTT is being paid or when an exemption is being claimed from paying the tax. If a governmental agency is a party to the document, the form will not be required. DTT Affidavits may be available at a Tax Assessor-County Clerk-Recorder.

6. The following Exclusion(s) are added to preliminary reports, commitments and will be included as an endorsement in the following policies:

   A. 2006 ALTA Owner's Policy (06-17-06).

      6. Defects, liens, encumbrances, adverse claims, notices, or other matters not appearing in the Public Records but that would be disclosed by an examination of any records maintained by or on behalf of a Tribe or on behalf of its members.

   B. 2006 ALTA Loan Policy (06-17-06).

      8. Defects, liens, encumbrances, adverse claims, notices, or other matters not appearing in the Public Records but that would be disclosed by an examination of any records maintained by or on behalf of a Tribe or on behalf of its members.

      9. Any claim of invalidity, unenforceability, or lack of priority of the lien of the Insured Mortgage based on the application of a Tribe's law resulting from the failure of the Insured Mortgage to specify State law as the governing law with respect to the lien of the Insured Mortgage.

   C. ALTA Homeowner's Policy of Title Insurance (12-02-13) and CLTA Homeowner's Policy of Title Insurance (12-02-13).

      10. Defects, liens, encumbrances, adverse claims, notices, or other matters not appearing in the Public Records but that would be disclosed by an examination of any records maintained by or on behalf of a Tribe or on behalf of its members.

   D. ALTA Expanded Coverage Residential Loan Policy - Assessments Priority (04-02-15).

      12. Defects, liens, encumbrances, adverse claims, notices, or other matters not appearing in the Public Records but that would be disclosed by an examination of any records maintained by or on behalf of a Tribe or on behalf of its members.

      13. Any claim of invalidity, unenforceability, or lack of priority of the lien of the Insured Mortgage based on the application of a Tribe's law resulting from the failure of the Insured Mortgage to specify State law as the governing law with respect to the lien of the Insured Mortgage.

INFORMATIONAL NOTES
(Continued)

E. CLTA Standard Coverage Policy 1990 (11-09-18).

7. Defects, liens, encumbrances, adverse claims, notices, or other matters not appearing in the public records but that would be disclosed by an examination of any records maintained by or on behalf of a tribe or on behalf of its members.

8. Any claim of invalidity, unenforceability, or lack of priority of the lien of the insured mortgage based on the application of a tribe's law resulting from the failure of the insured mortgage to specify state law as the governing law with respect to the lien of the insured mortgage.

7. Note: There are NO conveyances affecting said Land recorded within 24 months of the date of this report.

END OF INFORMATIONAL NOTES

Ted Tan/Jennifer Wright (LA/Comm)/wa

WIRESAFE™ | Inquire before you wire!

Wire Fraud Alert

This Notice is not intended to provide legal or professional advice. If you have any questions, please consult with a lawyer.

All parties to a real estate transaction are targets for wire fraud and many have lost hundreds of thousands of dollars because they simply relied on the wire instructions received via email, without further verification. **If funds are to be wired in conjunction with this real estate transaction, we strongly recommend verbal verification of wire instructions through a known, trusted phone number prior to sending funds.**

In addition, the following non-exclusive self-protection strategies are recommended to minimize exposure to possible wire fraud.

- **NEVER RELY** on emails purporting to change wire instructions. Parties to a transaction rarely change wire instructions in the course of a transaction.
- **ALWAYS VERIFY** wire instructions, specifically the ABA routing number and account number, by calling the party who sent the instructions to you. DO NOT use the phone number provided in the email containing the instructions, use phone numbers you have called before or can otherwise verify. **Obtain the phone number of relevant parties to the transaction as soon as an escrow account is opened**. DO NOT send an email to verify as the email address may be incorrect or the email may be intercepted by the fraudster.
- **USE COMPLEX EMAIL PASSWORDS** that employ a combination of mixed case, numbers, and symbols. Make your passwords greater than eight (8) characters. Also, change your password often and do NOT reuse the same password for other online accounts.
- **USE MULTI-FACTOR AUTHENTICATION** for email accounts. Your email provider or IT staff may have specific instructions on how to implement this feature.

For more information on wire-fraud scams or to report an incident, please refer to the following links:

Federal Bureau of Investigation:
http://www.fbi.gov

Internet Crime Complaint Center:
http://www.ic3.gov

TM and © Fidelity National Financial, Inc. and/or an affiliate. All rights reserved

Chicago Title Company

725 South Figueroa Street, Suite 200, Los Angeles, CA 90017
Phone: (213) 488-4300 ● Fax: (213) 488-4377

Notice of Available Discounts

Pursuant to Section 2355.3 in Title 10 of the California Code of Regulations Fidelity National Financial, Inc. and its subsidiaries ("FNF") must deliver a notice of each discount available under our current rate filing along with the delivery of escrow instructions, a preliminary report or commitment. Please be aware that the provision of this notice does not constitute a waiver of the consumer's right to be charged the filed rate. As such, your transaction may not qualify for the below discounts.

You are encouraged to discuss the applicability of one or more of the below discounts with a Company representative. These discounts are generally described below; consult the rate manual for a full description of the terms, conditions and requirements for such discount. These discounts only apply to transactions involving services rendered by the FNF Family of Companies. This notice only applies to transactions involving property improved with a one-to-four family residential dwelling.

Not all discounts are offered by every FNF Company. The discount will only be applicable to the FNF Company as indicated by the named discount.

FNF Underwritten Title Company	**Underwritten by FNF Underwriters**
CTC – Chicago Title company	CTIC – Chicago Title Insurance Company
CLTC – Commonwealth Land Title Company	CLTIC - Commonwealth Land Title Insurance Company
FNTC – Fidelity National Title Company of California	FNTIC – Fidelity National Title Insurance Company
FNTCCA - Fidelity National Title Company of California	FNTIC - Fidelity National Title Insurance Company
TICOR – Ticor Title Company of California	CTIC – Chicago Title Insurance Company
LTC – Lawyer's Title Company	CLTIC – Commonwealth Land Title Insurance Company
SLTC – ServiceLink Title Company	CTIC – Chicago Title Insurance Company

Available Discounts

DISASTER LOANS (CTIC, CLTIC, FNTIC)
The charge for a Lender's Policy (Standard or Extended coverage) covering the financing or refinancing by an owner of record, within twenty-four (24) months of the date of a declaration of a disaster area by the government of the United States or the State of California on any land located in said area, which was partially or totally destroyed in the disaster, will be fifty percent (50%) of the appropriate title insurance rate.

CHURCHES OR CHARITABLE NON-PROFIT ORGANIZATIONS (CTIC, FNTIC)
On properties used as a church or for charitable purposes within the scope of the normal activities of such entities, provided said charge is normally the church's obligation the charge for an owner's policy shall be fifty percent (50%) to seventy percent (70%) of the appropriate title insurance rate, depending on the type of coverage selected. The charge for a lender's policy shall be forty (40%) to fifty percent (50%) of the appropriate title insurance rate, depending on the type of coverage selected.

FIDELITY NATIONAL FINANCIAL, INC.
PRIVACY NOTICE

Effective August 1, 2021

Fidelity National Financial, Inc. and its majority-owned subsidiary companies (collectively, "FNF," "our," or "we") respect and are committed to protecting your privacy. This Privacy Notice explains how we collect, use, and protect personal information, when and to whom we disclose such information, and the choices you have about the use and disclosure of that information.

A limited number of FNF subsidiaries have their own privacy notices. If a subsidiary has its own privacy notice, the privacy notice will be available on the subsidiary's website and this Privacy Notice does not apply.

Collection of Personal Information

FNF may collect the following categories of Personal Information:

- contact information (*e.g.*, name, address, phone number, email address);
- demographic information (*e.g.*, date of birth, gender, marital status);
- identity information (*e.g.* Social Security Number, driver's license, passport, or other government ID number);
- financial account information (*e.g.* loan or bank account information); and
- other personal information necessary to provide products or services to you.

We may collect Personal Information about you from:

- information we receive from you or your agent;
- information about your transactions with FNF, our affiliates, or others; and
- information we receive from consumer reporting agencies and/or governmental entities, either directly from these entities or through others.

Collection of Browsing Information

FNF automatically collects the following types of Browsing Information when you access an FNF website, online service, or application (each an "FNF Website") from your Internet browser, computer, and/or device:

- Internet Protocol (IP) address and operating system;
- browser version, language, and type;
- domain name system requests; and
- browsing history on the FNF Website, such as date and time of your visit to the FNF Website and visits to the pages within the FNF Website.

Like most websites, our servers automatically log each visitor to the FNF Website and may collect the Browsing Information described above. We use Browsing Information for system administration, troubleshooting, fraud investigation, and to improve our websites. Browsing Information generally does not reveal anything personal about you, though if you have created a user account for an FNF Website and are logged into that account, the FNF Website may be able to link certain browsing activity to your user account.

Other Online Specifics

Cookies. When you visit an FNF Website, a "cookie" may be sent to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer's hard drive. Information gathered using cookies helps us improve your user experience. For example, a cookie can help the website load properly or can customize the display page based on your browser type and user preferences. You can choose whether or not to accept cookies by changing your Internet browser settings. Be aware that doing so may impair or limit some functionality of the FNF Website.

Web Beacons. We use web beacons to determine when and how many times a page has been viewed. This information is used to improve our websites.

Do Not Track. Currently our FNF Websites do not respond to "Do Not Track" features enabled through your browser.

Links to Other Sites. FNF Websites may contain links to unaffiliated third-party websites. FNF is not responsible for the privacy practices or content of those websites. We recommend that you read the privacy policy of every website you visit.

Use of Personal Information

FNF uses Personal Information for three main purposes:

- To provide products and services to you or in connection with a transaction involving you.
- To improve our products and services.
- To communicate with you about our, our affiliates', and others' products and services, jointly or independently.

When Information Is Disclosed

We may disclose your Personal Information and Browsing Information in the following circumstances:

- to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure;
- to nonaffiliated service providers who provide or perform services or functions on our behalf and who agree to use the information only to provide such services or functions;

Copyright © 2021. Fidelity National Financial, Inc. All Rights Reserved

- to nonaffiliated third party service providers with whom we perform joint marketing, pursuant to an agreement with them to jointly market financial products or services to you;
- to law enforcement or authorities in connection with an investigation, or in response to a subpoena or court order; or
- in the good-faith belief that such disclosure is necessary to comply with legal process or applicable laws, or to protect the rights, property, or safety of FNF, its customers, or the public.

The law does not require your prior authorization and does not allow you to restrict the disclosures described above. Additionally, we may disclose your information to third parties for whom you have given us authorization or consent to make such disclosure. We do not otherwise share your Personal Information or Browsing Information with nonaffiliated third parties, except as required or permitted by law. We may share your Personal Information with affiliates (other companies owned by FNF) to directly market to you. Please see "Choices with Your Information" to learn how to restrict that sharing.

We reserve the right to transfer your Personal Information, Browsing Information, and any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets, or in the event of bankruptcy, reorganization, insolvency, receivership, or an assignment for the benefit of creditors. By submitting Personal Information and/or Browsing Information to FNF, you expressly agree and consent to the use and/or transfer of the foregoing information in connection with any of the above described proceedings.

Security of Your Information
We maintain physical, electronic, and procedural safeguards to protect your Personal Information.

Choices With Your Information
If you do not want FNF to share your information among our affiliates to directly market to you, you may send an "opt out" request as directed at the end of this Privacy Notice. We do not share your Personal Information with nonaffiliates for their use to direct market to you without your consent.

Whether you submit Personal Information or Browsing Information to FNF is entirely up to you. If you decide not to submit Personal Information or Browsing Information, FNF may not be able to provide certain services or products to you.

For California Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties, except as permitted by California law. For additional information about your California privacy rights, please visit the "California Privacy" link on our website (https://fnf.com/pages/californiaprivacy.aspx) or call (888) 413-1748.

For Nevada Residents: You may be placed on our internal Do Not Call List by calling (888) 714-2710 or by contacting us via the information set forth at the end of this Privacy Notice. Nevada law requires that we also provide you with the following contact information: Bureau of Consumer Protection, Office of the Nevada Attorney General, 555 E. Washington St., Suite 3900, Las Vegas, NV 89101; Phone number: (702) 486-3132; email: BCPINFO@ag.state.nv.us.
For Oregon Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties for marketing purposes, except after you have been informed by us of such sharing and had an opportunity to indicate that you do not want a disclosure made for marketing purposes.

For Vermont Residents: We will not disclose information about your creditworthiness to our affiliates and will not disclose your personal information, financial information, credit report, or health information to nonaffiliated third parties to market to you, other than as permitted by Vermont law, unless you authorize us to make those disclosures.

Information From Children
The FNF Websites are not intended or designed to attract persons under the age of eighteen (18).We do not collect Personal Information from any person that we know to be under the age of thirteen (13) without permission from a parent or guardian.

International Users
FNF's headquarters is located within the United States. If you reside outside the United States and choose to provide Personal Information or Browsing Information to us, please note that we may transfer that information outside of your country of residence. By providing FNF with your Personal Information and/or Browsing Information, you consent to our collection, transfer, and use of such information in accordance with this Privacy Notice.

FNF Website Services for Mortgage Loans
Certain FNF companies provide services to mortgage loan servicers, including hosting websites that collect customer information on behalf of mortgage loan servicers (the "Service Websites"). The Service Websites may contain links to both this Privacy Notice and the mortgage loan servicer or lender's privacy notice. The sections of this Privacy Notice titled When Information is Disclosed, Choices with Your Information, and Accessing and Correcting Information do not apply to the Service Websites. The mortgage loan servicer or lender's privacy notice governs use, disclosure, and access to your Personal Information. FNF does not share Personal Information collected through the Service Websites, except as required or authorized by contract with the mortgage loan servicer or lender, or as required by law or in the good-faith belief that such disclosure is necessary: to comply with a legal process or applicable law, to enforce this Privacy Notice, or to protect the rights, property, or safety of FNF or the public.

Copyright © 2021. Fidelity National Financial, Inc. All Rights Reserved

Your Consent To This Privacy Notice; Notice Changes

By submitting Personal Information and/or Browsing Information to FNF, you consent to the collection and use of the information in accordance with this Privacy Notice. We may change this Privacy Notice at any time. The Privacy Notice's effective date will show the last date changes were made. If you provide information to us following any change of the Privacy Notice, that signifies your assent to and acceptance of the changes to the Privacy Notice.

Accessing and Correcting Information; Contact Us

If you have questions, would like to correct your Personal Information, or want to opt-out of information sharing for affiliate marketing, visit FNF's Opt Out Page or contact us by phone at (888) 714-2710 or by mail to:

Fidelity National Financial, Inc.
601 Riverside Avenue,
Jacksonville, Florida 32204
Attn: Chief Privacy Officer

Copyright © 2021. Fidelity National Financial, Inc. All Rights Reserved

ATTACHMENT ONE (Revised 05-06-16)

CALIFORNIA LAND TITLE ASSOCIATION
STANDARD COVERAGE POLICY – 1990

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
   (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
   (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
   (c) resulting in no loss or damage to the insured claimant;
   (d) attaching or created subsequent to Date of Policy; or
   (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
   Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13)
ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE

EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
   a. building;
   b. zoning;
   c. land use;
   d. improvements on the Land;
   e. land division; and
   f. environmental protection.
   This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
   a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
   b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;

© California Land Title Association. All rights reserved.
The use of this Form is restricted to CLTA subscribers in good standing as of the date of use. All other uses are prohibited. Reprinted under license or express permission from the California Land Title Association.

c. that result in no loss to You; or
d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.

5. Failure to pay value for Your Title.
6. Lack of a right:
   a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
   b. in streets, alleys, or waterways that touch the Land.
   This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.
8. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
9. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:

- For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
Covered Risk 16:	1.00% of Policy Amount Shown in Schedule A or $2,500.00 (whichever is less)	$ 10,000.00
Covered Risk 18:	1.00% of Policy Amount Shown in Schedule A or $5,000.00 (whichever is less)	$ 25,000.00
Covered Risk 19:	1.00% of Policy Amount Shown in Schedule A or $5,000.00 (whichever is less)	$ 25,000.00
Covered Risk 21:	1.00% of Policy Amount Shown in Schedule A or $2,500.00 (whichever is less)	$ 5,000.00

2006 ALTA LOAN POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13 or 14); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
   (a) a fraudulent conveyance or fraudulent transfer, or
   (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

{Except as provided in Schedule B - Part II,{ t{or T}his policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

© California Land Title Association. All rights reserved.
The use of this Form is restricted to CLTA subscribers in good standing as of the date of use. All other uses are prohibited. Reprinted under license or express permission from the California Land Title Association.

{PART I

{The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.}

PART II

In addition to the matters set forth in Part I of this Schedule, the Title is subject to the following matters, and the Company insures against loss or damage sustained in the event that they are not subordinate to the lien of the Insured Mortgage:}

2006 ALTA OWNER'S POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
   (a) a fraudulent conveyance or fraudulent transfer; or
   (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:
{The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown in the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records. }
7. {Variable exceptions such as taxes, easements, CC&R's, etc. shown here.}

© California Land Title Association. All rights reserved.
The use of this Form is restricted to CLTA subscribers in good standing as of the date of use. All other uses are prohibited. Reprinted under license or express permission from the California Land Title Association.

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY – ASSESSMENTS PRIORITY (04-02-15)

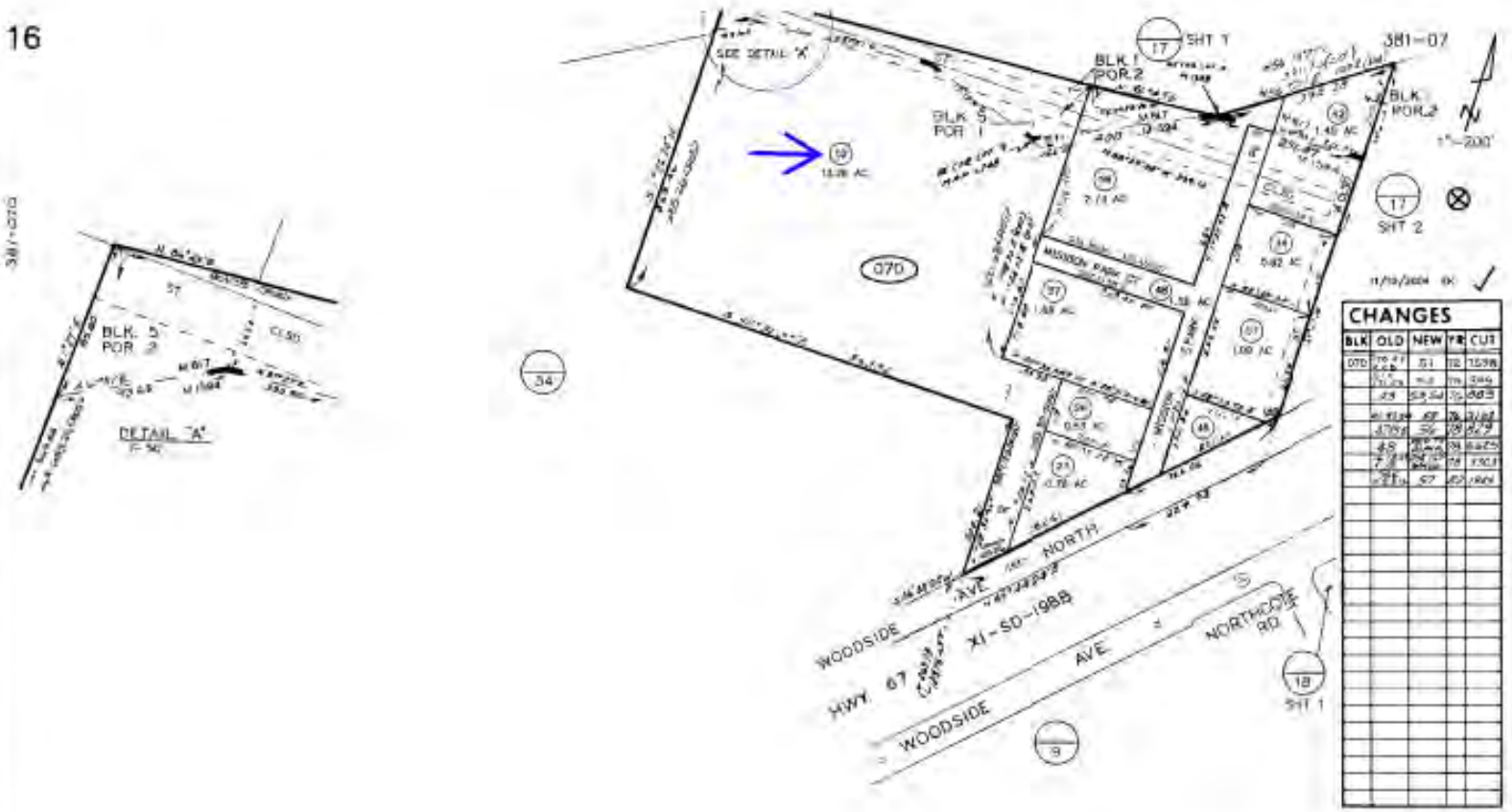
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury, or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
   (a) a fraudulent conveyance or fraudulent transfer, or
   (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.
10. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
11. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

© California Land Title Association. All rights reserved.
The use of this Form is restricted to CLTA subscribers in good standing as of the date of use. All other uses are prohibited. Reprinted under license or express permission from the California Land Title Association.

16



CHANGES

BLK	OLD	NEW	YR	CUT
070	[illegible]	51	12	1598
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]

SAN DIEGO COUNTY ASSESSOR'S MAP BOOK 381 PAGE 07

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL SUBDIVISION OR BUILDING ORDINANCES.

MAP 1594 - STEVENS & HARTLEYS ALFALFA LANDS RESUB LOTS 1-19
MAP 817 - RANCIO EL CAJON LOTS H & O
ROS 11770,12197,15381

This map plat is being furnished as an aid in locating the herein described Land in relation to adjoining streets, natural boundaries and other land, and is not a survey of the land depicted. Except to the extent a policy of title insurance is expressly modified by endorsement, if any, the Company does not insure dimensions, distances, location of easements, acreage or other matters shown thereon.

OWNER'S DECLARATION

Escrow No.: 00183801-021-JI5-1TW
Property Address: 10990 North Woodside Avenue
Santee, CA

The undersigned hereby declares as follows:

1. (Fill in the applicable paragraph and strike the other)

   a. Declarant ("Owner") is the owner or lessee, as the case may be, of certain premises located at 10990 North Woodside Avenue, Santee, CA, further described as follows: See Preliminary Report/Commitment No. 00183801-TW for full legal description (the "Land").

   b. Declarant is the _____ of _____ ("Owner"), which is the owner or lessee, as the case may be, of certain premises located at 10990 North Woodside Avenue, Santee, CA, further described as follows: See Preliminary Report/Commitment No. 00183801-TW for full legal description (the "Land").

2. (Fill in the applicable paragraph and strike the other)

   a. During the period of six months immediately preceding the date of this declaration no work has been done, no surveys or architectural or engineering plans have been prepared, and no materials have been furnished in connection with the erection, equipment, repair, protection or removal of any building or other structure on the Land or in connection with the improvement of the Land in any manner whatsoever.

   b. During the period of six months immediately preceding the date of this declaration certain work has been done and materials furnished in connection with _____ upon the Land in the approximate total sum of $_____, but no work whatever remains to be done and no materials remain to be furnished to complete the construction in full compliance with the plans and specifications, nor are there any unpaid bills incurred for labor and materials used in making such improvements or repairs upon the Land, or for the services of architects, surveyors or engineers, except as follows: _____. Owner, by the undersigned Declarant, agrees to and does hereby indemnify and hold harmless Chicago Title Company against any and all claims arising therefrom.

3. Owner has not previously conveyed the Land; is not a debtor in bankruptcy (and if a partnership, the general partner thereof is not a debtor in bankruptcy); and has not received notice of any pending court action affecting the title to the Land.

4. Except as shown in the above-referenced Preliminary Report/Commitment, there are no unpaid or unsatisfied mortgages, deeds of trust, Uniform Commercial Code financing statements, regular assessments, special assessments, periodic assessments or any assessment from any source, claims of lien, special assessments, or taxes that constitute a lien against the Land or that affect the Land but have not been recorded in the public records. There are no violations of the covenants, conditions and restrictions as shown in the above-referenced Preliminary Report/Commitment.

5. The Land is currently in use as _____; _____ occupy/occupies the Land; and the following are all of the leases or other occupancy rights affecting the Land:

   _____

6. There are no other persons or entities that assert an ownership interest in the Land, nor are there unrecorded easements, claims of easement, or boundary disputes that affect the Land.

7. There are no outstanding options to purchase or rights of first refusal affecting the Land.

8. Between the most recent Effective Date of the above-referenced Preliminary Report/Commitment and the date of recording of the Insured Instrument(s), Owner has not taken or allowed, and will not take or allow, any action or inaction to encumber or otherwise affect title to the Land.

This declaration is made with the intention that Chicago Title Company (the "Company") and its policy issuing agents will rely upon it in issuing their title insurance policies and endorsements. Owner, by the undersigned Declarant, agrees to indemnify the Company against loss or damage (including attorneys fees, expenses, and costs) incurred by the Company as a result of any untrue statement made herein.

I declare under penalty of perjury that the foregoing is true and correct and that this declaration was executed on _____ at _____.

Signature: _____

STATEMENT OF INFORMATION

CONFIDENTIAL INFORMATION STATEMENT TO BE USED IN CONNECTION WITH ORDER NO: 00183801-021-JI5-1TW

COMPLETION OF THIS FORM WILL EXPEDITE YOUR ORDER AND WILL HELP PROTECT YOU.

THE STREET ADDRESS of the property in this transaction is:
IF NONE LEAVE BLANK

ADDRESS: CITY:

IMPROVEMENTS: ☐ SINGLE RESIDENCE ☐ MULTIPLE RESIDENCE ☐ COMMERCIAL
OCCUPIED BY: ☐ OWNER ☐ LESSEE ☐ TENANTS
ANY PORTION OF NEW LOAN FUNDS TO BE USED FOR CONSTRUCTION: ☐ YES ☐ NO

NAME			**SPOUSES NAME**		
FIRST	MIDDLE	LAST	FIRST	MIDDLE	LAST
BIRTHPLACE		BIRTH DATE	BIRTHPLACE		BIRTH DATE
I HAVE LIVED IN CALIFORNIA SINCE		SOCIAL SECURITY NUMBER	I HAVE LIVED IN CALIFORNIA SINCE		SOCIAL SECURITY NUMBER
DRIVER'S LICENSE NO.			DRIVER'S LICENSE NO.		

WIFE'S MAIDEN NAME:

WE WERE MARRIED ON AT

RESIDENCE(S) FOR LAST 10 YEARS

NUMBER AND STREET	CITY	FROM	TO
NUMBER AND STREET	CITY	FROM	TO
NUMBER AND STREET	CITY	FROM	TO
NUMBER AND STREET	CITY	FROM	TO

OCCUPATION(S) FOR LAST 10 YEARS

HUSBAND

PRESENT OCCUPATION	FIRM NAME	ADDRESS	NO. OF YEARS
PRIOR OCCUPATION	FIRM NAME	ADDRESS	NO. OF YEARS
PRIOR OCCUPATION	FIRM NAME	ADDRESS	NO. OF YEARS

WIFE

PRESENT OCCUPATION	FIRM NAME	ADDRESS	NO. OF YEARS
PRIOR OCCUPATION	FIRM NAME	ADDRESS	NO. OF YEARS
PRIOR OCCUPATION	FIRM NAME	ADDRESS	NO. OF YEARS

FORMER MARRIAGES: IF NO FORMER MARRIAGES, WRITE "NONE":

NAME OF FORMER SPOUSE

IF DECEASED: DATE WHERE

CURRENT LOAN ON PROPERTY

PAYMENTS ARE BEING MADE TO: 2.

1. 3.

HOMEOWNERS ASSOCIATION NUMBER:

DATE SIGNATURE

HOME PHONE BUSINESS PHONE

RECORDING REQUESTED BY
Chicago Title Company
WHEN RECORDED MAIL TO:
=addressee=

ORDER NO.: **00183801-021-JI5-1TW**

SPACE ABOVE THIS LINE FOR RECORDER'S USE

CERTIFICATION OF TRUST
California Probate Code Section 18100.5

The undersigned declare(s) under penalty of perjury under the laws of the State of California that the following is true and correct:

1. The Trust known as _____, executed on _____, is a valid and existing trust.

2. The name(s) of the settlor(s) of the Trust is (are): _____
_____

3. The name(s) of the currently acting trustee(s) is (are): _____
_____

4. The trustee(s) of the Trust have the following powers (initial applicable line(s)):
_____Power to acquire additional property.
_____Power to sell and execute deeds.
_____Power to encumber, and execute deeds of trust.
_____Other: _____

5. The Trust is (check one): _____ Revocable _____ Irrevocable

   The name of the person who may revoke the Trust is: _____

6. The number of trustees who must sign documents in order to exercise the powers of the Trust is (are): _____, whose name(s) is (are): _____

7. Title to Trust assets is to be taken as follows: _____

8. The Trust has not been revoked, modified or amended in any manner which would cause the representations contained herein to be incorrect.

9. I (we) am (are) all of the currently acting trustees.

10. I (we) understand that I (we) may be required to provide copies of excerpts from the original Trust documents which designate the trustees and confer the power to act in the pending transaction.

Dated: _____ _____

_____

(Acknowledgement must be attached)

CERTIFICATE OF ACKNOWLEDGEMENT OF NOTARY PUBLIC

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
COUNTY OF } SS:

On _____ before me,
_____,
Notary Public, personally appeared _____
who proved to me on the basis of satisfactory evidence to be the person(s)whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies) and that by his/her/their signature(s)on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

CERTIFICATE OF ACKNOWLEDGEMENT OF NOTARY PUBLIC

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
COUNTY OF } SS:

On _____ before me,
_____,
Notary Public, personally appeared _____
who proved to me on the basis of satisfactory evidence to be the person(s)whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies) and that by his/her/their signature(s)on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

Appendix J-1
Preliminary Hydrology Study

PRELIMINARY HYDROLOGY STUDY

For:

PALISADE SANTEE BUSINESS CENTER

Project Site Location/Address:
1099 N Woodside Avenue
Santee, CA 92071

Prepared For:
North Palisade Partners
1330 Factory Place STE 105
Los Angeles, CA 90013

Lead Agency:
City of Santee
10601 Magnolia Avenue
Santee, CA 92071

Prepared by:
DRC Engineering, Inc.
160 S. Old Springs Road, Suite 210
Anaheim, CA 92808
(714) 685-6860
Matthew Hellesen, P.E.

January 10, 2024

Project No. 22-534

TABLE OF CONTENTS

SECTION 1.0 **PROJECT DESCRIPTION**
- Introduction
- Project Description

SECTION 2.0 **VICINITY MAP**

SECTION 3.0 **DESCRIPTION OF WATERSHED**
- Existing Site Conditions
- Proposed Site Conditions
- City of Santee San Diego River 100-Year Flood Level
- Hydrologic Unit Contribution

SECTION 4.0 **METHODOLOGY**
- Drainage System Overview
- Hydrology Software

SECTION 5.0 **CALCULATIONS**
- Runoff Coefficient
- Rational Method
- 100-Year Flood Analysis

SECTION 6.0 **CONCLUSION**

SECTION 7.0 **REFERENCES**

SECTION 8.0 **DECLARATION OF RESPONSIBLE CHARGE**

SECTION 9.0 **ATTACHMENTS**
- Attachment 1 – Figures & Tables
- Attachment 2 – Watershed Information
- Attachment 3 – Pre & Post Development Runoff Calculations

SECTION 1.0 – PROJECT DESCRIPTION

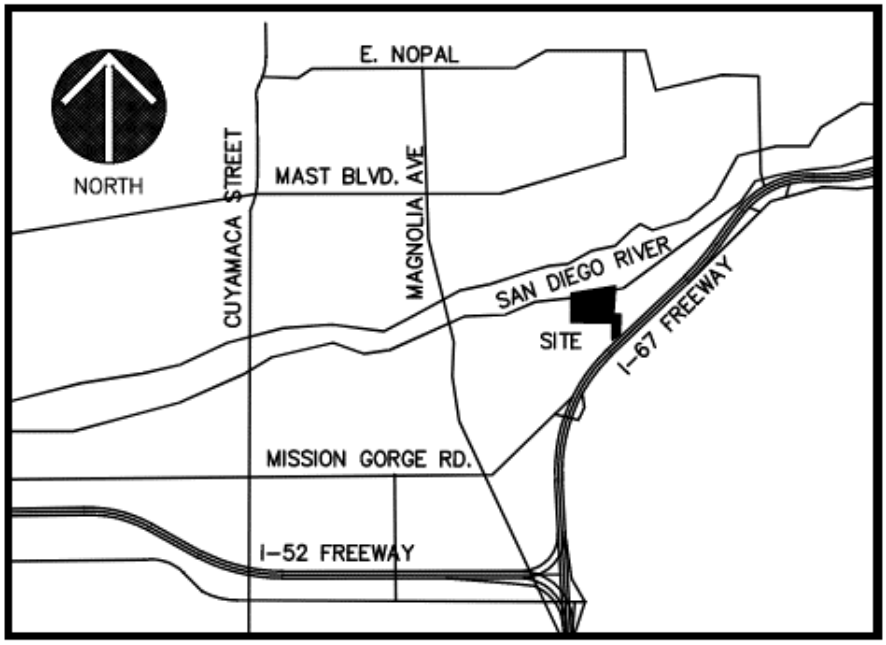
Purpose of Study

The purpose of this study is to support the design and construction of a 300,145 square foot warehouse along with site improvements at 1099 N Woodside Avenue. The study will confirm post developed runoff does not exceed pre-developed peak flows and insure there will be no negative impacts to surrounding and downstream properties. The study will also discuss 100-year water surface elevations calculated for the neighboring San Diego River based on the "City of Santee Citywide Drainage Study" by BSI Consultants, Inc. written in 1990.

Project Description

The project proposes to build a 300,145 square foot warehouse within the property featuring two loading docks to the north and south. The overall footprint of the property is 16.8 acres. The site will also feature associated parking stalls walkways, 2 trash enclosures, landscaping and on-site utilities including storm drain, water and sewer. Access to the site will follow the existing drive-in movie theater currently on the property and be from Woodside Avenue.

SECTION 2.0 – VICINITY MAP



VICINITY MAP
NTS

SECTION 3.0 – DESCRIPTION OF WATERSHED

Existing Site Conditions

The existing site consists of a drive-in movie theater featuring a paved parking lot, two large viewing screens and a building in the center of the site that includes restrooms and a snack bar. The property is accessed from Woodside Avenue on the south and neighbors the San Diego River to the north. Drainage on the site is moderately flat sloping towards the northwest of the site into the San Diego River with no on-site storm drain. All water currently surface flows into the San Diego River

Approximately 3.5 acres of onsite run-on currently flows onto the site. An existing 24 inch culvert located under CA-67 Freeway outlets at the entrance of site off of Woodside Avenue. This culvert collects approximately 2.8 acres from the freeway as well as the southern portion of Woodside Drive. An additional 0.7 acres covering the northern portion of Woodside Ave collects in the curb and gutter from south of Wheatlands Ave and outlets at the existing entrance of the site.

See the Existing Hydrology Map in Attachment 2.

Proposed Site Conditions

The proposed site will feature a 300,145 square foot warehouse along with associated parking stalls, walkways, 2 trash enclosures, landscaping and on-site utilities including storm drain, water and sewer. The site will generally match the existing drainage conditions. All onsite flows will be routed to an underground infiltration chamber that is sized based on County of San Diego LID requirements. High flows will bypass the infiltration system via a diversion manhole and will overflow into a proposed storm drain headwall structure. A rip-rap pad at the headwall outlet will provide energy dissipation and will prevent slope scour and erosion.

Offsite flows from the existing culvert and Woodside Avenue to the south will be accepted by a proposed 24” bypass storm drain and will outlet to the San Diego River via a headwall structure with rip-rap, matching existing drainage patterns. It should be noted that the bypass storm drain will not be connected to the underground infiltration chambers.

See the Proposed Hydrology Map in Attachment 2.

City of Santee Citywide Drainage Study San Diego River 100-Year Flood Level

The City of Santee Citywide Drainage Study written by BSI consultants was used as the basis for reviewing 100-Year flood levels within the San Diego River relative to our site. HEC 2 runs were performed in July of 1992 using a City of Santee flow rate yielding water surface elevations within the 100 year floodway. The HEC 2 run yielded a 100 year city water surface elevation of 351.73.

Hydrologic Unit Contribution

The project is located in the Lower San Diego Hydrologic Unit (907.1)

SECTION 4.0 METHODOLOGY

Drainage System Overview

The proposed drainage system for this project is designed to comply with the 2003 San Diego Hydrology Manual.

The system consists of a various sizes of HDPE pipe conveying stormwater to an underground infiltration chamber located to the north of the site. The infiltration chamber has been sized to infiltrate the design capture volume based on San Diego County LID requirements. The infiltration system is designed to fully retain the required design capture volume by filling the infiltration chambers. Stormwater in excess of the required design capture volume will bypass the infiltration system via a diversion manhole and will outlet to a headwall structure with rip-rap.

The infiltration chamber has a system volume of 26,891 cubic feet and consists of a total area of 6,233 sf. The infiltration chambers will pond to an elevation of 348.50 before stormwater outlets to the headwall structure via the diversion manhole.

An additional 24-inch HDPE pipe will accept flows from the existing 24-inch culvert located under CA-67 Freeway outlets at the entrance of site off of Woodside Avenue. The proposed storm drain has been designed to route stormwater to the north underneath the proposed site and outlet via a headwall structure with rip-rap. The full flow capacity of this pipe sloped at 0.5% is 20.79 cfs. See the Proposed Hydrology Map and Upstream Run-On Exhibit in Attachment 2.

The following sections detail the calculations performed and resulting compliance with the aforementioned design manuals.

Hydrology Software

Advanced Engineering Software (AES) was utilized to model the 10 year, 50 year and 100 year hydrology for the site using the Rational Method set forth in the San Diego Hydrology Manual.

SECTION 5.0 CALCULATIONS

Runoff Coefficient

The proposed site was found to be within Hydrologic Soil Group ‘A’ based on the County of San Diego Hydrology Manual Soil Hydrologic Group Map as well as UC Davis NRCS Soil Web where it was labeled as being 85% Visalia soil type.

The “C” value for both the existing and proposed condition was selected to be 0.80 which represents an 85% impervious site with Soil Type ‘A’. This land use would be considered General Commercial which matches the proposed development type. The existing site features approximately 85% impervious surface consisting of a paved parking lot.

Rational Method

Both existing and proposed conditions were ran using the Rational Method in AES to calculate the peak flows and time of concentrations seen with the 10 year, 50 year and 100 year storms. The results are below.

Peak 10-Year Runoff

	Node No.	Time of Concentration (min.)	Runoff (cfs)
Existing	**101**	**4.35**	**63.78**
Proposed (Onsite)	19	6.91	42.76
Proposed (Run-On)	11.5	8.24	13.24
Proposed (Total)	**-**	**-**	**56.00**
		Difference	- 7.78 cfs

Peak 50-Year Runoff

	Node No.	Time of Concentration (min.)	Runoff (cfs)
Existing	**101**	**4.35**	**85.04**
Proposed (Onsite)	19	7.95	56.89
Proposed (Run-On)	11.5	6.79	17.65
Proposed (Total)	**-**	**-**	**74.54**
		Difference	- 10.50 cfs

Peak 100-Year Runoff

	Node No.	Time of Concentration (min.)	Runoff (cfs)
Existing	**101**	**4.35**	**92.12**
Proposed (Onsite)	19	7.87	61.52
Proposed (Run-On)	11.5	6.99	19.13
Proposed (Total)	**-**	**-**	**80.65**
		Difference	- 11.47 cfs

See Attachment 3 for calculations.

For site run-on, a maximum flow of 19.13 cfs will be seen in the 100-Year storm and be accepted by the on-site 24-inch storm drain that bypasses the infiltration system. With a full flow capacity of 20.79 cfs, the 24-inch storm drain is an acceptable size to handle the flows seen in the existing culvert. The calculation of full flow capacity using Manning's equation can be found in Attachment 3 following the rational method calculations.

100-Year Flood Analysis

The limits of the floodway elevation of 351.73 have been depicted in the Proposed Hydrology Map found in Attachment 2. The finished floor of the proposed building is sloped and varies from 356.5 to 359.1 finished floor elevation.

SECTION 6.0 CONCLUSIONS

The study and resulting data indicate that the project will not increase 10-year, 50-year and 100-year peak runoff and therefore have no negative impact on the existing downstream storm drain facilities or properties. The finished floor of the proposed building will be over 4' higher than the 100-year flood levels that will be seen within the San Diego River. All City of Santee minimum requirements for the site have been met.

SECTION 7.0 REFERENCES

County of San Diego, Department of Public Works, Flood Control Section, June 2003 San Diego County Hydrology Manual

City of Santee, Department of Public Works, July 1992 San Diego River Flood Study

City of Santee, Department of Public Works, February 1990 City of Santee Citywide Drainage Study

SECTION 8.0 DECLARATION OF RESPONSIBLE CHARGE

I hereby declare that I am the engineer of work for this project. That I have exercised responsible charge over the design of the project as defined in section 6703 of the business and professions codes, and that the design is consistent with current design.

I understand that the check of the project drawings and specifications by the City of Santee is confined to a review only and does not relieve me, as engineer of work, of my responsibilities for project design.

ENGINEER OF WORK
DRC Engineering, Inc.
160 S Old Springs Road
Anaheim Hills, CA 92808
Tel – (714) 685-6860

Project Number: 22-534

01/10/24

Matthew Hellesen, RCE 45629 Date
Registration Expire: September 30, 2025

ATTACHMENT 1

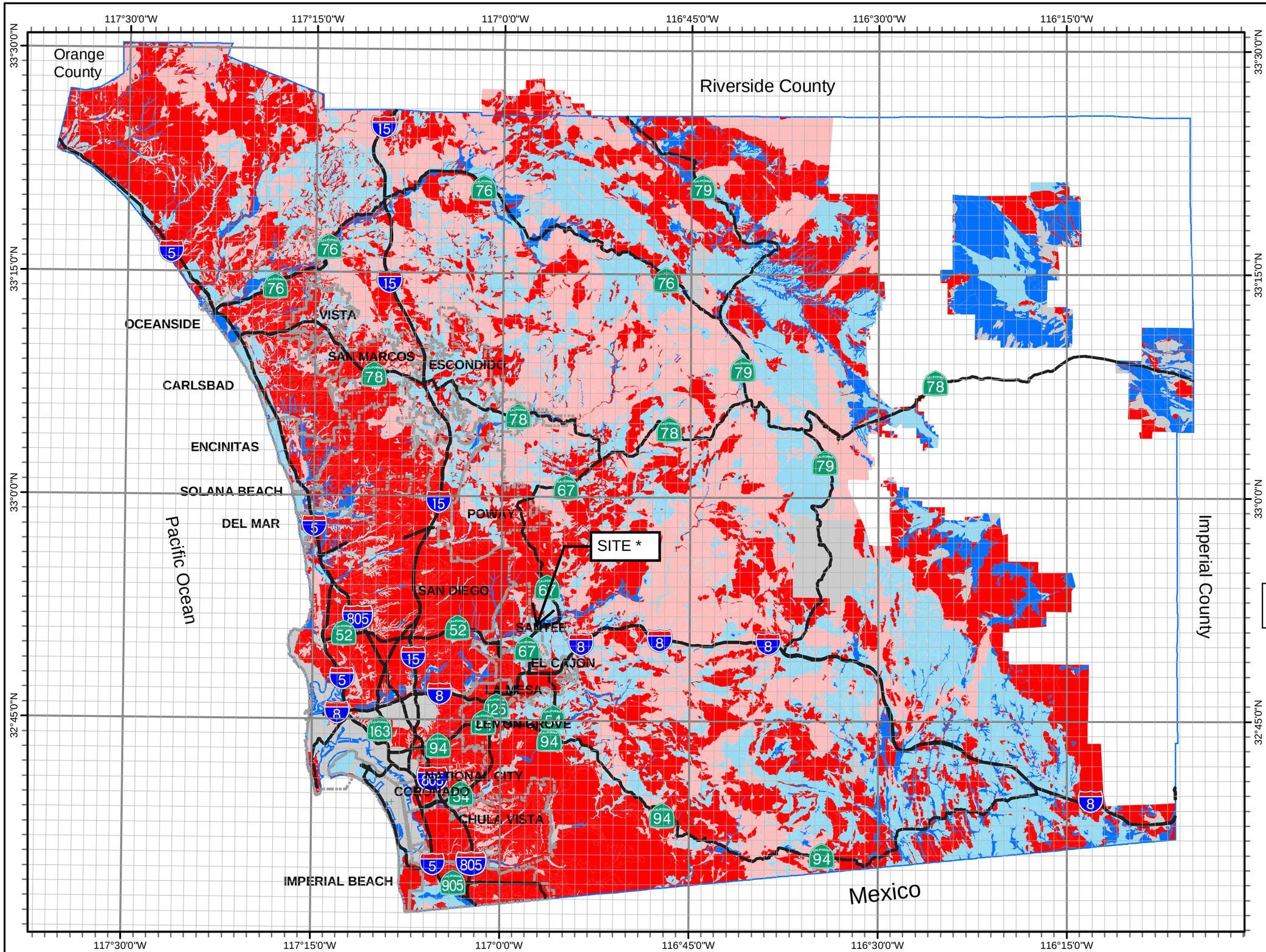
Figures & Tables

Table 3-1
RUNOFF COEFFICIENTS FOR URBAN AREAS

Land Use		Runoff Coefficient "C"				
			Soil Type			
NRCS Elements	County Elements	% IMPER.	A	B	C	D
Undisturbed Natural Terrain (Natural)	Permanent Open Space	0*	0.20	0.25	0.30	0.35
Low Density Residential (LDR)	Residential, 1.0 DU/A or less	10	0.27	0.32	0.36	0.41
Low Density Residential (LDR)	Residential, 2.0 DU/A or less	20	0.34	0.38	0.42	0.46
Low Density Residential (LDR)	Residential, 2.9 DU/A or less	25	0.38	0.41	0.45	0.49
Medium Density Residential (MDR)	Residential, 4.3 DU/A or less	30	0.41	0.45	0.48	0.52
Medium Density Residential (MDR)	Residential, 7.3 DU/A or less	40	0.48	0.51	0.54	0.57
Medium Density Residential (MDR)	Residential, 10.9 DU/A or less	45	0.52	0.54	0.57	0.60
Medium Density Residential (MDR)	Residential, 14.5 DU/A or less	50	0.55	0.58	0.60	0.63
High Density Residential (HDR)	Residential, 24.0 DU/A or less	65	0.66	0.67	0.69	0.71
High Density Residential (HDR)	Residential, 43.0 DU/A or less	80	0.76	0.77	0.78	0.79
Commercial/Industrial (N. Com)	Neighborhood Commercial	80	0.76	0.77	0.78	0.79
Commercial/Industrial (G. Com)	General Commercial	85	0.80	0.80	0.81	0.82
Commercial/Industrial (O.P. Com)	Office Professional/Commercial	90	0.83	0.84	0.84	0.85
Commercial/Industrial (Limited I.)	Limited Industrial	90	0.83	0.84	0.84	0.85
Commercial/Industrial (General I.)	General Industrial	95	0.87	0.87	0.87	0.87

*The values associated with 0% impervious may be used for direct calculation of the runoff coefficient as described in Section 3.1.2 (representing the pervious runoff coefficient, Cp, for the soil type), or for areas that will remain undisturbed in perpetuity. Justification must be given that the area will remain natural forever (e.g., the area is located in Cleveland National Forest).
DU/A = dwelling units per acre
NRCS = National Resources Conservation Service

County of San Diego Hydrology Manual Soil Hydrologic Group



Legend

- Major Roads
- Incorporated City Bdy

HYDROLOGIC SOIL GROUP

- Hydrologic Group Undefined
- Hydrologic Group A
- Hydrologic Group B
- Hydrologic Group C
- Hydrologic Group D
- No Soil Data

Note: Soil Data Source
USDA/NRCS
SSURGO Soils 2007

N

31.50 3 Miles

* UC DAVIS NRCS SOIL WEB 85% VISALIA - GROUP A

DPW GIS

SanGIS

THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
Copyright SanGIS. All Rights Reserved.

This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG.

This product may contain information which has been reproduced with permission granted by Thomas Brothers Maps.

ATTACHMENT 2

Watershed Information

County of San Diego Hydrology Manual

Rainfall Isopluvials

10 Year Rainfall Event - 6 Hours

Isopluvial (inches)

SITE

1.8 INCHES

Orange County

Riverside County

Imperial County

Mexico

Pacific Ocean

OCEANSIDE
VISTA
CARLSBAD
ESCONDIDO
ENCINITAS
SOLANA BEACH
DEL MAR
POWAY
S.D. COUNTY
SANTEE
SAN DIEGO
EL CAJON
LA MESA
LEMON GROVE
CORONADO
CHULA VISTA
IMPERIAL BEACH
SD

117°30' 117°15' 117°00' 116°45' 116°30' 116°15'
33°30' 33°15' 33°00' 32°45' 32°30'

DPW GIS
Department of Public Works
Geographic Information Services

SanGIS
We Have San Diego Covered!

THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
Copyright SanGIS. All Rights Reserved.

This products may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG.

This product may contain information which has been reproduced with permission granted by Thomas Brothers Maps.

N W E S

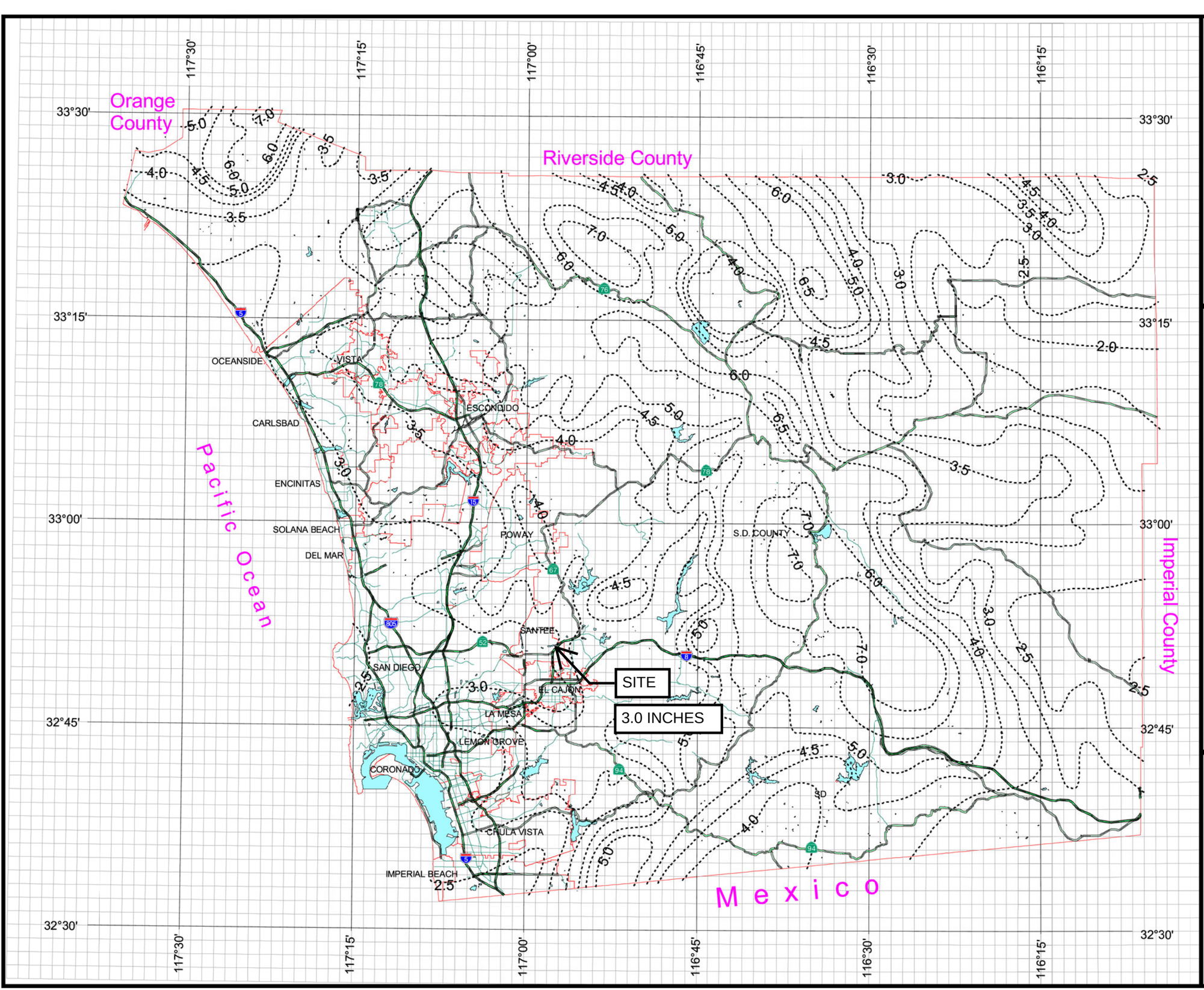
3 0 3 Miles

County of San Diego Hydrology Manual

Rainfall Isopluvials

10 Year Rainfall Event - 24 Hours

Isopluvial (inches)



DPW GIS
Department of Public Works
Geographic Information Services

SanGIS
We Have San Diego Covered!

THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
Copyright SanGIS. All Rights Reserved.

This products may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG.

This product may contain information which has been reproduced with permission granted by Thomas Brothers Maps.

N W E S

3 0 3 Miles

County of San Diego Hydrology Manual

Rainfall Isopluvials

50 Year Rainfall Event - 6 Hours

Isopluvial (inches)

SITE

2.4 INCHES

Orange County

Riverside County

Imperial County

Pacific Ocean

Mexico

OCEANSIDE
VISTA
CARLSBAD
ESCONDIDO
ENCINITAS
SOLANA BEACH
DEL MAR
POWAY
S.D. COUNTY
SANTEE
SAN DIEGO
EL CAJON
LA MESA
LEMON GROVE
CORONADO
SD
CHULA VISTA
IMPERIAL BEACH

117°30' 117°15' 117°00' 116°45' 116°30' 116°15'
33°30' 33°15' 33°00' 32°45' 32°30'

DPW GIS
Department of Public Works
Geographic Information Services

SanGIS
We Have San Diego Covered!

THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
Copyright SanGIS. All Rights Reserved.

This products may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG.

This product may contain information which has been reproducec with permission granted by Thomas Brothers Maps.

N W E S

3 0 3 Miles

County of San Diego Hydrology Manual

Rainfall Isopluvials

50 Year Rainfall Event - 24 Hours

Isopluvial (inches)

SITE

4.7 INCHES

Orange County

Riverside County

Imperial County

Mexico

Pacific Ocean

OCEANSIDE
VISTA
CARLSBAD
ESCONDIDO
ENCINITAS
SOLANA BEACH
DEL MAR
POWAY
S.D. COUNTY
SANTEE
SAN DIEGO
EL CAJON
LA MESA
LEMON GROVE
CORONADO
SD
CHULA VISTA
IMPERIAL BEACH

117°30' 117°15' 117°00' 116°45' 116°30' 116°15'
33°30' 33°15' 33°00' 32°45' 32°30'

DPW GIS
Department of Public Works Geographic Information Services

SanGIS
We Have San Diego Covered!

N
W E
S

3 0 3 Miles

THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
Copyright SanGIS. All Rights Reserved.

This products may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG.

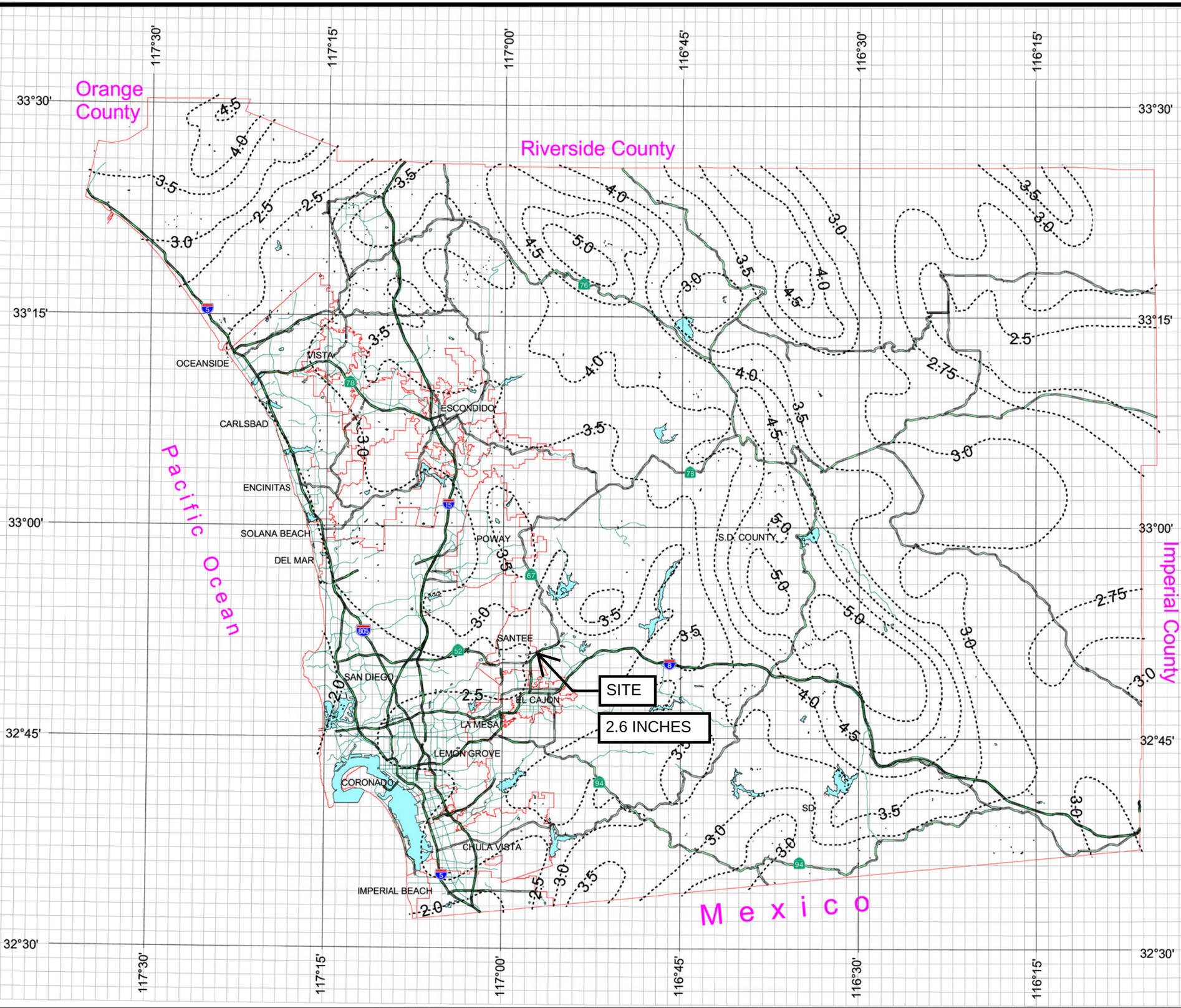
This product may contain information which has been reproduced with permission granted by Thomas Brothers Maps.

County of San Diego Hydrology Manual

Rainfall Isopluvials

100 Year Rainfall Event - 6 Hours

Isopluvial (inches)



DPW GIS
Department of Public Works
Geographic Information Services

SanGIS
We Have San Diego Covered!

N
W E
S

3 0 3 Miles

THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
Copyright SanGIS. All Rights Reserved.

This products may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG.

This product may contain information which has been reproduced with permission granted by Thomas Brothers Maps.

County of San Diego Hydrology Manual

Rainfall Isopluvials

100 Year Rainfall Event - 24 Hours

Isopluvial (inches)

Orange County

Riverside County

Imperial County

Pacific Ocean

Mexico

SITE

5.5 INCHES

OCEANSIDE
VISTA
CARLSBAD
ESCONDIDO
ENCINITAS
SOLANA BEACH
DEL MAR
POWAY
S.D. COUNTY
SANTEE
SAN DIEGO
EL CAJON
LA MESA
LEMON GROVE
CORONADO
CHULA VISTA
IMPERIAL BEACH
SD

117°30' 117°15' 117°00' 116°45' 116°30' 116°15'
33°30' 33°15' 33°00' 32°45' 32°30'

DPW GIS
Department of Public Works
Geographic Information Services

SanGIS
We Have San Diego Covered!

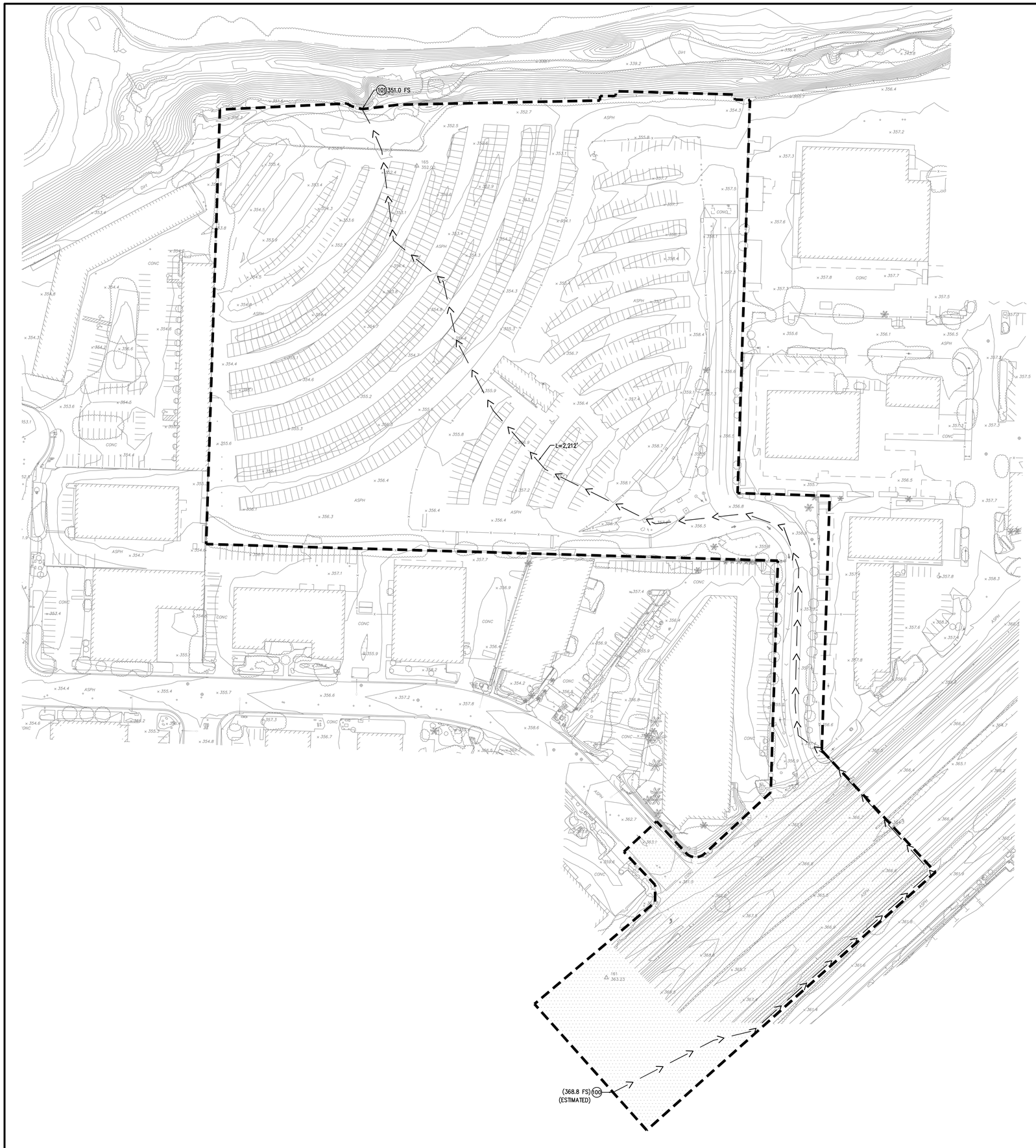
THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
Copyright SanGIS. All Rights Reserved.

This products may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG.

This product may contain information which has been reproduced with permission granted by Thomas Brothers Maps.

N W E S

3 0 3 Miles



LEGEND

- TRIBUTARY BOUNDARY
- SURFACE FLOW LINE
- FLOWLINE UNDERGROUND
- NODE NUMBER
- L=XXX' FLOW DISTANCE
- AREA CONTRIBUTING TO FLOW FROM OFFSITE

N

60' 0' 60' 120' 180'

GRAPHIC SCALE: 1"=60'

NOT FOR CONSTRUCTION

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

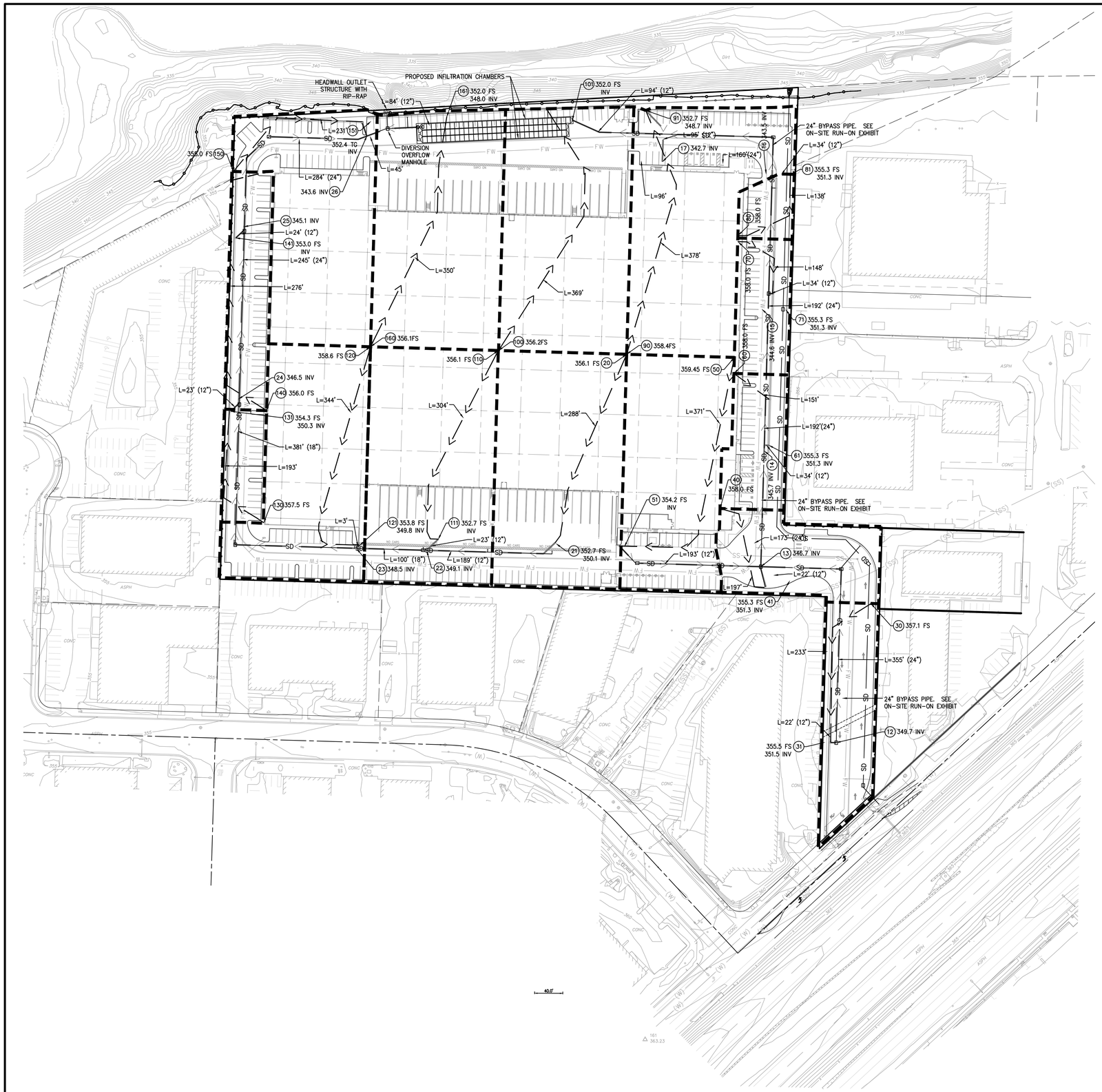
NO.:	REVISION:	DATE:

PROJECT:
NPP SANTEE
WOODSIDE AVE
SANTEE, CA

DRAWING NAME:
EXISTING HYDROLOGY MAP

ISSUE:	HYDROLOGY
DATE:	03/27/23
CHECKED: MH	DRAWN: KH
DRAWING FILE:	
PROJECT NO.:	22-534
SHEET NUMBER:	1
OF	1 SHEETS
SCALE:	AS SHOWN

FILENAME: M:\2022\22-534 NPP Woodside Ave Santee\HYD\ATTACHMENT 2\22-534 Existing Hydrology Map.dwg, LAST SAVED ON: Jul 13 2023 4:24pm PLOTTED BY: KENNY, ON: Jul 14 2023 11:10am, CFG:



LEGEND

- TRIBUTARY BOUNDARY
- SURFACE FLOW LINE
- FLOWLINE UNDERGROUND
- 100 YEAR FLOOD LEVEL (351.73)
- (1) NODE NUMBER
- L=XXX' FLOW DISTANCE

60' 0' 60' 120' 180'

GRAPHIC SCALE: 1"=60'

NOT FOR CONSTRUCTION

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

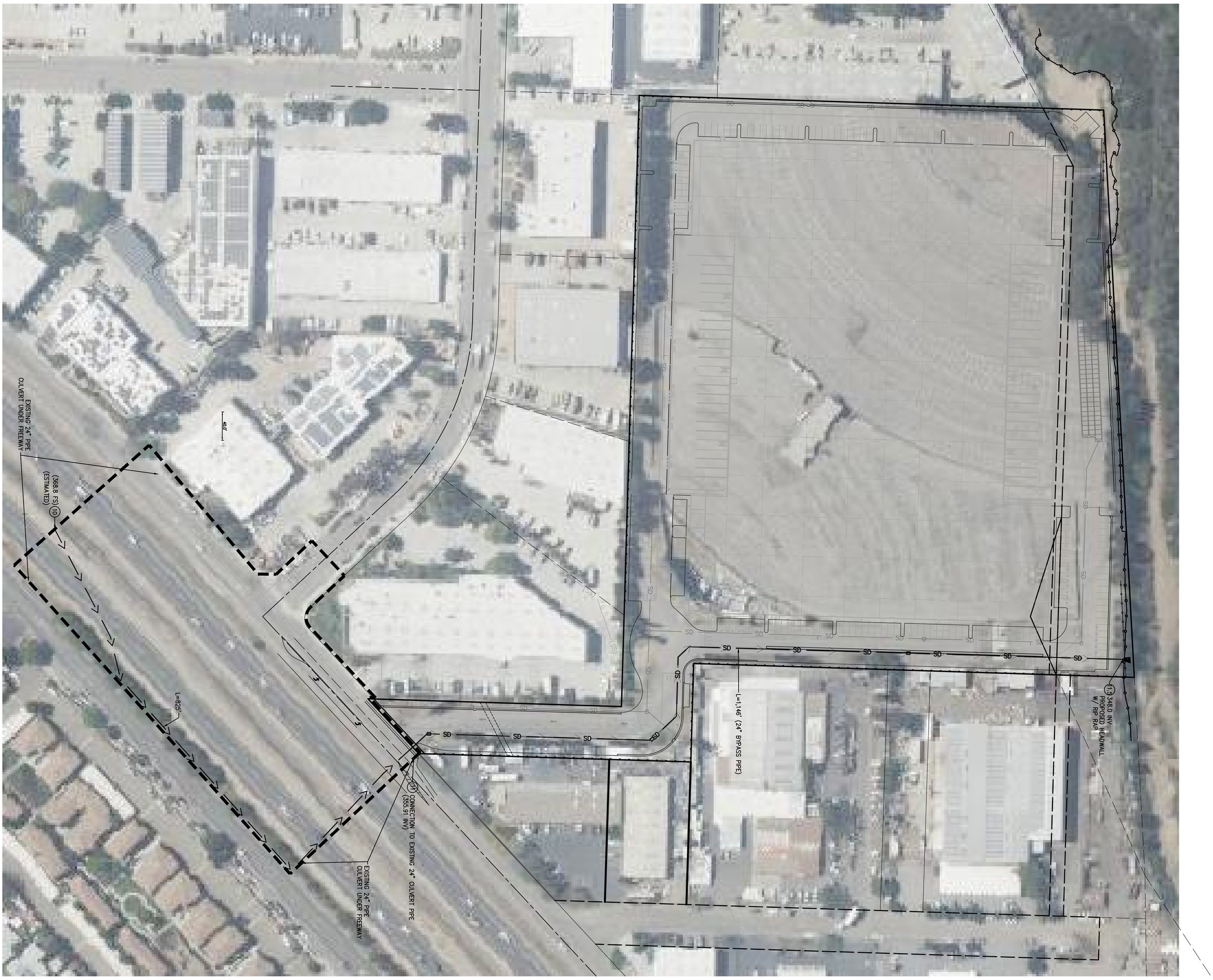
NO.:	REVISION:	DATE:

PROJECT: **NPP SANTEE**
WOODSIDE AVE
SANTEE, CA

DRAWING NAME: **PROPOSED HYDROLOGY MAP**

ISSUE:	HYDROLOGY
DATE:	03/27/23
CHECKED: MH	DRAWN: KH
DRAWING FILE:	
PROJECT NO.:	22-534
SHEET NUMBER:	1
OF	1 SHEETS
SCALE:	AS SHOWN

FILENAME: M:\2022\22-534 NPP Woodside Ave Santee\HYD\ATTACHMENT 2\22-534 Proposed Hydrology Map.dwg, LAST SAVED ON: Jan 10 2024 12:04pm PLOTTED BY: NICHOLAS, ON: Jan 10 2024 1:58pm, DFG



ISSUE:	HYDROLOGY
DATE:	03/27/23
CHECKED: MH	DRAWN: KH
DRAWING FILE:	
PROJECT NO.:	22-534
SHEET NUMBER:	1
OF	1 SHEETS
SCALE:	AS SHOWN

PROJECT: **NPP SANTEE**
WOODSIDE AVE
SANTEE, CA

DRAWING NAME: **UPSTREAM RUN-ON EXHIBIT**

NO.:	REVISION:	DATE:

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

NOT FOR CONSTRUCTION

FILENAME: M:\2022\22-534 NPP Woodside Ave Santee\HYD\ATTACHMENT 2\22-534 Upstream Run-on Exhibit.dwg, LAST SAVED ON: Jul 14 2023 12:00pm PLOTTED BY: NICHOLAS, ON: Jan 10 2024 2:07pm, CFG:

ATTACHMENT 3

Pre & Post Development Runoff Calculations

```
*****************************************************************************

            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
            Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                         2003,1985,1981 HYDROLOGY MANUAL
          (c) Copyright 1982-2015 Advanced Engineering Software (aes)
              Ver. 22.0 Release Date: 07/01/2015  License ID 1510

                              Analysis prepared by:

                              DRC Engineering, Inc.
                        160 South Old Springs Road, Suite 210
                               Anaheim Hills, CA 92808
                                    714-685-6860

 ************************** DESCRIPTION OF STUDY **************************
* 22-534 Palisade Santee                                                  *
* Existing Condition                                                      *
* 10 year                                                                 *
 *************************************************************************

  FILE NAME: 22534E.DAT
  TIME/DATE OF STUDY: 08:29 03/28/2023
-----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
-----------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) =  10.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   1.800
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 1.00
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

*****************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
-----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
=============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =  2212.00
  UPSTREAM ELEVATION(FEET) =    368.80
  DOWNSTREAM ELEVATION(FEET) =    351.00
```

```
  ELEVATION DIFFERENCE(FEET) =     17.80
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.348
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    56.09
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =     63.78
  TOTAL AREA(ACRES) =     16.81   TOTAL RUNOFF(CFS) =     63.78
================================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       16.8  TC(MIN.) =      4.35
  PEAK FLOW RATE(CFS)   =      63.78
================================================================================
================================================================================
  END OF RATIONAL METHOD ANALYSIS
```

```
**************************************************************************

            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
            Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                         2003,1985,1981 HYDROLOGY MANUAL
          (c) Copyright 1982-2015 Advanced Engineering Software (aes)
              Ver. 22.0 Release Date: 07/01/2015  License ID 1510

                              Analysis prepared by:

                              DRC Engineering, Inc.
                        160 South Old Springs Road, Suite 210
                               Anaheim Hills, CA 92808
                                    714-685-6860

 ************************* DESCRIPTION OF STUDY *************************
* 22-534 Palisade Santee                                                 *
* Existing Condition                                                     *
* 50 year                                                                *
 **************************************************************************

  FILE NAME: 22534E.DAT
  TIME/DATE OF STUDY: 08:25 03/28/2023
--------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
--------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) =  50.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   2.400
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 1.00
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
--------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==========================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =  2212.00
  UPSTREAM ELEVATION(FEET) =    368.80
  DOWNSTREAM ELEVATION(FEET) =    351.00
```

```
  ELEVATION DIFFERENCE(FEET) =     17.80
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.348
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    56.09
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =     85.04
  TOTAL AREA(ACRES) =     16.81   TOTAL RUNOFF(CFS) =     85.04
================================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       16.8  TC(MIN.) =      4.35
  PEAK FLOW RATE(CFS)   =      85.04
================================================================================
================================================================================
  END OF RATIONAL METHOD ANALYSIS
```

```
**************************************************************************

            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
            Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                         2003,1985,1981 HYDROLOGY MANUAL
          (c) Copyright 1982-2015 Advanced Engineering Software (aes)
              Ver. 22.0 Release Date: 07/01/2015  License ID 1510

                              Analysis prepared by:

                              DRC Engineering, Inc.
                        160 South Old Springs Road, Suite 210
                               Anaheim Hills, CA 92808
                                    714-685-6860

 ************************* DESCRIPTION OF STUDY *************************
* 22-534 Palisade Santee                                                 *
* Existing Condition                                                     *
* 100 year                                                              *
 ************************************************************************

  FILE NAME: 22534E.DAT
  TIME/DATE OF STUDY: 08:16 03/28/2023
------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   2.600
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 1.00
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
========================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =  2212.00
  UPSTREAM ELEVATION(FEET) =    368.80
  DOWNSTREAM ELEVATION(FEET) =    351.00
```

```
  ELEVATION DIFFERENCE(FEET) =     17.80
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.348
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    56.09
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =     92.12
  TOTAL AREA(ACRES) =     16.81   TOTAL RUNOFF(CFS) =     92.12
================================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       16.8  TC(MIN.) =      4.35
  PEAK FLOW RATE(CFS)   =      92.12
================================================================================
================================================================================
  END OF RATIONAL METHOD ANALYSIS
```

```
**************************************************************************

            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
            Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                         2003,1985,1981 HYDROLOGY MANUAL
          (c) Copyright 1982-2015 Advanced Engineering Software (aes)
              Ver. 22.0 Release Date: 07/01/2015  License ID 1510

                              Analysis prepared by:

                              DRC Engineering, Inc.
                        160 South Old Springs Road, Suite 210
                               Anaheim Hills, CA 92808
                                    714-685-6860

 ************************* DESCRIPTION OF STUDY *************************
* 22-534 Palisade Santee                                                 *
* Proposed Condition                                                     *
* 10 Year                                                               *
 ************************************************************************

  FILE NAME: 22534P.DAT
  TIME/DATE OF STUDY: 15:00 07/13/2023
------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) =  10.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   1.800
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 1.00
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

**************************************************************************
  FLOW PROCESS FROM NODE     10.00 TO NODE     11.00 IS CODE =  21
------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
========================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   825.00
  UPSTREAM ELEVATION(FEET) =    368.80
  DOWNSTREAM ELEVATION(FEET) =    355.91
```

```
  ELEVATION DIFFERENCE(FEET) =     12.89
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.850
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    68.44
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =     13.24
  TOTAL AREA(ACRES) =      3.49   TOTAL RUNOFF(CFS) =     13.24

****************************************************************************
  FLOW PROCESS FROM NODE     11.00 TO NODE     11.50 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   355.91  DOWNSTREAM(FEET) =   349.80
  FLOW LENGTH(FEET) =  1146.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  15.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.24
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      13.24
  PIPE TRAVEL TIME(MIN.) =   3.06    Tc(MIN.) =    6.91
  LONGEST FLOWPATH FROM NODE     10.00 TO NODE     11.50 =    1971.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      0.00 TO NODE      0.00 IS CODE =  13
----------------------------------------------------------------------------
  >>>>>CLEAR THE MAIN-STREAM MEMORY<<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE     30.00 TO NODE     31.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   233.00
  UPSTREAM ELEVATION(FEET) =    357.10
  DOWNSTREAM ELEVATION(FEET) =    355.50
  ELEVATION DIFFERENCE(FEET) =      1.60
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.487
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    53.73
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      2.05
  TOTAL AREA(ACRES) =      0.54   TOTAL RUNOFF(CFS) =      2.05

****************************************************************************
  FLOW PROCESS FROM NODE     31.00 TO NODE     12.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
```

```
  ELEVATION DATA: UPSTREAM(FEET) =   351.50  DOWNSTREAM(FEET) =   349.70
  FLOW LENGTH(FEET) =    22.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   3.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  10.75
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       2.05
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    4.52
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     12.00 =     255.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     12.00 TO NODE     13.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   349.70  DOWNSTREAM(FEET) =   346.70
  FLOW LENGTH(FEET) =   355.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS   4.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.46
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       2.05
  PIPE TRAVEL TIME(MIN.) =   1.33    Tc(MIN.) =    5.85
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     13.00 =     610.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     13.00 TO NODE     13.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.85
  RAINFALL INTENSITY(INCH/HR) =   4.29
  TOTAL STREAM AREA(ACRES) =     0.54
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.05

****************************************************************************
  FLOW PROCESS FROM NODE     40.00 TO NODE     41.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   197.00
  UPSTREAM ELEVATION(FEET) =    358.00
  DOWNSTREAM ELEVATION(FEET) =    355.30
  ELEVATION DIFFERENCE(FEET) =      2.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.936
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    65.56
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      2.20
  TOTAL AREA(ACRES) =      0.58   TOTAL RUNOFF(CFS) =      2.20

****************************************************************************
  FLOW PROCESS FROM NODE     41.00 TO NODE     13.00 IS CODE =  41
```

```
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   346.70
  FLOW LENGTH(FEET) =    22.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  15.31
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       2.20
  PIPE TRAVEL TIME(MIN.) =   0.02    Tc(MIN.) =    3.96
  LONGEST FLOWPATH FROM NODE     40.00 TO NODE     13.00 =     219.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     13.00 TO NODE     13.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.96
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     0.58
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.20

****************************************************************************
  FLOW PROCESS FROM NODE     50.00 TO NODE     51.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   371.00
  UPSTREAM ELEVATION(FEET) =    359.45
  DOWNSTREAM ELEVATION(FEET) =    354.20
  ELEVATION DIFFERENCE(FEET) =      5.25
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.914
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    66.23
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      4.21
  TOTAL AREA(ACRES) =      1.11   TOTAL RUNOFF(CFS) =      4.21

****************************************************************************
  FLOW PROCESS FROM NODE     51.00 TO NODE     13.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.91
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     1.11
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.21
```

```
  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        2.05     5.85        4.287          0.54
      2        2.20     3.96        4.743          0.58
      3        4.21     3.91        4.743          1.11

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  3 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        7.76     3.91       4.743
      2        7.80     3.96       4.743
      3        7.85     5.85       4.287

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       7.85   Tc(MIN.) =    5.85
  TOTAL AREA(ACRES) =        2.2
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     13.00 =     610.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     13.00 TO NODE     14.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   346.70  DOWNSTREAM(FEET) =   345.70
  FLOW LENGTH(FEET) =   173.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  10.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.68
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.85
  PIPE TRAVEL TIME(MIN.) =   0.51    Tc(MIN.) =    6.35
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     14.00 =     783.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     14.00 TO NODE     14.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.35
  RAINFALL INTENSITY(INCH/HR) =   4.06
  TOTAL STREAM AREA(ACRES) =     2.23
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.85

****************************************************************************
  FLOW PROCESS FROM NODE     60.00 TO NODE     61.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   151.00
  UPSTREAM ELEVATION(FEET) =    358.00
  DOWNSTREAM ELEVATION(FEET) =    355.30
```

```
  ELEVATION DIFFERENCE(FEET) =      2.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.771
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    71.82
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      1.37
  TOTAL AREA(ACRES) =      0.36   TOTAL RUNOFF(CFS) =      1.37

****************************************************************************
  FLOW PROCESS FROM NODE     61.00 TO NODE     14.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   345.70
  FLOW LENGTH(FEET) =    34.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  12.24
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.37
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    3.82
  LONGEST FLOWPATH FROM NODE     60.00 TO NODE     14.00 =     185.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     14.00 TO NODE     14.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.82
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     0.36
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.37

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        7.85     6.35        4.063          2.23
      2        1.37     3.82        4.743          0.36

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        8.09     3.82       4.743
      2        9.02     6.35       4.063

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       9.02   Tc(MIN.) =    6.35
  TOTAL AREA(ACRES) =        2.6
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     14.00 =     783.00 FEET.

****************************************************************************
```

```
 FLOW PROCESS FROM NODE     14.00 TO NODE     15.00 IS CODE =  41
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   345.70  DOWNSTREAM(FEET) =   344.60
 FLOW LENGTH(FEET) =   192.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  24.0 INCH PIPE IS  11.8 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   5.86
 GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       9.02
 PIPE TRAVEL TIME(MIN.) =   0.55    Tc(MIN.) =    6.90
 LONGEST FLOWPATH FROM NODE     30.00 TO NODE     15.00 =     975.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =    6.90
 RAINFALL INTENSITY(INCH/HR) =   3.85
 TOTAL STREAM AREA(ACRES) =     2.59
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      9.02

****************************************************************************
 FLOW PROCESS FROM NODE     70.00 TO NODE     71.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
 GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
 SOIL CLASSIFICATION IS "A"
 S.C.S. CURVE NUMBER (AMC II) =  89
 INITIAL SUBAREA FLOW-LENGTH(FEET) =   148.00
 UPSTREAM ELEVATION(FEET) =    358.00
 DOWNSTREAM ELEVATION(FEET) =    355.30
 ELEVATION DIFFERENCE(FEET) =      2.70
 SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.760
 WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
          THE MAXIMUM OVERLAND FLOW LENGTH =    72.36
          (Reference: Table 3-1B of Hydrology Manual)
          THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
 NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
 SUBAREA RUNOFF(CFS) =      1.29
 TOTAL AREA(ACRES) =      0.34   TOTAL RUNOFF(CFS) =      1.29

****************************************************************************
 FLOW PROCESS FROM NODE     71.00 TO NODE     15.00 IS CODE =  41
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   344.60
 FLOW LENGTH(FEET) =    34.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.2 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =  12.83
 GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       1.29
```

```
  PIPE TRAVEL TIME(MIN.) =   0.04    Tc(MIN.) =    3.80
  LONGEST FLOWPATH FROM NODE     70.00 TO NODE     15.00 =     182.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.80
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     0.34
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.29

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        9.02     6.90        3.853          2.59
      2        1.29     3.80        4.743          0.34

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        8.61     3.80       4.743
      2       10.06     6.90       3.853

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      10.06   Tc(MIN.) =    6.90
  TOTAL AREA(ACRES) =        2.9
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     15.00 =     975.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     16.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   344.60  DOWNSTREAM(FEET) =   343.50
  FLOW LENGTH(FEET) =   192.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  12.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.02
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      10.06
  PIPE TRAVEL TIME(MIN.) =   0.53    Tc(MIN.) =    7.43
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     16.00 =    1167.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     16.00 TO NODE     16.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.43
  RAINFALL INTENSITY(INCH/HR) =   3.67
```

```
  TOTAL STREAM AREA(ACRES) =     2.93
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     10.06

****************************************************************************
  FLOW PROCESS FROM NODE     80.00 TO NODE     81.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   138.00
  UPSTREAM ELEVATION(FEET) =    358.00
  DOWNSTREAM ELEVATION(FEET) =    355.30
  ELEVATION DIFFERENCE(FEET) =      2.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.723
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    74.35
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.57
  TOTAL AREA(ACRES) =      0.15   TOTAL RUNOFF(CFS) =      0.57

****************************************************************************
  FLOW PROCESS FROM NODE     81.00 TO NODE     16.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   343.50
  FLOW LENGTH(FEET) =    34.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   1.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  10.65
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       0.57
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    3.78
  LONGEST FLOWPATH FROM NODE     80.00 TO NODE     16.00 =     172.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     16.00 TO NODE     16.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.78
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     0.15
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      0.57

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       10.06     7.43        3.673          2.93
      2        0.57     3.78        4.743          0.15

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
```

```
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        8.36     3.78       4.743
      2       10.50     7.43       3.673

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      10.50   Tc(MIN.) =    7.43
  TOTAL AREA(ACRES) =        3.1
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     16.00 =    1167.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     16.00 TO NODE     17.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   343.50  DOWNSTREAM(FEET) =   342.70
  FLOW LENGTH(FEET) =   160.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  13.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.78
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      10.50
  PIPE TRAVEL TIME(MIN.) =   0.46    Tc(MIN.) =    7.89
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     17.00 =    1327.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     17.00 TO NODE     17.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.89
  RAINFALL INTENSITY(INCH/HR) =   3.53
  TOTAL STREAM AREA(ACRES) =     3.08
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     10.50

****************************************************************************
  FLOW PROCESS FROM NODE     90.00 TO NODE     91.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   378.00
  UPSTREAM ELEVATION(FEET) =    358.40
  DOWNSTREAM ELEVATION(FEET) =    352.70
  ELEVATION DIFFERENCE(FEET) =      5.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.872
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    67.62
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      5.62
```

```
  TOTAL AREA(ACRES) =      1.48   TOTAL RUNOFF(CFS) =      5.62

****************************************************************************
  FLOW PROCESS FROM NODE     91.00 TO NODE     17.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.70  DOWNSTREAM(FEET) =   342.70
  FLOW LENGTH(FEET) =    95.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   6.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  12.80
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.62
  PIPE TRAVEL TIME(MIN.) =   0.12    Tc(MIN.) =    4.00
  LONGEST FLOWPATH FROM NODE     90.00 TO NODE     17.00 =     473.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     17.00 TO NODE     17.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.00
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     1.48
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.62

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       10.50     7.89        3.533          3.08
      2        5.62     4.00        4.743          1.48

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       13.44     4.00       4.743
      2       14.69     7.89       3.533

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      14.69   Tc(MIN.) =    7.89
  TOTAL AREA(ACRES) =        4.6
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     17.00 =    1327.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     17.00 TO NODE     18.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   342.70  DOWNSTREAM(FEET) =   342.30
  FLOW LENGTH(FEET) =    96.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  18.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.72
```

```
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      14.69
  PIPE TRAVEL TIME(MIN.) =   0.28    Tc(MIN.) =    8.17
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     18.00 =    1423.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     18.00 TO NODE     18.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    8.17
  RAINFALL INTENSITY(INCH/HR) =   3.45
  TOTAL STREAM AREA(ACRES) =     4.56
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     14.69

****************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   369.00
  UPSTREAM ELEVATION(FEET) =    356.20
  DOWNSTREAM ELEVATION(FEET) =    352.00
  ELEVATION DIFFERENCE(FEET) =      4.20
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.075
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    62.07
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      5.50
  TOTAL AREA(ACRES) =      1.45   TOTAL RUNOFF(CFS) =      5.50

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE     18.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.00  DOWNSTREAM(FEET) =   342.30
  FLOW LENGTH(FEET) =    94.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  94.0 INCH PIPE IS   3.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.91
  GIVEN PIPE DIAMETER(INCH) =  94.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.50
  PIPE TRAVEL TIME(MIN.) =   0.16    Tc(MIN.) =    4.23
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE     18.00 =     463.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     18.00 TO NODE     18.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
```

```
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.23
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     1.45
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.50

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       14.69     8.17        3.454          4.56
      2        5.50     4.23        4.743          1.45

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       16.20     4.23       4.743
      2       18.69     8.17       3.454

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      18.69   Tc(MIN.) =    8.17
  TOTAL AREA(ACRES) =        6.0
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     18.00 =    1423.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     18.00 TO NODE     19.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   342.30  DOWNSTREAM(FEET) =   342.20
  FLOW LENGTH(FEET) =    24.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.95
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      18.69
  PIPE TRAVEL TIME(MIN.) =   0.07    Tc(MIN.) =    8.24
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     19.00 =    1447.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     19.00 TO NODE     19.00 IS CODE =  10
----------------------------------------------------------------------------
  >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE     19.00 TO NODE     19.00 IS CODE =  13
----------------------------------------------------------------------------
  >>>>>CLEAR THE MAIN-STREAM MEMORY<<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE     20.00 TO NODE     21.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
```

```
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   288.00
  UPSTREAM ELEVATION(FEET) =    356.10
  DOWNSTREAM ELEVATION(FEET) =    352.70
  ELEVATION DIFFERENCE(FEET) =      3.40
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.046
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    62.71
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      5.31
  TOTAL AREA(ACRES) =      1.40   TOTAL RUNOFF(CFS) =      5.31

****************************************************************************
  FLOW PROCESS FROM NODE     21.00 TO NODE     22.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   350.10  DOWNSTREAM(FEET) =   349.10
  FLOW LENGTH(FEET) =   189.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.76
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.31
  PIPE TRAVEL TIME(MIN.) =   0.47    Tc(MIN.) =    4.51
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     22.00 =     477.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     22.00 TO NODE     22.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.51
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     1.40
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.31

****************************************************************************
  FLOW PROCESS FROM NODE    110.00 TO NODE    111.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   304.00
  UPSTREAM ELEVATION(FEET) =    356.10
  DOWNSTREAM ELEVATION(FEET) =    352.70
  ELEVATION DIFFERENCE(FEET) =      3.40
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.089
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    61.78
```

```
          (Reference: Table 3-1B of Hydrology Manual)
          THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      5.27
  TOTAL AREA(ACRES) =      1.39   TOTAL RUNOFF(CFS) =      5.27

****************************************************************************
  FLOW PROCESS FROM NODE    111.00 TO NODE     22.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   350.20  DOWNSTREAM(FEET) =   349.10
  FLOW LENGTH(FEET) =    23.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   6.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.35
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.27
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    4.12
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE     22.00 =     327.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     22.00 TO NODE     22.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.12
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     1.39
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.27

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        5.31     4.51        4.743          1.40
      2        5.27     4.12        4.743          1.39

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       10.13     4.12       4.743
      2       10.59     4.51       4.743

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      10.59   Tc(MIN.) =    4.51
  TOTAL AREA(ACRES) =        2.8
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     22.00 =     477.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     22.00 TO NODE     23.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
```

```
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   349.10  DOWNSTREAM(FEET) =   348.50
  FLOW LENGTH(FEET) =   100.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.99
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      10.59
  PIPE TRAVEL TIME(MIN.) =   0.28    Tc(MIN.) =    4.79
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     23.00 =     577.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     23.00 TO NODE     23.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
==========================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.79
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     2.79
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     10.59

****************************************************************************
  FLOW PROCESS FROM NODE    120.00 TO NODE    121.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==========================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   344.00
  UPSTREAM ELEVATION(FEET) =    358.60
  DOWNSTREAM ELEVATION(FEET) =    353.80
  ELEVATION DIFFERENCE(FEET) =      4.80
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.924
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    65.93
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      4.63
  TOTAL AREA(ACRES) =      1.22   TOTAL RUNOFF(CFS) =      4.63

****************************************************************************
  FLOW PROCESS FROM NODE    121.00 TO NODE     23.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   349.80  DOWNSTREAM(FEET) =   348.50
  FLOW LENGTH(FEET) =     3.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   3.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  24.58
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.63
  PIPE TRAVEL TIME(MIN.) =   0.00    Tc(MIN.) =    3.93
  LONGEST FLOWPATH FROM NODE    120.00 TO NODE     23.00 =     347.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE     23.00 TO NODE     23.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.93
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     1.22
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.63

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       10.59     4.79        4.743          2.79
      2        4.63     3.93        4.743          1.22

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       15.21     3.93       4.743
      2       15.21     4.79       4.743

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      15.21   Tc(MIN.) =    4.79
  TOTAL AREA(ACRES) =        4.0
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     23.00 =     577.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     23.00 TO NODE     24.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.50  DOWNSTREAM(FEET) =   346.50
  FLOW LENGTH(FEET) =   381.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.61
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      15.21
  PIPE TRAVEL TIME(MIN.) =   0.74    Tc(MIN.) =    5.53
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     24.00 =     958.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     24.00 TO NODE     24.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.53
  RAINFALL INTENSITY(INCH/HR) =   4.45
  TOTAL STREAM AREA(ACRES) =     4.01
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     15.21
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    130.00 TO NODE    131.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   193.00
  UPSTREAM ELEVATION(FEET) =    357.50
  DOWNSTREAM ELEVATION(FEET) =    354.30
  ELEVATION DIFFERENCE(FEET) =      3.20
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.814
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    69.87
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.83
  TOTAL AREA(ACRES) =      0.22   TOTAL RUNOFF(CFS) =      0.83

****************************************************************************
  FLOW PROCESS FROM NODE    131.00 TO NODE     24.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   350.30  DOWNSTREAM(FEET) =   346.50
  FLOW LENGTH(FEET) =    23.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   1.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  10.61
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       0.83
  PIPE TRAVEL TIME(MIN.) =   0.04    Tc(MIN.) =    3.85
  LONGEST FLOWPATH FROM NODE    130.00 TO NODE     24.00 =     216.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     24.00 TO NODE     24.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.85
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     0.22
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      0.83

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       15.21     5.53        4.445          4.01
      2        0.83     3.85        4.743          0.22

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.
```

```
  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       15.10     3.85       4.743
      2       16.00     5.53       4.445

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      16.00   Tc(MIN.) =    5.53
  TOTAL AREA(ACRES) =        4.2
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     24.00 =     958.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     24.00 TO NODE     25.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   346.50  DOWNSTREAM(FEET) =   345.10
  FLOW LENGTH(FEET) =   245.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  17.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.63
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      16.00
  PIPE TRAVEL TIME(MIN.) =   0.62    Tc(MIN.) =    6.14
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     25.00 =    1203.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     25.00 TO NODE     25.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.14
  RAINFALL INTENSITY(INCH/HR) =   4.15
  TOTAL STREAM AREA(ACRES) =     4.23
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     16.00

****************************************************************************
  FLOW PROCESS FROM NODE    140.00 TO NODE    141.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   276.00
  UPSTREAM ELEVATION(FEET) =    356.00
  DOWNSTREAM ELEVATION(FEET) =    353.00
  ELEVATION DIFFERENCE(FEET) =      3.00
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.112
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    61.30
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      1.75
  TOTAL AREA(ACRES) =      0.46   TOTAL RUNOFF(CFS) =      1.75
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    141.00 TO NODE     25.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   353.00  DOWNSTREAM(FEET) =   345.10
  FLOW LENGTH(FEET) =    24.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  16.79
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.75
  PIPE TRAVEL TIME(MIN.) =   0.02    Tc(MIN.) =    4.14
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE     25.00 =     300.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     25.00 TO NODE     25.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.14
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     0.46
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.75

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc       INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       16.00     6.14        4.153          4.23
      2        1.75     4.14        4.743          0.46

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       15.75     4.14       4.743
      2       17.52     6.14       4.153

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      17.52   Tc(MIN.) =    6.14
  TOTAL AREA(ACRES) =        4.7
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     25.00 =    1203.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     25.00 TO NODE     26.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   345.10  DOWNSTREAM(FEET) =   343.60
  FLOW LENGTH(FEET) =   284.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  19.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.46
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      17.52
```

```
  PIPE TRAVEL TIME(MIN.) =   0.73    Tc(MIN.) =    6.88
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     26.00 =    1487.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     26.00 TO NODE     26.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.88
  RAINFALL INTENSITY(INCH/HR) =   3.86
  TOTAL STREAM AREA(ACRES) =     4.69
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     17.52

****************************************************************************
  FLOW PROCESS FROM NODE    150.00 TO NODE    151.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   231.00
  UPSTREAM ELEVATION(FEET) =    355.00
  DOWNSTREAM ELEVATION(FEET) =    352.40
  ELEVATION DIFFERENCE(FEET) =      2.60
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.084
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    61.88
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      4.59
  TOTAL AREA(ACRES) =      1.21   TOTAL RUNOFF(CFS) =      4.59

****************************************************************************
  FLOW PROCESS FROM NODE    151.00 TO NODE     26.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.40  DOWNSTREAM(FEET) =   343.60
  FLOW LENGTH(FEET) =    45.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   5.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  14.78
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.59
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    4.13
  LONGEST FLOWPATH FROM NODE    150.00 TO NODE     26.00 =     276.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     26.00 TO NODE     26.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
```

```
  TIME OF CONCENTRATION(MIN.) =    4.13
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     1.21
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.59

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       17.52     6.88        3.862          4.69
      2        4.59     4.13        4.743          1.21

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       18.86     4.13       4.743
      2       21.26     6.88       3.862

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      21.26   Tc(MIN.) =    6.88
  TOTAL AREA(ACRES) =        5.9
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     26.00 =    1487.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     26.00 TO NODE     27.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   343.60  DOWNSTREAM(FEET) =   343.30
  FLOW LENGTH(FEET) =    71.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.77
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      21.26
  PIPE TRAVEL TIME(MIN.) =   0.17    Tc(MIN.) =    7.05
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     27.00 =    1558.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     27.00 TO NODE     27.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.05
  RAINFALL INTENSITY(INCH/HR) =   3.80
  TOTAL STREAM AREA(ACRES) =     5.90
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     21.26

****************************************************************************
  FLOW PROCESS FROM NODE    160.00 TO NODE    161.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
```

```
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   350.00
  UPSTREAM ELEVATION(FEET) =    356.10
  DOWNSTREAM ELEVATION(FEET) =    352.00
  ELEVATION DIFFERENCE(FEET) =      4.10
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.052
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    62.57
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    10 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.743
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      5.35
  TOTAL AREA(ACRES) =      1.41   TOTAL RUNOFF(CFS) =      5.35

****************************************************************************
  FLOW PROCESS FROM NODE    161.00 TO NODE     27.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.00  DOWNSTREAM(FEET) =   343.30
  FLOW LENGTH(FEET) =    84.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   6.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  12.08
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.35
  PIPE TRAVEL TIME(MIN.) =   0.12    Tc(MIN.) =    4.17
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE     27.00 =     434.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     27.00 TO NODE     27.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.17
  RAINFALL INTENSITY(INCH/HR) =   4.74
  TOTAL STREAM AREA(ACRES) =     1.41
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.35

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       21.26     7.05        3.800          5.90
      2        5.35     4.17        4.743          1.41

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       22.39     4.17       4.743
      2       25.55     7.05       3.800

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      25.55   Tc(MIN.) =    7.05
```

```
  TOTAL AREA(ACRES) =        7.3
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     27.00 =    1558.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     27.00 TO NODE     19.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   343.30  DOWNSTREAM(FEET) =   342.20
  FLOW LENGTH(FEET) =   225.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.13
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      25.55
  PIPE TRAVEL TIME(MIN.) =   0.46    Tc(MIN.) =    7.51
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     19.00 =    1783.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     19.00 TO NODE     19.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================

  ** MAIN STREAM CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1       25.55     7.51       3.648        7.31
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     19.00 =    1783.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1       18.69     8.24       3.436        6.01
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     19.00 =    1447.00 FEET.

  ** PEAK FLOW RATE TABLE **
  STREAM    RUNOFF       Tc      INTENSITY
  NUMBER     (CFS)     (MIN.)   (INCH/HOUR)
      1      42.59       7.51        3.648
      2      42.76       8.24        3.436

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      42.76   Tc(MIN.) =    8.24
  TOTAL AREA(ACRES) =       13.3
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       13.3  TC(MIN.) =      8.24
  PEAK FLOW RATE(CFS)   =      42.76
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

```
**************************************************************************

            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
            Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                         2003,1985,1981 HYDROLOGY MANUAL
          (c) Copyright 1982-2015 Advanced Engineering Software (aes)
              Ver. 22.0 Release Date: 07/01/2015  License ID 1510

                              Analysis prepared by:

                              DRC Engineering, Inc.
                        160 South Old Springs Road, Suite 210
                               Anaheim Hills, CA 92808
                                    714-685-6860

 ************************* DESCRIPTION OF STUDY *************************
* 22-534 Palisade Santee                                                 *
* Proposed Condition                                                     *
* 50 Year                                                               *
 ************************************************************************

  FILE NAME: 22534P.DAT
  TIME/DATE OF STUDY: 15:01 07/13/2023
------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) =  50.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   2.400
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 1.00
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

**************************************************************************
  FLOW PROCESS FROM NODE     10.00 TO NODE     11.00 IS CODE =  21
------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
========================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   825.00
  UPSTREAM ELEVATION(FEET) =    368.80
  DOWNSTREAM ELEVATION(FEET) =    355.91
```

```
  ELEVATION DIFFERENCE(FEET) =     12.89
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.850
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    68.44
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =     17.65
  TOTAL AREA(ACRES) =      3.49   TOTAL RUNOFF(CFS) =     17.65

****************************************************************************
  FLOW PROCESS FROM NODE     11.00 TO NODE     11.50 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   355.91  DOWNSTREAM(FEET) =   349.80
  FLOW LENGTH(FEET) =  1146.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  19.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.49
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      17.65
  PIPE TRAVEL TIME(MIN.) =   2.94    Tc(MIN.) =    6.79
  LONGEST FLOWPATH FROM NODE     10.00 TO NODE     11.50 =    1971.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      0.00 TO NODE      0.00 IS CODE =  13
----------------------------------------------------------------------------
  >>>>>CLEAR THE MAIN-STREAM MEMORY<<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE     30.00 TO NODE     31.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   233.00
  UPSTREAM ELEVATION(FEET) =    357.10
  DOWNSTREAM ELEVATION(FEET) =    355.50
  ELEVATION DIFFERENCE(FEET) =      1.60
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.487
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    53.73
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      2.73
  TOTAL AREA(ACRES) =      0.54   TOTAL RUNOFF(CFS) =      2.73

****************************************************************************
  FLOW PROCESS FROM NODE     31.00 TO NODE     12.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
```

```
  ELEVATION DATA: UPSTREAM(FEET) =   351.50  DOWNSTREAM(FEET) =   349.70
  FLOW LENGTH(FEET) =    22.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   4.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.65
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       2.73
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    4.52
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     12.00 =     255.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     12.00 TO NODE     13.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   349.70  DOWNSTREAM(FEET) =   346.70
  FLOW LENGTH(FEET) =   355.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS   5.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.85
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       2.73
  PIPE TRAVEL TIME(MIN.) =   1.22    Tc(MIN.) =    5.74
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     13.00 =     610.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     13.00 TO NODE     13.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.74
  RAINFALL INTENSITY(INCH/HR) =   5.79
  TOTAL STREAM AREA(ACRES) =     0.54
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.73

****************************************************************************
  FLOW PROCESS FROM NODE     40.00 TO NODE     41.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   197.00
  UPSTREAM ELEVATION(FEET) =    358.00
  DOWNSTREAM ELEVATION(FEET) =    355.30
  ELEVATION DIFFERENCE(FEET) =      2.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.936
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    65.56
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      2.93
  TOTAL AREA(ACRES) =      0.58   TOTAL RUNOFF(CFS) =      2.93

****************************************************************************
  FLOW PROCESS FROM NODE     41.00 TO NODE     13.00 IS CODE =  41
```

```
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   346.70
  FLOW LENGTH(FEET) =    22.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   3.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  16.65
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       2.93
  PIPE TRAVEL TIME(MIN.) =   0.02    Tc(MIN.) =    3.96
  LONGEST FLOWPATH FROM NODE     40.00 TO NODE     13.00 =     219.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     13.00 TO NODE     13.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.96
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     0.58
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.93

****************************************************************************
  FLOW PROCESS FROM NODE     50.00 TO NODE     51.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   371.00
  UPSTREAM ELEVATION(FEET) =    359.45
  DOWNSTREAM ELEVATION(FEET) =    354.20
  ELEVATION DIFFERENCE(FEET) =      5.25
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.914
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    66.23
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      5.62
  TOTAL AREA(ACRES) =      1.11   TOTAL RUNOFF(CFS) =      5.62

****************************************************************************
  FLOW PROCESS FROM NODE     51.00 TO NODE     13.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.91
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     1.11
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.62
```

```
  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        2.73     5.74        5.786          0.54
      2        2.93     3.96        6.323          0.58
      3        5.62     3.91        6.323          1.11

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  3 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       10.38     3.91       6.323
      2       10.43     3.96       6.323
      3       10.55     5.74       5.786

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      10.55   Tc(MIN.) =    5.74
  TOTAL AREA(ACRES) =        2.2
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     13.00 =     610.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     13.00 TO NODE     14.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   346.70  DOWNSTREAM(FEET) =   345.70
  FLOW LENGTH(FEET) =   173.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  12.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.11
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      10.55
  PIPE TRAVEL TIME(MIN.) =   0.47    Tc(MIN.) =    6.21
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     14.00 =     783.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     14.00 TO NODE     14.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.21
  RAINFALL INTENSITY(INCH/HR) =   5.50
  TOTAL STREAM AREA(ACRES) =     2.23
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     10.55

****************************************************************************
  FLOW PROCESS FROM NODE     60.00 TO NODE     61.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   151.00
  UPSTREAM ELEVATION(FEET) =    358.00
  DOWNSTREAM ELEVATION(FEET) =    355.30
```

```
  ELEVATION DIFFERENCE(FEET) =      2.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.771
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    71.82
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      1.82
  TOTAL AREA(ACRES) =      0.36   TOTAL RUNOFF(CFS) =      1.82

****************************************************************************
  FLOW PROCESS FROM NODE     61.00 TO NODE     14.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   345.70
  FLOW LENGTH(FEET) =    34.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  13.34
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.82
  PIPE TRAVEL TIME(MIN.) =   0.04    Tc(MIN.) =    3.81
  LONGEST FLOWPATH FROM NODE     60.00 TO NODE     14.00 =     185.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     14.00 TO NODE     14.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.81
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     0.36
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.82

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       10.55     6.21        5.498          2.23
      2        1.82     3.81        6.323          0.36

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       11.00     3.81       6.323
      2       12.14     6.21       5.498

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      12.14   Tc(MIN.) =    6.21
  TOTAL AREA(ACRES) =        2.6
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     14.00 =     783.00 FEET.

****************************************************************************
```

```
 FLOW PROCESS FROM NODE     14.00 TO NODE     15.00 IS CODE =  41
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   345.70  DOWNSTREAM(FEET) =   344.60
 FLOW LENGTH(FEET) =   192.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  24.0 INCH PIPE IS  14.2 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   6.30
 GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      12.14
 PIPE TRAVEL TIME(MIN.) =   0.51    Tc(MIN.) =    6.72
 LONGEST FLOWPATH FROM NODE     30.00 TO NODE     15.00 =     975.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =    6.72
 RAINFALL INTENSITY(INCH/HR) =   5.23
 TOTAL STREAM AREA(ACRES) =     2.59
 PEAK FLOW RATE(CFS) AT CONFLUENCE =     12.14

****************************************************************************
 FLOW PROCESS FROM NODE     70.00 TO NODE     71.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
 GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
 SOIL CLASSIFICATION IS "A"
 S.C.S. CURVE NUMBER (AMC II) =  89
 INITIAL SUBAREA FLOW-LENGTH(FEET) =   148.00
 UPSTREAM ELEVATION(FEET) =    358.00
 DOWNSTREAM ELEVATION(FEET) =    355.30
 ELEVATION DIFFERENCE(FEET) =      2.70
 SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.760
 WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
          THE MAXIMUM OVERLAND FLOW LENGTH =    72.36
          (Reference: Table 3-1B of Hydrology Manual)
          THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
 NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
 SUBAREA RUNOFF(CFS) =      1.72
 TOTAL AREA(ACRES) =      0.34   TOTAL RUNOFF(CFS) =      1.72

****************************************************************************
 FLOW PROCESS FROM NODE     71.00 TO NODE     15.00 IS CODE =  41
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   344.60
 FLOW LENGTH(FEET) =    34.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.6 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =  13.96
 GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       1.72
```

```
  PIPE TRAVEL TIME(MIN.) =   0.04    Tc(MIN.) =    3.80
  LONGEST FLOWPATH FROM NODE     70.00 TO NODE     15.00 =     182.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.80
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     0.34
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.72

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       12.14     6.72        5.226          2.59
      2        1.72     3.80        6.323          0.34

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       11.75     3.80       6.323
      2       13.56     6.72       5.226

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      13.56   Tc(MIN.) =    6.72
  TOTAL AREA(ACRES) =        2.9
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     15.00 =     975.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     16.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   344.60  DOWNSTREAM(FEET) =   343.50
  FLOW LENGTH(FEET) =   192.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  15.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.45
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      13.56
  PIPE TRAVEL TIME(MIN.) =   0.50    Tc(MIN.) =    7.22
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     16.00 =    1167.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     16.00 TO NODE     16.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.22
  RAINFALL INTENSITY(INCH/HR) =   4.99
```

```
  TOTAL STREAM AREA(ACRES) =     2.93
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     13.56

****************************************************************************
  FLOW PROCESS FROM NODE     80.00 TO NODE     81.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   138.00
  UPSTREAM ELEVATION(FEET) =    358.00
  DOWNSTREAM ELEVATION(FEET) =    355.30
  ELEVATION DIFFERENCE(FEET) =      2.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.723
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    74.35
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.76
  TOTAL AREA(ACRES) =      0.15   TOTAL RUNOFF(CFS) =      0.76

****************************************************************************
  FLOW PROCESS FROM NODE     81.00 TO NODE     16.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   343.50
  FLOW LENGTH(FEET) =    34.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   1.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.62
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       0.76
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    3.77
  LONGEST FLOWPATH FROM NODE     80.00 TO NODE     16.00 =     172.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     16.00 TO NODE     16.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.77
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     0.15
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      0.76

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       13.56     7.22        4.991          2.93
      2        0.76     3.77        6.323          0.15

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
```

```
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       11.46     3.77       6.323
      2       14.16     7.22       4.991

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      14.16   Tc(MIN.) =    7.22
  TOTAL AREA(ACRES) =        3.1
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     16.00 =    1167.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     16.00 TO NODE     17.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   343.50  DOWNSTREAM(FEET) =   342.70
  FLOW LENGTH(FEET) =   160.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  16.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.15
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      14.16
  PIPE TRAVEL TIME(MIN.) =   0.43    Tc(MIN.) =    7.65
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     17.00 =    1327.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     17.00 TO NODE     17.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.65
  RAINFALL INTENSITY(INCH/HR) =   4.81
  TOTAL STREAM AREA(ACRES) =     3.08
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     14.16

****************************************************************************
  FLOW PROCESS FROM NODE     90.00 TO NODE     91.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   378.00
  UPSTREAM ELEVATION(FEET) =    358.40
  DOWNSTREAM ELEVATION(FEET) =    352.70
  ELEVATION DIFFERENCE(FEET) =      5.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.872
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    67.62
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      7.49
```

```
  TOTAL AREA(ACRES) =      1.48   TOTAL RUNOFF(CFS) =      7.49

****************************************************************************
  FLOW PROCESS FROM NODE     91.00 TO NODE     17.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.70  DOWNSTREAM(FEET) =   342.70
  FLOW LENGTH(FEET) =    95.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   7.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  13.63
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.49
  PIPE TRAVEL TIME(MIN.) =   0.12    Tc(MIN.) =    3.99
  LONGEST FLOWPATH FROM NODE     90.00 TO NODE     17.00 =     473.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     17.00 TO NODE     17.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.99
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     1.48
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.49

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       14.16     7.65        4.807          3.08
      2        7.49     3.99        6.323          1.48

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       18.25     3.99       6.323
      2       19.85     7.65       4.807

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      19.85   Tc(MIN.) =    7.65
  TOTAL AREA(ACRES) =        4.6
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     17.00 =    1327.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     17.00 TO NODE     18.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   342.70  DOWNSTREAM(FEET) =   342.30
  FLOW LENGTH(FEET) =    96.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.32
```

```
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      19.85
  PIPE TRAVEL TIME(MIN.) =   0.25    Tc(MIN.) =    7.90
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     18.00 =    1423.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     18.00 TO NODE     18.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.90
  RAINFALL INTENSITY(INCH/HR) =   4.71
  TOTAL STREAM AREA(ACRES) =     4.56
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     19.85

****************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   369.00
  UPSTREAM ELEVATION(FEET) =    356.20
  DOWNSTREAM ELEVATION(FEET) =    352.00
  ELEVATION DIFFERENCE(FEET) =      4.20
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.075
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    62.07
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      7.34
  TOTAL AREA(ACRES) =      1.45   TOTAL RUNOFF(CFS) =      7.34

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE     18.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.00  DOWNSTREAM(FEET) =   342.30
  FLOW LENGTH(FEET) =    94.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  94.0 INCH PIPE IS   3.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  10.82
  GIVEN PIPE DIAMETER(INCH) =  94.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.34
  PIPE TRAVEL TIME(MIN.) =   0.14    Tc(MIN.) =    4.22
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE     18.00 =     463.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     18.00 TO NODE     18.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
```

```
==========================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.22
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     1.45
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.34

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       19.85     7.90        4.707          4.56
      2        7.34     4.22        6.323          1.45

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       22.11     4.22       6.323
      2       25.31     7.90       4.707

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      25.31   Tc(MIN.) =    7.90
  TOTAL AREA(ACRES) =        6.0
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     18.00 =    1423.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     18.00 TO NODE     19.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   342.30  DOWNSTREAM(FEET) =   342.20
  FLOW LENGTH(FEET) =    24.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.06
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      25.31
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    7.95
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     19.00 =    1447.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     19.00 TO NODE     19.00 IS CODE =  10
----------------------------------------------------------------------------
  >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE     19.00 TO NODE     19.00 IS CODE =  13
----------------------------------------------------------------------------
  >>>>>CLEAR THE MAIN-STREAM MEMORY<<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE     20.00 TO NODE     21.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
```

```
==========================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   288.00
  UPSTREAM ELEVATION(FEET) =    356.10
  DOWNSTREAM ELEVATION(FEET) =    352.70
  ELEVATION DIFFERENCE(FEET) =      3.40
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.046
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    62.71
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      7.08
  TOTAL AREA(ACRES) =      1.40   TOTAL RUNOFF(CFS) =      7.08

**************************************************************************
  FLOW PROCESS FROM NODE     21.00 TO NODE     22.00 IS CODE =  41
--------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   350.10  DOWNSTREAM(FEET) =   349.10
  FLOW LENGTH(FEET) =   189.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.02
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.08
  PIPE TRAVEL TIME(MIN.) =   0.35    Tc(MIN.) =    4.40
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     22.00 =     477.00 FEET.

**************************************************************************
  FLOW PROCESS FROM NODE     22.00 TO NODE     22.00 IS CODE =   1
--------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
==========================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.40
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     1.40
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.08

**************************************************************************
  FLOW PROCESS FROM NODE    110.00 TO NODE    111.00 IS CODE =  21
--------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==========================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   304.00
  UPSTREAM ELEVATION(FEET) =    356.10
  DOWNSTREAM ELEVATION(FEET) =    352.70
  ELEVATION DIFFERENCE(FEET) =      3.40
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.089
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
```

```
          THE MAXIMUM OVERLAND FLOW LENGTH =    61.78
          (Reference: Table 3-1B of Hydrology Manual)
          THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      7.03
  TOTAL AREA(ACRES) =      1.39   TOTAL RUNOFF(CFS) =      7.03

****************************************************************************
  FLOW PROCESS FROM NODE    111.00 TO NODE     22.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   350.20  DOWNSTREAM(FEET) =   349.10
  FLOW LENGTH(FEET) =    23.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   8.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  12.02
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.03
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    4.12
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE     22.00 =     327.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     22.00 TO NODE     22.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.12
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     1.39
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.03

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        7.08     4.40        6.323          1.40
      2        7.03     4.12        6.323          1.39

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       13.67     4.12       6.323
      2       14.11     4.40       6.323

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      14.11   Tc(MIN.) =    4.40
  TOTAL AREA(ACRES) =        2.8
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     22.00 =     477.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     22.00 TO NODE     23.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
```

```
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   349.10  DOWNSTREAM(FEET) =   348.50
  FLOW LENGTH(FEET) =   100.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.99
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      14.11
  PIPE TRAVEL TIME(MIN.) =   0.21    Tc(MIN.) =    4.60
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     23.00 =     577.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     23.00 TO NODE     23.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.60
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     2.79
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     14.11

****************************************************************************
  FLOW PROCESS FROM NODE    120.00 TO NODE    121.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   344.00
  UPSTREAM ELEVATION(FEET) =    358.60
  DOWNSTREAM ELEVATION(FEET) =    353.80
  ELEVATION DIFFERENCE(FEET) =      4.80
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.924
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    65.93
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      6.17
  TOTAL AREA(ACRES) =      1.22   TOTAL RUNOFF(CFS) =      6.17

****************************************************************************
  FLOW PROCESS FROM NODE    121.00 TO NODE     23.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   349.80  DOWNSTREAM(FEET) =   348.50
  FLOW LENGTH(FEET) =     3.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   4.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  26.66
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.17
  PIPE TRAVEL TIME(MIN.) =   0.00    Tc(MIN.) =    3.93
  LONGEST FLOWPATH FROM NODE    120.00 TO NODE     23.00 =     347.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE     23.00 TO NODE     23.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.93
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     1.22
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      6.17

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       14.11     4.60        6.323          2.79
      2        6.17     3.93        6.323          1.22

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       20.29     3.93       6.323
      2       20.29     4.60       6.323

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      20.29   Tc(MIN.) =    4.60
  TOTAL AREA(ACRES) =        4.0
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     23.00 =     577.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     23.00 TO NODE     24.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.50  DOWNSTREAM(FEET) =   346.50
  FLOW LENGTH(FEET) =   381.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.48
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      20.29
  PIPE TRAVEL TIME(MIN.) =   0.55    Tc(MIN.) =    5.16
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     24.00 =     958.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     24.00 TO NODE     24.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.16
  RAINFALL INTENSITY(INCH/HR) =   6.20
  TOTAL STREAM AREA(ACRES) =     4.01
```

```
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     20.29

****************************************************************************
  FLOW PROCESS FROM NODE    130.00 TO NODE    131.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   193.00
  UPSTREAM ELEVATION(FEET) =    357.50
  DOWNSTREAM ELEVATION(FEET) =    354.30
  ELEVATION DIFFERENCE(FEET) =      3.20
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.814
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    69.87
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      1.11
  TOTAL AREA(ACRES) =      0.22   TOTAL RUNOFF(CFS) =      1.11

****************************************************************************
  FLOW PROCESS FROM NODE    131.00 TO NODE     24.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   350.30  DOWNSTREAM(FEET) =   346.50
  FLOW LENGTH(FEET) =    23.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.52
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.11
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    3.85
  LONGEST FLOWPATH FROM NODE    130.00 TO NODE     24.00 =     216.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     24.00 TO NODE     24.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.85
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     0.22
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.11

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       20.29     5.16        6.198          4.01
      2        1.11     3.85        6.323          0.22

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.
```

```
  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       21.00     3.85       6.323
      2       21.38     5.16       6.198

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      21.38   Tc(MIN.) =    5.16
  TOTAL AREA(ACRES) =        4.2
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     24.00 =     958.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     24.00 TO NODE     25.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   346.50  DOWNSTREAM(FEET) =   345.10
  FLOW LENGTH(FEET) =   245.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.80
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      21.38
  PIPE TRAVEL TIME(MIN.) =   0.60    Tc(MIN.) =    5.76
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     25.00 =    1203.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     25.00 TO NODE     25.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.76
  RAINFALL INTENSITY(INCH/HR) =   5.77
  TOTAL STREAM AREA(ACRES) =     4.23
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     21.38

****************************************************************************
  FLOW PROCESS FROM NODE    140.00 TO NODE    141.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   276.00
  UPSTREAM ELEVATION(FEET) =    356.00
  DOWNSTREAM ELEVATION(FEET) =    353.00
  ELEVATION DIFFERENCE(FEET) =      3.00
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.112
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    61.30
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      2.33
```

```
  TOTAL AREA(ACRES) =      0.46   TOTAL RUNOFF(CFS) =      2.33

****************************************************************************
  FLOW PROCESS FROM NODE    141.00 TO NODE     25.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   353.00  DOWNSTREAM(FEET) =   345.10
  FLOW LENGTH(FEET) =    24.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  18.28
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       2.33
  PIPE TRAVEL TIME(MIN.) =   0.02    Tc(MIN.) =    4.13
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE     25.00 =     300.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     25.00 TO NODE     25.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.13
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     0.46
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.33

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       21.38     5.76        5.774          4.23
      2        2.33     4.13        6.323          0.46

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       21.84     4.13       6.323
      2       23.50     5.76       5.774

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      23.50   Tc(MIN.) =    5.76
  TOTAL AREA(ACRES) =        4.7
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     25.00 =    1203.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     25.00 TO NODE     26.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   345.10  DOWNSTREAM(FEET) =   343.60
  FLOW LENGTH(FEET) =   284.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.48
```

```
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      23.50
  PIPE TRAVEL TIME(MIN.) =   0.63    Tc(MIN.) =    6.39
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     26.00 =    1487.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     26.00 TO NODE     26.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.39
  RAINFALL INTENSITY(INCH/HR) =   5.40
  TOTAL STREAM AREA(ACRES) =     4.69
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     23.50

****************************************************************************
  FLOW PROCESS FROM NODE    150.00 TO NODE    151.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   231.00
  UPSTREAM ELEVATION(FEET) =    355.00
  DOWNSTREAM ELEVATION(FEET) =    352.40
  ELEVATION DIFFERENCE(FEET) =      2.60
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.084
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    61.88
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      6.12
  TOTAL AREA(ACRES) =      1.21   TOTAL RUNOFF(CFS) =      6.12

****************************************************************************
  FLOW PROCESS FROM NODE    151.00 TO NODE     26.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.40  DOWNSTREAM(FEET) =   343.60
  FLOW LENGTH(FEET) =    45.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   5.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  15.94
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.12
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    4.13
  LONGEST FLOWPATH FROM NODE    150.00 TO NODE     26.00 =     276.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     26.00 TO NODE     26.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
```

```
==========================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.13
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     1.21
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      6.12

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       23.50     6.39        5.398          4.69
      2        6.12     4.13        6.323          1.21

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       26.18     4.13       6.323
      2       28.73     6.39       5.398

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      28.73   Tc(MIN.) =    6.39
  TOTAL AREA(ACRES) =        5.9
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     26.00 =    1487.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     26.00 TO NODE     27.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   343.60  DOWNSTREAM(FEET) =   343.30
  FLOW LENGTH(FEET) =    71.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.14
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      28.73
  PIPE TRAVEL TIME(MIN.) =   0.13    Tc(MIN.) =    6.52
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     27.00 =    1558.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     27.00 TO NODE     27.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.52
  RAINFALL INTENSITY(INCH/HR) =   5.33
  TOTAL STREAM AREA(ACRES) =     5.90
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     28.73

****************************************************************************
  FLOW PROCESS FROM NODE    160.00 TO NODE    161.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
```

```
==========================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   350.00
  UPSTREAM ELEVATION(FEET) =    356.10
  DOWNSTREAM ELEVATION(FEET) =    352.00
  ELEVATION DIFFERENCE(FEET) =      4.10
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.052
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    62.57
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
    50 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      7.13
  TOTAL AREA(ACRES) =      1.41   TOTAL RUNOFF(CFS) =      7.13

**************************************************************************
  FLOW PROCESS FROM NODE    161.00 TO NODE     27.00 IS CODE =  41
--------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.00  DOWNSTREAM(FEET) =   343.30
  FLOW LENGTH(FEET) =    84.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   8.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  12.86
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.13
  PIPE TRAVEL TIME(MIN.) =   0.11    Tc(MIN.) =    4.16
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE     27.00 =     434.00 FEET.

**************************************************************************
  FLOW PROCESS FROM NODE     27.00 TO NODE     27.00 IS CODE =   1
--------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
==========================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.16
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     1.41
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.13

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       28.73     6.52        5.329          5.90
      2        7.13     4.16        6.323          1.41

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       31.34     4.16       6.323
      2       34.74     6.52       5.329
```

```
  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      34.74   Tc(MIN.) =    6.52
  TOTAL AREA(ACRES) =        7.3
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     27.00 =    1558.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     27.00 TO NODE     19.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   343.30  DOWNSTREAM(FEET) =   342.20
  FLOW LENGTH(FEET) =   225.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.06
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      34.74
  PIPE TRAVEL TIME(MIN.) =   0.34    Tc(MIN.) =    6.86
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     19.00 =    1783.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     19.00 TO NODE     19.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================

  ** MAIN STREAM CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1       34.74     6.86       5.157        7.31
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     19.00 =    1783.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1       25.31     7.95       4.688        6.01
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     19.00 =    1447.00 FEET.

  ** PEAK FLOW RATE TABLE **
  STREAM    RUNOFF       Tc      INTENSITY
  NUMBER     (CFS)     (MIN.)   (INCH/HOUR)
      1      56.57       6.86        5.157
      2      56.89       7.95        4.688

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      56.89   Tc(MIN.) =    7.95
  TOTAL AREA(ACRES) =       13.3
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       13.3  TC(MIN.) =      7.95
  PEAK FLOW RATE(CFS)   =      56.89
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

```
**************************************************************************

            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
            Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                         2003,1985,1981 HYDROLOGY MANUAL
          (c) Copyright 1982-2015 Advanced Engineering Software (aes)
              Ver. 22.0 Release Date: 07/01/2015  License ID 1510

                              Analysis prepared by:

                              DRC Engineering, Inc.
                        160 South Old Springs Road, Suite 210
                               Anaheim Hills, CA 92808
                                    714-685-6860

 ************************* DESCRIPTION OF STUDY *************************
* 22-534 Palisade Santee                                                 *
* Proposed Condition                                                     *
* 100 Year                                                              *
 ************************************************************************

  FILE NAME: 22534P.DAT
  TIME/DATE OF STUDY: 15:02 07/13/2023
------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   2.600
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 1.00
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

**************************************************************************
  FLOW PROCESS FROM NODE     10.00 TO NODE     11.00 IS CODE =  21
------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
========================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   825.00
  UPSTREAM ELEVATION(FEET) =    368.80
  DOWNSTREAM ELEVATION(FEET) =    355.91
```

```
  ELEVATION DIFFERENCE(FEET) =     12.89
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.850
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    68.44
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =     19.13
  TOTAL AREA(ACRES) =      3.49   TOTAL RUNOFF(CFS) =     19.13

****************************************************************************
  FLOW PROCESS FROM NODE     11.00 TO NODE     11.50 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   355.91  DOWNSTREAM(FEET) =   349.80
  FLOW LENGTH(FEET) =  1146.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.09
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      19.13
  PIPE TRAVEL TIME(MIN.) =   3.14    Tc(MIN.) =    6.99
  LONGEST FLOWPATH FROM NODE     10.00 TO NODE     11.50 =    1971.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      0.00 TO NODE      0.00 IS CODE =  13
----------------------------------------------------------------------------
  >>>>>CLEAR THE MAIN-STREAM MEMORY<<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE     30.00 TO NODE     31.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   233.00
  UPSTREAM ELEVATION(FEET) =    357.10
  DOWNSTREAM ELEVATION(FEET) =    355.50
  ELEVATION DIFFERENCE(FEET) =      1.60
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.487
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    53.73
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      2.96
  TOTAL AREA(ACRES) =      0.54   TOTAL RUNOFF(CFS) =      2.96

****************************************************************************
  FLOW PROCESS FROM NODE     31.00 TO NODE     12.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
```

```
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   351.50  DOWNSTREAM(FEET) =   349.70
  FLOW LENGTH(FEET) =    22.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   4.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.91
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       2.96
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    4.52
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     12.00 =     255.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     12.00 TO NODE     13.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   349.70  DOWNSTREAM(FEET) =   346.70
  FLOW LENGTH(FEET) =   355.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS   5.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.97
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       2.96
  PIPE TRAVEL TIME(MIN.) =   1.19    Tc(MIN.) =    5.71
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     13.00 =     610.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     13.00 TO NODE     13.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
==========================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.71
  RAINFALL INTENSITY(INCH/HR) =   6.29
  TOTAL STREAM AREA(ACRES) =     0.54
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.96

****************************************************************************
  FLOW PROCESS FROM NODE     40.00 TO NODE     41.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==========================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   197.00
  UPSTREAM ELEVATION(FEET) =    358.00
  DOWNSTREAM ELEVATION(FEET) =    355.30
  ELEVATION DIFFERENCE(FEET) =      2.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.936
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    65.56
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      3.18
  TOTAL AREA(ACRES) =      0.58   TOTAL RUNOFF(CFS) =      3.18

****************************************************************************
```

```
 FLOW PROCESS FROM NODE     41.00 TO NODE     13.00 IS CODE =  41
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   346.70
 FLOW LENGTH(FEET) =    22.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  12.0 INCH PIPE IS   3.4 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =  17.05
 GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       3.18
 PIPE TRAVEL TIME(MIN.) =   0.02    Tc(MIN.) =    3.96
 LONGEST FLOWPATH FROM NODE     40.00 TO NODE     13.00 =     219.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     13.00 TO NODE     13.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  3
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =    3.96
 RAINFALL INTENSITY(INCH/HR) =   6.85
 TOTAL STREAM AREA(ACRES) =     0.58
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.18

****************************************************************************
 FLOW PROCESS FROM NODE     50.00 TO NODE     51.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
 GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
 SOIL CLASSIFICATION IS "A"
 S.C.S. CURVE NUMBER (AMC II) =  89
 INITIAL SUBAREA FLOW-LENGTH(FEET) =   371.00
 UPSTREAM ELEVATION(FEET) =    359.45
 DOWNSTREAM ELEVATION(FEET) =    354.20
 ELEVATION DIFFERENCE(FEET) =      5.25
 SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.914
 WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
          THE MAXIMUM OVERLAND FLOW LENGTH =    66.23
          (Reference: Table 3-1B of Hydrology Manual)
          THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
 NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
 SUBAREA RUNOFF(CFS) =      6.08
 TOTAL AREA(ACRES) =      1.11   TOTAL RUNOFF(CFS) =      6.08

****************************************************************************
 FLOW PROCESS FROM NODE     51.00 TO NODE     13.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  3
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
 TIME OF CONCENTRATION(MIN.) =    3.91
 RAINFALL INTENSITY(INCH/HR) =   6.85
 TOTAL STREAM AREA(ACRES) =     1.11
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      6.08
```

```
  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        2.96     5.71        6.289          0.54
      2        3.18     3.96        6.850          0.58
      3        6.08     3.91        6.850          1.11

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  3 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       11.26     3.91       6.850
      2       11.31     3.96       6.850
      3       11.46     5.71       6.289

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      11.46   Tc(MIN.) =    5.71
  TOTAL AREA(ACRES) =        2.2
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     13.00 =     610.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     13.00 TO NODE     14.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   346.70  DOWNSTREAM(FEET) =   345.70
  FLOW LENGTH(FEET) =   173.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  13.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.23
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      11.46
  PIPE TRAVEL TIME(MIN.) =   0.46    Tc(MIN.) =    6.17
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     14.00 =     783.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     14.00 TO NODE     14.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.17
  RAINFALL INTENSITY(INCH/HR) =   5.98
  TOTAL STREAM AREA(ACRES) =     2.23
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     11.46

****************************************************************************
  FLOW PROCESS FROM NODE     60.00 TO NODE     61.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   151.00
  UPSTREAM ELEVATION(FEET) =    358.00
```

```
  DOWNSTREAM ELEVATION(FEET) =    355.30
  ELEVATION DIFFERENCE(FEET) =      2.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.771
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    71.82
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      1.97
  TOTAL AREA(ACRES) =      0.36   TOTAL RUNOFF(CFS) =      1.97

****************************************************************************
  FLOW PROCESS FROM NODE     61.00 TO NODE     14.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   345.70
  FLOW LENGTH(FEET) =    34.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  13.62
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.97
  PIPE TRAVEL TIME(MIN.) =   0.04    Tc(MIN.) =    3.81
  LONGEST FLOWPATH FROM NODE     60.00 TO NODE     14.00 =     185.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     14.00 TO NODE     14.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.81
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     0.36
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.97

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       11.46     6.17        5.981          2.23
      2        1.97     3.81        6.850          0.36

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       11.98     3.81       6.850
      2       13.18     6.17       5.981

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      13.18   Tc(MIN.) =    6.17
  TOTAL AREA(ACRES) =        2.6
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     14.00 =     783.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE     14.00 TO NODE     15.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   345.70  DOWNSTREAM(FEET) =   344.60
  FLOW LENGTH(FEET) =   192.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  14.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.41
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      13.18
  PIPE TRAVEL TIME(MIN.) =   0.50    Tc(MIN.) =    6.67
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     15.00 =     975.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.67
  RAINFALL INTENSITY(INCH/HR) =   5.69
  TOTAL STREAM AREA(ACRES) =     2.59
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     13.18

****************************************************************************
  FLOW PROCESS FROM NODE     70.00 TO NODE     71.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   148.00
  UPSTREAM ELEVATION(FEET) =    358.00
  DOWNSTREAM ELEVATION(FEET) =    355.30
  ELEVATION DIFFERENCE(FEET) =      2.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.760
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    72.36
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      1.86
  TOTAL AREA(ACRES) =      0.34   TOTAL RUNOFF(CFS) =      1.86

****************************************************************************
  FLOW PROCESS FROM NODE     71.00 TO NODE     15.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   344.60
  FLOW LENGTH(FEET) =    34.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  14.29
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
```

```
  PIPE-FLOW(CFS) =       1.86
  PIPE TRAVEL TIME(MIN.) =   0.04    Tc(MIN.) =    3.80
  LONGEST FLOWPATH FROM NODE     70.00 TO NODE     15.00 =     182.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.80
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     0.34
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.86

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       13.18     6.67        5.688          2.59
      2        1.86     3.80        6.850          0.34

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       12.81     3.80       6.850
      2       14.73     6.67       5.688

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      14.73   Tc(MIN.) =    6.67
  TOTAL AREA(ACRES) =        2.9
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     15.00 =     975.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     16.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   344.60  DOWNSTREAM(FEET) =   343.50
  FLOW LENGTH(FEET) =   192.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  16.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.55
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      14.73
  PIPE TRAVEL TIME(MIN.) =   0.49    Tc(MIN.) =    7.16
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     16.00 =    1167.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     16.00 TO NODE     16.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.16
```

```
  RAINFALL INTENSITY(INCH/HR) =   5.43
  TOTAL STREAM AREA(ACRES) =     2.93
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     14.73

****************************************************************************
  FLOW PROCESS FROM NODE     80.00 TO NODE     81.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   138.00
  UPSTREAM ELEVATION(FEET) =    358.00
  DOWNSTREAM ELEVATION(FEET) =    355.30
  ELEVATION DIFFERENCE(FEET) =      2.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.723
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    74.35
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.82
  TOTAL AREA(ACRES) =      0.15   TOTAL RUNOFF(CFS) =      0.82

****************************************************************************
  FLOW PROCESS FROM NODE     81.00 TO NODE     16.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   351.30  DOWNSTREAM(FEET) =   343.50
  FLOW LENGTH(FEET) =    34.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   1.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.81
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       0.82
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    3.77
  LONGEST FLOWPATH FROM NODE     80.00 TO NODE     16.00 =     172.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     16.00 TO NODE     16.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.77
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     0.15
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      0.82

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       14.73     7.16        5.435          2.93
      2        0.82     3.77        6.850          0.15
```

```
  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       12.51     3.77       6.850
      2       15.38     7.16       5.435

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      15.38   Tc(MIN.) =    7.16
  TOTAL AREA(ACRES) =        3.1
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     16.00 =    1167.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     16.00 TO NODE     17.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   343.50  DOWNSTREAM(FEET) =   342.70
  FLOW LENGTH(FEET) =   160.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  17.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.23
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      15.38
  PIPE TRAVEL TIME(MIN.) =   0.43    Tc(MIN.) =    7.59
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     17.00 =    1327.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     17.00 TO NODE     17.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.59
  RAINFALL INTENSITY(INCH/HR) =   5.23
  TOTAL STREAM AREA(ACRES) =     3.08
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     15.38

****************************************************************************
  FLOW PROCESS FROM NODE     90.00 TO NODE     91.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   378.00
  UPSTREAM ELEVATION(FEET) =    358.40
  DOWNSTREAM ELEVATION(FEET) =    352.70
  ELEVATION DIFFERENCE(FEET) =      5.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.872
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    67.62
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
```

```
  SUBAREA RUNOFF(CFS) =      8.11
  TOTAL AREA(ACRES) =      1.48   TOTAL RUNOFF(CFS) =      8.11

****************************************************************************
  FLOW PROCESS FROM NODE     91.00 TO NODE     17.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.70  DOWNSTREAM(FEET) =   342.70
  FLOW LENGTH(FEET) =    95.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   8.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  13.82
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       8.11
  PIPE TRAVEL TIME(MIN.) =   0.11    Tc(MIN.) =    3.99
  LONGEST FLOWPATH FROM NODE     90.00 TO NODE     17.00 =     473.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     17.00 TO NODE     17.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.99
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     1.48
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      8.11

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       15.38     7.59        5.235          3.08
      2        8.11     3.99        6.850          1.48

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       19.87     3.99       6.850
      2       21.58     7.59       5.235

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      21.58   Tc(MIN.) =    7.59
  TOTAL AREA(ACRES) =        4.6
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     17.00 =    1327.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     17.00 TO NODE     18.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   342.70  DOWNSTREAM(FEET) =   342.30
  FLOW LENGTH(FEET) =    96.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
```

```
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.87
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      21.58
  PIPE TRAVEL TIME(MIN.) =   0.23    Tc(MIN.) =    7.82
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     18.00 =    1423.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     18.00 TO NODE     18.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.82
  RAINFALL INTENSITY(INCH/HR) =   5.13
  TOTAL STREAM AREA(ACRES) =     4.56
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     21.58

****************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   369.00
  UPSTREAM ELEVATION(FEET) =    356.20
  DOWNSTREAM ELEVATION(FEET) =    352.00
  ELEVATION DIFFERENCE(FEET) =      4.20
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.075
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    62.07
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      7.95
  TOTAL AREA(ACRES) =      1.45   TOTAL RUNOFF(CFS) =      7.95

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE     18.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.00  DOWNSTREAM(FEET) =   342.30
  FLOW LENGTH(FEET) =    94.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  94.0 INCH PIPE IS   4.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.09
  GIVEN PIPE DIAMETER(INCH) =  94.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.95
  PIPE TRAVEL TIME(MIN.) =   0.14    Tc(MIN.) =    4.22
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE     18.00 =     463.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     18.00 TO NODE     18.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
```

```
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
================================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.22
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     1.45
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.95

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       21.58     7.82        5.134          4.56
      2        7.95     4.22        6.850          1.45

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       24.12     4.22       6.850
      2       27.54     7.82       5.134

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      27.54   Tc(MIN.) =    7.82
  TOTAL AREA(ACRES) =        6.0
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     18.00 =    1423.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     18.00 TO NODE     19.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   342.30  DOWNSTREAM(FEET) =   342.20
  FLOW LENGTH(FEET) =    24.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.77
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      27.54
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    7.87
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     19.00 =    1447.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     19.00 TO NODE     19.00 IS CODE =  10
----------------------------------------------------------------------------
  >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE     19.00 TO NODE     19.00 IS CODE =  13
----------------------------------------------------------------------------
  >>>>>CLEAR THE MAIN-STREAM MEMORY<<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE     20.00 TO NODE     21.00 IS CODE =  21
----------------------------------------------------------------------------
```

```
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
================================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   288.00
  UPSTREAM ELEVATION(FEET) =    356.10
  DOWNSTREAM ELEVATION(FEET) =    352.70
  ELEVATION DIFFERENCE(FEET) =      3.40
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.046
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    62.71
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      7.67
  TOTAL AREA(ACRES) =      1.40   TOTAL RUNOFF(CFS) =      7.67

****************************************************************************
  FLOW PROCESS FROM NODE     21.00 TO NODE     22.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
================================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   350.10  DOWNSTREAM(FEET) =   349.10
  FLOW LENGTH(FEET) =   189.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.77
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.67
  PIPE TRAVEL TIME(MIN.) =   0.32    Tc(MIN.) =    4.37
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     22.00 =     477.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     22.00 TO NODE     22.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
================================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.37
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     1.40
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.67

****************************************************************************
  FLOW PROCESS FROM NODE    110.00 TO NODE    111.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
================================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   304.00
  UPSTREAM ELEVATION(FEET) =    356.10
  DOWNSTREAM ELEVATION(FEET) =    352.70
  ELEVATION DIFFERENCE(FEET) =      3.40
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.089
```

```
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    61.78
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      7.62
  TOTAL AREA(ACRES) =      1.39   TOTAL RUNOFF(CFS) =      7.62

****************************************************************************
  FLOW PROCESS FROM NODE    111.00 TO NODE     22.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   350.20  DOWNSTREAM(FEET) =   349.10
  FLOW LENGTH(FEET) =    23.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   8.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  12.17
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.62
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    4.12
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE     22.00 =     327.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     22.00 TO NODE     22.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.12
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     1.39
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.62

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        7.67     4.37        6.850          1.40
      2        7.62     4.12        6.850          1.39

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       14.85     4.12       6.850
      2       15.29     4.37       6.850

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      15.29   Tc(MIN.) =    4.37
  TOTAL AREA(ACRES) =        2.8
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     22.00 =     477.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     22.00 TO NODE     23.00 IS CODE =  41
----------------------------------------------------------------------------
```

```
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   349.10  DOWNSTREAM(FEET) =   348.50
  FLOW LENGTH(FEET) =   100.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.65
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      15.29
  PIPE TRAVEL TIME(MIN.) =   0.19    Tc(MIN.) =    4.56
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     23.00 =     577.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     23.00 TO NODE     23.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.56
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     2.79
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     15.29

****************************************************************************
  FLOW PROCESS FROM NODE    120.00 TO NODE    121.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   344.00
  UPSTREAM ELEVATION(FEET) =    358.60
  DOWNSTREAM ELEVATION(FEET) =    353.80
  ELEVATION DIFFERENCE(FEET) =      4.80
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.924
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    65.93
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      6.69
  TOTAL AREA(ACRES) =      1.22   TOTAL RUNOFF(CFS) =      6.69

****************************************************************************
  FLOW PROCESS FROM NODE    121.00 TO NODE     23.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   349.80  DOWNSTREAM(FEET) =   348.50
  FLOW LENGTH(FEET) =     3.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   4.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  27.27
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.69
  PIPE TRAVEL TIME(MIN.) =   0.00    Tc(MIN.) =    3.93
```

```
 LONGEST FLOWPATH FROM NODE    120.00 TO NODE     23.00 =     347.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     23.00 TO NODE     23.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =    3.93
 RAINFALL INTENSITY(INCH/HR) =   6.85
 TOTAL STREAM AREA(ACRES) =     1.22
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      6.69

 ** CONFLUENCE DATA **
 STREAM     RUNOFF       Tc      INTENSITY      AREA
 NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
     1       15.29     4.56        6.850          2.79
     2        6.69     3.93        6.850          1.22

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
 STREAM     RUNOFF      Tc      INTENSITY
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
     1       21.98     3.93       6.850
     2       21.98     4.56       6.850

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =      21.98   Tc(MIN.) =    4.56
 TOTAL AREA(ACRES) =        4.0
 LONGEST FLOWPATH FROM NODE     20.00 TO NODE     23.00 =     577.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     23.00 TO NODE     24.00 IS CODE =  41
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   348.50  DOWNSTREAM(FEET) =   346.50
 FLOW LENGTH(FEET) =   381.00   MANNING'S N =  0.012
 ASSUME FULL-FLOWING PIPELINE
 PIPE-FLOW VELOCITY(FEET/SEC.) =  12.44
 PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
 GIVEN PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      21.98
 PIPE TRAVEL TIME(MIN.) =   0.51    Tc(MIN.) =    5.07
 LONGEST FLOWPATH FROM NODE     20.00 TO NODE     24.00 =     958.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     24.00 TO NODE     24.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =    5.07
 RAINFALL INTENSITY(INCH/HR) =   6.79
```

```
  TOTAL STREAM AREA(ACRES) =     4.01
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     21.98

****************************************************************************
  FLOW PROCESS FROM NODE    130.00 TO NODE    131.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   193.00
  UPSTREAM ELEVATION(FEET) =    357.50
  DOWNSTREAM ELEVATION(FEET) =    354.30
  ELEVATION DIFFERENCE(FEET) =      3.20
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.814
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    69.87
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      1.21
  TOTAL AREA(ACRES) =      0.22   TOTAL RUNOFF(CFS) =      1.21

****************************************************************************
  FLOW PROCESS FROM NODE    131.00 TO NODE     24.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   350.30  DOWNSTREAM(FEET) =   346.50
  FLOW LENGTH(FEET) =    23.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.83
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.21
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    3.85
  LONGEST FLOWPATH FROM NODE    130.00 TO NODE     24.00 =     216.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     24.00 TO NODE     24.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.85
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     0.22
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.21

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       21.98     5.07        6.788          4.01
      2        1.21     3.85        6.850          0.22

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
```

```
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       22.98     3.85       6.850
      2       23.17     5.07       6.788

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      23.17   Tc(MIN.) =    5.07
  TOTAL AREA(ACRES) =        4.2
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     24.00 =     958.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     24.00 TO NODE     25.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   346.50  DOWNSTREAM(FEET) =   345.10
  FLOW LENGTH(FEET) =   245.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.38
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      23.17
  PIPE TRAVEL TIME(MIN.) =   0.55    Tc(MIN.) =    5.63
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     25.00 =    1203.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     25.00 TO NODE     25.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.63
  RAINFALL INTENSITY(INCH/HR) =   6.35
  TOTAL STREAM AREA(ACRES) =     4.23
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     23.17

****************************************************************************
  FLOW PROCESS FROM NODE    140.00 TO NODE    141.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   276.00
  UPSTREAM ELEVATION(FEET) =    356.00
  DOWNSTREAM ELEVATION(FEET) =    353.00
  ELEVATION DIFFERENCE(FEET) =      3.00
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.112
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    61.30
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
```

```
  SUBAREA RUNOFF(CFS) =      2.52
  TOTAL AREA(ACRES) =      0.46   TOTAL RUNOFF(CFS) =      2.52

****************************************************************************
  FLOW PROCESS FROM NODE    141.00 TO NODE     25.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   353.00  DOWNSTREAM(FEET) =   345.10
  FLOW LENGTH(FEET) =    24.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   2.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  18.73
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       2.52
  PIPE TRAVEL TIME(MIN.) =   0.02    Tc(MIN.) =    4.13
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE     25.00 =     300.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     25.00 TO NODE     25.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.13
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     0.46
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.52

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       23.17     5.63        6.349          4.23
      2        2.52     4.13        6.850          0.46

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       24.00     4.13       6.850
      2       25.51     5.63       6.349

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      25.51   Tc(MIN.) =    5.63
  TOTAL AREA(ACRES) =        4.7
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     25.00 =    1203.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     25.00 TO NODE     26.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   345.10  DOWNSTREAM(FEET) =   343.60
  FLOW LENGTH(FEET) =   284.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
```

```
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.12
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      25.51
  PIPE TRAVEL TIME(MIN.) =   0.58    Tc(MIN.) =    6.21
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     26.00 =    1487.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     26.00 TO NODE     26.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.21
  RAINFALL INTENSITY(INCH/HR) =   5.96
  TOTAL STREAM AREA(ACRES) =     4.69
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     25.51

****************************************************************************
  FLOW PROCESS FROM NODE    150.00 TO NODE    151.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   231.00
  UPSTREAM ELEVATION(FEET) =    355.00
  DOWNSTREAM ELEVATION(FEET) =    352.40
  ELEVATION DIFFERENCE(FEET) =      2.60
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.084
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    61.88
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      6.63
  TOTAL AREA(ACRES) =      1.21   TOTAL RUNOFF(CFS) =      6.63

****************************************************************************
  FLOW PROCESS FROM NODE    151.00 TO NODE     26.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.40  DOWNSTREAM(FEET) =   343.60
  FLOW LENGTH(FEET) =    45.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   6.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  16.26
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.63
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    4.13
  LONGEST FLOWPATH FROM NODE    150.00 TO NODE     26.00 =     276.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     26.00 TO NODE     26.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
```

```
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
================================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.13
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     1.21
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      6.63

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       25.51     6.21        5.958          4.69
      2        6.63     4.13        6.850          1.21

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       28.81     4.13       6.850
      2       31.27     6.21       5.958

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      31.27   Tc(MIN.) =    6.21
  TOTAL AREA(ACRES) =        5.9
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     26.00 =    1487.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     26.00 TO NODE     27.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   343.60  DOWNSTREAM(FEET) =   343.30
  FLOW LENGTH(FEET) =    71.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.95
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      31.27
  PIPE TRAVEL TIME(MIN.) =   0.12    Tc(MIN.) =    6.33
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     27.00 =    1558.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     27.00 TO NODE     27.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.33
  RAINFALL INTENSITY(INCH/HR) =   5.89
  TOTAL STREAM AREA(ACRES) =     5.90
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     31.27

****************************************************************************
  FLOW PROCESS FROM NODE    160.00 TO NODE    161.00 IS CODE =  21
----------------------------------------------------------------------------
```

```
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
================================================================================
  GENERAL COMMERCIAL RUNOFF COEFFICIENT = .8000
  SOIL CLASSIFICATION IS "A"
  S.C.S. CURVE NUMBER (AMC II) =  89
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   350.00
  UPSTREAM ELEVATION(FEET) =    356.10
  DOWNSTREAM ELEVATION(FEET) =    352.00
  ELEVATION DIFFERENCE(FEET) =      4.10
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.052
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    62.57
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.850
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      7.73
  TOTAL AREA(ACRES) =      1.41   TOTAL RUNOFF(CFS) =      7.73

****************************************************************************
  FLOW PROCESS FROM NODE    161.00 TO NODE     27.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   348.00  DOWNSTREAM(FEET) =   343.30
  FLOW LENGTH(FEET) =    84.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   8.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  13.04
  GIVEN PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.73
  PIPE TRAVEL TIME(MIN.) =   0.11    Tc(MIN.) =    4.16
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE     27.00 =     434.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     27.00 TO NODE     27.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.16
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     1.41
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.73

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       31.27     6.33        5.885          5.90
      2        7.73     4.16        6.850          1.41

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       34.60     4.16       6.850
```

```
      2       37.91     6.33       5.885

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      37.91   Tc(MIN.) =    6.33
  TOTAL AREA(ACRES) =        7.3
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     27.00 =    1558.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     27.00 TO NODE     19.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   343.30  DOWNSTREAM(FEET) =   342.20
  FLOW LENGTH(FEET) =   225.00   MANNING'S N =  0.012
  ASSUME FULL-FLOWING PIPELINE
  PIPE-FLOW VELOCITY(FEET/SEC.) =  12.07
  PIPE FLOW VELOCITY = (TOTAL FLOW)/(PIPE CROSS SECTION AREA)
  GIVEN PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      37.91
  PIPE TRAVEL TIME(MIN.) =   0.31    Tc(MIN.) =    6.64
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     19.00 =    1783.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     19.00 TO NODE     19.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================

  ** MAIN STREAM CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1       37.91     6.64       5.706        7.31
  LONGEST FLOWPATH FROM NODE     20.00 TO NODE     19.00 =    1783.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1       27.54     7.87       5.115        6.01
  LONGEST FLOWPATH FROM NODE     30.00 TO NODE     19.00 =    1447.00 FEET.

  ** PEAK FLOW RATE TABLE **
  STREAM    RUNOFF       Tc      INTENSITY
  NUMBER     (CFS)     (MIN.)   (INCH/HOUR)
      1      61.15       6.64        5.706
      2      61.52       7.87        5.115

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      61.52   Tc(MIN.) =    7.87
  TOTAL AREA(ACRES) =       13.3
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       13.3  TC(MIN.) =      7.87
  PEAK FLOW RATE(CFS)   =      61.52
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

24" BYPASS PIPE

Project Description	
Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data	
Roughness Coefficient	0.010
Channel Slope	0.005 ft/ft
Normal Depth	24.0 in
Diameter	24.0 in
Discharge	20.79 cfs

Results	
Discharge	20.79 cfs
Normal Depth	24.0 in
Flow Area	3.1 ft²
Wetted Perimeter	6.3 ft
Hydraulic Radius	6.0 in
Top Width	0.00 ft
Critical Depth	19.6 in
Percent Full	100.0 %
Critical Slope	0.005 ft/ft
Velocity	6.62 ft/s
Velocity Head	0.68 ft
Specific Energy	2.68 ft
Froude Number	(N/A)
Maximum Discharge	22.37 cfs
Discharge Full	20.79 cfs
Slope Full	0.005 ft/ft
Flow Type	Undefined

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	0.0 %
Downstream Velocity	0.00 ft/s
Upstream Velocity	0.00 ft/s
Normal Depth	24.0 in
Critical Depth	19.6 in
Channel Slope	0.005 ft/ft
Critical Slope	0.005 ft/ft

Appendix J-2

Storm Water Quality Management Plan

CITY OF SANTEE

PRIORITY DEVELOPMENT PROJECT (PDP)

STORM WATER QUALITY MANAGEMENT PLAN (SWQMP)

FOR
PALISADE SANTEE BUSINESS PARK
APP NO. DR2023-02

10990 N Woodside Avenue
Santee, CA 92071

ASSESSOR'S PARCEL NUMBER(S):
381-070-52-00
ENGINEER OF WORK:

Matthew Hellesen, P.E. - R.C.E. 87299

PREPARED FOR:

North Palisade Partners
1330 Factory Please STE 105
Los Angeles, CA 90013
(213) 495-2945

PDP SWQMP PREPARED BY:

DRC Engineering, Inc.
160 S Old Springs Road, STE 210
Anaheim Hills, CA 92807
(714) 685-6860 x339

DATE OF SWQMP:
March 29, 2023

PLANS PREPARED BY:
DRC Engineering, Inc.
160 S Old Springs Road, STE 210
Anaheim Hills, CA 92807
(714) 685-6860 x339

PDP SWQMP Template Date: February 2016
PDP SWQMP Preparation Date: March 29, 2023

Page intentionally blank

TABLE OF CONTENTS

Acronym Sheet

PDP SWQMP Preparer's Certification Page

PDP SWQMP Project Owner's Certification Page

Submittal Record

Project Vicinity Map

FORM I-1 Applicability of Permanent, Post-Construction Storm Water BMP Requirements

FORM I-2 Project Type Determination Checklist (Standard Project or PDP)

FORM I-3B Site Information Checklist for PDPs

FORM I-4 Source Control BMP Checklist for All Development Projects

FORM I-5 Site Design BMP Checklist for All Development Projects

FORM I-6 Summary of PDP Structural BMPs

Attachment 1: Backup for PDP Pollutant Control BMPs

- Attachment 1a: DMA Exhibit
- Attachment 1b: Tabular Summary of DMAs and Design Capture Volume Calculations
- Attachment 1c: Harvest and Use Feasibility Screening (when applicable)
- Attachment 1d: Categorization of Infiltration Feasibility Condition (when applicable)
- Attachment 1e: Pollutant Control BMP Design Worksheets / Calculations

Attachment 2: Backup for PDP Hydromodification Control Measures

- Attachment 2a: Hydromodification Management Exhibit
- Attachment 2b: Management of Critical Coarse Sediment Yield Areas
- Attachment 2c: Geomorphic Assessment of Receiving Channels
- Attachment 2d: Flow Control Facility Design

Attachment 3: Structural BMP Maintenance Plan

- Attachment 3a: B Structural BMP Maintenance Thresholds and Actions
- Attachment 3b: Draft Maintenance Agreement (when applicable)

Attachment 4: Copy of Plan Sheets Showing Permanent Storm Water BMPs

ACRONYMS

APN	Assessor's Parcel Number
BMP	Best Management Practice
HMP	Hydromodification Management Plan
HSG	Hydrologic Soil Group
MS4	Municipal Separate Storm Sewer System
N/A	Not Applicable
NRCS	Natural Resources Conservation Service
PDP	Priority Development Project
PE	Professional Engineer
SC	Source Control
SD	Site Design
SDRWQCB	San Diego Regional Water Quality Control Board
SIC	Standard Industrial Classification
SWQMP	Storm Water Quality Management Plan

SWQMP PREPARER'S
CERTIFICATION PAGE

Project Name: Palisade Santee Business Park
Permit Application Number: DR2023-02

PREPARER'S CERTIFICATION

I hereby declare that I am the Engineer in Responsible Charge of design of storm water best management practices (BMPs) for this project, and that I have exercised responsible charge over the design of the BMPs as defined in Section 6703 of the Business and Professions Code, and that the design is consistent with the PDP requirements of the City of Santee BMP Design Manual, which is a design manual for compliance with local City of Santee and regional MS4 Permit (California Regional Water Quality Control Board San Diego Region Order No. R9-2015-0100) requirements for storm water management.

I have read and understand that the [City Engineer] has adopted minimum requirements for managing urban runoff, including storm water, from land development activities, as described in the BMP Design Manual. I certify that this PDP SWQMP has been completed to the best of my ability and accurately reflects the project being proposed and the applicable BMPs proposed to minimize the potentially negative impacts of this project's land development activities on water quality. I understand and acknowledge that the plan check review of this PDP SWQMP by the [City Engineer] is confined to a review and does not relieve me, as the Engineer in Responsible Charge of design of storm water BMPs for this project, of my responsibilities for project design.

R.C.E. 87299 Exp. 9/30/25

Engineer of Work's Signature, PE Number & Expiration Date

Matthew Hellesen

Print Name

DRC Engineering, Inc.

Company

01/10/24

Date

Engineer's Seal:

PDP SWQMP Template Date: February 2016
PDP SWQMP Preparation Date: March 29, 2023

Page intentionally blank

DocuSign Envelope ID: 4E0DED08-E3B6-4FFB-9F88-19D7E1DC9D0E

SWQMP PROJECT OWNER'S
CERTIFICATION PAGE

Project Name: Palisade Santee Commerce Center
Permit Application Number: DR2023-02

PROJECT OWNER'S CERTIFICATION

This PDP SWQMP has been prepared for North Palisade Opco, LLC by DRC Engineering, Inc. The PDP SWQMP is intended to comply with the PDP requirements of the San Diego County BMP Design Manual, which is a design manual for compliance with local City of Santee and regional MS4 Permit (California Regional Water Quality Control Board San Diego Region Order No. R9-2015-0100) requirements for storm water management.

The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan. Once the undersigned transfers its interests in the property, its successor-in-interest shall bear the aforementioned responsibility to implement the best management practices (BMPs) described within this plan, including ensuring on-going operation and maintenance of structural BMPs. A signed copy of this document shall be available on the subject property into perpetuity.

DocuSigned by:
Brian Wong
95F84A0A72AD460...
Project Owner's Signature

Brian Wong
Print Name

North Palisade Opco, LLC
Company

1/9/2024
Date

Page intentionally blank

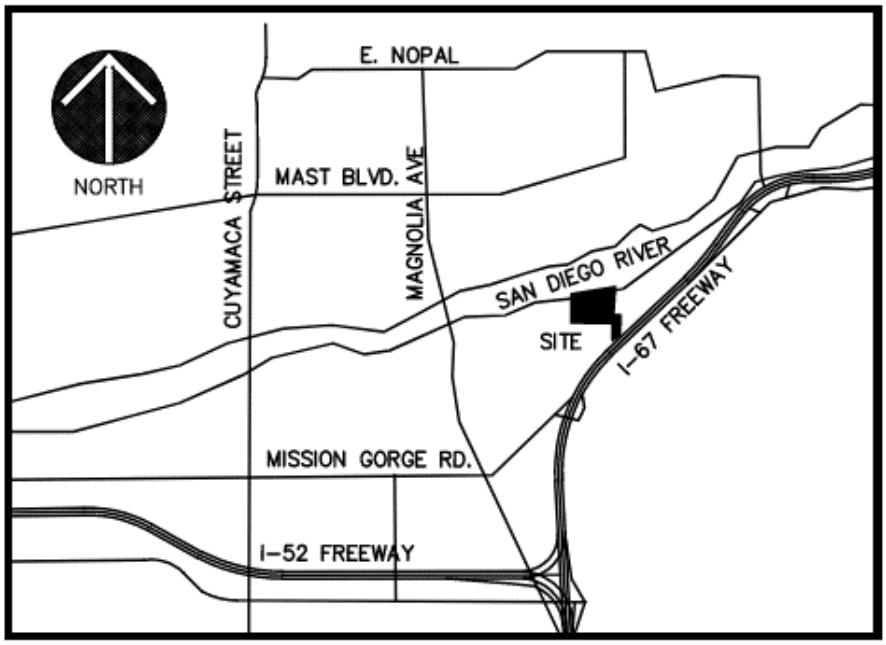
SUBMITTAL RECORD

Use this Table to keep a record of submittals of this PDP SWQMP. Each time the PDP SWQMP is re-submitted, provide the date and status of the project. In column 4 summarize the changes that have been made or indicate if response to plancheck comments is included. When applicable, insert response to plancheck comments behind this page.

Submittal Number	Date	Project Status	Summary of Changes
1	4/3/2023	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Initial Submittal
2	8/21/2023	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Second Submittal
3	1/10/2024	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Third Submittal
4		☐ Preliminary Design / Planning/ CEQA ☐ Final Design	

PROJECT VICINITY MAP

Project Name: Palisade Santee Business Park
Permit Application Number: DR2023-02



VICINITY MAP
NTS

Applicability of Permanent, Post-Construction Storm Water BMP Requirements **(Storm Water Intake Form for all Development Permit Applications)**	**Form I-1** Model BMP Design Manual [August 31, 2015]

Project Identification

Project Name: Palisade Santee Business Park	
Permit Application Number: DR2023-02	Date: 3/29/2023
Project Address: 10990 N Woodside Avenue, Santee, CA 92071	

Determination of Requirements

The purpose of this form is to identify permanent, post-construction requirements that apply to the project. This form serves as a short summary of applicable requirements, in some cases referencing separate forms that will serve as the backup for the determination of requirements.

Answer each step below, starting with Step 1 and progressing through each step until reaching "Stop". **Upon reaching a Stop, do not complete further Steps beyond the Stop.**

Refer to BMP Design Manual sections and/or separate forms referenced in each step below.

Step	Answer	Progression
Step 1: Is the project a "development project"? See Section 1.3 of the BMP Design Manual for guidance.	☒ Yes	Go to Step 2.
	☐ No	Stop. Permanent BMP requirements do not apply. No SWQMP will be required. Provide discussion below.
Discussion / justification if the project is not a "development project" (e.g., the project includes *only* interior remodels within an existing building):		
Step 2: Is the project a Standard Project, Priority Development Project (PDP), or exception to PDP definitions? To answer this item, see Section 1.4 of the BMP Design Manual *in its entirety* for guidance, AND complete Form I-2, Project Type Determination.	☐ Standard Project	Stop. Only Standard Project requirements apply, including Standard Project SWQMP.
	☒ PDP	Standard and PDP requirements apply, including PDP SWQMP. Go to Step 3.
	☐ Exception to PDP definitions	Stop. Standard Project requirements apply, and any additional requirements specific to the type of project. Provide discussion and list any additional requirements below. Prepare Standard Project SWQMP.

Form I-1 Page 2, Form Template Date: August 31, 2015		
[Step 2 Continued from Page 1] Discussion / justification, and additional requirements for exceptions to PDP definitions, if applicable:		
Step 3 (PDPs only). Is the project subject to earlier PDP requirements due to a prior lawful approval? See Section 1.10 of the BMP Design Manual for guidance.	☐ Yes	Consult the [City Engineer] to determine requirements. Provide discussion and identify requirements below. Go to Step 4.
	☒ No	BMP Design Manual PDP requirements apply. Go to Step 4.
Discussion / justification of prior lawful approval, and identify requirements (*not required if prior lawful approval does not apply*):		
Step 4 (PDPs only). Do hydromodification control requirements apply? See Section 1.6 of the BMP Design Manual for guidance.	☐ Yes	PDP structural BMPs required for pollutant control (Chapter 5) and hydromodification control (Chapter 6). Go to Step 5.
	☒ No	Stop. PDP structural BMPs required for pollutant control (Chapter 5) only. Provide brief discussion of exemption to hydromodification control below.
Discussion / justification if hydromodification control requirements do not apply: The existing project site drains directly into the San Diego River within the San Deigo River Watershed Management Area. The San Diego River is listed as an exempt river reach per the "Receiving Waters and Conveyance Systems Exempt from Hydromodification Management Requirements" Map included in Attachment 2.		
Step 5 (PDPs subject to hydromodification control requirements only). Does protection of critical coarse sediment yield areas apply based on review of WMAA Potential Critical Coarse Sediment Yield Area Map? See Section 6.2 of the BMP Design Manual for guidance.	☐ Yes	Management measures required for protection of critical coarse sediment yield areas (Chapter 6.2). Stop.
	☐ No	Management measures not required for protection of critical coarse sediment yield areas. Provide brief discussion below. Stop.

Priority Determination Form	Form I-2 Model BMP Design Manual [August 31, 2015]

Project Information

Project Name: Palisade Santee Business Park	
Permit Application Number: DR2023-02	Date: 3/29/2023
Project Address: 10990 N Woodside Avenue, Santee, CA 92071	

Project Type Determination: Standard Project or Priority Development Project (PDP)

The project is (select one): ☐ New Development ☒ Redevelopment

The total proposed newly created or replaced impervious area is: _548,087_ ft^2 (12.58) acres

Is the project in any of the following categories, (a) through (f)?

Yes	No		
☐	☒	(a)	New development projects that create 10,000 square feet or more of impervious surfaces (collectively over the entire project site). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
☒	☐	(b)	Redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site on an existing site of 10,000 square feet or more of impervious surfaces). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
☐	☒	(c)	New and redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site), and support one or more of the following uses: (i) Restaurants. This category is defined as a facility that sells prepared foods and drinks for consumption, including stationary lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption (Standard Industrial Classification (SIC) code 5812). (ii) Hillside development projects. This category includes development on any natural slope that is twenty-five percent or greater. (iii) Parking lots. This category is defined as a land area or facility for the temporary parking or storage of motor vehicles used personally, for business, or for commerce. (iv) Streets, roads, highways, freeways, and driveways. This category is defined as any paved impervious surface used for the transportation of automobiles, trucks, motorcycles, and other vehicles.

Form I-2 Page 2, Form Template Date: August 31, 2015			
Yes ☐	No ☒	(d)	New or redevelopment projects that create and/or replace 2,500 square feet or more of impervious surface (collectively over the entire project site), and discharging directly to an Environmentally Sensitive Area (ESA). "Discharging directly to" includes flow that is conveyed overland a distance of 200 feet or less from the project to the ESA, or conveyed in a pipe or open channel any distance as an isolated flow from the project to the ESA (i.e. not commingled with flows from adjacent lands). *Note: ESAs are areas that include but are not limited to all Clean Water Act Section 303(d) impaired water bodies; areas designated as Areas of Special Biological Significance by the State Water Board and San Diego Water Board; State Water Quality Protected Areas; water bodies designated with the RARE beneficial use by the State Water Board and San Diego Water Board; and any other equivalent environmentally sensitive areas which have been identified by the Copermittees. See BMP Design Manual Section 1.4.2 for additional guidance.*
Yes ☐	No ☒	(e)	New development projects, or redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface, that support one or more of the following uses: (i) Automotive repair shops. This category is defined as a facility that is categorized in any one of the following SIC codes: 5013, 5014, 5541, 7532-7534, or 7536-7539. (ii) Retail gasoline outlets (RGOs). This category includes RGOs that meet the following criteria: (a) 5,000 square feet or more or (b) a projected Average Daily Traffic (ADT) of 100 or more vehicles per day.
Yes ☒	No ☐	(f)	New or redevelopment projects that result in the disturbance of one or more acres of land and are expected to generate pollutants post construction. *Note: See BMP Design Manual Section 1.4.2 for additional guidance.*

Does the project meet the definition of one or more of the Priority Development Project categories (a) through (f) listed above?

☐ No – the project is not a Priority Development Project (Standard Project).

☒ Yes – the project is a Priority Development Project (PDP).

The following is for redevelopment PDPs only:

The area of existing (pre-project) impervious area at the project site is: 499,523 ft^2 (A)
The total proposed newly created or replaced impervious area is 548,087 ft^2 (B)
Percent impervious surface created or replaced (B/A)*100: 109.7 %
The percent impervious surface created or replaced is (select one based on the above calculation):

☐ less than or equal to fifty percent (50%) – only new impervious areas are considered PDP

OR

☒ greater than fifty percent (50%) – the entire project site is a PDP

Site Design Checklist For PDPs	Form I-3B (PDPs) Model BMP Design Manual [August 31, 2015]
Project Summary Information	
Project Name	Palisade Santee Business Park
Project Address	10990 N Woodside Avenue, Santee, CA 92071
Assessor's Parcel Number(s) (APN(s))	381-070-52-00
Permit Application Number	DR2023-02
Project Hydrologic Unit	Select One: ☐ Santa Margarita 902 ☐ San Luis Rey 903 ☐ Carlsbad 904 ☐ San Dieguito 905 ☐ Penasquitos 906 ☒ San Diego 907 ☐ Pueblo San Diego 908 ☐ Sweetwater 909 ☐ Otay 910 ☐ Tijuana 911
Project Watershed (Complete Hydrologic Unit, Area, and Subarea Name with Numeric Identifier)	Lower San Diego Hydrological Area (907.1), Santee subwatershed (907.12)
Parcel Area (total area of Assessor's Parcel(s) associated with the project)	13.49 Acres (587,673 Square Feet)
Area to be Disturbed by the Project (Project Area)	13.48 Acres (587,042 Square Feet)
Project Proposed Impervious Area (subset of Project Area)	12.58 Acres (548,087 Square Feet)
Project Proposed Pervious Area (subset of Project Area)	0.89 Acres (38,955 Square Feet)
Note: Proposed Impervious Area + Proposed Pervious Area = Area to be Disturbed by the Project. This may be less than the Parcel Area.	

Description of Existing Site Condition

Current Status of the Site (select all that apply):

- [x] Existing development
- [ ] Previously graded but not built out
- [ ] Demolition completed without new construction
- [ ] Agricultural or other non-impervious use
- [ ] Vacant, undeveloped/natural

Description / Additional Information:
Current site is an existing drive-in movie theater predominantly made up of a parking lot and drive aisles.

Existing Land Cover Includes (select all that apply):

- [ ] Vegetative Cover
- [x] Non-Vegetated Pervious Areas
- [x] Impervious Areas

Description / Additional Information:
Site is predominantly made up of a parking lot and drive aisles. All pervious areas are dirt.

Underlying Soil belongs to Hydrologic Soil Group (select all that apply):

- [x] NRCS Type A
- [ ] NRCS Type B
- [ ] NRCS Type C
- [ ] NRCS Type D

Approximate Depth to Groundwater (GW):

- [ ] GW Depth < 5 feet
- [ ] 5 feet < GW Depth < 10 feet
- [ ] 10 feet < GW Depth < 20 feet
- [x] GW Depth > 20 feet

Existing Natural Hydrologic Features (select all that apply):

☐ Watercourses

☐ Seeps

☐ Springs

☐ Wetlands

☒ None

Description / Additional Information:

Description of Existing Site Drainage Patterns

How is storm water runoff conveyed from the site? At a minimum, this description should answer:

(1) whether existing drainage conveyance is natural or urban;

(2) Is runoff from offsite conveyed through the site? if yes, quantify all offsite drainage areas, design flows, and locations where offsite flows enter the project site, and summarize how such flows are conveyed through the site;

(3)Provide details regarding existing project site drainage conveyance network, including any existing storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, natural or constructed channels; and

(4) Identify all discharge locations from the existing project site along with a summary of conveyance system size and capacity for each of the discharge locations. Provide summary of the pre-project drainage areas and design flows to each of the existing runoff discharge locations.

Describe existing site drainage patterns:

The site is currently made up of a drive-in movie theater and is predominately made up of parking lots and drive aisles. Stormwater flow currently sheet flows over the parking lot to a low spot in the northwest corner of the site and spills into the San Diego River over natural terrain. There is currently no drainage system within the site. Approximately 3.5 acres of onsite run-on currently flows onto the site. An existing 24-inch culvert located under CA-67 Freeway outlets at the entrance of the site off of Woodside Avenue. This culvert collects approximately 2.8 acres from the freeway as well as the southern portion of Woodside Drive. An additional 0.7 acres covering the northern portion of Woodside Drive collects in the curb and gutter from south of Wheatlands Drive and outlets at the existing entrance of the site. In total, approximately 16.8 acres of tributary area flows to the existing low spot.

Description of Proposed Site Development

Project Description / Proposed Land Use and/or Activities:

The project is made up of the construction of a 300,145 square foot warehouse and associated improvements. The building will be used for general warehousing and storage (SIC Code 4225) and feature truck docks on each side of the building. Truck traffic will enter the site off of Woodside Avenue and be able to access drive aisles around the perimeter of the building.

List/describe proposed impervious features of the project (e.g., buildings, roadways, parking lots, courtyards, athletic courts, other impervious features):

The 300,145 square foot warehouse will feature associated drive aisles, parking stalls, walkways and 2 trash enclosures. All impervious surfaces have been designed to have a minimum slope to address ADA and Building Code requirements.

List/describe proposed pervious features of the project (e.g., landscape areas):

All landscaped areas within the site will feature drought tolerant landscaping.

Does the project include grading and changes to site topography?

☒ Yes

☐ No

Description / Additional Information:

Project includes grading but overall drainage patterns of the site will remain the same with the on-site storm drain flowing towards the north corner of the site towards the San Diego River.

Description of Proposed Site Drainage Patterns

Does the project include changes to site drainage (e.g., installation of new storm water conveyance systems)?

☒ Yes
☐ No

If yes, provide details regarding the proposed project site drainage conveyance network, including storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, natural or constructed channels, and the method for conveying offsite flows through or around the proposed project site. Identify all discharge locations from the proposed project site along with a summary of the conveyance system size and capacity for each of the discharge locations. Provide a summary of pre- and post-project drainage areas and design flows to each of the runoff discharge locations. Reference the drainage study for detailed calculations.

Describe proposed site drainage patterns:

The proposed site will feature an on-site storm drain system that will accept flows from drain inlets at low spots throughout the site. Stormwater will continue to flow to the north of the site, around the building to an underground infiltration system located with the northern truck yard. The infiltration chamber will be sized based on SWQMP requirements with larger flows building up within the system and discharging to a headwall structure draining into the San Diego River. The headwall structure will outlet to a rip-rap pad to dissipate energy and provide scour protection.

Approximately 0.24 acres to the north of the site consisting of pervious slope will be considered self-mitigating as this area currently drains into the San Diego River and can not feasibly be accepted by the on-site storm drain system. The area is highlighted on the DMA Exhibit in Attachment 1 and is designated as DMA A-1.

While in depth sizing has yet to be calculated, see the Preliminary Hydrology Report for general sizing information for the on-site storm drain as well as pre vs. post development comparisons of the site.

Identify whether any of the following features, activities, and/or pollutant source areas will be present (select all that apply):

- [x] On-site storm drain inlets
- [ ] Interior floor drains and elevator shaft sump pumps
- [ ] Interior parking garages
- [x] Need for future indoor & structural pest control
- [x] Landscape/Outdoor Pesticide Use
- [ ] Pools, spas, ponds, decorative fountains, and other water features
- [ ] Food service
- [x] Refuse areas
- [ ] Industrial processes
- [ ] Outdoor storage of equipment or materials
- [ ] Vehicle and Equipment Cleaning
- [ ] Vehicle/Equipment Repair and Maintenance
- [ ] Fuel Dispensing Areas
- [x] Loading Docks
- [x] Fire Sprinkler Test Water
- [ ] Miscellaneous Drain or Wash Water
- [x] Plazas, sidewalks, and parking lots

Description / Additional Information:
Project will only feature general warehousing activities

Form I-3B Page 7 of 10, Form Template Date: August 31, 2015

Identification and Narrative of Receiving Water and Pollutants of Concern

Describe flow path of storm water from the project site discharge location(s), through urban storm conveyance systems as applicable, to receiving creeks, rivers, and lagoons as applicable, and ultimate discharge to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable):

Project discharges directly to the San Diego River in the Lower San Diego Hydrological Area (907.1) which downstream outlets into the Famosa Slough and the Pacific Ocean.

List any 303(d) impaired water bodies within the path of storm water from the project site to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable), identify the pollutant(s)/stressor(s) causing impairment, and identify any TMDLs and/or Highest Priority Pollutants from the WQIP for the impaired water bodies:

303(d) Impaired Water Body	Pollutant(s)/Stressor(s)	TMDLs / WQIP Highest Priority Pollutant
San Diego River (lower)	Indicator Bacteria, Low Dissolved Oxygen, Nitrogen, Phosphorus, Total Dissolved Solids, Toxicity, Cadmium, Benthic Community Events	Bacteria
Famosa Slough	Eutrophic	Eutrophication (Under Development)
Pacific Ocean Shoreline	Enterococcus, Total Coliform	Bacteria

Identification of Project Site Pollutants*

***Identification of project site pollutants is only required if flow-thru treatment BMPs are implemented onsite in lieu of retention or biofiltration BMPs (note the project must also participate in an alternative compliance program unless prior lawful approval to meet earlier PDP requirements is demonstrated)**

Identify pollutants expected from the project site based on all proposed use(s) of the site (see BMP Design Manual Appendix B.6):

Pollutant	Not Applicable to the Project Site	Expected from the Project Site	Also a Receiving Water Pollutant of Concern
Sediment			
Nutrients			
Heavy Metals			
Organic Compounds			
Trash & Debris			
Oxygen Demanding Substances			
Oil & Grease			
Bacteria & Viruses			
Pesticides			

Hydromodification Management Requirements

Do hydromodification management requirements apply (see Section 1.6 of the BMP Design Manual)?

☐ Yes, hydromodification management flow control structural BMPs required.

☐ No, the project will discharge runoff directly to existing underground storm drains discharging directly to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☐ No, the project will discharge runoff directly to conveyance channels whose bed and bank are concrete-lined all the way from the point of discharge to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☒ No, the project will discharge runoff directly to an area identified as appropriate for an exemption by the WMAA for the watershed in which the project resides.

Description / Additional Information (to be provided if a 'No' answer has been selected above):

Project discharges water directly into the San Diego River which is defined as an exempt river reach based on Watershed Management Area Analysis.

Critical Coarse Sediment Yield Areas*

***This Section only required if hydromodification management requirements apply**

Based on the maps provided within the WMAA, do potential critical coarse sediment yield areas exist within the project drainage boundaries?

☐ Yes
☐ No, No critical coarse sediment yield areas to be protected based on WMAA maps

If yes, have any of the optional analyses presented in Section 6.2 of the BMP Design Manual been performed?

☐ 6.2.1 Verification of Geomorphic Landscape Units (GLUs) Onsite
☐ 6.2.2 Downstream Systems Sensitivity to Coarse Sediment
☐ 6.2.3 Optional Additional Analysis of Potential Critical Coarse Sediment Yield Areas Onsite
☐ No optional analyses performed, the project will avoid critical coarse sediment yield areas identified based on WMAA maps

If optional analyses were performed, what is the final result?

☐ No critical coarse sediment yield areas to be protected based on verification of GLUs onsite
☐ Critical coarse sediment yield areas exist but additional analysis has determined that protection is not required. Documentation attached in Attachment 2.b of the SWQMP.
☐ Critical coarse sediment yield areas exist and require protection. The project will implement management measures described in Sections 6.2.4 and 6.2.5 as applicable, and the areas are identified on the SWQMP Exhibit.

Discussion / Additional Information:

Form I-3B Page 9 of 10, Form Template Date: August 31, 2015
Flow Control for Post-Project Runoff*   ***This Section only required if hydromodification management requirements apply**
List and describe point(s) of compliance (POCs) for flow control for hydromodification management (see Section 6.3.1). For each POC, provide a POC identification name or number correlating to the project's HMP Exhibit and a receiving channel identification name or number correlating to the project's HMP Exhibit.
Has a geomorphic assessment been performed for the receiving channel(s)?   ☐ No, the low flow threshold is 0.1Q2 (default low flow threshold)   ☐ Yes, the result is the low flow threshold is 0.1Q2   ☐ Yes, the result is the low flow threshold is 0.3Q2   ☐ Yes, the result is the low flow threshold is 0.5Q2   If a geomorphic assessment has been performed, provide title, date, and preparer: Discussion / Additional Information: (optional)

Form I-3B Page 10 of 10, Form Template Date: August 31, 2015
Other Site Requirements and Constraints
When applicable, list other site requirements or constraints that will influence storm water management design, such as zoning requirements including setbacks and open space, or local codes governing minimum street width, sidewalk construction, allowable pavement types, and drainage requirements. Not Applicable
Optional Additional Information or Continuation of Previous Sections As Needed
This space provided for additional information or continuation of information from previous sections as needed.

Source Control BMP Checklist for All Development Projects (Standard Projects and Priority Development Projects)	Form I-4 Model BMP Design Manual [August 31, 2015]

Project Identification

Project Name: Palisade Santee Business Park	
Permit Application Number: DR2023-02	Date: 3/29/2023

Source Control BMPs

All development projects must implement source control BMPs SC-1 through SC-6 where applicable and feasible. See Chapter 4 and Appendix E of the Model BMP Design Manual for information to implement source control BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the source control BMP as described in Chapter 4 and/or Appendix E of the Model BMP Design Manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project has no outdoor materials storage areas). Discussion / justification may be provided.

Source Control Requirement	Applied?		
SC-1 Prevention of Illicit Discharges into the MS4	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-1 not implemented:			
SC-2 Storm Drain Stenciling or Signage	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-2 not implemented:			
SC-3 Protect Outdoor Materials Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☐ Yes	☐ No	☒ N/A
Discussion / justification if SC-3 not implemented: The project has no outdoor material storage areas.			
SC-4 Protect Materials Stored in Outdoor Work Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☐ Yes	☐ No	☒ N/A
Discussion / justification if SC-4 not implemented: The project has no outdoor work areas.			

Form I-4 Page 2 of 2, Form Template Date: August 31, 2015			
Source Control Requirement	**Applied?**		
SC-5 Protect Trash Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-5 not implemented:			
SC-6 Additional BMPs Based on Potential Sources of Runoff Pollutants (must answer for each source listed below)			
☐ On-site storm drain inlets	☒ Yes	☐ No	☐ N/A
☐ Interior floor drains and elevator shaft sump pumps	☐ Yes	☐ No	☒ N/A
☐ Interior parking garages	☐ Yes	☐ No	☒ N/A
☐ Need for future indoor & structural pest control	☒ Yes	☐ No	☐ N/A
☐ Landscape/Outdoor Pesticide Use	☒ Yes	☐ No	☐ N/A
☐ Pools, spas, ponds, decorative fountains, and other water features	☐ Yes	☐ No	☒ N/A
☐ Food service	☐ Yes	☐ No	☒ N/A
☐ Refuse areas	☒ Yes	☐ No	☐ N/A
☐ Industrial processes	☐ Yes	☐ No	☒ N/A
☐ Outdoor storage of equipment or materials	☐ Yes	☐ No	☒ N/A
☐ Vehicle and Equipment Cleaning	☐ Yes	☐ No	☒ N/A
☐ Vehicle/Equipment Repair and Maintenance	☐ Yes	☐ No	☒ N/A
☐ Fuel Dispensing Areas	☐ Yes	☐ No	☒ N/A
☐ Loading Docks	☒ Yes	☐ No	☐ N/A
☐ Fire Sprinkler Test Water	☒ Yes	☐ No	☐ N/A
☐ Miscellaneous Drain or Wash Water	☐ Yes	☐ No	☒ N/A
☐ Plazas, sidewalks, and parking lots	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-6 not implemented. Clearly identify which sources of runoff pollutants are discussed. Justification must be provided for <u>all</u> "No" answers shown above. Outdoor storage, vehicle cleaning, vehicle repair/maintenance and fuel dispensing is not allowed on site. There are no interior floor drains, interior parking garages, food service or industrial processes within the building. No decorative water features are associated with the project.			

Site Design BMP Checklist for All Development Projects (Standard Projects and Priority Development Projects)	Form I-5 Model BMP Design Manual [August 31, 2015]

Project Identification

Project Name: Palisade Santee Business Park

Permit Application Number: DR2023-02

Site Design BMPs

All development projects must implement site design BMPs SD-1 through SD-8 where applicable and feasible. See Chapter 4 and Appendix E of the Model BMP Design Manual for information to implement site design BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the site design BMP as described in Chapter 4 and/or Appendix E of the Model BMP Design Manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project site has no existing natural areas to conserve). Discussion / justification may be provided.

Site Design Requirement	Applied?		
SD-1 Maintain Natural Drainage Pathways and Hydrologic Features	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-1 not implemented:			
SD-2 Conserve Natural Areas, Soils, and Vegetation	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-2 not implemented:			
SD-3 Minimize Impervious Area	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-3 not implemented:			
SD-4 Minimize Soil Compaction	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-4 not implemented:			
SD-5 Impervious Area Dispersion	☐ Yes	☐ No	☒ N/A
Discussion / justification if SD-5 not implemented: Site layout and limited pervious area makes SD-5 infeasible to implement effectively.			

Form I-5 Page 2 of 2, Form Template Date: August 31, 2015			
Site Design Requirement	**Applied?**		
SD-6 Runoff Collection	☐ Yes	☐ No	☒ N/A
Discussion / justification if SD-6 not implemented: Site is implementing infiltration practices that retains stormwater on-site, therefore, there is no need to implement runoff collection.			
SD-7 Landscaping with Native or Drought Tolerant Species	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-7 not implemented:			
SD-8 Harvesting and Using Precipitation	☐ Yes	☐ No	☒ N/A
Discussion / justification if SD-8 not implemented: Site is implementing infiltration practices that retains stormwater on-site, therefore, there is no need to implement rainwater harvesting.			

Summary of PDP Structural BMPs	Form I-6 (PDPs) Model BMP Design Manual [August 31, 2015]
Project Identification	
Project Name: Palisade Santee Business Park	
Permit Application: Number DR2023-02	
PDP Structural BMPs	
All PDPs must implement structural BMPs for storm water pollutant control (see Chapter 5 of the BMP Design Manual). Selection of PDP structural BMPs for storm water pollutant control must be based on the selection process described in Chapter 5. PDPs subject to hydromodification management requirements must also implement structural BMPs for flow control for hydromodification management (see Chapter 6 of the BMP Design Manual). Both storm water pollutant control and flow control for hydromodification management can be achieved within the same structural BMP(s). PDP structural BMPs must be verified by the local jurisdiction at the completion of construction. This may include requiring the project owner or project owner's representative and engineer of record to certify construction of the structural BMPs (see Section 1.12 of the BMP Design Manual). PDP structural BMPs must be maintained into perpetuity, and the local jurisdiction must confirm the maintenance (see Section 7 of the BMP Design Manual). Use this form to provide narrative description of the general strategy for structural BMP implementation at the project site in the box below. Then complete the PDP structural BMP summary information sheet (page 3 of this form) for each structural BMP within the project (copy the BMP summary information page as many times as needed to provide summary information for each individual structural BMP).	

Describe the general strategy for structural BMP implementation at the site. This information must describe how the steps for selecting and designing storm water pollutant control BMPs presented in Section 5.1 of the BMP Design Manual were followed, and the results (type of BMPs selected). For projects requiring hydromodification flow control BMPs, indicate whether pollutant control and flow control BMPs are integrated or separate.

Based on the location, the site has an 85th percentile 24-hr storm depth of 0.50 inches (BMP Design Manual Figure B.1-1). Per DMA Exhibit in Attachment 1A, DMA A-1 is classified as self-mitigating and does not drain to the proposed structural BMP. DMA A drains to the proposed structural BMP and consists of the remainder of the project site. DMA A is approximately 5% engineered pervious surfaces not serving as a dispersion area (C=0.10), and 95% impervious surface (C=0.90). Final Adjusted Runoff Factor is 0.86. Based on the above information, a Final Design Capture Volume Tributary to BMP was calculated to be 21,684 cu ft.

Capture and Use was not considered for this project as the project does not include habitable structures over 9 stories tall. Table B.2-1 was used to analyze if infiltration would be permissible on the site. All mandatory considerations were not applicable (see below)…

Table B.2-1: Infiltration Restrictions

Restriction Element		Is Element Applicable? (Yes/No)
Mandatory Considerations	BMP is within 100' of Contaminated Soils	NO
	BMP is within 100' of Industrial Activities Lacking Source Control	NO
	BMP is within 100' of Well/Groundwater Basin	NO
	BMP is within 50' of Septic Tanks/Leach Fields	NO
	BMP is within 10' of Structures/Tanks/Walls	NO
	BMP is within 10' of Sewer Utilities	NO
	BMP is within 10' of Groundwater Table	NO
	BMP is within Hydric Soils	NO
	BMP is within Highly Liquefiable Soils and has Connectivity to Structures	NO
	BMP is within 1.5 Times the Height of Adjacent Steep Slopes (≥25%)	NO
	County Staff has Assigned "Restricted" Infiltration Category	NO
Optional Considerations	BMP is within Predominantly Type D Soil	
	BMP is within 10' of Property Line	
	BMP is within Fill Depths of ≥5' (Existing or Proposed)	
	BMP is within 10' of Underground Utilities	
	BMP is within 250' of Ephemeral Stream	
	Other (Provide detailed geotechnical support)	
Result	**Unrestricted**. None of the restriction elements above are applicable.	X
	Restricted. One or more of the restriction elements above are applicable.	

(Continue on page 2 as necessary.)

Form I-6 Page 2 of 4, Form Template Date: August 31, 2015
(Page reserved for continuation of description of general strategy for structural BMP implementation at the site)
(Continued from page 1) Infiltration testing yielded rates of 21.4 in/hr and 18.8 in/hr to the north and south of the site done by the geotechnical engineer. A factor of safety of 3.00 was applied to 18.8 in/hr equating to a design infiltration rate of 6.27 in/hr used for the project site. See factor of safety calculations in Attachment 3. Based on retention requirements, a required retention volume was calculated to be 21,467 cu ft. Automated worksheet B.3 was used to demonstrate BMP performance. As this is an underground chamber system, ponding depth was represented by the height of water stored within the chamber, and gravel thickness was represented as the 12” and 9” gravel layer both above and below the infiltration chambers. There was 0 deficit of effectively treated stormwater.

Form I-6 Page 3 of 4 (Copy as many as needed) , Form Template Date: August 31, 2015	
Structural BMP Summary Information **(Copy this page as needed to provide information for each individual proposed structural BMP)**	
Structural BMP ID No. INF-A	
Construction Plan Sheet No. Conceptual Utility Plan	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☒ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☐ Biofiltration (BF-1) ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☒ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Matthew Hellesen R.C.E. 87299 Exp. 9/30/25 Senior Project Manager DRC Engineering, Inc. 160 South Old Springs Road, Suite 210 Anaheim Hills, CA 92808 Phone: (714) 685-6860 x364 Email: mhellesen@drc.eng.com

Who will be the final owner of this BMP?	Brian Wong SVP, Development North Palisade Partners, LLC 1330 Factory Place, Suite 105 Los Angeles, CA 90013 Phone: (310) 242-1612 Email: brian.wong@northpalisade.com
Who will maintain this BMP into perpetuity?	Brian Wong SVP, Development North Palisade Partners, LLC 1330 Factory Place, Suite 105 Los Angeles, CA 90013 Phone: (310) 242-1612 Email: brian.wong@northpalisade.com
What is the funding mechanism for maintenance?	Private funding from owner.

Form I-6 Page 4 of 4 (Copy as many as needed) , Form Template Date: August 31, 2015
Structural BMP ID No.
Construction Plan Sheet No.
Discussion (as needed):

ATTACHMENT 1
BACKUP FOR PDP POLLUTANT CONTROL BMPS

This is the cover sheet for Attachment 1.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 1a	DMA Exhibit (Required) See DMA Exhibit Checklist on the back of this Attachment cover sheet.	☒ Included
Attachment 1b	Tabular Summary of DMAs Showing DMA ID matching DMA Exhibit, DMA Area, and DMA Type (Required)* *Provide table in this Attachment OR on DMA Exhibit in Attachment 1a	☒ Included on DMA Exhibit in Attachment 1a ☐ Included as Attachment 1b, separate from DMA Exhibit
Attachment 1c	Form I-7, Harvest and Use Feasibility Screening Checklist (Required unless the entire project will use infiltration BMPs) Refer to Appendix B.3-1 of the BMP Design Manual to complete Form I-7.	☐ Included ☒ Not included because the entire project will use infiltration BMPs
Attachment 1d	Form I-8, Categorization of Infiltration Feasibility Condition (Required unless the project will use harvest and use BMPs) Refer to Appendices C and D of the BMP Design Manual to complete Form I-8.	☒ Included ☐ Not included because the entire project will use harvest and use BMPs
Attachment 1e	Pollutant Control BMP Design Worksheets / Calculations (Required) Refer to Appendices B and E of the BMP Design Manual for structural pollutant control BMP design guidelines	☒ Included

ATTACHMENT 1A

Use this checklist to ensure the required information has been included on the DMA Exhibit:

The DMA Exhibit must identify:

☒ Underlying hydrologic soil group

☒ Approximate depth to groundwater

☒ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)

☐ Critical coarse sediment yield areas to be protected **(N/A)**

☒ Existing topography and impervious areas

☒ Existing and proposed site drainage network and connections to drainage offsite

☒ Proposed demolition

☒ Proposed grading

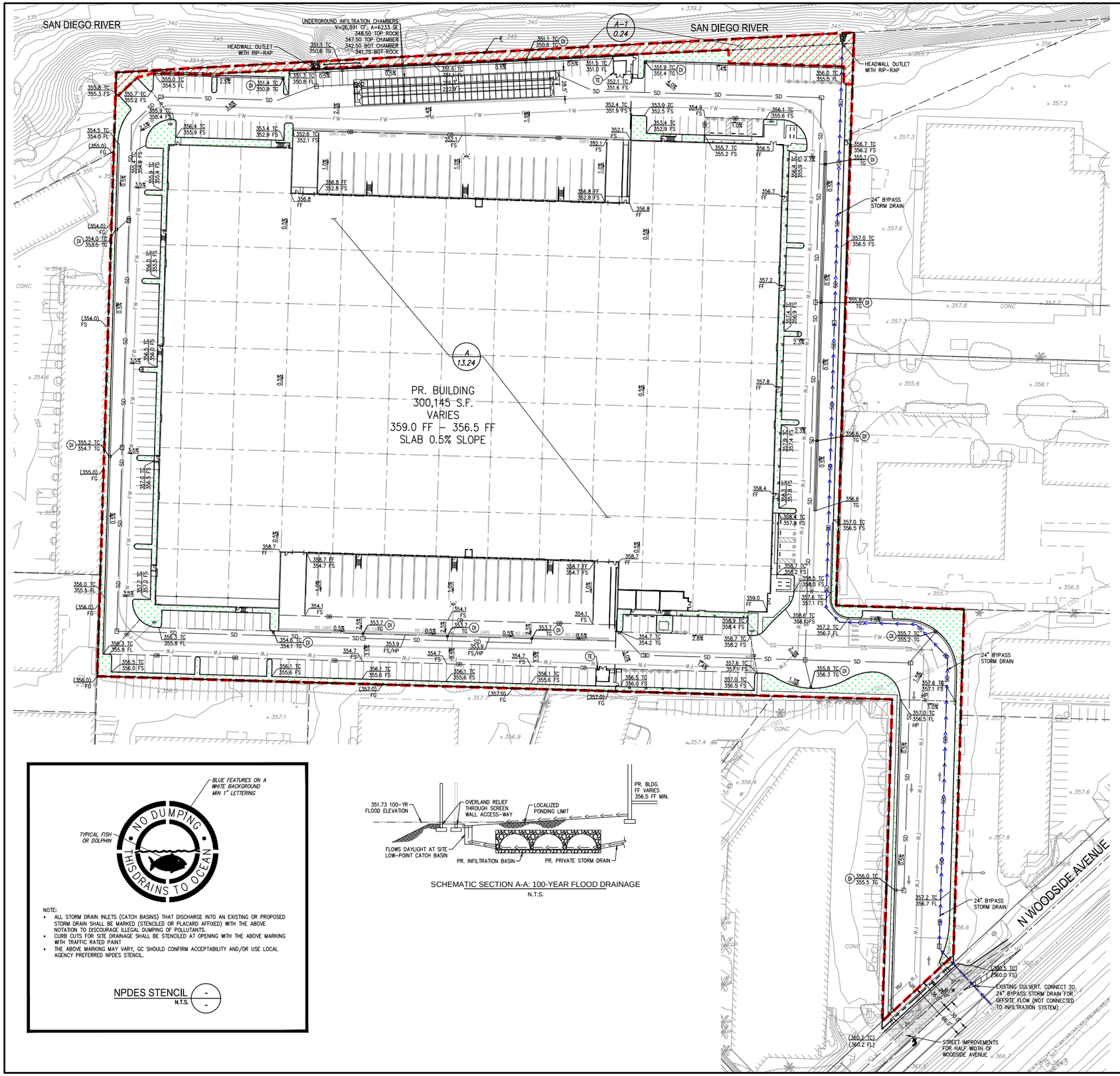
☒ Proposed impervious features

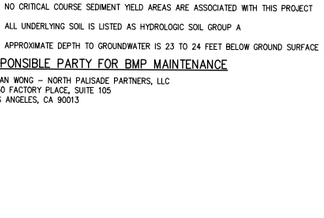
☒ Proposed design features and surface treatments used to minimize imperviousness

☒ Drainage management area (DMA) boundaries, DMA ID numbers, and DMA areas (square footage or acreage), and DMA type (i.e., drains to BMP, self-retaining, or self-mitigating)

☒ Potential pollutant source areas and corresponding required source controls (see Chapter 4, Appendix E.1, and Form I-3B)

☒ Structural BMPs (identify location, type of BMP, and size/detail)





VICINITY MAP
NTS

LEGEND

A 13.24	DRAINAGE MANAGEMENT AREA ID AREA IN ACRES
	LANDSCAPE/PERVIOUS AREA
SD	PROPOSED ON-SITE STORM DRAIN
	PROPOSED UNDERGROUND INFILTRATION CHAMBER (INF-1) 26,891 INSTALLED SYSTEM VOLUME
	DRAINAGE MANAGEMENT AREA DRAINING TO INF-1 DMA A (576,610 SF, 13.24 ACRES)
	SELF MITIGATING DRAINAGE MANAGEMENT AREA DMA A-1 (10,432 SF, 0.24 ACRES)
TE	COVERED TRASH ENCLOSURE AREA. SEE FACT SHEET BL-5.
DI	PROPOSED DRAIN INLET WITH OLDCASTLE FLOGARD GRATE INLET BASKET (GIB). MARK ALL INLETS WITH THE WORDS "NO DUMPING! FLOWS TO BAY" OR SIMILAR.
	PROPOSED BYPASS STORM DRAIN FOR OFFSITE FLOW

ID	PERVIOUS AREA (SF)	IMPERVIOUS AREA (SF)	TOTAL AREA (SF)	TYPE
A	28,523	548,087	576,610	AREA DRAINING TO BMP (INF-1)
A-1	10,432	0	10,432	SELF-MITIGATING AREA
TOTAL SITE	38,955	548,087	587,042	

NOTE

- NO CRITICAL COURSE SEDIMENT YIELD AREAS ARE ASSOCIATED WITH THIS PROJECT
- ALL UNDERLYING SOIL IS LISTED AS HYDROLOGIC SOIL GROUP A
- APPROXIMATE DEPTH TO GROUNDWATER IS 23 TO 24 FEET BELOW GROUND SURFACE

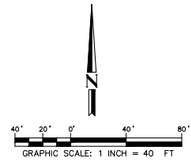
RESPONSIBLE PARTY FOR BMP MAINTENANCE

BRIAN WONG – NORTH PALISADE PARTNERS, LLC
1330 FACTORY PLACE, SUITE 105
LOS ANGELES, CA 90013

NOTE:
- ALL STORM DRAIN INLETS (CATCH BASINS) THAT DISCHARGE INTO AN EXISTING OR PROPOSED STORM DRAIN SHALL BE MARKED (STENCILED OR PLACARD AFFIXED) WITH THE ABOVE NOTATION TO DISCOURAGE ILLEGAL DUMPING OF POLLUTANTS.
- CURB CUTS FOR SITE DRAINAGE SHALL BE STENCILED AT OPENING WITH THE ABOVE MARKING WITH TRAFFIC RATED PAINT
- THE ABOVE MARKING MAY VARY, GC SHOULD CONFIRM ACCEPTABILITY AND/OR USE LOCAL AGENCY PREFERRED NPDES STENCIL.

NPDES STENCIL
N.T.S.

SCHEMATIC SECTION A-A: 100-YEAR FLOOD DRAINAGE
N.T.S.



GRAPHIC SCALE: 1 INCH = 40 FT

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860
DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

NOT FOR CONSTRUCTION

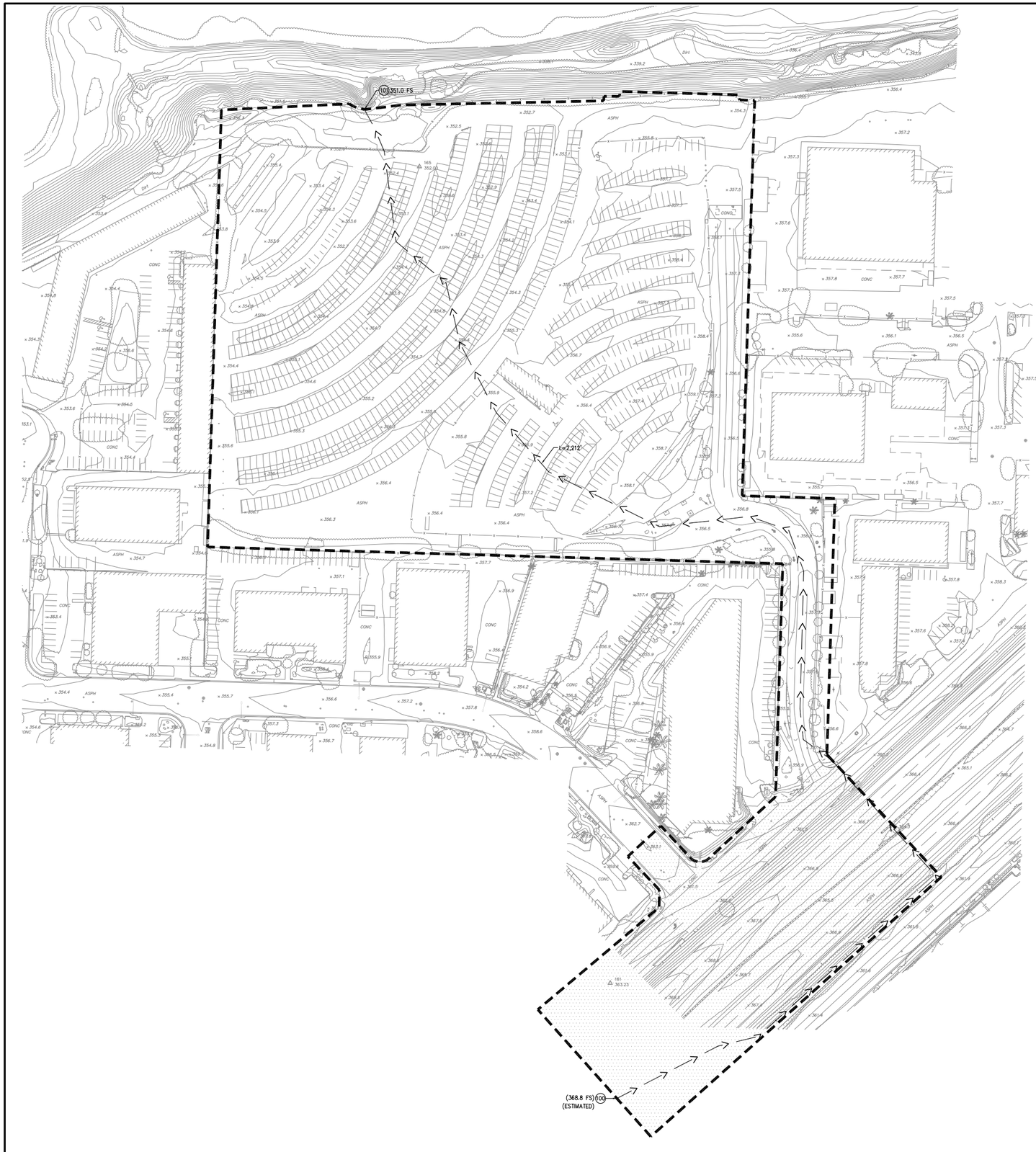
NO: REVISION: DATE:

PROJECT: NPP SANTEE
WOODSIDE AVE
SANTEE, CA

DRAWING NAME: DMA EXHIBIT

ISSUE:	CONCEPT
DATE:	11/03/22
CHECKED: MH	DRAWN: MH
DRAWING FILE: 8732pg101	
PROJECT NO.: 22-834	
SHEET NUMBER:	1
OF 1	SHEETS
SCALE: AS SHOWN	

FILENAME: M:\2022\22-834 NPP Woodside Ave Santee\DMA\PLCAD\22-834 DMA Exhibit.dwg, LAST SAVED ON: Jan 10 2024 11:15am PLOTTED BY: NICHOLAS, ON: Jan 10 2024 11:22am, DTG:



LEGEND

- TRIBUTARY BOUNDARY
- SURFACE FLOW LINE
- FLOWLINE UNDERGROUND
- (1) NODE NUMBER
- L=XXX' FLOW DISTANCE
- AREA CONTRIBUTING TO FLOW FROM OFFSITE

N

60' 0' 60' 120' 180'

GRAPHIC SCALE: 1"=60'

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

NOT FOR CONSTRUCTION

NO.	REVISION:	DATE:

PROJECT: **NPP SANTEE**
WOODSIDE AVE
SANTEE, CA

DRAWING NAME: **EXISTING HYDROLOGY MAP**

ISSUE:	HYDROLOGY
DATE:	03/27/23
CHECKED: MH	DRAWN: KH
DRAWING FILE:	
PROJECT NO.:	22-534
SHEET NUMBER:	1
OF 1	SHEETS
SCALE:	AS SHOWN

FILENAME: M:\2022\22-534 NPP Woodside Ave Santee\HYDRO\ATTACHMENT D\22-534 Existing Hydrology Map.dwg, LAST SAVED: ON: Jul 13 2023 6:24pm PLOTTED BY: KENNY, ON: Jul 14 2023 11:00am CDT

ATTACHMENT 1D

Categorization of Infiltration Feasibility Condition	Form I-8

Part 1 - Full Infiltration Feasibility Screening Criteria

Would infiltration of the full design volume be feasible from a physical perspective without any undesirable consequences that cannot be reasonably mitigated?

Criteria	Screening Question	Yes	No
1	**Is the estimated reliable infiltration rate below proposed facility locations greater than 0.5 inches per hour?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2 and Appendix D.	X	

Provide basis:

Infiltration tests were performed in accordance with the County of San Diego BMP Design Manual Appendix D - Geotechnical Engineer Analysis dated September 15, 2020 with field infiltration rates calculated using the Porchet Method (aka Inverse Borehole Method). The infiltration holes were carefully filled with clean water and refilled after two initial readings.

Two borings were done on the north and south of the site at 5' and 10' respectively. Infiltration rates were recorded at 21.4 in/hr and 18.8 in/hr with no factor of safety applied. A factor of safety of 3.00 was calculated to be applied to the lowest reading of 18.8 in/hr, yielding a design infiltration rate of 6.27.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

2	**Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of geotechnical hazards (slope stability, groundwater mounding, utilities, or other factors) that cannot be mitigated to an acceptable level?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2.	X	

Provide basis:

It is recommended that foundations shall be setback a minimum distance of 10 feet from the drainage disposal system and the bottom of footing shall be a minimum of 10 feet from the expected zone of saturation. The boundary of the zone of saturation may be assumed to project downwared from the top of the permeable portion of the disposal system at an inclination of 1 to 1 or flatter, as determined by the geotechnical engineer. The analysis for liquefaction indicates the potential for liquefaction at this site is low based upon a historic groundwater depth and peak ground acceleration of 0.417.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

Form I-8 Page 2 of 4			
Criteria	Screening Question	**Yes**	**No**
3	**Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of groundwater contamination (shallow water table, storm water pollutants or other factors) that cannot be mitigated to an acceptable level?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	X	
Provide basis: Groundwater was encountered at a depth of 23 and 24 feet below the ground surface. A nearby groundwater monitoring well located approximately 1.5 miles to the northeast from the subject site noted a groundwater depth ranging between 18 and 22 feet below the ground surface which is deeper than the minimum requirement of 10' below the base of an infiltration system per City of Santee BMP Design Manual. Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			
4	**Can infiltration greater than 0.5 inches per hour be allowed without causing potential water balance issues such as change of seasonality of ephemeral streams or increased discharge of contaminated groundwater to surface waters?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	X	
Provide basis: Groundwater was encountered at a depth of 23 and 24 feet below the ground surface. A nearby groundwater monitoring well located approximately 1.5 miles to the northeast from the subject site noted a groundwater depth ranging between 18 and 22 feet below the ground surface which is deeper than the minimum requirement of 10' below the base of an infiltration system per City of Santee BMP Design Manual. No ephemeral streams located on-site. Amount of infiltration is negligible to impact flow within the San Diego River. Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			
Part 1 Result *	If all answers to rows 1 - 4 are "**Yes**" a full infiltration design is potentially feasible. The feasibility screening category is **Full Infiltration** If any answer from row 1-4 is "**No**", infiltration may be possible to some extent but would not generally be feasible or desirable to achieve a "full infiltration" design. Proceed to Part 2	Full Infiltration	

*To be completed using gathered site information and best professional judgment considering the definition of MEP in the MS4 Permit. Additional testing and/or studies may be required by Agency/Jurisdictions to substantiate findings

Form I-8 Page 3 of 4

Part 2 – Partial Infiltration vs. No Infiltration Feasibility Screening Criteria

Would infiltration of water in any appreciable amount be physically feasible without any negative consequences that cannot be reasonably mitigated?

Criteria	Screening Question	Yes	No
5	**Do soil and geologic conditions allow for infiltration in any appreciable rate or volume?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2 and Appendix D.		

Provide basis:

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.

6	**Can Infiltration in any appreciable quantity be allowed without increasing risk of geotechnical hazards (slope stability, groundwater mounding, utilities, or other factors) that cannot be mitigated to an acceptable level**? The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2.		

Provide basis:

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.

Form I-8 Page 4 of 4			
Criteria	Screening Question	**Yes**	**No**
7	**Can Infiltration in any appreciable quantity be allowed without posing significant risk for groundwater related concerns (shallow water table, storm water pollutants or other factors)?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.		
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.			
8	**Can infiltration be allowed without violating downstream water rights**? The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.		
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.			
Part 2 Result*	If all answers from row 1-4 are yes then partial infiltration design is potentially feasible. The feasibility screening category is **Partial Infiltration.** If any answer from row 5-8 is no, then infiltration of any volume is considered to be **infeasible** within the drainage area. The feasibility screening category is **No Infiltration.**		

*To be completed using gathered site information and best professional judgment considering the definition of MEP in the MS4 Permit. Additional testing and/or studies may be required by Agency/Jurisdictions to substantiate findings

ATTACHMENT 1E

E.8 INF-1 Infiltration Basin

MS4 Permit Category
Retention

Manual Category
Infiltration

Applicable Performance Standard
Pollutant Control
Flow Control

Primary Benefits
Volume Reduction
Peak Flow Attenuation

Photo Credit: http://www.stormwaterpartners.com/facilities/basin.html

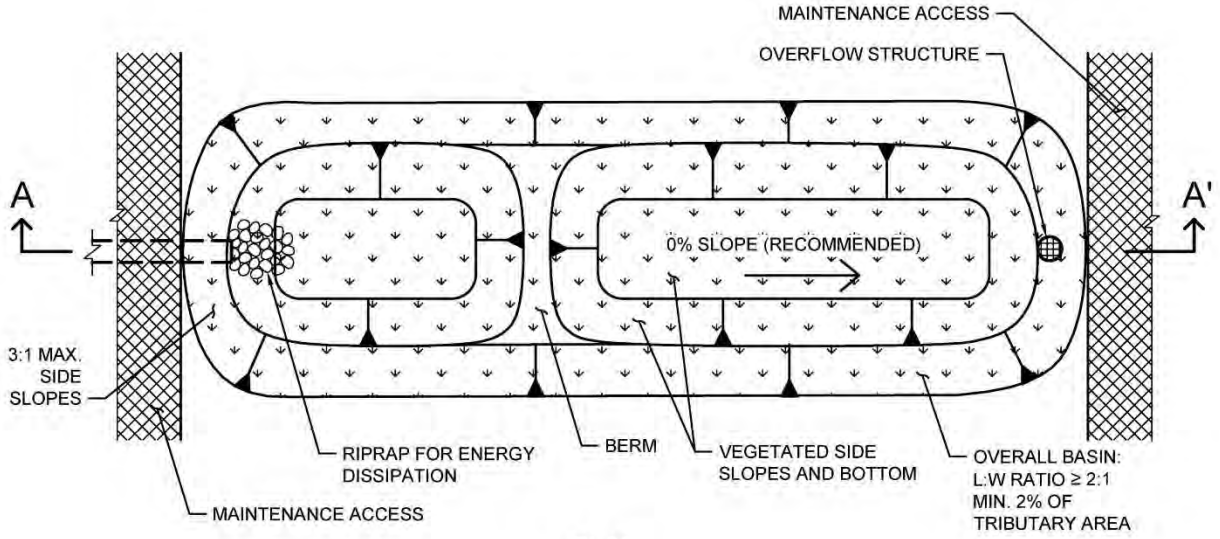
Description

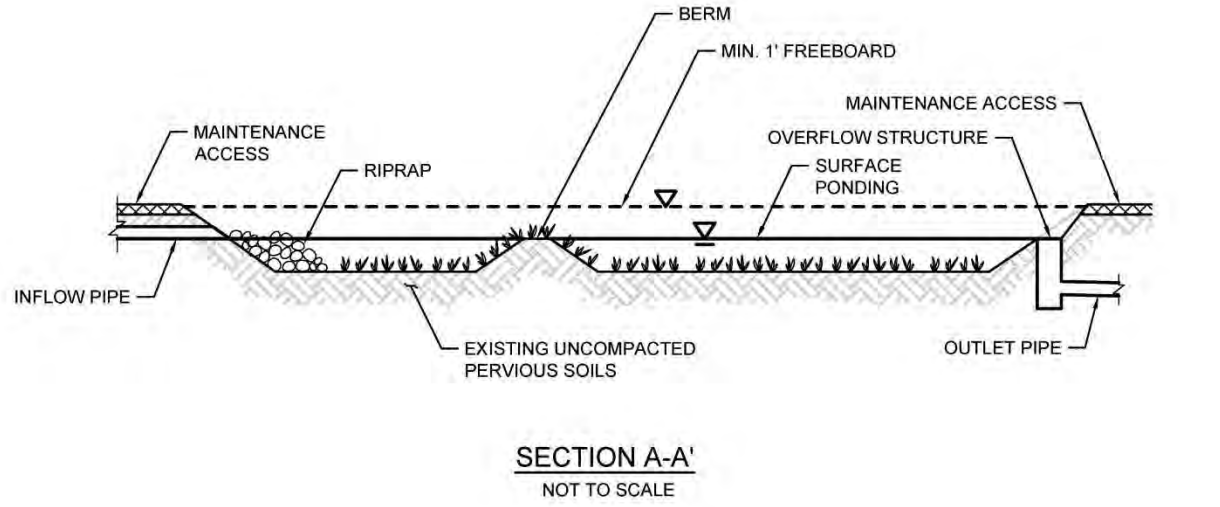
An infiltration basin typically consists of an earthen basin with a flat bottom constructed in naturally pervious soils. An infiltration basin retains storm water and allows it to evaporate and/or percolate into the underlying soils. The bottom of an infiltration basin is typically vegetated with native grasses or turf grass; however other types of vegetation can be used if they can survive periodic inundation and long inter-event dry periods. Treatment is achieved primarily through infiltration, filtration, sedimentation, biochemical processes and plant uptake. Infiltration basins can be constructed as linear **trenches** or as **underground infiltration galleries**.

Typical infiltration basin components include:

- Inflow distribution mechanisms (e.g., perimeter flow spreader or filter strips)
- Energy dissipation mechanism for concentrated inflows (e.g., splash blocks or riprap)
- Forebay to provide pretreatment surface ponding for captured flows
- Vegetation selected based on basin use, climate, and ponding depth
-

- Uncompacted native soils at the bottom of the facility
- Overflow structure





Typical plan and section view of an Infiltration BMP

Design Adaptations for Project Goals

Full infiltration BMP for storm water pollutant control. Infiltration basins can be used as a pollutant control BMP, designed to infiltrate runoff from direct rainfall as well as runoff from adjacent areas that are tributary to the BMP. Infiltration basins must be designed with an infiltration storage volume (a function of the surface ponding volume) equal to the full DCV and able to meet drawdown time limitations.

Integrated storm water flow control and pollutant control configuration. Infiltration basins can also be designed for flow rate and duration control by providing additional infiltration storage through increasing the surface ponding volume.

Design Criteria and Considerations

Infiltration basins must meet the following design criteria. Deviations from the below criteria may be approved at the discretion of the City Engineer if it is determined to be appropriate:

	Siting and Design	***Intent/Rationale***
☐	Placement observes geotechnical recommendations regarding potential hazards (e.g., slope stability, landslides, liquefaction zones) and setbacks (e.g., slopes, foundations, utilities).	Must not negatively impact existing site geotechnical concerns.
☐	Selection and design of basin is based on infiltration feasibility criteria and appropriate design infiltration rate (See Appendix C and D).	Must operate as a full infiltration design and must be supported by drainage area and in-situ infiltration rate feasibility findings.
☐	Finish grade of the facility is ≤ 2% (0% recommended).	Flatter surfaces reduce erosion and channelization with the facility.
☐	Settling forebay has a volume ≥ 25% of facility volume below the forebay overflow.	A forebay to trap sediment can decrease frequency of required maintenance.
☐	Infiltration of surface ponding is limited to a 36-hour drawdown time.	Prolonged surface ponding reduce volume available to capture subsequent storms. The applicant has an option to use a different drawdown time up to 96 hours if the volume of the facility is adjusted using the percent capture method in Appendix B.4.2.
☐	Minimum freeboard provided is ≥1 foot.	Freeboard minimizes risk of uncontrolled surface discharge.

Siting and Design		*Intent/Rationale*
☐	Side slopes are = 3H:1V or shallower.	Gentler side slopes are safer, less prone to erosion, able to establish vegetation more quickly and easier to maintain.
Inflow and Overflow Structures		
☐	Inflow and outflow structures are accessible by required equipment (e.g., vactor truck) for inspection and maintenance.	Maintenance will prevent clogging and ensure proper operation of the flow control structures.
☐	Inflow velocities are limited to 3 ft/s or less or use energy dissipation methods (e.g., riprap, level spreader) for concentrated inflows.	High inflow velocities can cause erosion, scour and/or channeling.
☐	Overflow is safely conveyed to a downstream storm drain system or discharge point. Size overflow structure to pass 100-year peak flow for on-line basins and water quality peak flow for off-line basins.	Planning for overflow lessens the risk of property damage due to flooding.

Conceptual Design and Sizing Approach for Storm Water Pollutant Control

To design infiltration basins for storm water pollutant control only (no flow control required), the following steps should be taken:

1. Verify that siting and design criteria have been met, including placement and basin area requirements, forebay volume, and maximum slopes for basin sides and bottom.
2. Calculate the DCV per Appendix B based on expected site design runoff for tributary areas.
3. Use the sizing worksheet (Appendix B.4) to determine if full infiltration of the DCV is achievable based on the infiltration storage volume calculated from the surface ponding area and depth for a maximum 36-hour drawdown time. The drawdown time can be estimated by dividing the average depth of the basin by the design infiltration rate. Appendix D provides guidance on evaluating a site's infiltration rate.

Conceptual Design and Sizing Approach for Storm Water Pollutant Treatment and Flow Control

Control of flow rates and/or durations will typically require significant surface ponding volume, and therefore the following steps should be taken prior to determination of storm water pollutant control design. Pre-development and allowable post-project flow rates and durations should be determined as discussed in Chapter 6 of the manual.

1. Verify that siting and design criteria have been met, including placement and basin area requirements, forebay volume, and maximum slopes for basin sides and bottom.
2. Iteratively determine the surface ponding required to provide infiltration storage to reduce flow rates and durations to allowable limits while adhering to the maximum 36-hour drawdown time. Flow rates and durations can be controlled using flow splitters that route the appropriate inflow amounts to the infiltration basin and bypass excess flows to the downstream storm drain system or discharge point.
3. If an infiltration basin cannot fully provide the flow rate and duration control required by this manual, an upstream or downstream structure with appropriate storage volume such as an underground vault can be used to provide additional control.
4. After the infiltration basin has been designed to meet flow control requirements, calculations must be completed to verify if storm water pollutant control requirements to treat the DCV have been met.

Automated Worksheet B.1: Calculation of Design Capture Volume (V2.0)

Category	#	Description	*i*	*ii*	*iii*	*iv*	*v*	*vi*	*vii*	*viii*	*ix*	*x*	Units
Standard Drainage Basin Inputs	1	Drainage Basin ID or Name	A										unitless
	2	85th Percentile 24-hr Storm Depth	0.50										inches
	3	Impervious Surfaces Not Directed to Dispersion Area (C=0.90)	576,610										sq-ft
	4	Semi-Pervious Surfaces Not Serving as Dispersion Area (C=0.30)											sq-ft
	5	Engineered Pervious Surfaces Not Serving as Dispersion Area (C=0.10)	28,523										sq-ft
	6	Natural Type A Soil Not Serving as Dispersion Area (C=0.10)											sq-ft
	7	Natural Type B Soil Not Serving as Dispersion Area (C=0.14)											sq-ft
	8	Natural Type C Soil Not Serving as Dispersion Area (C=0.23)											sq-ft
	9	Natural Type D Soil Not Serving as Dispersion Area (C=0.30)											sq-ft
Dispersion Area, Tree Well & Rain Barrel Inputs (Optional)	10	Does Tributary Incorporate Dispersion, Tree Wells, and/or Rain Barrels?	No	No	No	No	No	No	No	No	No	No	yes/no
	11	Impervious Surfaces **Directed to Dispersion Area** per SD-B (Ci=0.90)											sq-ft
	12	Semi-Pervious Surfaces **Serving as Dispersion Area** per SD-B (Ci=0.30)											sq-ft
	13	Engineered Pervious Surfaces **Serving as Dispersion Area** per SD-B (Ci=0.10)											sq-ft
	14	Natural Type A Soil **Serving as Dispersion Area** per SD-B (Ci=0.10)											sq-ft
	15	Natural Type B Soil **Serving as Dispersion Area** per SD-B (Ci=0.14)											sq-ft
	16	Natural Type C Soil **Serving as Dispersion Area** per SD-B (Ci=0.23)											sq-ft
	17	Natural Type D Soil **Serving as Dispersion Area** per SD-B (Ci=0.30)											sq-ft
	18	Number of Tree Wells Proposed per SD-A											#
	19	Average Mature Tree Canopy Diameter											ft
	20	Number of Rain Barrels Proposed per SD-E											#
	21	Average Rain Barrel Size											gal
Initial Runoff Factor Calculation	22	Total Tributary Area	605,133	0	0	0	0	0	0	0	0	0	sq-ft
	23	Initial Runoff Factor for Standard Drainage Areas	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	24	Initial Runoff Factor for Dispersed & Dispersion Areas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	25	Initial Weighted Runoff Factor	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	26	Initial Design Capture Volume	21,684	0	0	0	0	0	0	0	0	0	cubic-feet
Dispersion Area Adjustments	27	Total Impervious Area Dispersed to Pervious Surface	0	0	0	0	0	0	0	0	0	0	sq-ft
	28	Total Pervious Dispersion Area	0	0	0	0	0	0	0	0	0	0	sq-ft
	29	Ratio of Dispersed Impervious Area to Pervious Dispersion Area	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ratio
	30	Adjustment Factor for Dispersed & Dispersion Areas	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	ratio
	31	Runoff Factor After Dispersion Techniques	0.86	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	unitless
	32	Design Capture Volume After Dispersion Techniques	21,684	0	0	0	0	0	0	0	0	0	cubic-feet
Tree & Barrel Adjustments	33	Total Tree Well Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
	34	Total Rain Barrel Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
Results	35	Final Adjusted Runoff Factor	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	36	Final Effective Tributary Area	520,414	0	0	0	0	0	0	0	0	0	sq-ft
	37	Initial Design Capture Volume Retained by Site Design Elements	0	0	0	0	0	0	0	0	0	0	cubic-feet
	38	Final Design Capture Volume Tributary to BMP	21,684	0	0	0	0	0	0	0	0	0	cubic-feet

No Warning Messages

Automated Worksheet B.2: Retention Requirements (V2.0)

Category	#	Description	*i*	*ii*	*iii*	*iv*	*v*	*vi*	*vii*	*viii*	*ix*	*x*	Units
Basic Analysis	1	Drainage Basin ID or Name	A	-	-	-	-	-	-	-	-	-	unitless
	2	85th Percentile Rainfall Depth	0.50	-	-	-	-	-	-	-	-	-	inches
	3	Predominant NRCS Soil Type Within BMP Location	A										unitless
	4	Is proposed BMP location Restricted or Unrestricted for Infiltration Activities?	Unrestricted										unitless
	5	Nature of Restriction	n/a										unitless
	6	Do Minimum Retention Requirements Apply to this Project?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	yes/no
	7	Are Habitable Structures Greater than 9 Stories Proposed?	No										yes/no
Advanced Analysis	8	Has Geotechnical Engineer Performed an Infiltration Analysis?	Yes										yes/no
	9	Design Infiltration Rate Recommended by Geotechnical Engineer	6.270										in/hr
Result	10	Design Infiltration Rate Used To Determine Retention Requirements	6.270	-	-	-	-	-	-	-	-	-	in/hr
	11	Percent of Average Annual Runoff that Must be Retained within DMA	80.0%	-	-	-	-	-	-	-	-	-	percentage
	12	Fraction of DCV Requiring Retention	0.99	-	-	-	-	-	-	-	-	-	ratio
	13	Required Retention Volume	21467	-	-	-	-	-	-	-	-	-	cubic-feet

No Warning Messages

Automated Worksheet B.3: BMP Performance (V2.0)

Category	#	Description	*i*	*ii*	*iii*	*iv*	*v*	*vi*	*vii*	*viii*	*ix*	*x*	Units
BMP Inputs	1	Drainage Basin ID or Name	A	-	-	-	-	-	-	-	-	-	sq-ft
	2	Design Infiltration Rate Recommended	6.270	-	-	-	-	-	-	-	-	-	in/hr
	3	Design Capture Volume Tributary to BMP	21,684	-	-	-	-	-	-	-	-	-	cubic-feet
	4	Is BMP Vegetated or Unvegetated?	Unvegetated										unitless
	5	Is BMP Impermeably Lined or Unlined?	Unlined										unitless
	6	Does BMP Have an Underdrain?	No Underdrain										unitless
	7	Does BMP Utilize Standard or Specialized Media?	Standard										unitless
	8	Provided Surface Area	6,233										sq-ft
	9	Provided Surface Ponding Depth	60										inches
	10	Provided Soil Media Thickness	0										inches
	11	Provided Gravel Thickness (Total Thickness)	21										inches
	12	Underdrain Offset											inches
	13	Diameter of Underdrain or Hydromod Orifice (Select Smallest)											inches
	14	Specialized Soil Media Filtration Rate											in/hr
	15	Specialized Soil Media Pore Space for Retention											unitless
	16	Specialized Soil Media Pore Space for Biofiltration											unitless
	17	Specialized Gravel Media Pore Space											unitless
Retention Calculations	18	Volume Infiltrated Over 6 Hour Storm	19,540	0	0	0	0	0	0	0	0	0	cubic-feet
	19	Ponding Pore Space Available for Retention	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	unitless
	20	Soil Media Pore Space Available for Retention	0.40	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	unitless
	21	Gravel Pore Space Available for Retention (Above Underdrain)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	22	Gravel Pore Space Available for Retention (Below Underdrain)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	23	Effective Retention Depth	68.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	24	Fraction of DCV Retained (Independent of Drawdown Time)	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
	25	Calculated Retention Storage Drawdown Time	11	0	0	0	0	0	0	0	0	0	hours
	26	Efficacy of Retention Processes	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
	27	Volume Retained by BMP (Considering Drawdown Time)	21,684	0	0	0	0	0	0	0	0	0	cubic-feet
	28	Design Capture Volume Remaining for Biofiltration	0	0	0	0	0	0	0	0	0	0	cubic-feet
Biofiltration Calculations	29	Max Hydromod Flow Rate through Underdrain	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	cfs
	30	Max Soil Filtration Rate Allowed by Underdrain Orifice	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	in/hr
	31	Soil Media Filtration Rate per Specifications	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	in/hr
	32	Soil Media Filtration Rate to be used for Sizing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	in/hr
	33	Depth Biofiltered Over 6 Hour Storm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	34	Ponding Pore Space Available for Biofiltration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	35	Soil Media Pore Space Available for Biofiltration	0.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	unitless
	36	Gravel Pore Space Available for Biofiltration (Above Underdrain)	0.00	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	37	Effective Depth of Biofiltration Storage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	38	Drawdown Time for Surface Ponding	10	0	0	0	0	0	0	0	0	0	hours
	39	Drawdown Time for Effective Biofiltration Depth	0	0	0	0	0	0	0	0	0	0	hours
	40	Total Depth Biofiltered	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	41	Option 1 - Biofilter 1.50 DCV: Target Volume	0	0	0	0	0	0	0	0	0	0	cubic-feet
	42	Option 1 - Provided Biofiltration Volume	0	0	0	0	0	0	0	0	0	0	cubic-feet
	43	Option 2 - Store 0.75 DCV: Target Volume	0	0	0	0	0	0	0	0	0	0	cubic-feet
	44	Option 2 - Provided Storage Volume	0	0	0	0	0	0	0	0	0	0	cubic-feet
	45	Portion of Biofiltration Performance Standard Satisfied	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
Result	46	Do Site Design Elements and BMPs Satisfy Annual Retention Requirements?	Yes	-	-	-	-	-	-	-	-	-	yes/no
	47	Overall Portion of Performance Standard Satisfied (BMP Efficacy Factor)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
	48	**Deficit of Effectively Treated Stormwater**	0	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	cubic-feet

Attention!

- BMPs sized at <3% of the effective tributary areas must be accompanied by Reduced Size BMP Maintenance calculations (see last tab).

Automated Worksheet B.4: Reduced Size BMP Maintenance Interval (V2.0)

Category	#	Description	*i*	*ii*	*iii*	*iv*	*v*	*vi*	*vii*	*viii*	*ix*	*x*	Units
Drainage Basin Info	1	Drainage Basin ID or Name	A	-	-	-	-	-	-	-	-	-	unitless
	2	Final Effective Tributary Area	520,414	-	-	-	-	-	-	-	-	-	sq-ft
	3	Provided BMP Surface Area	6,233	-	-	-	-	-	-	-	-	-	sq-ft
Biofiltration Clogging Inputs	4	Average Annual Precipitation											inches
	5	Load to Clog (default =2.0)											lb/sq-ft
	6	TSS Pretreatment Efficacy											yes/no
	7	Percentage "Commercial"											percentage
	8	Percentage "Education"											percentage
	9	Percentage "Industrial"											percentage
	10	Percentage "Low Traffic Areas"											percentage
	11	Percentage "Multi-Family Residential"											percentage
	12	Percentage "Roof Areas"											percentage
	13	Percentage "Single Family Residential"											percentage
	14	Percentage "Transportation"											percentage
	15	Percentage "Vacant/Open Space"											percentage
	16	Percentage "Steep Hillslopes"											percentage
Result	17	Total Percentage of Above Land Uses	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	percentage
	18	Average TSS Concentration for Tributary After Pretreatment	0	0	0	0	0	0	0	0	0	0	mg/L
	19	Average Annual Runoff Volume	0	0	0	0	0	0	0	0	0	0	cubic-feet
	20	Average Annual TSS Load	0	0	0	0	0	0	0	0	0	0	lb/yr
	21	Available Sediment Storage within BMP	0	0	0	0	0	0	0	0	0	0	lb
	22	Anticipated Major Maintenance Frequency	-	-	-	-	-	-	-	-	-	-	years

No Warning Messages

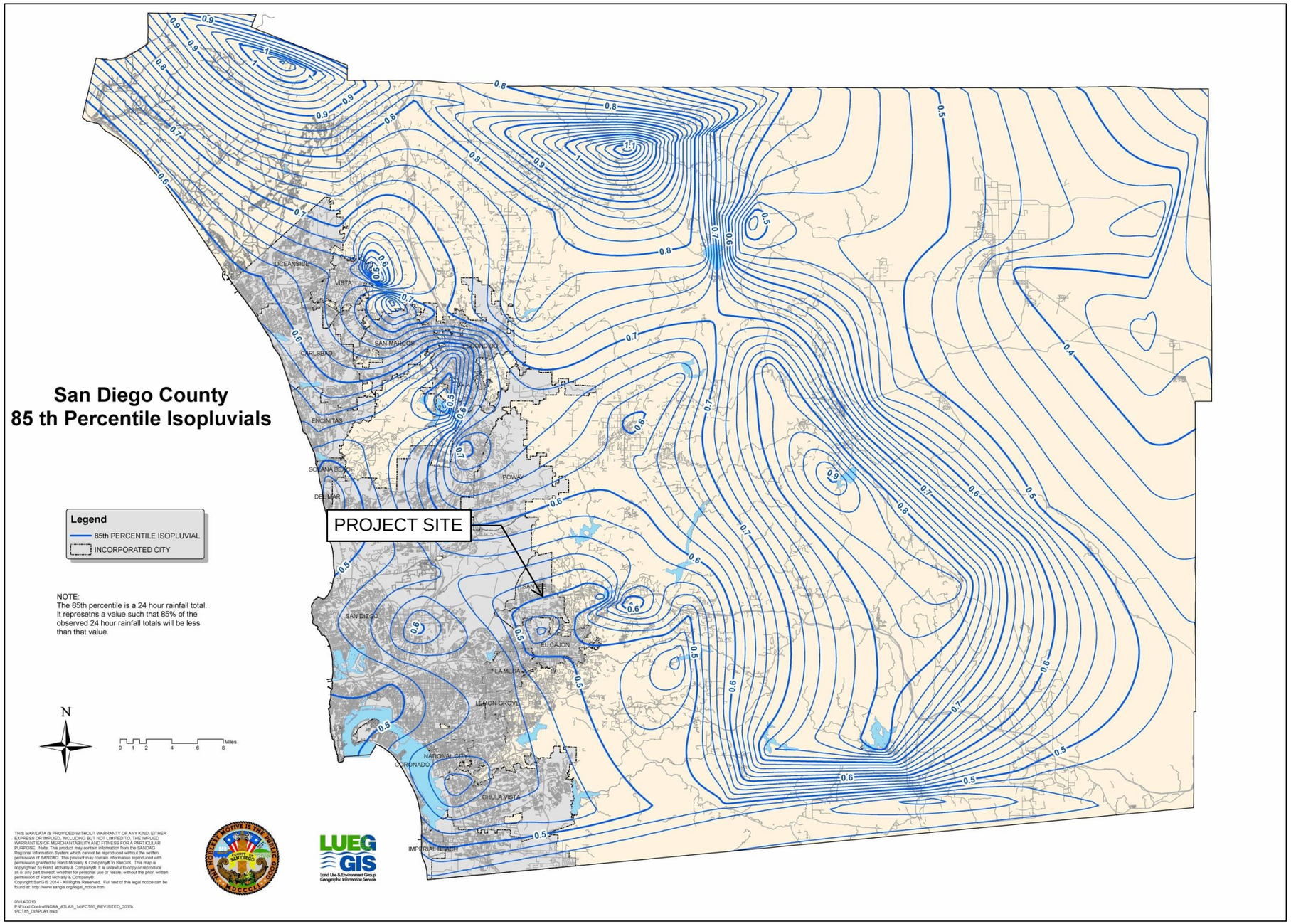


Figure B.1-1: 85th Percentile 24-hour Isopluvial Map

Factor of Safety and Design Infiltration Rate Worksheet			Worksheet D.5-1: Form I-9		
Factor Category		Factor Description	Assigned Weight (w)	Factor Value (v)	Product (p) p = w x v
A	Suitability Assessment	Soil assessment methods	0.25	3	0.75
		Predominant soil texture	0.25	1	0.25
		Site soil variability	0.25	1	0.25
		Depth to groundwater / impervious layer	0.25	1	0.25
		Suitability Assessment Safety Factor, $S_A = \Sigma p$			1.50
B	Design	Level of pretreatment/ expected sediment loads	0.5	2	1.00
		Redundancy/resiliency	0.25	2	0.50
		Compaction during construction	0.25	2	0.50
		Design Safety Factor, $S_B = \Sigma p$			2.00
Combined Safety Factor, $S_{total} = S_A \times S_B$ [Minimum of 2 and Maximum of 9]					3.00
Observed Infiltration Rate, inch/hr., $K_{observed}$ (corrected for test-specific bias) Note: This worksheet is only applicable when the observed infiltration rate is greater than or equal to 1 inch/hr.					18.8
Design Infiltration Rate, in/hr., $K_{design} = K_{observed} / S_{total}$ Note: If the estimated design infiltration rate is less than or equal to 0.5 inch/hr. then the applicant may choose to implement partial infiltration BMPs.					6.27

Supporting Data

Briefly describe infiltration test and provide reference to test forms:

Infiltration Tests were performed in accordance with the County of San Diego BMP Design Manual Appendix D - Geotechnical Engineer Analysis dated September 15, 2020 with field infiltration rates calculated using the Porchet Method (aka Inverse Borehole Method). A truck mounted Simco 2800 Drill Rig equipped with a hollow stem auger was used to excavate the exploratory borings to depths of 5' and 10' below existing ground suface. The borings consisted of six-inch diameter test holes. A three-inch diameter perforated PVC casing with solid end cap was installed in the borings and then surrounded with gravel materials to prevent caving. Percolation data can be found in Attachment 1.E.

Note: Worksheet D.5-1: Form I-9 is only applicable to design BMPs in "full infiltration condition". This form is not applicable for categorization of infiltration feasibility (Worksheet C.4-1: Form I-8) and/or for designing BMPs in "partial infiltration condition" or "no infiltration condition".

NOT APPLICABLE

ATTACHMENT 2
BACKUP FOR PDP HYDROMODIFICATION CONTROL MEASURES

This is the cover sheet for Attachment 2.

☐ Mark this box if this attachment is empty because the project is exempt from PDP hydromodification management requirements.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 2a	Hydromodification Management Exhibit (Required)	☐ Included See Hydromodification Management Exhibit Checklist on the back of this Attachment cover sheet.
Attachment 2b	Management of Critical Coarse Sediment Yield Areas (WMAA Exhibit is required, additional analyses are optional) See Section 6.2 of the BMP Design Manual.	☐ Exhibit showing project drainage boundaries marked on WMAA Critical Coarse Sediment Yield Area Map (Required) Optional analyses for Critical Coarse Sediment Yield Area Determination ☐ 6.2.1 Verification of Geomorphic Landscape Units Onsite ☐ 6.2.2 Downstream Systems Sensitivity to Coarse Sediment ☐ 6.2.3 Optional Additional Analysis of Potential Critical Coarse Sediment Yield Areas Onsite
Attachment 2c	Geomorphic Assessment of Receiving Channels (Optional) See Section 6.3.4 of the BMP Design Manual.	☐ Not performed ☐ Included ☐ Submitted as separate stand-alone document
Attachment 2d	Flow Control Facility Design, including Structural BMP Drawdown Calculations and Overflow Design Summary (Required) See Chapter 6 and Appendix G of the BMP Design Manual	☐ Included ☐ Submitted as separate stand-alone document
Attachment 2e	Vector Control Plan (Required when structural BMPs will not drain in 96 hours)	☐ Included ☐ Not required because BMPs will drain in less than 96 hours

Use this checklist to ensure the required information has been included on the Hydromodification Management Exhibit:

The Hydromodification Management Exhibit must identify:

- ☐ Underlying hydrologic soil group
- ☐ Approximate depth to groundwater
- ☐ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
- ☐ Critical coarse sediment yield areas to be protected
- ☐ Existing topography
- ☐ Existing and proposed site drainage network and connections to drainage offsite
- ☐ Proposed grading
- ☐ Proposed impervious features
- ☐ Proposed design features and surface treatments used to minimize imperviousness
- ☐ Point(s) of Compliance (POC) for Hydromodification Management
- ☐ Existing and proposed drainage boundary and drainage area to each POC (when necessary, create separate exhibits for pre-development and post-project conditions)
- ☐ Structural BMPs for hydromodification management (identify location, type of BMP, and size/detail)

San Diego River Watershed Management Area
HU 907.00, 436 mi2

Legend

- Watershed Boundaries
- Municipal Boundaries
- Regional WMAA Streams
- Exempt Bodies: Water Storage Reservoirs, Lakes, Enclosed Embayments, Pacific Ocean, Buena Vista Lagoon
- Exempt River Reaches: Reaches of San Luis Rey River, San Dieguito River, San Diego River, Forester Creek, Sweetwater River, Otay River
- Exempt Conveyance Systems: Existing underground storm drains or conveyance channels whose bed and bank are concrete-lined, discharging directly to exempt water bodies, exempt rivers, or localized areas of Agua Hedionda Lagoon and Batiquitos Lagoon

CARLSBAD
SAN MARCOS
ENCINITAS
S.D. COUNTY
POWAY
SAN DIEGO
SANTEE
EL CAJON
LA MESA
LEMON GROVE
CORONADO
S.D. COUNTY

Marcos Creek
Escondido Creek
San Dieguito River
Santa Ysabel Creek
Lusardi Creek
Rattlesnake Creek
Los Penasquitos Creek
Carroll Canyon Creek
Rose Creek
San Diego River
Forester Creek
San Diego River
Chollas Creek
Sweetwater River

PROJECT SITE

Key Map (Not to Scale)

Aerial Imagery Source: DigitalGlobe, 06/2012

0 3.75 7.5 15 Miles

NORTH

Receiving Waters and Conveyance Systems Exempt from Hydromodification Management Requirements

Exhibit Date: Sept. 8, 2014

Geosyntec consultants
RICK ENGINEERING COMPANY

ATTACHMENT 3
Structural BMP Maintenance Information

This is the cover sheet for Attachment 3.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 3a	Structural BMP Maintenance Thresholds and Actions (Required)	☐ Included See Structural BMP Maintenance Information Checklist on the back of this Attachment cover sheet.
Attachment 3b	Draft Maintenance Agreement (when applicable)	☐ Included ☐ Not Applicable

Use this checklist to ensure the required information has been included in the Structural BMP Maintenance Information Attachment:

☐ **Preliminary Design / Planning / CEQA level submittal:**

Attachment 3a must identify:

- ☐ Typical maintenance indicators and actions for proposed structural BMP(s) based on Section 7.7 of the BMP Design Manual

Attachment 3b is not required for preliminary design / planning / CEQA level submittal.

☐ **Final Design level submittal:**

Attachment 3a must identify:

- ☐ Specific maintenance indicators and actions for proposed structural BMP(s). This shall be based on Section 7.7 of the BMP Design Manual and enhanced to reflect actual proposed components of the structural BMP(s)
- ☐ How to access the structural BMP(s) to inspect and perform maintenance
- ☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
- ☐ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
- ☐ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
- ☐ Recommended equipment to perform maintenance
- ☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management

Attachment 3b: For private entity operation and maintenance, Attachment 3b shall include a draft maintenance agreement in the local jurisdiction's standard format (PDP applicant to contact the [City Engineer] to obtain the current maintenance agreement forms).

Isolator® Row
O&M Manual

ADS StormTech™

The Isolator® Row

Introduction

An important component of any Stormwater Pollution Prevention Plan is inspection and maintenance. The StormTech Isolator Row is a technique to inexpensively enhance Total Suspended Solids (TSS) and Total Phosphorus (TP) removal with easy access for inspection and maintenance.

The Isolator Row

The Isolator Row is a row of StormTech chambers, either SC-160, SC-310, SC-310-3, SC-740, DC-780, MC-3500 or MC-7200 models, that is surrounded with filter fabric and connected to a closely located manhole for easy access. The fabric-wrapped chambers provide for sediment settling and filtration as stormwater rises in the Isolator Row and passes through the filter fabric. The open bottom chambers and perforated sidewalls (SC-310, SC- 310-3 and SC-740 models) allow stormwater to flow both vertically and horizontally out of the chambers. Sediments are captured in the Isolator Row protecting the adjacent stone and chambers storage areas from sediment accumulation.

ADS geotextile fabric is placed between the stone and the Isolator Row chambers. The woven geotextile provides a media for stormwater filtration, a durable surface for maintenance, prevents scour of the underlying stone and remains intact during high pressure jetting. A non-woven fabric is placed over the chambers to provide a filter media for flows passing through the chamber's sidewall. The non-woven fabric is not required over the SC-160, DC-780, MC-3500 or MC-7200 models as these chambers do not have perforated side walls.

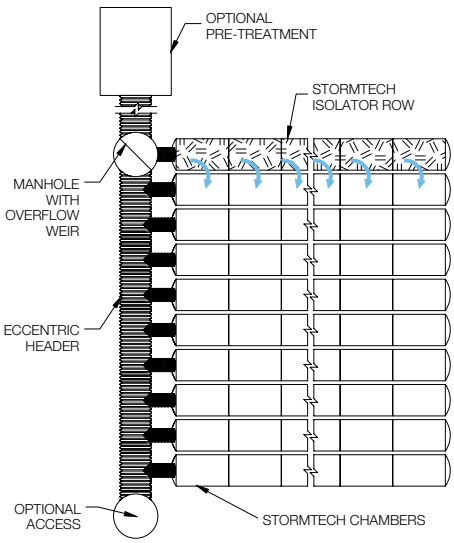
The Isolator Row is designed to capture the "first flush" runoff and offers the versatility to be sized on a volume basis or a flow-rate basis. An upstream manhole provides access to the Isolator Row and includes a high/low concept such that stormwater flow rates or volumes that exceed the capacity of the Isolator Row bypass through a manifold to the other chambers. This is achieved with an elevated bypass manifold or a high-flow weir. This creates a differential between the Isolator Row row of chambers and the manifold to the rest of the system, thus allowing for settlement time in the Isolator Row. After Stormwater flows through the Isolator Row and into the rest of the chamber system it is either exfiltrated into the soils below or passed at a controlled rate through an outlet manifold and outlet control structure.

The Isolator Row may be part of a treatment train system. The treatment train design and pretreatment device selection by the design engineer is often driven by regulatory requirements. Whether pretreatment is used or not, StormTech recommend using the Isolator Row to minimize maintenance requirements and maintenance costs.

Note: *See the StormTech Design Manual for detailed information on designing inlets for a StormTech system, including the Isolator Row.*

Looking down the Isolator Row from the manhole opening, woven geotextile Fabric is shown between the chamber and stone base.

StormTech Isolator Row with Overflow Spillway (*not to scale*)



Isolator Row Inspection/Maintenance

Inspection

The frequency of inspection and maintenance varies by location. A routine inspection schedule needs to be established for each individual location based upon site specific variables. The type of land use (i.e. industrial, commercial, residential), anticipated pollutant load, percent imperviousness, climate, etc. all play a critical role in determining the **actual frequency of inspection and maintenance practices.**

At a minimum, StormTech recommends annual inspections. Initially, the Isolator Row should be inspected every 6 months for the first year of operation. For subsequent years, the inspection should be adjusted based upon previous observation of sediment deposition.

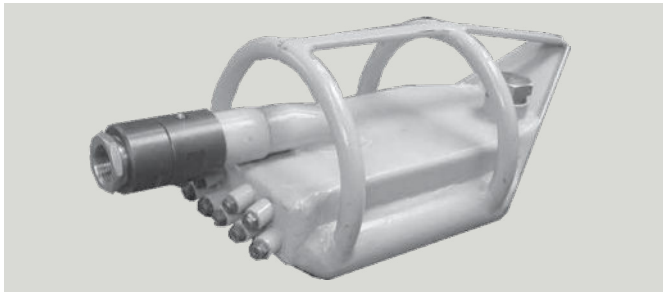
The Isolator Row incorporates a combination of standard manhole(s) and strategically located inspection ports (as needed). The inspection ports allow for easy access to the system from the surface, eliminating the need to perform a confined space entry for inspection purposes.

If upon visual inspection it is found that sediment has accumulated, a stadia rod should be inserted to determine the depth of sediment. When the average depth of sediment exceeds 3 inches throughout the length of the Isolator Row, clean-out should be performed.

Maintenance

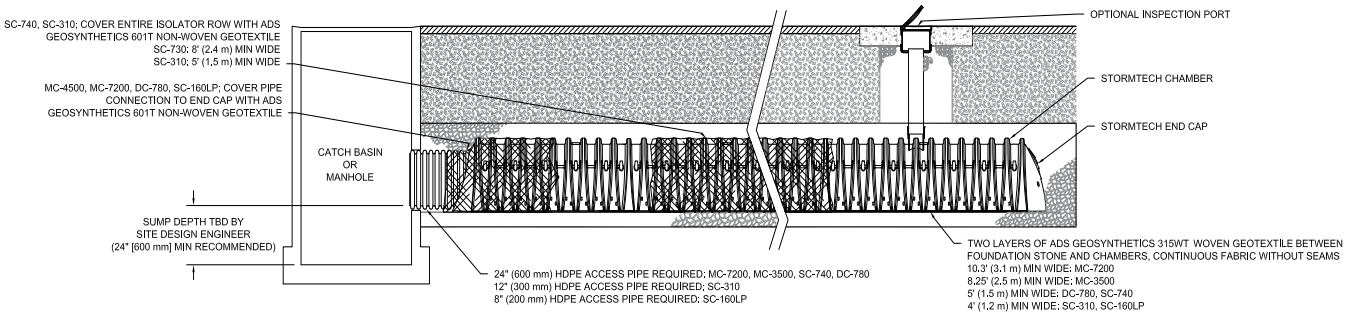
The Isolator Row was designed to reduce the cost of periodic maintenance. By “isolating” sediments to just one row, costs are dramatically reduced by eliminating the need to clean out each row of the entire storage bed. If inspection indicates the potential need for maintenance, access is provided via a manhole(s) located on the end(s) of the row for cleanout. If entry into the manhole is required, please follow local and OSHA rules for a confined space entries.

Maintenance is accomplished with the JetVac process. The JetVac process utilizes a high pressure water nozzle to propel itself down the Isolator Row while scouring and suspending sediments. As the nozzle is retrieved, the captured pollutants are flushed back into the manhole for vacuuming. Most sewer and pipe maintenance companies have vacuum/JetVac combination vehicles. Selection of an appropriate JetVac nozzle will improve maintenance efficiency. Fixed nozzles designed for culverts or large diameter pipe cleaning are preferable. Rear facing jets with an effective spread of at least 45” are best. JetVac reels can vary in length. For ease of maintenance, ADS recommends Isolator Row lengths up to 200" (61 m). **The JetVac process shall only be performed on StormTech Isolator Rows that have AASHTO class 1 woven geotextile (as specified by StormTech) over their angular base stone.**



StormTech Isolator Row (not to scale)

Note: *Non-woven fabric is only required over the inlet pipe connection into the end cap for SC-160LP, DC-780, MC-3500 and MC-7200 chamber models and is not required over the entire Isolator Row.*



Isolator Row Step By Step Maintenance Procedures

Step 1

Inspect Isolator Row for sediment.

A) Inspection ports (if present)
   i. Remove lid from floor box frame
   ii. Remove cap from inspection riser
   iii. Using a flashlight and stadia rod,measure depth of sediment and record results on maintenance log.
   iv. If sediment is at or above 3 inch depth, proceed to Step 2. If not, proceed to Step 3.

B) All Isolator Row
   i. Remove cover from manhole at upstream end of Isolator Row
   ii. Using a flashlight, inspect down Isolator Row through outlet pipe
      1. Mirrors on poles or cameras may be used to avoid a confined space entry
      2. Follow OSHA regulations for confined space entry if entering manhole
   iii. If sediment is at or above the lower row of sidewall holes (approximately 3 inches), proceed to Step 2. If not, proceed to Step 3.

Step 2

Clean out Isolator Row using the JetVac process.

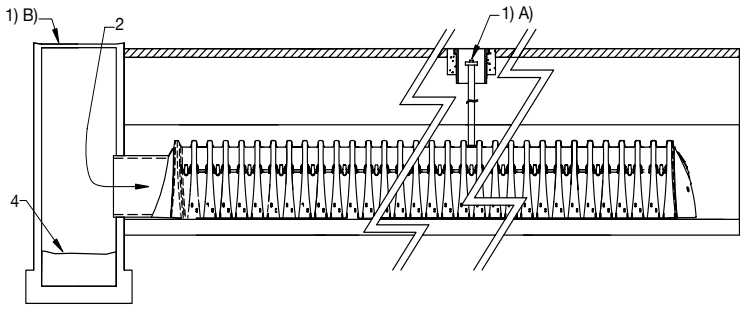
A) A fixed floor cleaning nozzle with rear facing nozzle spread of 45 inches or more is preferable
B) Apply multiple passes of JetVac until backflush water is clean
C) Vacuum manhole sump as required

Step 3

Replace all caps, lids and covers, record observations and actions.

Step 4

Inspect & clean catch basins and manholes upstream of the StormTech system.



Sample Maintenance Log

Date	Stadia Rod Readings		Sediment Depth (1)–(2)	Observations/Actions	Inspector
	Fixed point to chamber bottom (1)	Fixed point to top of sediment (2)			
3/15/11	6.3 ft	none		New installation. Fixed point is CI frame at grade	DJM
9/24/11		6.2	0.1 ft	Some grit felt	SM
6/20/13		5.8	0.5 ft	Mucky feel, debris visible in manhole and in Isolator Row, maintenance due	NV
7/7/13	6.3 ft		0	System jetted and vacuumed	DJM

adspipe.com
800-821-6710

ADS "Terms and Conditions of Sale" are available on the ADS website, www.ads-pipe.com
The ADS logo and the Green Stripe are registered trademarks of Advanced Drainage Systems, Inc.
Stormtech® and the Isolator® Row are registered trademarks of StormTech, Inc.
© 2022 Advanced Drainage Systems, Inc. #11011 2/22 CS

Oldcastle Infrastructure™
A CRH COMPANY

FLOGARD+PLUS®
CATCH BASIN INSERT FILTER

Inspection and Maintenance Guide

DRAINAGE PROTECTION SYSTEMS
DPS
A division of
Oldcastle Infrastructure

Water

SCOPE:

Federal, State and Local Clean Water Act regulations and those of insurance carriers require that stormwater filtration systems be maintained and serviced on a recurring basis. The intent of the regulations is to ensure that the systems, on a continuing basis, efficiently remove pollutants from stormwater runoff thereby preventing pollution of the nation's water resources. These specifications apply to the FloGard+Plus® Catch Basin Insert Filter.

RECOMMENDED FREQUENCY OF SERVICE:

Drainage Protection Systems (DPS) recommends that installed FloGard+Plus Catch Basin Insert Filters be serviced on a recurring basis. Ultimately, the frequency depends on the amount of runoff, pollutant loading and interference from debris (leaves, vegetation, cans, paper, etc.); however, it is recommended that each installation be serviced a minimum of three times per year, with a change of filter medium once per year. DPS technicians are available to do an on-site evaluation, upon request.

RECOMMENDED TIMING OF SERVICE:

DPS guidelines for the timing of service are as follows:

1. For areas with a definite rainy season: Prior to, during and following the rainy season.
2. For areas subject to year-round rainfall: On a recurring basis (at least three times per year).
3. For areas with winter snow and summer rain: Prior to and just after the snow season and during the summer rain season.
4. For installed devices not subject to the elements (wash racks, parking garages, etc.): On a recurring basis (no less than three times per year).

SERVICE PROCEDURES:

1. The catch basin grate shall be removed and set to one side. The catch basin shall be visually inspected for defects and possible illegal dumping. If illegal dumping has occurred, the proper authorities and property owner representative shall be notified as soon as practicable.
2. Using an industrial vacuum, the collected materials shall be removed from the liner. (Note: DPS uses a truck-mounted vacuum for servicing FloGard+Plus catch basin inserts).
3. When all of the collected materials have been removed, the filter medium pouches shall be removed by unsnapping the tether from the D-ring and set to one side. The filter liner, gaskets, stainless steel frame and mounting brackets, etc., shall be inspected for continued serviceability. Minor damage or defects found shall be corrected on-the-spot and a notation made on the Maintenance Record. More extensive deficiencies that affect the efficiency of the filter (torn liner, etc.), if approved by the customer representative, will be corrected and an invoice submitted to the representative along with the Maintenance Record.
4. The filter medium pouches shall be inspected for defects and continued serviceability and replaced as necessary, and the pouch tethers re-attached to the liner's D-ring.
5. The grate shall be replaced.

REPLACEMENT AND DISPOSAL OF EXPOSED FILTER MEDIUM AND COLLECTED DEBRIS

The frequency of filter medium exchange will be in accordance with the existing DPS-Customer Maintenance Contract. DPS recommends that the medium be changed at least once per year. During the appropriate service, or if so determined by the service technician during a non-scheduled service, the filter medium will be replaced with new material. Once the exposed pouches and debris have been removed, DPS has possession and must dispose of it in accordance with local, state and federal agency requirements.

DPS also has the capability of servicing all manner of storm drain filters, catch basin inserts and catch basins without inserts, underground oil/water separators, stormwater interceptors and other such devices. All DPS personnel are highly qualified technicians and are confined-space trained and certified. Call us at (888) 950-8826 for further information and assistance.

FLOGARD+PLUS®
CATCH BASIN INSERT FILTER

OUR MARKETS

BUILDING STRUCTURES

COMMUNICATIONS

WATER

ENERGY

TRANSPORTATION

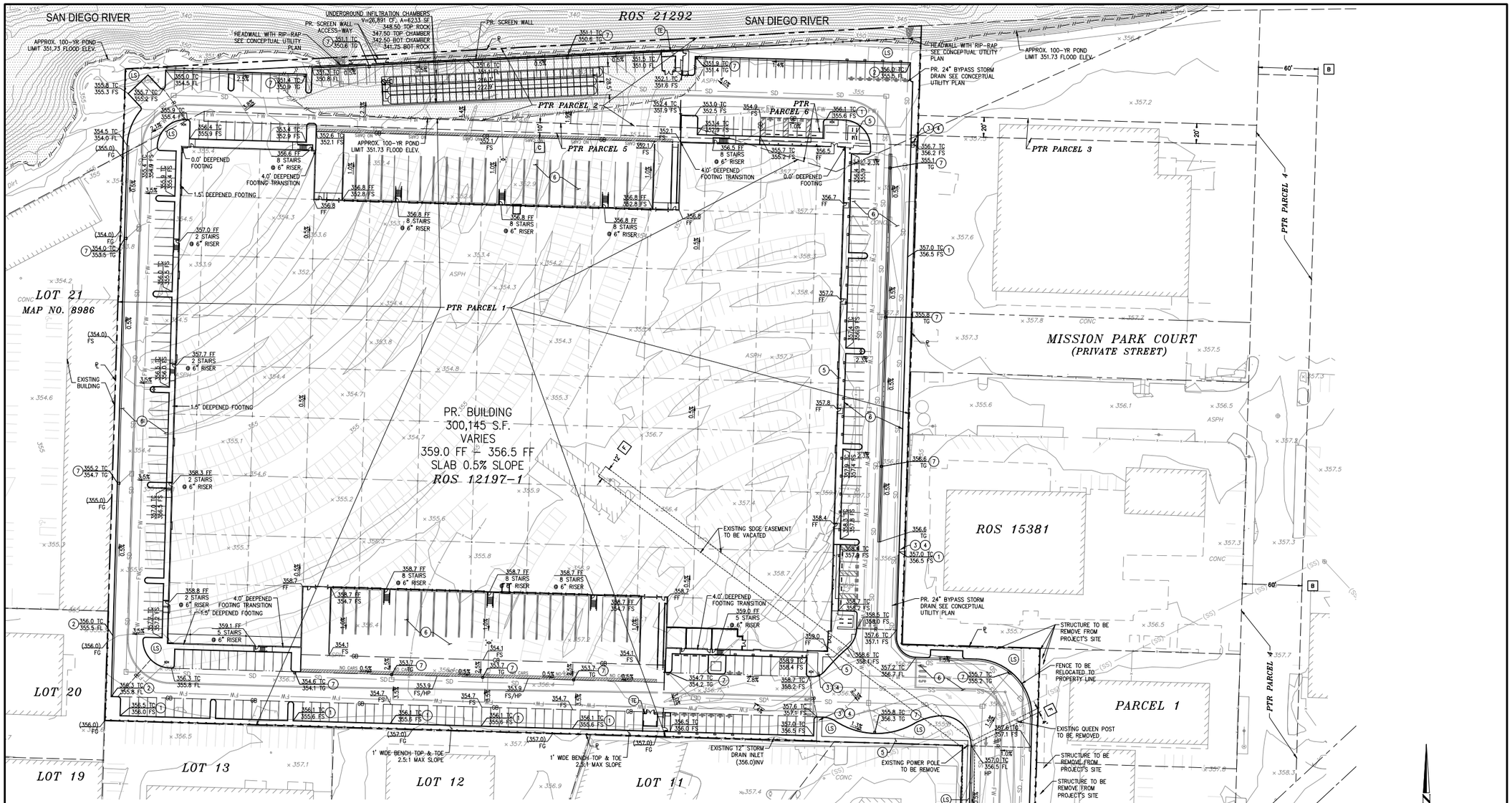
ATTACHMENT 4
Copy of Plan Sheets Showing Permanent Storm Water BMPs

This is the cover sheet for Attachment 4.

Use this checklist to ensure the required information has been included on the plans:

The plans must identify:

- ☐ Structural BMP(s) with ID numbers matching Form I-6 Summary of PDP Structural BMPs
- ☐ The grading and drainage design shown on the plans must be consistent with the delineation of DMAs shown on the DMA exhibit
- ☐ Details and specifications for construction of structural BMP(s)
- ☐ Signage indicating the location and boundary of structural BMP(s) as required by the [City Engineer]
- ☐ How to access the structural BMP(s) to inspect and perform maintenance
- ☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
- ☐ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
- ☐ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
- ☐ Recommended equipment to perform maintenance
- ☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management
- ☐ Include landscaping plan sheets showing vegetation requirements for vegetated structural BMP(s)
- ☐ All BMPs must be fully dimensioned on the plans
- ☐ When proprietary BMPs are used, site-specific cross section with outflow, inflow, and model number shall be provided. Photocopies of general brochures are not acceptable.



GRADING CONSTRUCTION NOTES

(LS) LANDSCAPE PER SEPARATE LANDSCAPE PLANS.

(TE) TRASH ENCLOSURE PER ARCHITECTURAL PLANS.

(1) CONSTRUCT 6" CURB.

(2) CONSTRUCT 6" CURB AND GUTTER.

(3) INSTALL DETECTABLE WARNINGS.

(4) CONSTRUCT CURB RAMP.

(5) CONSTRUCT 4" PCC SIDEWALK.

(6) CONSTRUCT PAVEMENT PER GEOTECHNICAL REPORT.

(7) CONSTRUCT GRATED INLET CATCH BASIN. CATCH BASIN SHALL BE INSTALLED WITH OLDCASTLE FLOGARD GIB AND SHALL HAVE NPDES SIGNAGE/STENCILING. SEE DETAIL 7 SHEET 3.

BENCHMARK INFORMATION

THE CONTOURS AND ELEVATIONS SHOWN HEREON ARE BASED ON THE FOLLOWING BENCHMARK:

BM No.:EC 0113 ELEV.: 347.927' (CITY OF SANTEE BENCHMARK)
DATUM: NAVD 88
DESCRIPTION:0.3 M.N. MAGNOLIA AVE. FROM INT. OF MISSION GEORGE RD. W. OF RD 50 FT W C/L 133 S OF PPH818073 210 FT N PP 72332, 54 FT NW 3IN DIAMETER CONC MH STRUCTURE. FRT OF EDGEMOOR GERIATRIC HOSP. BRASS DISC IN CONC MON STMPD EC 1131 & MA-2 SD CO. 1996. WT PST 0.5 E OF BM ELEV 347.927

CONTOUR INTERVAL='1'

TOPOGHRAPHIC INFORMATION

THE TOPOGRAPHIC INFORMATION SHOWN HEREON WAS COMPILED PHOTOGRAMMETRICALLY FROM AERIAL PHOTOGRAPHY DATED SEPTEMBER 30, 2022 BY INLAND AERIAL SURVEYS INC AND SUPPLEMENTED BY A FIELD SURVEY COMPLETED ON OCTOBER 18, 2022.

TITLE EXCEPTIONS AND EASEMENTS

SEE SHEET 2

PERVIOUS & IMPERVIOUS AREA TABLE

DMA ID	PERVIOUS AREA (SF)	IMPERVIOUS AREA (SF)	TOTAL AREA (SF)	TYPE
A	28,523	548,087	576,610	AREA DRAINING TO BMP (INF-1)
A-1	10,432	0	10,432	SELF-MITIGATING AREA
TOTAL SITE	38,955	548,087	587,042	

NOTE: SEE PRELIMINARY SWQMP REPORT FOR DRAINAGE AREA DELINEATIONS.

ROOF DRAINAGE NOTE

BUILDING DOWNSPOUTS WILL DRAIN TO LANDSCAPED AREAS TO THE MAXIMUM EXTENT PRACTICAL.

LEGEND

FW — PROPOSED FIRE WATER
W — PROPOSED WATER
SD — PROPOSED STORM DRAIN
S — PROPOSED SEWER
PROPERTY LINE

SHEET INDEX

SHEET NO.	DESCRIPTION
1	CONCEPTUAL GRADING PLAN
2	NOTES AND SECTIONS
3	DETAILS
4	CONCEPTUAL UTILITY PLAN

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860
DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

NOT FOR CONSTRUCTION

NO.	REVISION:	DATE:

PROJECT: NPP SANTEE
WOODSIDE AVE
SANTEE, CA

DRAWING NAME: CONCEPTUAL GRADING PLAN

ISSUE:	CONCEPT
DATE:	11/03/22
CHECKED: MH	DRAWN: MH
DRAWING FILE: 8732pg101	
PROJECT NO.: 22-834	
SHEET NUMBER:	1
OF	4 SHEETS
SCALE: AS SHOWN	

FILENAME: M:\2022\22-834 NPP Woodside Ave Santee\CD\22-834 CGrdng, LAST SAVED ON: Jan 10 2024 11:05am PLOTTED BY: NICHOLAS, ON: Jan 10 2024 11:24am, GPSC

DATE OF FIELD SURVEY

OCTOBER, 2022

TAX PARCEL NO.

381-070-52-00

TITLE INFORMATION

THE TITLE INFORMATION SHOWN HEREON IS PER PRELIMINARY REPORT FOR TITLE INSURANCE NO. 00183801-021-J5-1TW DATED SEPTEMBER 21, 2022 AS PREPARED BY CHICAGO TITLE INSURANCE COMPANY, LOS ANGELES, CALIFORNIA [TITLE OFFICER: TED TAN/JENNIFER WRIGHT, TELEPHONE: (213) 488-4331]. NO RESPONSIBILITY OF CONTENT, COMPLETENESS OR ACCURACY OF SAID PRELIMINARY REPORT IS ASSUMED BY THIS MAP OR THE SURVEYOR.

RECORD OWNER

THE FORTE FAMILY LIMITED PARTNERSHIP, A CALIFORNIA LIMITED PARTNERSHIP, AS TO PARCELS 1, 2, 3, 4 AND 5; JOHN E. FORTE, TRUSTEE UNDER DECLARATION OF TRUST DATED APRIL 29, 1981, AS TO PARCEL 6 SUBJECT TO EXCEPTION NOS. 17, 18 AND 19.

TITLE EXCEPTIONS AND EASEMENTS

A–B TAXES.

1 WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT SHOWN BY THE PUBLIC RECORDS.

2 EASEMENTS FOR INGRESS AND EGRESS, PIPELINES, DRAINAGE AND/OR PUBLIC UTILITIES AND INCIDENTAL PURPOSES THERETO OVER, UNDER, ALONG AND ACROSS THE EASEMENT PARCEL(S) HEREIN DESCRIBED AS GRANTED AND/OR RESERVED IN VARIOUS DEEDS OF RECORD.

(DOCUMENT AFFECTS – THE LOCATION OF THE EASEMENT CANNOT BE DETERMINED FROM RECORD INFORMATION – SEE THE SURVEY PLAT FOR EASEMENTS AFFECTING THE SUBJECT PROPERTY)

3 THE RIGHTS RESERVED IN THE DEED FROM H. D. WILLIAMSON AND WIFE, TO T. L. BARNES, RECORDED DECEMBER 29, 1910, IN BOOK 506, PAGE 353, DEEDS, WHICH ARE AS FOLLOWS:

"RESERVING TO THE GRANTORS, THE RIGHT AT ANY TIME TO PROTECT, IF THE GRANTEES, THEIR HEIRS AND SUCCESSORS DO NOT SUFFICIENTLY DO SO, FROM THE ENCROACHMENT OF THE SAN DIEGO RIVER, TO THE RIGHT OF WAY OF SAID SAN DIEGO CUYAMA RAILWAY AND TO TAKE FROM ANY PART OF SAID LAND, ALL EARTH, STONES, BRUSH AND MATERIAL NECESSARY TO PROPERTY PROTECT THE MEND THEREOF, FROM THE ENCROACHMENT OF SAID RIVER."

NOTE: BY MESNE CONVEYANCES OF RECORD, THE INTEREST OF H. D. WILLIAMSON IN THE AFORESAID RIGHTS, HAS SINCE PASSED TO AND NOW VESTS IN THE COUNTY OF SAN DIEGO, A PUBLIC CORPORATION.

(DOCUMENT AFFECTS – THE LOCATION OF THE EASEMENT CANNOT BE DETERMINED FROM RECORD INFORMATION)

4 EASEMENT(S) GRANTED TO WALTER H. DUPEE FOR DITCH AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT RECORDED MAY 6, 1913 IN BOOK 609, PAGE 278, DEEDS

NOTE: BY MESNE CONVEYANCES OF RECORD, THE INTEREST OF WALTER H. DUPEE IN THE AFORESAID DITCH, HAS SINCE PASSED TO AND NOW VESTS IN THE COUNTY OF SAN DIEGO.

(DOCUMENT AFFECTS – PLOTTED HEREON AS [D])

5 EASEMENT(S) GRANTED TO SAN DIEGO CONSOLIDATED GAS & ELECTRIC COMPANY, A CORPORATION FOR PUBLIC UTILITIES, INGRESS AND EGRESS AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT RECORDED JANUARY 14, 1918 IN BOOK 748, PAGE 161, DEEDS.

(DOCUMENT AFFECTS – THE LOCATION OF THE EASEMENT CANNOT BE DETERMINED FROM RECORD INFORMATION)

6 MATTERS CONTAINED IN THAT CERTAIN DOCUMENT ENTITLED "AGREEMENT" RECORDED MAY 27, 1922 IN BOOK 890, PAGE 253, DEEDS.

(DOCUMENT AFFECTS – THE LOCATION OF THE EASEMENT CANNOT BE DETERMINED FROM RECORD INFORMATION)

7 THE RIGHT OF THE OWNERS OF THE PROPERTY HEREIN DESCRIBED, TO DIVERT CERTAIN AMOUNTS OF WATER FROM THE SAN DIEGO RIVER FOR BENEFICIAL USE UPON THEIR LANDS, SUBJECT HOWEVER, TO THE PRIOR RIGHTS OF THE CITY OF SAN DIEGO, A MUNICIPAL CORPORATION AND LA MESA, LEMON GROVE AND SPRING VALLEY IRRIGATION DISTRICT, TO THE USE OF THE WATERS OF SAID SAN DIEGO RIVER, AS DECREED IN THAT CERTAIN JUDGMENT, RENDERED AUGUST 16, 1938, IN AN ACTION OF THE SUPERIOR COURT OF SAN DIEGO COUNTY, CALIFORNIA, ENTITLED, "PHILLIP P. MARTIN, ET AL, PLAINTIFFS VS. THE CITY OF SAN DIEGO, A MUNICIPAL CORPORATION, ET AL, DEFENDANTS, CASE NO. 85300."

(DOCUMENT AFFECTS – NOTHING TO PLOT)

8 EASEMENT(S) FOR ROADWAY AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT RECORDED MARCH 5, 1951 IN BOOK 3999, PAGE 111, OFFICIAL RECORDS.

(DOCUMENT AFFECTS – THE LOCATION OF THE EASEMENT CANNOT BE DETERMINED FROM RECORD INFORMATION)

TITLE EXCEPTIONS AND EASEMENTS (CONTINUED)

9 EASEMENT(S) GRANTED TO SAN DIEGO GAS & ELECTRIC COMPANY, A CORPORATION FOR THE LINE OF PIPE AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT RECORDED APRIL 27, 1964 AS INSTRUMENT NO. 75573, OFFICIAL RECORDS.

(DOCUMENT AFFECTS – PLOTTED HEREON AS [B])

10 EASEMENT(S) GRANTED TO KONRAD S. LEAK AND LAURA A. LEAK, JAMES H. STRATTON, RICHARD A. MILLER, SCOTT G. MILLER AND JOHN FORTE FOR ROAD AND UTILITY AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT RECORDED MARCH 19, 1965 AS INSTRUMENT NO. 49554, OFFICIAL RECORDS.

(DOCUMENT AFFECTS – PLOTTED HEREON AS [C])

11 EASEMENT(S) GRANTED TO SAN DIEGO GAS & ELECTRIC COMPANY, A CORPORATION FOR THE LINE OF POLES WITH WIRES AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT RECORDED AUGUST 31, 1962 AS INSTRUMENT NO. 151610, OFFICIAL RECORDS.

(DOCUMENT AFFECTS – PLOTTED HEREON AS [F])

12 AN INSTRUMENT IN FAVOR OF COUNTY OF SAN DIEGO ENTITLED "DECLARATION OF COVENANTS FOR STREET IMPROVEMENTS" RECORDED AUGUST 23, 1976 AS INSTRUMENT NO. 76-273554, OFFICIAL RECORDS.

THIS COVENANT AND AGREEMENT PROVIDES THAT IT SHALL BE BINDING UPON ANY FUTURE OWNERS, ENCUMBRANCERS, THEIR SUCCESSORS OR ASSIGNS, AND SHALL CONTINUE IN EFFECT UNTIL THE ADVISORY AGENCY APPROVES TERMINATION.

(DOCUMENT AFFECTS – NOTHING TO PLOT)

13 DISCREPANCIES, CONFLICTS IN BOUNDARY LINES, SHORTAGE IN AREA, ENCROACHMENTS, OR ANY OTHER MATTERS SHOWN ON RECORD OF SURVEY MAP NO. 11770 RECORDED AUGUST 25, 1988.

(DOCUMENT AFFECTS – NOTHING TO PLOT)

14 DISCREPANCIES, CONFLICTS IN BOUNDARY LINES, SHORTAGE IN AREA, ENCROACHMENTS, OR ANY OTHER MATTERS SHOWN ON RECORD OF SURVEY MAP NO. 12197 RECORDED JUNE 1, 1989.

(DOCUMENT AFFECTS – NOTHING TO PLOT)

15 MATTERS CONTAINED IN THAT CERTAIN DOCUMENT ENTITLED "BOUNDARY AGREEMENT AND GRANT OF REVOCABLE LICENSE TO ENCROACH" RECORDED FEBRUARY 14, 1992 AS INSTRUMENT NO. 1992-0084989, OFFICIAL RECORDS.

(DOCUMENT AFFECTS – PLOTTED HEREON AS [E])

16 AN UNRECORDED LEASE WITH CERTAIN TERMS, COVENANTS, CONDITIONS AND PROVISIONS SET FORTH THEREIN AS DISCLOSED BY THE DOCUMENT ENTITLED "BOUNDARY AGREEMENT AND GRANT OF REVOCABLE LICENSE TO ENCROACH" RECORDED FEBRUARY 14, 1992 AS INSTRUMENT NO. 1992-0084989, OFFICIAL RECORDS.

(DOCUMENT AFFECTS – PLOTTED HEREON AS [E])

17 THE EFFECT OF A QUITCLAIM DEED RECORDED MAY 16, 1997 AS INSTRUMENT NO. 1997-0229061, OFFICIAL RECORDS.

NOTE: A PORTION OF PARCEL 1 ON SAID DEED IS STILL HELD UNDER THE TRUST REFERRED TO IN QUITCLAIM DEED RECORDED JULY 21, 1981, AS INSTRUMENT NO. 81-229662, OFFICIAL RECORDS.

(NOT A SURVEY MATTER)

18 THE EFFECT OF A QUITCLAIM DEED RECORDED MAY 16, 1997 AS INSTRUMENT NO. 1997-0229062, OFFICIAL RECORDS.

NOTE: A PORTION OF PARCEL 1 ON SAID DEED IS STILL HELD UNDER THE TRUST REFERRED TO IN QUITCLAIM DEED RECORDED JULY 21, 1981, AS INSTRUMENT NO. 81-229662, OFFICIAL RECORDS.

(NOT A SURVEY MATTER)

19 THE EFFECT OF A QUITCLAIM DEED RECORDED MAY 28, 1997 AS INSTRUMENT NO. 1997-0245849, OFFICIAL RECORDS.

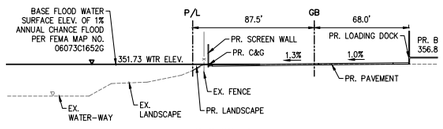
NOTE: A PORTION OF PARCEL 1 ON SAID DEED IS STILL HELD UNDER THE TRUST REFERRED TO IN QUITCLAIM DEED RECORDED JULY 21, 1981, AS INSTRUMENT NO. 81-229662, OFFICIAL RECORDS.

(NOT A SURVEY MATTER)

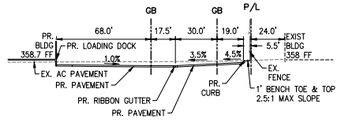
20 THE LAND DESCRIBED HEREIN IS INCLUDED WITHIN A PROJECT AREA OF THE THE CITY OF SANTEE COMMUNITY DEVELOPMENT COMMISSION, AND THAT PROCEEDINGS FOR THE REDEVELOPMENT OF SAID PROJECT HAVE BEEN INSTITUTED UNDER THE REDEVELOPMENT LAW (SUCH REDEVELOPMENT TO PROCEED ONLY AFTER THE ADOPTION OF THE REDEVELOPMENT PLAN) AS DISCLOSED BY A DOCUMENT RECORDED SEPTEMBER 18, 2007 AS INSTRUMENT NO. 2007-0611268, OFFICIAL RECORDS.

(DOCUMENT AFFECTS – NOTHING TO PLOT)

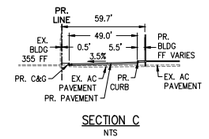
21–25 TITLE COMPANY STATEMENTS.



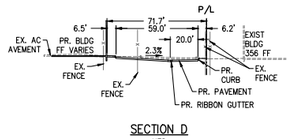
SECTION A
NTS.



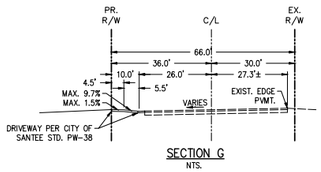
SECTION B
NTS



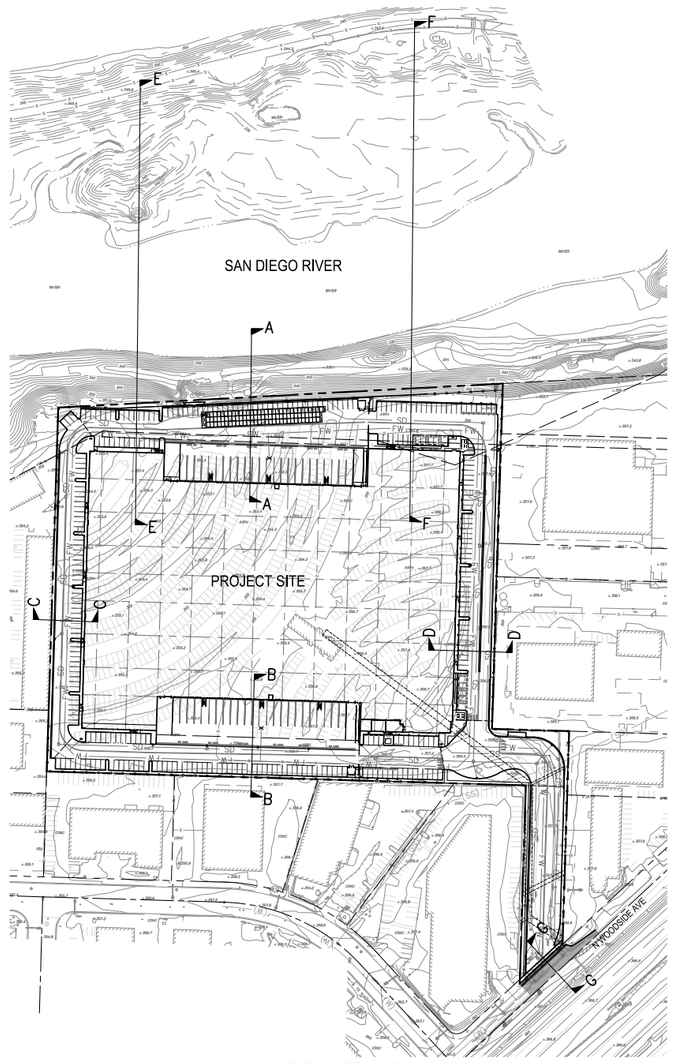
SECTION C
NTS



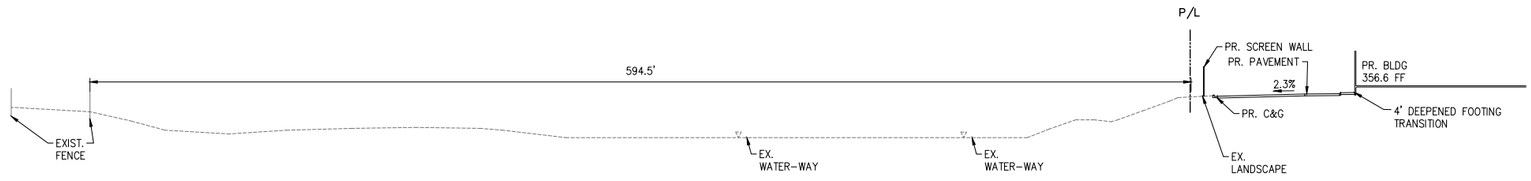
SECTION D
NTS



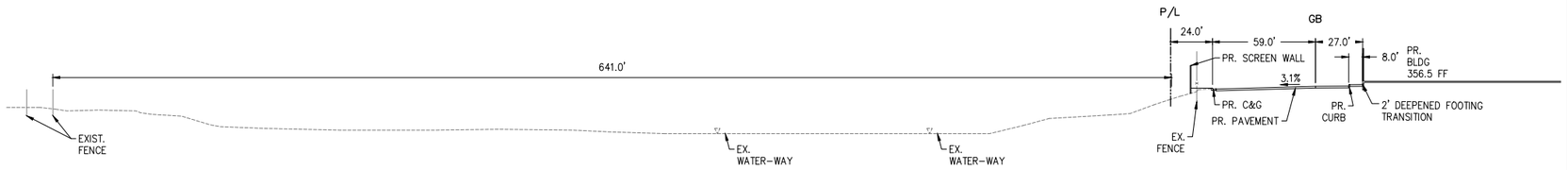
SECTION G
NTS.



SECTION INDEX MAP
1"=100'



SECTION E
NTS.



SECTION F
NTS.

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

NOT FOR CONSTRUCTION

NO: REVISION: DATE:

PROJECT: NPP SANTEE
WOODSIDE AVE
SANTEE, CA

DRAWING NAME: NOTES AND SECTIONS

ISSUE:	CONCEPT
DATE:	11/03/22
CHECKED: MH	DRAWN: MH
DRAWING FILE: 8732pg101	
PROJECT NO.: 22-834	
SHEET NUMBER:	2 OF 4 SHEETS
SCALE: AS SHOWN	

ELIMAGE: M:\2022\22-834 NPP Woodside Ave Santee\DWG\22-834 GCdwg, LAST SAVED ON: Jan 10 2024 11:05am PLOTTED BY: NICHOLAS, ON: Jan 10 2024 11:38am, CFS:

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER	
ADS SALES REP	
PROJECT NO.	

ADS Advanced Drainage Systems, Inc.

ADS SiteAssist® FOR STORMTECH INSTALLATION INSTRUCTIONS VISIT OUR APP

PALISADE SANTEE BUSINESS CENTER

SANTEE, CA, USA

MC-7200 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH MC-7200.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 60x101
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) HS20-TRUCK LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". MAXIMUM ALLOWABLE LOADS SHALL BE 23 TONS (46,000 POUNDS) OF STATIC/DYNAMIC (+ MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM DEPTH (2 MAXIMUM PERMANENT (1.5-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PAVKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT/%, THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERY OF CHAMBERS TO THE PROJECT SITE. THE:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER,
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD. THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD/DESIGN (EXCEPT THAT IT SHALL BE THE 75 YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-7200 CHAMBER SYSTEM

1. STORMTECH MC-7200 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-7200 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-7200 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR EXCAVATOR SITUATED OVER THE CHAMBERS. CHAMBERS RECOMMENDED BACKFILL METHOD IS:
   - STONE/BACKFILL LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 9" (230 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
8. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE MEETING THE AASHTO M43 DESIGNATION OF #3 OR #4.
9. STONE SHALL BE BROUGHT UP EVENLY AROUND CHAMBERS SO AS NOT TO DISTORT THE CHAMBER SHAPE. STONE DEPTHS SHOULD NEVER DIFFER BY MORE THAN 12" (300 mm) BETWEEN ADJACENT CHAMBER ROWS.
10. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
11. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIAL BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
12. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

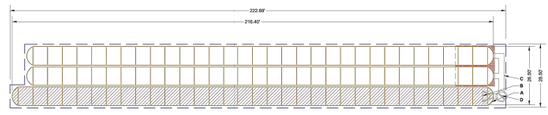
1. STORMTECH MC-7200 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-7200 CONSTRUCTION GUIDE".
2. THE USE OF EQUIPMENT OVER MC-7200 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-7200 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-7200 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

4820 KOS, INC.

PROPOSED LAYOUT	CONCEPTUAL ELEVATIONS	*INVERT ABOVE BASE OF CHAMBER
54 STORMTECH MC-7200 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/EMPLACED)	12.76
7 STORMTECH MC-7200 END CAPS	MINIMUM ALLOWABLE GRADE (IMPACTED WITH TRAFFIC)	9.26
4 STONE ABOVE (IN)	MINIMUM ALLOWABLE GRADE (TOP OF ROAD THICKNESS)	8.76
2 STONE BELOW (IN)	MINIMUM ALLOWABLE GRADE (TOP OF ROAD THICKNESS PAVEMENT)	7.76
60 SUBGRADE SOILS	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)	7.26
24691 TOTAL EXCAVATION SYSTEM VOLUME (CF)	* CHAMFER LD	0.20"
STORMWATER STONE INCLUDED (COVER STONE INCLUDED)	* CHAMFER LD	0.20"
BASE STONE INCLUDED)	6 NEENAH R-3067-TR STRUCTURE	
4033 SYSTEM AREA (SF)	D DESIGN BY ENGINEER / PROVIDED BY OTHERS)	19.0 CFS IN
452.8 SYSTEM PERIMETER (ft)		
	BOTTOM OF MC-7200 CHAMBER.	0.76
	BOTTOM OF STONE.	0.00



ISOLATOR ROW PLUS (SEE DETAIL)

PLACE MINIMUM 17.55' OF ADSPLUS175 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

NOTES

1. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE 85.32 FOR MANIFOLD SIZING GUIDANCE.
2. THE PALISADE SANTEE BUSINESS CENTER CONSISTS OF TWO CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
   - THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
   - THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE IN-SITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS KNOWN.
   - **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STONAGE VOLUME CAN BE ACHIEVED ON SITE.

PALISADE SANTEE BUSINESS CENTER, SANTEE, CA, USA — DRAWN: MH — PROJECT #: 8732pg101 — CHECKED: N/A

DATE	DRWN	CHK	DESCRIPTION

StormTech® — 4640 TRUCKMAN BLVD HIALEAH, FL 33014 — 1.888.892.2694 | WWW.STORMTECH.COM

SHEET 2 OF 5

ACCEPTABLE FILL MATERIALS: STORMTECH MC-7200 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B) LAYER TO 24" (600 mm) BELOW FINISH GRADE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B' LAYER) TO 24" (600 mm) BELOW FINISH GRADE. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE.	AASHTO M145* A-1, A-2-4, A-3 OR AASHTO M43* 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
		MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER		
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A' LAYER) TO THE 'C' LAYER ABOVE	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43* 3, 4	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43* 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[1,2]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

NOTES:

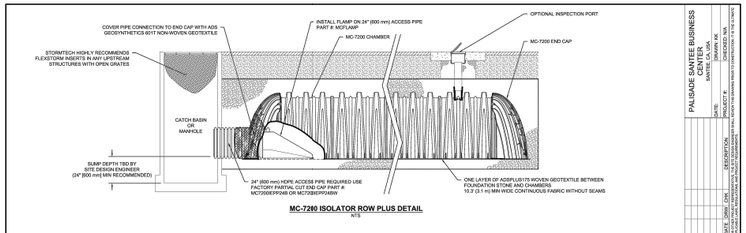
1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 60x101
2. MC-7200 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT/%, THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

PALISADE SANTEE BUSINESS CENTER, SANTEE, CA, USA — DRAWN: MH — PROJECT #: 8732pg101 — CHECKED: N/A

DATE	DRWN	CHK	DESCRIPTION

StormTech® — 4640 TRUCKMAN BLVD HIALEAH, FL 33014 — 1.888.892.2694 | WWW.STORMTECH.COM

SHEET 3 OF 5



MC-7200 ISOLATOR ROW PLUS DETAIL
N.T.S

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A DIPSTICK OR OTHER MEASURING ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A CAMERA, VISUALLY INSPECT THE ENTIRE ISOLATOR ROW PLUS FROM THE UPSTREAM END OF THE ISOLATOR ROW PLUS PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A VIDEO OF JETVAC CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

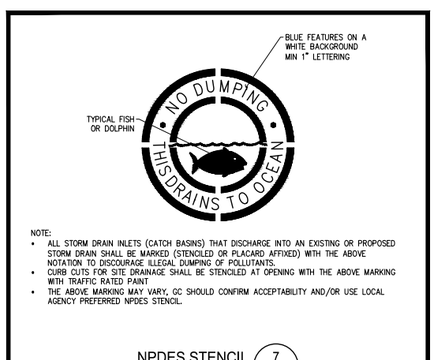
1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

PALISADE SANTEE BUSINESS CENTER, SANTEE, CA, USA — DRAWN: MH — PROJECT #: 8732pg101 — CHECKED: N/A

DATE	DRWN	CHK	DESCRIPTION

StormTech® — 4640 TRUCKMAN BLVD HIALEAH, FL 33014 — 1.888.892.2694 | WWW.STORMTECH.COM

SHEET 4 OF 5

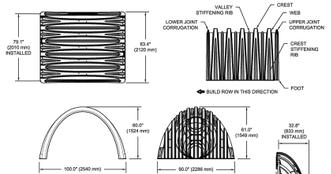


NOTE:
- ALL STORM DRAIN INLETS (CATCH BASINS) THAT DISCHARGE INTO AN EXISTING OR PROPOSED STORM DRAIN SHALL BE MARKED (STENCILED OR PLACARD AFFIXED) WITH THE ABOVE NOTATION TO DISCOURAGE ILLEGAL DUMPING OF POLLUTANTS.
- CURB CUTS FOR SITE DRAINAGE SHALL BE STENCILED AT OPENING WITH THE ABOVE MARKING WITH TRAFFIC RATED PAINT
- THE ABOVE MARKING MAY VARY, GC SHOULD CONFIRM ACCEPTABILITY AND/OR USE LOCAL AGENCY PREFERRED NPDES STENCIL.

NPDES STENCIL 7 N.T.S.

MC-7200 TECHNICAL SPECIFICATION

NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	100.0" X 60.0" X 79.1"	(2540 mm X 1524 mm X 2010 mm)
CHAMBER STORAGE	175.9 CUBIC FEET	(4.98 m³)
MINIMUM INSTALLED STORAGE*	267.5 CUBIC FEET	(7.58 m³)
WEIGHT (NOMINAL)	205 lbs.	(92.9 kg)

NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	90.0" X 61.0" X 32.0"	(2286 mm X 1549 mm X 833 mm)
STORAGE*	91.5 CUBIC FEET	(2.59 m³)
MINIMUM INSTALLED STORAGE*	116.0 CUBIC FEET	(3.28 m³)
WEIGHT (NOMINAL)	90 lbs.	(40.8 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION AND BETWEEN CHAMBERS, 12" (305 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY.

PARTIAL CUT HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PARTIAL CUT HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

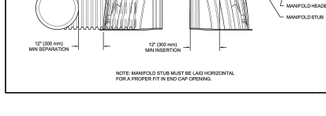
PART #	STUB	B	C
MC7200EPP06T	6" (150 mm)	42.54" (1081 mm)	—
MC7200EPP06B		—	0.66" (22 mm)
MC7200EPP08T	8" (200 mm)	40.50" (1029 mm)	—
MC7200EPP08B		—	1.01" (26 mm)
MC7200EPP10T	10" (250 mm)	38.37" (975 mm)	—
MC7200EPP10B		—	1.33" (34 mm)
MC7200EPP12T	12" (300 mm)	35.69" (907 mm)	—
MC7200EPP12B		—	1.55" (39 mm)
MC7200EPP15T	15" (375 mm)	32.72" (831 mm)	—
MC7200EPP15B		—	1.70" (43 mm)
MC7200EPP18T	18" (450 mm)	29.36" (746 mm)	—
MC7200EPP18B		—	1.87" (50 mm)
MC7200EPP18W		—	—
MC7200EPP24T	24" (600 mm)	23.05" (585 mm)	—
MC7200EPP24TW		—	—
MC7200EPP24B		—	2.26" (57 mm)
MC7200EPP24BW		—	—
MC7200EPP30BW	30" (750 mm)	—	2.69" (73 mm)
MC7200EPP36BW	36" (900 mm)	—	3.25" (83 mm)
MC7200EPP42BW	42" (1050 mm)	—	3.55" (90 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL

CUSTOM PREFABRICATED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE ONE 6" (150 mm) STUB ON SIDE AND 12-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-7200 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPES GREATER THAN 12" (300 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

MC-SERIES END CAP INSERTION DETAIL

NTS



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

PALISADE SANTEE BUSINESS CENTER, SANTEE, CA, USA — DRAWN: MH — PROJECT #: 8732pg101 — CHECKED: N/A

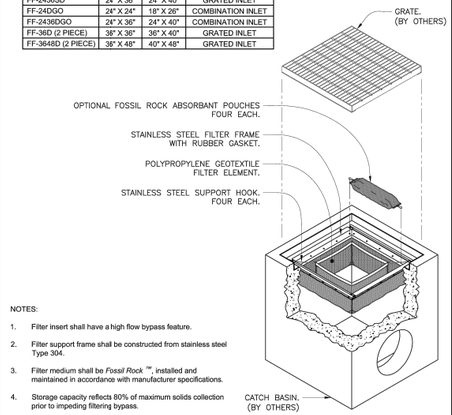
DATE	DRWN	CHK	DESCRIPTION

StormTech® — 4640 TRUCKMAN BLVD HIALEAH, FL 33014 — 1.888.892.2694 | WWW.STORMTECH.COM

SHEET 5 OF 5

FG-0001

SPECIFIER CHART			
MODEL	INLET ID	GRATE OD	COMMENTS
FF-12D	12" X 12"	15" X 15"	GRATED INLET
FF-16D	18" X 16"	18" X 18"	GRATED INLET
FF-18D	18" X 18"	20" X 20"	GRATED INLET
FF-1836SD	18" X 36"	18" X 40"	GRATED INLET
FF-1836DGO	18" X 36"	18" X 40"	COMBINATION INLET
FF-24D	24" X 24"	26" X 26"	GRATED INLET
FF-2436SD	24" X 36"	24" X 40"	GRATED INLET
FF-24DGO	24" X 24"	18" X 26"	COMBINATION INLET
FF-2436DGO	24" X 36"	24" X 40"	COMBINATION INLET
FF-36D (2 PIECE)	36" X 36"	36" X 40"	GRATED INLET
FF-3648D (2 PIECE)	36" X 48"	40" X 48"	GRATED INLET



NOTES:
1. Filter insert shall have a high flow bypass feature.
2. Filter support frame shall be constructed from stainless steel Type 304.
3. Filter medium shall be *Fossil Rock* ™, installed and maintained in accordance with manufacturer specifications.
4. Storage capacity reflects 80% of maximum solids collection prior to impeding filtering bypass.

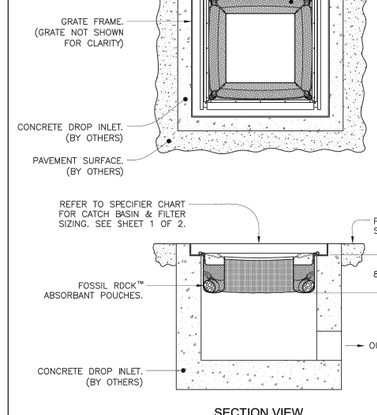
FloGard® *Catch Basin Insert Filter Grated Inlet Style* — Inlet Filtration

Oldcastle® Stormwater Solutions
7521 Southpark Plaza, Suite 200 | Littleton, CO | 80120 | Ph: 800.579.8819 | oldcastlestormwater.com
THESE DRAWINGS & THE INFORMATION THEREIN ARE THE PROPRIETARY PROPERTY OF OLDCASTLE PRECAST, INC. & ALL RIGHTS RESERVED. THEY ARE NOT TO BE USED, COPIED, REPRODUCED OR DISCLOSED IN ANY MANNER WHATSOEVER WITHOUT THE EXPRESS WRITTEN PERMISSION OF OLDCASTLE PRECAST, INC. ALL RIGHTS RESERVED.

DRAWING #	REV	ECO	DATE
FG-0001	E	ECO-0142 JPR 7/13/16	JPR 12/18/06

SHEET 1 OF 2

FG-0001



SECTION VIEW

FloGard® *Catch Basin Insert Filter Grated Inlet Style* — Inlet Filtration

Oldcastle® Stormwater Solutions
7521 Southpark Plaza, Suite 200 | Littleton, CO | 80120 | Ph: 800.579.8819 | oldcastlestormwater.com
THESE DRAWINGS & THE INFORMATION THEREIN ARE THE PROPRIETARY PROPERTY OF OLDCASTLE PRECAST, INC. & ALL RIGHTS RESERVED. THEY ARE NOT TO BE USED, COPIED, REPRODUCED OR DISCLOSED IN ANY MANNER WHATSOEVER WITHOUT THE EXPRESS WRITTEN PERMISSION OF OLDCASTLE PRECAST, INC. ALL RIGHTS RESERVED.

DRAWING #	REV	ECO	DATE
FG-0001	E	ECO-0142 JPR 7/13/16	JPR 12/18/06

SHEET 2 OF 2

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

NOT FOR CONSTRUCTION

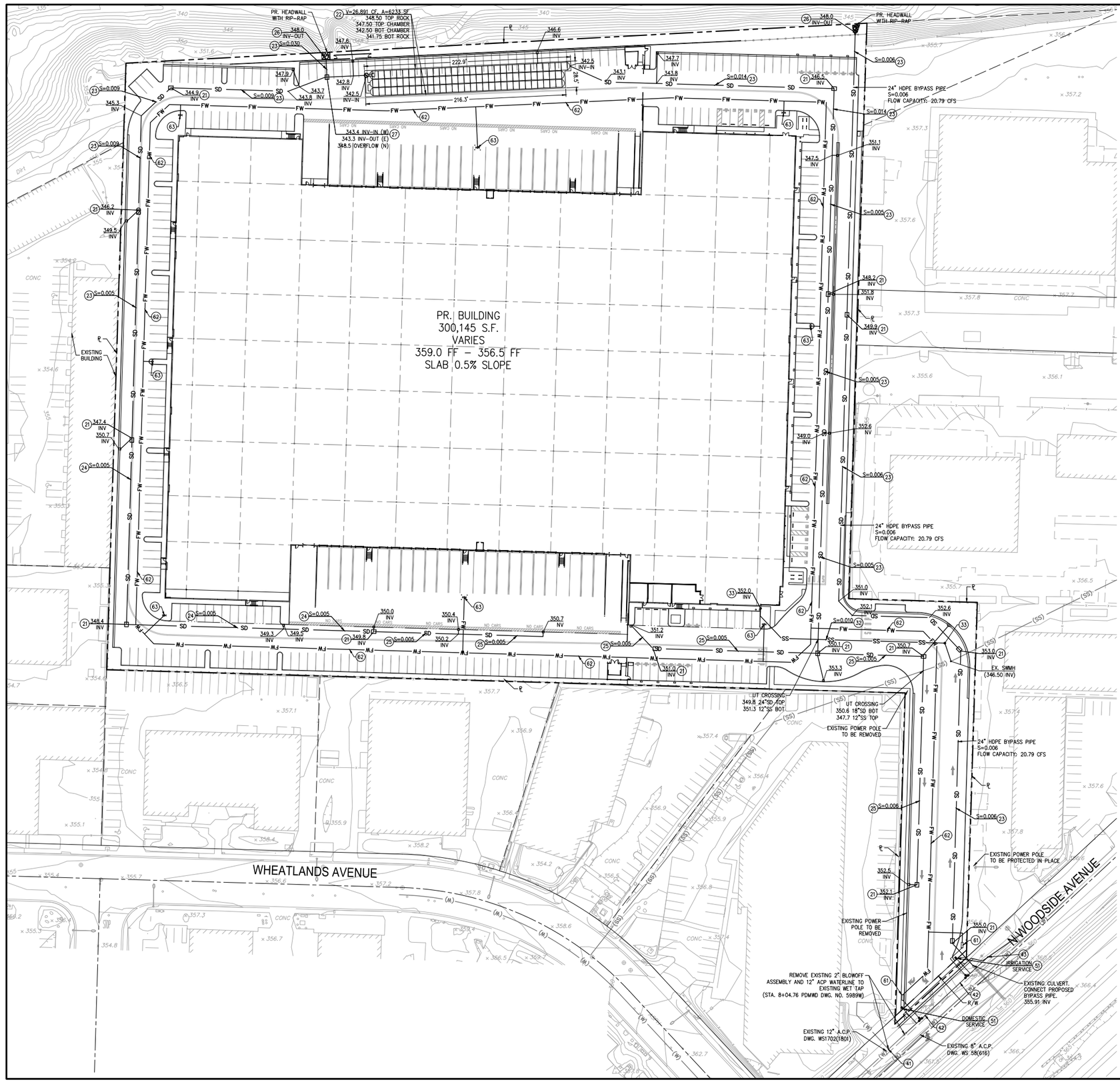
NO.	REVISION:	DATE:

PROJECT: **NPP SANTEE**
WOODSIDE AVE
SANTEE, CA

DRAWING NAME: **DETAILS**

ISSUE:	CONCEPT
DATE:	11/03/22
CHECKED: MH	DRAWN: MH
DRAWING FILE:	8732pg101
PROJECT NO.:	22-934
SHEET NUMBER:	3
OF	4 SHEETS
SCALE:	AS SHOWN

ELEVANCE M:\2022\22-934 NPP Woodside Ave Santee\CD\22-934 CDdwg, LAST SAVED ON: Jan 10 2024



LEGEND

- FW — PROPOSED FIRE WATER
- W — PROPOSED PUBLIC WATER
- SD — PROPOSED STORM DRAIN
- S — PROPOSED SEWER
- PROPERTY LINE

STORM DRAIN CONSTRUCTION NOTES:

21 CONSTRUCT STORM DRAIN MANHOLE
22 INSTALL INFILTRATION CHAMBER SYSTEM. SEE DETAIL SHEET 3.
23 INSTALL 24" HDPE PIPE
24 INSTALL 18" HDPE PIPE
25 INSTALL 12" HDPE PIPE
26 CONSTRUCT HEADWALL OUTLET STRUCTURE WITH RIP-RAP
27 CONSTRUCT STORM DRAIN DIVERSION MANHOLE

SEWER CONSTRUCTION NOTES:

31 CONNECT TO EXISTING SEWER MANHOLE
32 INSTALL 6" SDR 35 PVC SEWER LATERAL
33 INSTALL SEWER CLEAN OUT

PUBLIC WATER CONSTRUCTION NOTES:

41 CONNECT TO EXISTING 12" ACP AND INSTALL 12"X8"X16" TEE
42 INSTALL 18" C-900 DR-14 PVC WATERLINE PER WSA DWG. NO. WP-02.
43 CAP AND INSTALL 2" BLOWOFF ASSEMBLY PER WSA DWG. NO. WB-01

DOMESTIC WATER CONSTRUCTION NOTES:

51 CONNECT TO 18" WATER SERVICE & INSTALL 2" WATER SERVICE PER WAS DWG. NO. WS-02
52 INSTALL 2" C-900 PVC WATER LINE PER WSA DWG. NO. WP-02
53 INSTALL 2" REDUCED PRESSURE DEVICE PER WSA DWG. NO. WR-01

FIRE WATER CONSTRUCTION NOTES

61 INSTALL 10" RPDA PER WATER AGENCIES STANDARDS WF-05.
62 INSTALL 12" C-900 PVC WATER LINE WSA DWG. NO. WP-02
63 INSTALL FIRE HYDRANT PER COUNTY OF SAN DIEGO CONSOLIDATED FIRE CODE

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

NOT FOR CONSTRUCTION

NO.:	REVISION:	DATE:

PROJECT: **NPP SANTEE**
WOODSIDE AVE
SANTEE, CA

DRAWING NAME: **CONCEPTUAL UTILITY PLAN**

ISSUE:	CONCEPT
DATE:	11/03/22
CHECKED: MH	DRAWN: MH
DRAWING FILE:	8732pg101
PROJECT NO.:	22-534
SHEET NUMBER:	4
OF	4 SHEETS
SCALE:	AS SHOWN

FILENAME: M:\2022\22-534 NPP Woodside Ave Santee\CG\22-534 CU.dwg, LAST SAVED ON: Jan 10 2024 10:35am PLOTTED BY: NICHOLAS, ON: Jan 10 2024 10:38am, CFG:

Appendix J-3

Letter to City of Santee regarding the 100-Year Floodplain

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

160 South Old Springs Road, Ste. 210
Anaheim Hills, California 92808
Phone: 714-685-6860
Fax: 714-685-6801

NPP Santee Commerce Center
Job No. 22-534

July 12, 2023

To: **Claire Singh, P.E.**
City of Santee
10601 Magnolia Ave.
Santee, CA 92071

Dear Ms. Singh,

I am writing to you and the City of Santee regarding our project located at 10990 N. Woodside Dr. We have adjusted our horizontal & vertical control to match ROS 11252 as requested in your comment letter on our initial project submittal and have shown the limits of the 100-year floodplain and 100-year water surface elevation based on the City of Santee flood study.

Our site has been designed to match the existing contours along the San Deigo River as to not impact the existing floodplain and our building will be held more than 1' above the floodplain per City of Santee requirements.

In conclusion, it is our professional opinion that our proposed development at 10990 N. Woodside Dr will not impact the FEMA floodplain and does not require coordination with FEMA and/or preparation of FEMA no-rise certification. If you or any City Santee staff have any questions regarding our findings, please feel free to reach out to me directly.

Respectfully,

Matthew Hellesen, PE

DRC Engineering, Inc.

Appendix K
Noise Technical Report

Noise Technical Report

Palisade Santee Commerce Center Project

MAY 2024

Prepared for

NORTH PALISADE PARTNERS
1330 Factory Place, Suite 105
Los Angeles, CA 90013

Prepared by:

DUDEK
605 Third Street
Encinitas, California 92024
Contact: Jim Cowan, INCE Bd. Cert.
Cole Martin, INCE

Table of Contents

SECTION **PAGE NO.**

Acronyms and Abbreviations 3

1 Introduction 4
- 1.1 Report Purpose and Scope 4
- 1.2 Regional and Local Setting 4
- 1.3 Project Description 4
- 1.4 Fundamentals of Noise and Vibration 4
  - 1.4.1 Sound, Noise, and Acoustics 5
  - 1.4.2 Sound Pressure Levels and Decibels 5
  - 1.4.3 A-Weighted Sound Level 5
  - 1.4.4 Human Response to Changes in Noise Levels 6
  - 1.4.5 Noise Descriptors 6
  - 1.4.6 Sound Propagation 7
  - 1.4.7 Groundborne Vibration Fundamentals 7

2 Regulatory Setting 8
- 2.1 Federal 8
  - 2.1.1 Federal Transit Administration 8
  - 2.1.2 Federal Interagency Committee on Noise 8
- 2.2 State 9
  - 2.2.1 California Code of Regulations, Title 24 9
  - 2.2.2 California Department of Health Services Guidelines 9
  - 2.2.3 California Department of Transportation 9
- 2.3 Local 9
  - 2.3.1 City of Santee Noise Level Compatibility Standards 9
  - 2.3.2 Transportation-Related Noise Standards 10
  - 2.3.3 Noise Element Objectives and Policies 10

3 Existing Conditions 12
- 3.1 Noise Measurement Surveys 12
- 3.2 Sensitive Receptors 13

4 Thresholds of Significance 14

5 Impact Discussion 16

6 Summary of Findings 28

7 References Cited 29

TABLES

Table 1. Typical Sound Levels in the Environment and Industry 6
Table 2. Measured Baseline Outdoor Ambient Noise Levels 12
Table 3. Typical Construction Equipment Maximum Noise Levels 16
Table 4. Estimated Distances between Construction Activities and the Nearest Noise-sensitive Receptors 17
Table 5. Predicted Construction Noise Levels per Activity Phase 18
Table 6. Predicted Construction Traffic Noise Levels 20
Table 7. Predicted Traffic Noise Levels 23
Table 8. Modeled Sound Power Levels (PWL) for Stationary Sources (HVAC) 24

FIGURES

Figure 1 Project Location 30
Figure 2 Site Plan 31
Figure 3 City of Santee Noise / Land Use Compatibility Guide 32
Figure 4 Noise Measurement Locations 33
Figure 5 Predicted Daytime Onsite Operation Noise Contours 34
Figure 6 Predicted Nighttime Onsite Operation Noise Contours 35

APPENDICES

A Baseline Noise Measurement Field Data
B Construction Noise Modeling Input and Output
C Traffic Noise Modeling Input and Output
D Project Stationary Operations Noise Prediction Data

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
Caltrans	California Department of Transportation
CEQA	California Environmental Quality Act
City	City of Santee
CNEL	Community Noise Equivalent Level
dB	decibel
dBA	A-weighted decibel
FTA	Federal Transit Administration
ips	inches per second
L_{dn}	day–night average noise level
L_{eq}	equivalent noise level
L_{max}	maximum sound level
L_{min}	minimum sound level
Palisade Santee Commerce Center	proposed project
PPV	peak particle velocity
RCNM	Roadway Construction Noise Model
SLM	Sound level meter
SPL	Sound pressure level
ST	Short-term
VdB	Velocity Decibel

1 Introduction

1.1 Report Purpose and Scope

The purpose of this technical report is to assess the potential noise impacts associated with construction and operation of the Palisade Santee Commerce Center project (project). This analysis uses the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.).

1.2 Regional and Local Setting

The site is located on an approximately 13.49-acre site in the City of Santee, California (Figure 1). The project site is bounded by light industrial land uses to the east, south, and west (adjacent to North Woodside Avenue and Wheatlands Avenue), and the San Diego River to the north. The terminus of Mission Park Court, , a private street, lies to the east of the project site, but does not connect to the site. The project site is approximately 500 feet from the Highway 67 corridor. The General Plan designation for the property is Light Industrial (LI).

1.3 Project Description

The project proposes the demolition of all existing on-site structures located at 10990 Woodside Avenue (APN: 381-070-52) that was originally developed in 1962 as the Santee Drive-In Theatre. The project would redevelop the site for construction of an approximately 300,145 square foot (gross area, inclusive of mezzanines and approximately 10,000 sf of office space) one-story industrial/warehousing building. The proposed building would accommodate warehousing and distribution, manufacturing, assembly, and/or research and development operations, and related office uses. The project would include approximately 290,145 square feet of warehouse space and approximately 10,000 square feet of office space. In addition to the industrial building, the project would include up to 42 dock-high doors, four grade-level doors, two truck courts, and up to 301 passenger-vehicle parking spaces, 30- and 40-foot-wide fire access lanes along the building perimeter, landscaping, and fencing along portions of the developed perimeter with automated gates at certain driveway locations. The project would also include associated utility, stormwater treatment, and roadway improvements. The There is no known tenant at the time of the writing of this document.

Additionally, an eight foot tall, approximately 568 foot long overlapping wall (three segments total), would be featured on the northern perimeter of the property, the length of which was determined by blocking the line-of-sight between the truck loading areas and the residences to the north of the project site. The wall contains a six foot access gap, which is overlapped by greater than 4x by the middle segment, providing the appropriate distance for effective mitigation. The wall construction schedule is to be determined.

1.4 Fundamentals of Noise and Vibration

The following is a brief discussion of fundamental noise concepts and terminology.

1.4.1 Sound, Noise, and Acoustics

Sound is a process that consists of three components: the sound source, sound path, and sound receiver. All three components must be present for sound to exist. Without a source to produce sound, there is no sound. Similarly, without a medium to transmit sound pressure waves, there is no sound. Finally, sound must be received; a hearing organ, sensor, or object must be present to perceive, register, or be affected by sound or noise. In most situations, there are many different sound sources, paths, and receptors rather than just one of each. Acoustics is the field of science that deals with the production, propagation, reception, effects, and control of sound. Noise is defined as sound that is loud, unpleasant, unexpected, or undesired.

1.4.2 Sound Pressure Levels and Decibels

The amplitude of a sound wave determines its loudness. Loudness of sound increases with increasing amplitude. Sound pressure amplitude is measured in units of micronewtons per square meter, also called micropascals. One micropascal is approximately one-hundred billionth (0.00000000001) of normal atmospheric pressure. The pressure of a very loud sound may be 200 million micropascals, or 10 million times the pressure of the weakest audible sound. Because expressing sound levels in terms of micropascals would be very cumbersome and the sensitivity of human hearing to changes in micropascals is rather coarse (e.g., a doubling of micropascals is just audible to most people), sound pressure level in logarithmic units is used instead to describe the ratio of actual sound pressure to a reference pressure squared. These units are called Bels. To provide a finer resolution, a Bel is subdivided into 10 decibels (dB).

1.4.3 A-Weighted Sound Level

Sound pressure level alone is not a reliable indicator of loudness. The frequency, or pitch, of a sound also has a substantial effect on how humans will respond. Although the intensity (energy per unit area) of the sound is a purely physical quantity, the loudness, or human response, is determined by the characteristics of the human ear.

Human hearing is limited not only in the range of audible frequencies, but also in the way it perceives the sound in that range. In general, the healthy human ear is most sensitive to sounds between 1,000 and 5,000 hertz, and it perceives a sound within that range as more intense than a sound of higher or lower frequency with the same magnitude. To approximate the frequency response of the human ear, a series of sound level adjustments is usually applied to the sound measured by a sound level meter. The adjustments (referred to as a weighting network) are frequency-dependent.

The A-scale weighting network approximates the frequency response of the average young ear when listening to ordinary sounds. When people make judgments about the relative loudness or annoyance of a sound, their judgments correlate well with the A-scale sound levels of those sounds. Other weighting networks have been devised to address high noise levels or other special situations (e.g., B-scale, C-scale, D-scale), but these scales are rarely used in conjunction with most environmental noise evaluations. Noise levels are typically reported in terms of A-weighted sound levels. All sound levels discussed in this report are A-weighted decibels (dBA). Examples of typical noise levels for common indoor and outdoor activities are depicted in Table 1.

Table 1. Typical Sound Levels in the Environment and Industry

Common Outdoor Activities	Noise Level (dB)	Common Indoor Activities
—	110	Rock band
Jet fly over at 300 meters (1,000 feet)	100	—
Gas lawn mower at 1 meter (3 feet)	90	—
Diesel truck at 15 meters (50 feet), at 80 kilometers per hour (50 miles per hour)	80	Food blender at 1 meter (3 feet); garbage disposal at 1 meter (3 feet)
Noisy urban area, daytime; gas lawn mower at 30 meters (100 feet)	70	Vacuum cleaner at 3 meters (10 feet)
Commercial area; heavy traffic at 90 meters (300 feet)	60	Normal speech at 1 meter (3 feet)
Quiet urban, daytime	50	Large business office; dishwasher next room
Quiet urban, nighttime	40	Theater; large conference room (background)
Quiet suburban, nighttime	30	Library
Quiet rural, nighttime	20	Bedroom at night; concert hall (background)
—	10	Broadcast/Recording studio
Lowest threshold of human hearing	0	Lowest threshold of human hearing

Source: Caltrans 2020.

1.4.4 Human Response to Changes in Noise Levels

Under controlled conditions in an acoustics laboratory, the trained, healthy human ear is able to discern changes in sound pressure levels of 1 dBA when exposed to steady, single-frequency signals in the mid-frequency range. Outside such controlled conditions, the trained ear can detect changes of 2 dBA in normal environmental noise. It is widely accepted that the average healthy ear, however, can barely perceive noise level changes of 3 dBA. A change of 5 dBA is readily perceptible, and a change of 10 dBA is *perceived* as twice (if a gain) or half (if a loss) as loud. A doubling of sound energy results in a 3 dBA increase in sound, which means that a doubling of sound energy (e.g., doubling the volume of traffic on a road) would result in a barely perceptible change in sound level.

1.4.5 Noise Descriptors

Additional units of measure have been developed to evaluate the long-term characteristics of sound. The energy-equivalent sound level (L_{eq}) is also referred to as the time-average sound level. It is the equivalent steady-state or constant sound level that in a stated period of time would contain the same acoustical energy as the time-varying sound level during the same time period. For instance, the 1-hour A-weighted equivalent sound level, $L_{eq(h)}$, is the energy average of the A-weighted sound levels occurring during a 1-hour period, and is the basis for most of the County Noise Ordinance standards.

People are generally more sensitive to and thus potentially more annoyed by noise occurring during the evening and nighttime hours. Hence, another noise descriptor used in community noise assessments—the community noise equivalent level (CNEL)—represents a time-weighted, 24-hour average noise level based on the A-weighted sound level. However, unlike an unmodified 24-hour L_{eq} value, the CNEL descriptor accounts for increased noise sensitivity during the evening (7 p.m. to 10 p.m.) and nighttime (10 p.m. to 7 a.m.) by adding 5 dBA and 10 dBA, respectively,

to the average sound levels occurring during these defined hours within a 24-hour period. Whereas CNEL is used mostly in California, the L_{dn} descriptor (day-night average noise level, which is the same as CNEL with the only exception of not including the 5 dBA evening correction) is used more often for environmental noise evaluations for federal projects.

1.4.6 Sound Propagation

Sound propagation (i.e., the traverse of sound from a noise emission source position to a receiver location) is influenced by multiple factors that include geometric spreading, ground absorption, atmospheric effects, and occlusion by natural terrain and/or features of the built environment.

Sound levels attenuate (or diminish) geometrically at a rate of approximately 6 dBA per doubling of distance from an outdoor stationary point-type source due to the spherical spreading of sound energy with increasing distance travelled. The effects of atmospheric conditions such as humidity, temperature, and wind gradients are typically distance-dependent and can also temporarily either increase or decrease sound levels measured or perceived at a receptor location. In general, the greater the distance the receiver is from the source of sound emission, the greater the potential for variation in sound levels at the receptor due to these atmospheric effects. Additional attenuation can result from sound path occlusion and diffraction due to intervention of natural (ridgelines, dense forests, etc.) and built features (such as solid walls, buildings, and other structures).

1.4.7 Groundborne Vibration Fundamentals

Groundborne vibration is fluctuating or oscillatory motion transmitted through the ground mass (i.e., soils, clays, and rock strata). The strength of groundborne vibration attenuates rapidly over distance. Some soil types transmit vibration quite efficiently; other types (primarily sandy soils) do not. Several basic measurement units are commonly used to describe the intensity of ground vibration. The descriptors used by the Federal Transit Administration (FTA) are peak particle velocity (PPV), in units of inches per second (ips), and velocity decibel (VdB) that is based on a root-mean square (RMS) of the vibration signal magnitude. The calculation to determine PPV at a given distance is as follows:

$$PPV_{distance} = PPV_{ref} * (25/D)^{1.5}$$

Where:

$PPV_{distance}$ = the peak particle velocity in inches per second of the equipment adjusted for distance

PPV_{ref} = the reference vibration level in inches per second at 25 feet

D = the distance from the equipment to the receiver

2 Regulatory Setting

2.1 Federal

2.1.1 Federal Transit Administration

In its Transit Noise and Vibration Impact Assessment guidance manual, the FTA recommends a daytime construction noise level threshold of 80 dBA L_{eq} over an 8-hour period (FTA 2018) when detailed construction noise assessments are performed to evaluate potential impacts to community residences surrounding a project. Although this FTA guidance is not a regulation, it can serve as a quantified standard in the absence of such noise limits at the state and local jurisdictional levels.

2.1.2 Federal Interagency Committee on Noise

Some guidance regarding the determination of a substantial permanent increase in ambient noise levels in the project vicinity above existing levels is provided by the 1992 findings of the Federal Interagency Committee on Noise (FICON 1992), which assessed the annoyance effects of changes in ambient noise levels resulting from aircraft operations. The FICON recommendations are based upon studies that relate aircraft and traffic noise levels to the percentage of persons highly annoyed by the noise. Annoyance is a qualitative measure of the adverse reaction of people to noise that generates speech interference, sleep disturbance, or interference with the desire for a tranquil environment.

The rationale for the FICON recommendations is that it is possible to consistently describe the annoyance of people exposed to transportation noise in terms of L_{dn}. The changes in noise exposure that are shown below are expected to result in equal changes in annoyance at sensitive land uses. Although the FICON recommendations were specifically developed to address aircraft noise impacts, they are used in this analysis to define a substantial increase in community noise levels related to all transportation noise sources and permanent non-transportation noise sources.

- Outdoor ambient sound level without the project is less than 60 dBA L_{dn}, then a project-attributed increase of 5 dBA or more would be considered significant;
- Outdoor ambient sound level without the project is between 60 and 65 dBA L_{dn}, project-attributed increase of 3 dBA or more would be considered significant; and
- Outdoor ambient sound level without the project is greater than 65 dBA L_{dn}, then project-attributed increase of 1.5 dBA or more would be considered significant.

2.2 State

2.2.1 California Code of Regulations, Title 24

Title 24 of the California Code of Regulations sets standards that new developments in California must meet. According to Title 24, interior noise levels are not to exceed 45 dBA CNEL in any habitable room (ICC 2019).

2.2.2 California Department of Health Services Guidelines

The California Department of Health Services has developed guidelines of community noise acceptability for use by local agencies (OPR 2017). Selected relevant levels are listed here:

- Below 60 dBA CNEL: normally acceptable for low-density residential use
- 50 to 70 dBA CNEL: conditionally acceptable for low-density residential use
- Below 65 dBA CNEL: normally acceptable for high-density residential use and transient lodging
- 60 to 70 dBA CNEL: conditionally acceptable for high-density residential, transient lodging, churches, educational, and medical facilities

The normally acceptable exterior noise level for high-density residential use is up to 65 dBA CNEL. Additionally, this exterior noise level limit is consistent with the City of Santee General Plan Noise Element, which considers multi-family unit noise-sensitive land uses.

2.2.3 California Department of Transportation

In its Transportation and Construction Vibration Guidance Manual (Caltrans 2020), the California Department of Transportation (Caltrans) recommends 0.5 ips PPV as a threshold for the avoidance of structural damage to typical newer residential buildings exposed to continuous or frequent intermittent sources of groundborne vibration. For transient vibration events, such as blasting, the damage risk threshold would be 1.0 ips PPV (Caltrans 2020) at the same type of newer residential structures. For older structures, these guidance thresholds would be more stringent: 0.3 ips PPV for continuous/intermittent vibration sources, and 0.5 ips PPV for transient vibration events. With respect to human annoyance, Caltrans guidance indicates that building occupants exposed to continuous groundborne vibration in the range of 0.2-0.6 ips PPV would find it “unpleasant or “annoying” and thus a likely significant impact. Although these Caltrans guidance thresholds are not regulations, they can serve as quantified standards in the absence of such limits at the local jurisdictional level.

2.3 Local

2.3.1 City of Santee Noise Level Compatibility Standards

The Noise Element of the City’s General Plan (City of Santee 2003) establishes target maximum noise levels in the City, categorized by land use. The Noise Element sets the following limitations on noise levels for receiving properties adjacent to the project site. Figure 3 contains the Noise / Land Use Compatibility Guide from the General Plan Noise Element, which establishes a maximum noise level of 65 dBA L_{dn} for noise-sensitive land uses and 75 dBA L_{dn} for industrial land uses.

2.3.2 Transportation-Related Noise Standards

The City's Noise Element establishes a policy for exterior sensitive areas to be protected from high traffic noise levels. The Noise Element sets 65 dBA L_{dn} for exterior noise levels and 45 dBA L_{dn} for interior noise levels as the "normally acceptable" level.

For interior noise, the Noise Element also establishes 45 dBA L_{dn} as the maximum acceptable level for habitable rooms when exterior predicted noise levels due to traffic are 65 dBA L_{dn} or more. If windows and doors are required to be closed to meet this standard, then mechanical ventilation (i.e., air conditioning) shall be included in the project design.

2.3.3 Noise Element Objectives and Policies

The Noise Element contains a section on the noise abatement and control objectives and policies for the City, a selection of which are presented here.

Objective 1.0 Control noise from sources adjacent to residential, institutional and other noise-sensitive receptors.

Policy 1.1. The City shall support a coordinated program to protect and improve the acoustical environment of the City including development review for new public and private development and code compliance for existing development.

Policy 1.2. The City shall utilize noise studies and noise contour maps when evaluating development proposals during the discretionary review process.

Policy 1.3. The City shall enforce motor vehicle laws and standards as appropriate, related to traffic flow and speed, in an effort to reduce noise along roadways experiencing high noise levels.

Policy 1.4. The City shall promote alternative sound attenuation measures rather than traditional wall barriers wherever feasible; these may include glass or polycarbonate walls, berms, landscaping, and the siting of noise-sensitive uses on a parcel away from the roadway or other noise source.

Policy 1.5. The City shall review future projects with particular scrutiny regarding the reduction of unnecessary noise near noise-sensitive areas such as hospitals, schools, parks, etc.

Policy 1.6. The City shall continue to monitor noise throughout Santee and enforce the standards and regulations of the City's Noise Ordinance.

Policy 1.15. The City shall encourage Caltrans to recognize and implement the City's noise standards for planned and future freeway projects in the City.

Policy 1.16. The City shall ensure that appropriate regulations and standards are incorporated into the City's development policies and ordinances, including the use of noise evaluations in Environmental Impact Reports and statements, which take all aspects of noise into consideration.

Policy 1.17. The City shall officially support the control of noise through legal regulations and cooperative government efforts.

Objective 2.0 Ensure that future developments will be constructed to minimize interior and exterior noise levels.

Policy 2.1. The City shall adhere to planning guidelines and building codes which include noise control for the exterior and interior living space of all new residential developments within noise impacted areas.

Policy 2.2. The City should require new development to mitigate noise impacts to existing uses resulting from new development when: 1) such development adds traffic to existing City streets that necessitates the widening of the street; and 2) the additional traffic generated by the new development causes the noise standard or significance thresholds to be exceeded.

Policy 2.3. The City should not require new development to mitigate noise impacts to existing uses when the new development only adds traffic already anticipated by the City's General Plan to an existing street, but does not necessitate widening of that street.

City of Santee Noise Ordinance

Construction activities are subject to Section 5.04.090 of the City's Noise Ordinance, which specifically prohibits the operation of any single or combination of powered construction equipment at any construction site on Mondays through Thursday except between the hours of 7:00 a.m. and 7:00 p.m. Further, construction equipment with a manufacturer's noise rating of 85 dBA L_{max} or greater may only operate at a specific location for 10 consecutive workdays. A notice must be provided to all property owners within 300 feet if work is scheduled for more than 10 days and must be provided no later than 10 days prior to the start of the construction.

3 Existing Conditions

3.1 Noise Measurement Surveys

Sound pressure level (SPL) measurements were conducted near the proposed project site on March 25, 2023, to quantify and characterize the existing outdoor ambient sound levels. Another set of SPL measurements were conducted near the proposed project site on March 18 and 19, 2024, to help further characterize the existing outdoor noise levels for the single-family residences located north of the San Diego River.

Table 2 provides the location and time period at which these baseline noise level measurements were performed by an attending Dudek field investigator. The March 2023 measurements were conducted using a Rion-branded Model NL-52 sound level meter (SLM) equipped with a 0.5-inch, pre-polarized condenser microphone with pre- amplifier. The SLM meets the current American National Standards Institute standard for a Type 1 (Precision Grade) sound level meter, while the March 2024 measurements were made using a a SoftdB "Piccolo" model sound level meter equipped with a windscreen-protected, 0.5-inch diameter pre-polarized condenser microphone with pre-amplifier. The sound level meter meets the current American National Standards Institute (ANSI) standard for a Type 2 (General Use) sound level meter.

The accuracy of the SLM was verified using a field calibrator before and after the measurements, and the measurements were conducted with the microphone positioned approximately 5 feet above the ground.

Five (5) short-term (ST) noise level measurement locations (ST1–ST5) that represent existing noise-sensitive receivers were selected on and near the proposed project site. These locations are depicted as receivers ST1–ST5 on Figure 4. The measured L_{eq} and L_{max} noise levels are provided in Table 2. The primary noise sources at the sites identified in Table 2 consisted of traffic along adjacent roadways, aircraft, the sounds of leaves rustling, conversations, and birdsong during the daytime, and frog noise at night. As shown in Table 2, the measured daytime SPL ranged from 53.1 dBA L_{eq} at ST4 to 76.8 dBA L_{eq} at ST1 and the measured nighttime SPL ranged from 50.2 at ST2 to 51.2 at ST5. Beyond the summarized information presented in Table 2, detailed noise measurement data is included in Appendix A.

Table 2. Measured Baseline Outdoor Ambient Noise Levels

Site	Location/Address	Time	L_{eq} (dBA)	L_{max} (dBA)
ST1	East of Woodside Avenue at Shadow Hill Apartments	2023-03-25, 9:01 AM to 9:06 AM	76.8	84.3
ST2	Cul-de-sac of Hillcreek Way	2023-03-25, 9:25 AM to 9:35 AM	55.6	66.8
	South from the cul-de-sac of Hillcreek Way, along Walker Preserve Trail	2024-03-19, 1:14 PM to 2:14 PM	53.8	75.5
		2024-03-18, 8:21 PM to 9:21 PM	50.2	73.9
ST3	Southern project boundary	2023-03-25, 10:25 AM to 10:35 AM	60.3	75.5
ST4	Walker Preserve Trail, northwest of project boundary	2023-03-25, 9:45 AM to 10:00 AM	53.1	71.2

Table 2. Measured Baseline Outdoor Ambient Noise Levels

Site	Location/Address	Time	L_{eq} (dBA)	L_{max} (dBA)
		2024-03-19, 1:22 PM to 2:22 PM	54.1	75.4
		2024-03-18, 8:28 PM to 9:28 PM	50.5	64.1
ST5	Walker Preserve Trail, north of project boundary	2024-03-19, 1:29 PM to 2:29 PM	55.2	75.9
		2024-03-18, 8:40 PM to 9:40 PM	51.2	58.2

Source: Appendix A.
Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); L_{max} = maximum sound level during the measurement interval; dBA = A-weighted decibels; ST = short-term noise measurement locations.

Generally, the measured samples of daytime L_{eq} agree with expectations: ST1 and ST3 L_{eq} values are above 60 dBA due largely to their proximity to Highway 67. ST2, ST4, and ST5, however, are in residential and trail areas north of the proposed project and are more distant from these sources of traffic noise, which results in a substantially lower sampled L_{eq} value. Noise measurements were not conducted during time periods when the drive-in/swap meet was operating. Therefore, the ambient noise level measurements conducted for the project are likely lower than ambient noise levels when the drive-in is operational.

3.2 Sensitive Receptors

Noise- and vibration-sensitive land uses are locations where people reside or where the presence of unwanted sound could adversely affect the use of the land. Residences, schools, hospitals, guest lodging, libraries, and some passive recreation areas would be considered noise and vibration sensitive and may warrant unique measures for protection from intruding noise.

The closest sensitive receptors in the vicinity of the Project site are the nearest existing residences located as close as 310 feet from the Project driveway south of North Woodside Avenue and 650 feet north of the Project boundary.

4 Thresholds of Significance

The following significance criteria are based on Appendix G of the California Environmental Quality Act Guidelines (14 CCR 15000 et seq.) and will be used to determine the significance of potential noise and vibration impacts. Impacts associated with noise and vibration would be significant if the proposed project would result in:

- Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.
- Generation of excessive groundborne vibration or groundborne noise levels.
- Exposing people residing or working in the project area to excessive noise levels (for a project located within the vicinity of a private airstrip or an airport land use plan, or where such a plan has not been adopted, within 2 miles of a public airport or public use airport).

In light of these above significance criteria, this analysis uses the following standards to evaluate potential noise and vibration impacts.

- Construction noise –The apparent proximity of existing residential receptors located south of the North Woodside Avenue suggests that source-to-receiver distances are a minimum of approximately 310 feet. Additionally, most construction equipment and vehicles on a project site do not operate continuously. Therefore, consistent with the FTA guidance mentioned in Section 2 (Regulatory Setting), this analysis will use 80 dBA L_{eq} over an 8-hour period as the construction noise impact criterion during daytime hours (7:00 a.m. to 7:00 p.m.).
- Off-site project-attributed transportation noise – For purposes of this analysis, a noise impact due to transportation noise would be considered significant if predicted noise levels exceeded the FICON thresholds noted in Section 2.1.2. More specifically, an impact due to the project contribution to existing and future predicted ambient noise levels would be considered significant if it meets the following criteria:
    - Outdoor ambient sound level without the project is less than 60 dBA L_{dn}, then a project-attributed increase of 5 dBA or more would be considered significant;
    - Outdoor ambient sound level without the project is between 60 and 65 dBA L_{dn}, project-attributed increase of 3 dBA or more would be considered significant; and
    - Outdoor ambient sound level without the project is greater than 65 dBA L_{dn}, then project-attributed increase of 1.5 dBA or more would be considered significant.
- Off-site project-attributed stationary noise – For purposes of this analysis, a noise impact would be considered significant if noise from typical operation of heating, ventilation, and air conditioning (HVAC), truck movements, and other electro-mechanical systems associated with the proposed project exceeded 75 dBA L_{dn} at the property line. Note that these are the City's thresholds for the industrial zones that characterize the proposed project site. For residential land uses near the project site, a noise impact would be considered significant if noise from typical operations exceeds 65 dBA L_{dn}.
- Construction vibration – Guidance from Caltrans indicates that a vibration velocity level of 0.2 ips PPV received at a structure would be considered annoying by occupants within (Caltrans 2013). As for the

receiving structure itself, aforementioned Caltrans guidance from Section 2 recommends that a vibration level of 0.3 ips PPV would represent the threshold for building damage risk.

5 Impact Discussion

Potential noise and vibration impacts attributed to project construction and operation are studied in the following subsections that are categorized by the CEQA Guidelines Appendix G significance for noise.

a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Short-Term On-Site Construction Noise

Less Than Significant. Construction noise and vibration are temporary phenomena, with emission levels varying from hour to hour and day to day, depending on the equipment in use, the operations performed, and the distance between the source and receptor. Equipment that would be in use during construction would include, in part, graders, backhoes, rubber-tired dozers, loaders, cranes, forklifts, pavers, rollers, and air compressors. The typical maximum noise levels at a distance of 50 feet from various pieces of construction equipment and activities anticipated for use on the proposed project site are presented in Table 3. Note that the equipment noise levels presented in Table 3 are maximum noise levels. Usually, construction equipment operates in alternating cycles of full power and low power, producing average noise levels over time that are less than the maximum noise level. The average sound level of construction activity also depends on the amount of time that the equipment operates and the intensity of construction activities during that time.

Table 3. Typical Construction Equipment Maximum Noise Levels

Equipment Type	Typical Equipment (L_{max}, dBA at 50 Feet)
All Other Equipment > 5 HP	85
Backhoe	78
Compressor (air)	78
Concrete Saw	90
Crane	81
Dozer	82
Excavator	81
Flat Bed Truck	74
Front End Loader	79
Generator	72
Grader	85
Man Lift	75
Paver	77
Roller	80
Scraper	84
Welder / Torch	73

Source: DOT 2006.
Note: L_{max} = maximum sound level; dBA = A-weighted decibels.

Aggregate noise emission from proposed project construction activities, broken down by sequential phase, was predicted at two evaluation distances to the nearest existing noise-sensitive receptor: 1) from the nearest position of the construction site boundary and 2) from the geographic center of the construction site, which serves as the time-averaged location or geographic *acoustical centroid* of active construction equipment for the phase under study. The intent of the former distance is to help evaluate anticipated construction noise from equipment or vehicle activity expected to be at the boundary for some period of time, which would be most appropriate for phases such as site preparation, grading, and paving. The latter distance is used in a manner similar to the general assessment technique as described in the FTA guidance for construction noise assessment, when the location of individual equipment for a given construction phase is uncertain over some extent of (or the entirety of) the construction site area. In this studied scenario, because of the equipment location uncertainty, all the equipment for a construction phase is assumed to operate—on average—from the acoustical centroid position. Table 4 summarizes these two distances to the apparent closest noise-sensitive receptor for each of the six sequential construction phases. At the site boundary, this analysis assumes that all equipment of each listed type per phase will be involved in the construction activity for the full 8-hour period. For the acoustical centroid case, which intends to be a geographic average position for all equipment during the indicated phase, this analysis assumes that the equipment may be operating up to all 8 hours per day.

Table 4. Estimated Distances between Construction Activities and the Nearest Noise-sensitive Receptors

Construction Phase (and Equipment Types Involved)	Distance from Nearest Noise-Sensitive Receptor to Construction Site Boundary (Feet)	Distance from Nearest Noise-Sensitive Receptor to Acoustical Centroid of Site (Feet)
Demolition (concrete saw, excavator, dozer)	310	990
Site Preparation (dozer, front end loader)	310	990
Grading (excavator, grader, dozer, scraper backhoe)	310	990
Building construction (crane, man-lift, generator, backhoe, welder)	310	990
Paving (paver, roller, concrete mixer truck)	310	990
Architectural Coating (compressor)	310	990

A Microsoft Excel–based noise prediction model emulating and using reference data from the Federal Highway Administration Roadway Construction Noise Model (RCNM) (FHWA 2008) was used to estimate construction noise levels at the nearest occupied noise-sensitive land use. Although the RCNM was funded and promulgated by the Federal Highway Administration, it is often used for non-roadway projects, because the same types of construction equipment used for roadway projects are often used for other types of construction. Input variables for the predictive modeling consist of the equipment type and number of each (e.g., two graders, a loader, a tractor), the duty cycle for each piece of equipment (e.g., percentage of time within a specific time period, such as an hour, when

the equipment is expected to operate at full power or capacity and thus make noise at a level comparable to what is presented in Table 3), and the distance from the noise-sensitive receiver. The predictive model also considers how many hours that equipment may be on-site and operating (or idling) within an established work shift. Conservatively, no topographical or structural shielding was assumed in the modeling. The RCNM has default duty-cycle values for the various pieces of equipment, which were derived from an extensive study of typical construction activity patterns. Those default duty-cycle values were used for this noise analysis, which is detailed in Appendix B, and produced the predicted results displayed in Table 5.

Table 5. Predicted Construction Noise Levels per Activity Phase

Construction Phase (and Equipment Types Involved)	8-Hour L_{eq} at Nearest Noise-Sensitive Receptor to Construction Site Boundary (dBA)	8-Hour L_{eq} at Nearest Noise-Sensitive Receptor to Acoustical Centroid of Site (dBA)
Demolition (concrete saw, excavator, dozer)	66.5	55.3
Site Preparation (dozer, front end loader)	64.3	53.1
Grading (excavator, grader, dozer, scraper backhoe)	67.0	55.8
Building construction (crane, man-lift, generator, backhoe, welder)	60.8	49.5
Paving (paver, roller, concrete mixer truck)	60.6	49.3
Architectural Coating (compressor)	52.5	41.2

Notes: L_{eq} = equivalent noise level; dBA = A-weighted decibels.

As presented in Table 5, the highest estimated construction noise levels are predicted to stay below 67 dBA L_{eq} over an 8-hour period at the nearest existing residences (located south of North Woodside Avenue and as close as 310 feet from the project driveway) when grading activities take place near the project driveway. Residences further afield, such as those to the north of the project site, would be predicted to have lower construction noise levels than those shown in Table 5. Additionally, the nearest existing residences to the south are dominated by traffic noise from SR-67, and intervening barriers and terrain were not considered in the model. As a result, short-term construction noise is predicted to be well below the FTA guidance of 80 dBA L_{eq} over an 8-hour period, and therefore is less than significant.

Short-Term Off-Site Construction Noise

Less Than Significant. The project would result in local, short-term increases in roadway noise as a result of construction traffic. Based on information developed as part of the project's air quality analysis, project-related traffic would include workers commuting to and from the project site as well as vendor and haul trucks bringing or removing materials. The highest number of average daily worker trips would be 122 trips, occurring during the building construction phase. The highest number of average daily vendor truck trips would be 48 trips, also occurring during the building construction phase. The highest number of total haul truck trips would be 6675 trips, occurring during the demolition phase over a period of 25 days. Based upon available data provided in the project Transportation Technical Memorandum, existing Average Daily Traffic (ADT) volumes were

combined with the construction truck haul trips (an average of 275 haul trucks per day) and truck percentages found in the project Transportation Technical Memorandum were derived to include the increase in heavy trucks and applied to all of the studied roadway ADTs to determine the potential noise level increase due to construction noise. Aside from the project driveway, it is not known which roadways will be used to route construction traffic. Therefore, applying the average of 275 haul trucks per day to all studied project roadway ADTs represents an extremely conservative prediction methodology.

The change in roadway noise levels was predicted for two conditions: existing and existing plus average daily haul truck construction traffic. Traffic noise levels were calculated for roadway segments bounded by intersections within the project area and are listed as follows:

- Project Driveway – From N. Woodside Avenue to the Project;
- Wheatlands Avenue – From N. Woodside Avenue to Wheatlands Road;
- N. Woodside Avenue – From Wheatlands Avenue to Woodside Avenue (combined north/south split);
- Woodside Avenue – From Magnolia Avenue to the Woodside Avenue north/south split;
- Magnolia Avenue – From Woodside Avenue to SR-52; and
- SR-67.

Based upon the FICON thresholds presented in Section 2.1.2 above, an increase of less than 5 dBA when the ambient sound level is less than 60 dBA L_{dn}/CNEL, less than 3 dBA when the ambient sound level is between 60 and 65 dBA L_{dn}/CNEL, or less than 1.5 dBA when the ambient sound level is greater than 65 dBA L_{dn}/CNEL would not be significant. Utilizing the traffic noise modeling worksheets found in Appendix C, Table 6 shows that the highest predicted change in traffic noise level (the project driveway) combined with the roadways surrounding the immediate project site are predicted to experience an aggregate total traffic noise level of 85 dBA at 50 feet for the existing condition with a predicted increase of less than 1 dBA due to the project contribution. Although the aggregate predicted "with project construction traffic" condition is greater than the City limit as summarized in Section 2.3.3.1, the predicted "without project construction traffic" level at the nearest sensitive receivers is also greater than the City limit, with a predicted "with project" increase of less than 1 dBA, which is less than the FICON 1.5 dBA threshold when the ambient sound level is greater than 65 dBA L_{dn}/CNEL, and would be considered imperceptible to the average person. Additionally, although the increase in noise level for the project driveway is greater than 5 dBA and therefore higher than the FICON thresholds and perceptible to the average person, there are no noise-sensitive receptors adjacent to the project driveway; the nearest noise-sensitive receptors to the south of the project are already dominated by much higher levels of traffic noise from nearby adjacent roadways such as SR-67. Therefore, potential impacts at existing off-site noise-sensitive land uses along roadway segments identified in Table 6 and with respect to project-generated temporary construction traffic to existing traffic noise would be less than significant.

Table 6. Predicted Construction Traffic Noise Levels

Modeled Roadway Segment	From	To	Existing (dBA CNEL)	Existing Plus Project Construction Traffic (dBA CNEL)	Delta (dBA)
Project Driveway	N. Woodside Avenue	Project	50.38	60.26	9.88
Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	61.82	63.93	2.11
N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	67.76	68.70	0.95
Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	77.40	77.54	0.14
Magnolia Avenue	Woodside Avenue	SR-52	77.15	77.27	0.12
SR-67			83.50	83.55	0.05
Aggregate Total @ 50 Feet			**85.29**	**85.41**	**0.12**
Project Driveway, Wheatlands Avenue, SR-67 Segment Aggregate Total @ 50 Feet			**83.64**	**83.76**	**0.11**

Best Practices for Limiting Construction Noise

Despite the construction noise analysis above showing that the impact to noise-sensitive receivers would be less than significant, the following is a list of best practices for limiting construction noise that should be implemented by the contractor:

- The project contractor shall, to the extent feasible, schedule construction activities to avoid concurrent operation of several pieces of construction equipment proximate to an offsite noise-sensitive receptor.
- All construction equipment, fixed or mobile, shall be equipped with properly operating and maintained mufflers.
- Construction noise reduction methods such as shutting off idling equipment, maximizing the distance between construction equipment staging areas and adjacent residences, and use of electric air compressors and similar power tools, rather than diesel equipment, shall be used where feasible.
- Construction hours, allowable workdays, and the phone number of the job superintendent shall be clearly posted at all construction entrances to allow surrounding property owners to contact the job superintendent if necessary. In the event the City receives a complaint, appropriate corrective actions shall be implemented, and a report of the action provided to the reporting party.

Long-Term Operational Noise

Off-Site Traffic Noise Exposure

The project is expected to generate an additional 1,440 average daily trips to the roadway system, as shown in Table 1 of the project's Transportation Technical Memorandum. During the afternoon (PM) peak-hour (the highest of the AM and PM peak hours), approximately 148 passenger car equivalent vehicles are estimated to enter or exit the project site. Utilizing this information as well as additional traffic data provided in Appendix C, of this technical report, the FHWA's Highway Traffic Noise Prediction Model RD-77-108 was used to estimate potential noise impacts at adjacent noise-sensitive uses. Information used in the model included Average Daily Traffic (ADT), posted traffic speeds, truck mix percentage, and day/evening/night mix percentage.

Consistent with Caltrans guidance (Caltrans 2013), this analysis assumes 80% of the ADT occurs during daytime hours (7:00 a.m. to 7:00 p.m.), 5% during the evening (7:00 p.m. to 10:00 p.m.), and 15% during the nighttime (10:00 p.m. to 7:00 a.m.). The future modeled traffic speed was assumed to be the anticipated speed limit for the studied future roads, which is 45 miles per hour (mph) for Woodside Avenue, 40 mph for N. Woodside Avenue and Magnolia Avenue, and 25 mph for Wheatlands Avenue and the project driveway. The truck percentages used in the noise model were 4.6% medium trucks and 22.9% heavy trucks. This truck mix is based on the project trip truck percentages from Table 1 of the project's Transportation Technical Memorandum.

The change in roadway noise levels was predicted for two conditions: existing, near-term, and horizon year 2035 plus project. Traffic noise levels were calculated for roadway segments bounded by intersections within the project area and are listed as follows:

Project Driveway – From N. Woodside Avenue to the Project;
- Wheatlands Avenue – From N. Woodside Avenue to Wheatlands Road;
- N. Woodside Avenue – From Wheatlands Avenue to Woodside Avenue (combined north/south split);
- Woodside Avenue – From Magnolia Avenue to the Woodside Avenue north/south split;
- Magnolia Avenue – From Woodside Avenue to SR-52; and
- SR-67 (project trip traffic was not available for this roadway).

Based upon the FICON thresholds presented in Section 2.1.2 above, an increase of less than 5 dBA when the ambient sound level is less than 60 dBA L_{dn}/CNEL, less than 3 dBA when the ambient sound level is between 60 and 65 dBA L_{dn}/CNEL, or less than 1.5 dBA when the ambient sound level is greater than 65 dBA L_{dn}/CNEL would not be significant. Utilizing the traffic noise modeling worksheets found in Appendix C, Table 7 shows that the highest predicted change in traffic noise level (the project driveway) combined with the roadways surrounding the immediate project site are predicted to experience an aggregate total traffic noise level of 84 dBA at 50 feet for the horizon year 2035 condition with a predicted increase of less than 1 dBA due to the project contribution. Although the aggregate predicted "with project" condition is greater than the City limit as summarized in Section 2.3.3.1, the predicted "without project" level at the nearest sensitive receivers is also greater than the City limit, with a predicted "with project" increase of less than 1 dBA, which is less than the FICON 1.5 dBA threshold when the ambient sound level is greater than 65 dBA L_{dn}/CNEL, and would be considered imperceptible to the average person. Additionally, although the increase in noise level for the project driveway is greater than 5 dBA and therefore higher than the FICON thresholds and perceptible to the average person, there are no noise-sensitive receptors adjacent to the project driveway; the nearest noise-sensitive receptors to the south of the project are already dominated by much

higher levels of traffic noise from nearby adjacent roadways such as SR-67, while noise-sensitive receptors to the north of the project are occluded from the project driveway by intervening buildings and terrain. Therefore, potential impacts at existing off-site noise-sensitive land uses along roadway segments identified in Table 7 and with respect to project-generated changes to future traffic noise would be less than significant.

Table 7. Predicted Traffic Noise Levels

Modeled Roadway Segment	From	To	Existing (dBA CNEL)	Existing Plus Project (dBA CNEL)	Delta (dBA)	Near-Term (dBA CNEL)	Near-Term Plus Project (dBA CNEL)	Delta (dBA)	Horizon 2035 (dBA CNEL)	Horizon 2035 Plus Project (dBA CNEL)	Delta (dBA)
Project Driveway	N. Woodside Avenue	Project	50.38	61.62	11.24	50.38	61.62	11.24	50.38	61.62	11.24
Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	61.82	61.82	0.00	61.82	61.82	0.00	67.10	67.10	0.00
N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	67.76	69.05	1.29	68.46	69.58	1.12	73.19	73.33	0.14
Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	77.4	77.60	0.20	77.50	77.70	0.20	78.70	78.75	0.05
Magnolia Avenue	Woodside Avenue	SR-52	77.15	77.27	0.12	77.34	77.46	0.12	77.72	77.76	0.04
SR-67			83.50	82.5	0.00	84.15	84.15	0.00	84.39	84.39	0.00
Aggregate Total @ 50 Feet			**85.29**	**85.39**	**0.10**	**85.79**	**85.87**	**0.09**	**86.38**	**86.41**	**0.03**
Project Driveway, Wheatlands Avenue, SR-67 Segment Aggregate Total @ 50 Feet			**83.64**	**83.71**	**0.06**	**84.29**	**84.35**	**0.05**	**84.78**	**84.81**	**0.03**

Source: Appendix C.

Project Sound Sources

On-site Outdoor Mechanical Equipment

The completion of the building will add a variety of noise-producing mechanical equipment that include those presented and discussed in the following paragraphs. Most of these noise-producing equipment or sound sources would be considered stationary or limited in mobility to a defined area.

Prediction Method and Parameters

The aggregate noise emission from these outdoor-exposed sound sources has been predicted with the Datakustik CadnaA sound propagation program. CadnaA is a commercially available software program for the calculation, presentation, assessment, and prediction of environmental noise based on algorithms and reference data per International Organization of Standardization (ISO) Standard 9613-2, "Attenuation of Sound During Propagation Outdoors, Part 2: General Method of Calculation" (ISO 1996). The CadnaA computer software allows one to position sources of sound emission in a simulated three-dimensional (3-D) space having heights and footprints consistent with project architectural plans and elevations. In addition to the above-mentioned sound source inputs and building-block structures that define the three-dimensional sound propagation model space, the following assumptions and parameters are included in this CadnaA-supported stationary noise source assessment:

- Ground effect acoustical absorption coefficient equal to 0.5, which intends to represent an average or blending of ground covers that are characterized largely by hard reflective pavements and existing building surfaces across the project site and the surroundings;
- Reflection order of 1, which allows for a single reflection of sound paths on encountered structural surfaces such as the modeled building masses;
- Off-site residential structures and buildings have not been rendered in the model;
- An 8' tall, 568' long overlapped barrier was modeled on the northern perimeter of the project site;
- Calm meteorological conditions (i.e., no wind) with 68 degrees Fahrenheit and 50% relative humidity; and
- All of the modeled noise sources are operating concurrently and continuously for a minimum period of 1 hour.

Based on the available plans and other design information, the proposed project building would be served by roof-mounted air-conditioning equipment that includes outdoor-exposed packaged air-handling units and air-cooled condensers (ACC) that provide the expected cooling demand (expressed as refrigeration "tonnage") for a building. The following are descriptions of modeled sound sources, with Table 8 exhibiting modeled sound power level (PWL) data at octave-band center frequency (OBCF) resolution. Detailed information supporting these summary descriptions and quantities appear in Appendix D.

Table 8. Modeled Sound Power Levels (PWL) for Stationary Sources (HVAC)

Building	Sound Source	Overall L_{eq} (dBA)	A-Weighted dB at Octave Band Center Frequency (OBCF, Hz)								
			32.5	63	125	250	500	1000	2000	4000	8000
1	Air Handling	93	74	74	86	87	88	85	78	72	67
	Air Conditioning	98	74	74	81	88	92	91	91	89	80

The HVAC reference sound levels were calculated from a combination of inputs that include square footage values for the proposed project's proposed office spaces, project applicant response to data requests, and manufacturer sound power level data. For the analysis of noise from HVAC equipment operation, eight air conditioning units were modeled on the rooves of the project building.

Other Stationary Noise Sources

The proposed project building may feature other noise emitters, but their contributions would tend to be sporadic or otherwise occur infrequently and thus be expected to have no greater acoustic contribution to an hourly L_{eq} than the continuous-type HVAC noise studied herein.

Loading Dock Noise Sources

The proposed project building also features loading dock areas for the loading and unloading of heavy trucks. Onsite loading dock noise was calculated for a single heavy truck pass by (Salter 2014) and extrapolated based upon the number of heavy trucks entering or exiting the facility during the peak hour. Backup alarms are also included in the truck noise level calculations. Loading dock data were subsequently entered into the CadnaA model for the prediction of stationary operations noise levels. Detailed information supporting the calculation of daytime and nighttime loading dock noise be found in Appendix D.

Prediction Results

An operational scenario of the proposed project was modeled that assumes all the HVAC equipment is operating simultaneously for a minimum period of one hour along with peak hour truck movements in the loading dock areas. Figure 5, Predicted Daytime Onsite Operations Noise Contours, displays the predicted noise contours associated with aggregate sound propagation from operating HVAC and peak daytime loading dock sound sources. An additional operational scenario of the proposed project was modeled to predict a hypothetical nighttime scenario, where all the HVAC equipment is operating simultaneously for a minimum period of one hour, but the peak hour truck movement is reduced to 25% of the peak for each docking area. Figure 6, Predicted Nighttime Onsite Operations Noise Contours, displays the predicted noise contours associated with aggregate sound propagation from operating HVAC and nighttime loading dock sound sources.

Figures 5 and 6 illustrate predicted aggregate SPL propagation solely from operation of the proposed project stationary sound sources as described herein. The color-coded annular bands of SPL are calculated across a field parallel with and five (5) feet above local grade.

Based on the noise level contours appearing in Figures 5 and 6, the proposed project is predicted to be up to 67 dBA L_{eq} in the daytime and 60 dBA L_{eq} in the nighttime for a calculated L_{dn} of 68 dBA at the adjacent industrial land uses and is therefore expected to be lower than and thus comply with the City's 75 dBA L_{dn} threshold for industrial land uses. Further, the proposed project is predicted to be up to 40 dBA L_{eq} in the daytime and 35 dBA L_{eq} in the nighttime for a calculated L_{dn} of 43 dBA at the noise-sensitive receptors to the north of the project site and up to 43 dBA L_{eq} in the daytime and 38 dBA L_{eq} in the nighttime for a calculated L_{dn} of 46 dBA at the noise-sensitive receptors to the south of the project site, both of which are therefore predicted to be lower than and thus comply with the City's 65 dBA L_{dn} threshold for residential land uses.

Table 2 shows existing background sound levels in the natural habitat area to the north of the project site in the 50 to 56 dBA L_{eq} range, while Figures 5 and 6 show maximum predicted operational noise levels in the 35 to 45 dBA range in the same area. Therefore, project-related operational noise levels are predicted to be less than the current sound levels in the natural habitat area closest to the project site by a factor of 5 to 21 dBA. It should be noted that these predictions include the assumption of an 8' tall, 568' long overlapped barrier on the northern perimeter of the project site.

On-site Parking Activity

Less Than Significant Impact. A comprehensive study of noise levels associated with surface parking lots was published in the Journal of Environmental Engineering and Landscape Management (Baltrënas et al. 2004). The study found that average noise levels for parking lots of similar size during the peak period of use of the parking lot (generally in the morning with arrival of commuters, and in the evening with the departure of commuters), was 47 dBA L_{eq} at 1 meter (3.28 feet) from the outside boundary of the parking lot. The parking areas would function as point sources for noise, which means that noise would attenuate at a rate of 6 dBA with each doubling of distance. Employee parking spaces are proposed to be distributed throughout the project site adjacent to the warehouse/office building, no closer than 700 feet from the edge of the closest parking space to the nearest residences to the north. At a distance of 700 feet, parking space noise levels would not be audible to the human ear at the nearest residences. The combination of the parking space noise (<2 dBA L_{eq}) and the predicted stationary operation level (43 dBA L_{eq} at the nearest receptor) would be 43 dBA L_{eq}[1], which would be well below the applicable limits (i.e. 65 dBA L_{dn} for residential receptors). Therefore, impacts associated with parking noise would be less than significant.

b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant Impact. Construction activities may expose persons to excessive groundborne vibration or groundborne noise, causing a potentially significant impact. Caltrans has collected groundborne vibration information related to construction activities (Caltrans 2020). Information from Caltrans indicates that continuous vibrations with a PPV of approximately 0.2 ips is considered annoying. For context, heavier pieces of construction equipment, such as a bulldozer that may be expected on the project site, have peak particle velocities of approximately 0.089 ips or less at a reference distance of 25 feet (DOT 2006).

Groundborne vibration attenuates rapidly, even over short distances. The attenuation of groundborne vibration as it propagates from source to receptor through intervening soils and rock strata can be estimated with expressions found in FTA and Caltrans guidance. By way of example, for a bulldozer operating on-site and as close as the northern project boundary (i.e., 310 feet from the nearest occupied property), the estimated vibration velocity would be 0.0006 ips per the equation as follows (FTA 2006):

$$PPV_{rcvr} = PPV_{ref} * (25/D)^{1.5} = 0.002 = 0.089 * (25/310)^{1.5}$$

In the above equation, PPV_{rcvr} is the predicted vibration velocity at the receiver position, PPV_{ref} is the reference value at 25 feet from the vibration source (the bulldozer), and D is the actual horizontal distance to the receiver. Therefore,

1 Because noise levels are summed in the energy (that is, the logarithmic) domain, a noise level that is 10 decibels or more lower than another noise level becomes negligible, because the sound energy from the higher noise source is completely dominant.

at this predicted PPV, the impact of vibration-induced annoyance to occupants of nearby existing homes would be less than significant.

Construction vibration, at sufficiently high levels, can also present a building damage risk. However, anticipated construction vibration associated with the proposed project would yield a maximum amplitude of 0.002 ips, which does not surpass the guidance limit of 0.2 to 0.3 ips PPV for preventing damage to residential structures (Caltrans 2020). Because the predicted vibration level at 310 feet is less than this guidance limit, the risk of vibration damage to nearby structures is considered less than significant.

Once operational, the proposed project would not be expected to feature major producers of groundborne vibration. Anticipated mechanical systems like heating, ventilation, and air-conditioning units are designed and manufactured to feature rotating (fans, motors) and reciprocating (compressors) components that are well-balanced with isolated vibration within or external to the equipment casings. On this basis, potential vibration impacts due to proposed project operation would be **less than significant**.

C) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

There are no private airstrips within the vicinity of the project site. The closest airport to the proposed project site is the Gillespie Field regional airport, approximately 1.5 miles west of the project boundary. According to the Gillespie Field Community Relations Traffic Pattern Review Appendix C: Noise Analysis, the project falls outside the studied noise contours. Impacts would be **less than significant.**

6 Summary of Findings

This noise report was conducted for the proposed project. The results indicate that potential impacts during construction would **be less than significant**; nevertheless, best practices that incorporate construction noise reduction techniques would be incorporated into the project construction process. Noise impacts due to operation of the proposed project (including traffic noise) would be **less than significant**. No noise and vibration mitigation measures are anticipated at this time.

7 References Cited

Baltrënas, P., D. Kazlauskas, & E. Petraitis. 2004. Testing on noise level prevailing at motor vehicle parking lots and numeral simulation of its dispersion. Journal of Environmental Engineering and Landscape Management, 12:2, 63-70

Caltrans (California Department of Transportation). 2013. *Technical Noise Supplement to the Traffic Noise Analysis Protocol*. September.

Caltrans. 2020. *Transportation and Construction Vibration Guidance Manual*. Division of Environmental Analysis, Environmental Engineering, Hazardous Waste, Air, Noise, Paleontology Office. Sacramento, California. April.

City of Santee. January 2023. *Municipal Code*. https://library.qcode.us/lib/santee_ca/pub/municipal_code/item/title_5-chapter_5_04.

City of Santee. 2003. *General Plan*. https://www.cityofsanteeca.gov/services/development-services/planning-and-zoning-services/general-plan

DOT (U.S. Department of Transportation). 2006. *FHWA Roadway Construction Noise Model: User's Guide*. Final Report. FHWA-HEP-06-015. DOT-VNTSC-FHWA-06-02. Cambridge, Massachusetts: DOT, Research and Innovative Technology Administration. Final Report. August.

FHWA. December 8, 2008. *Roadway Construction Noise Model (RCNM), Software Version 1.1*. U.S. Department of Transportation, Research and Innovative Technology Administration, John A. Volpe National Transportation Systems Center, Environmental Measurement and Modeling Division. Washington, D.C.

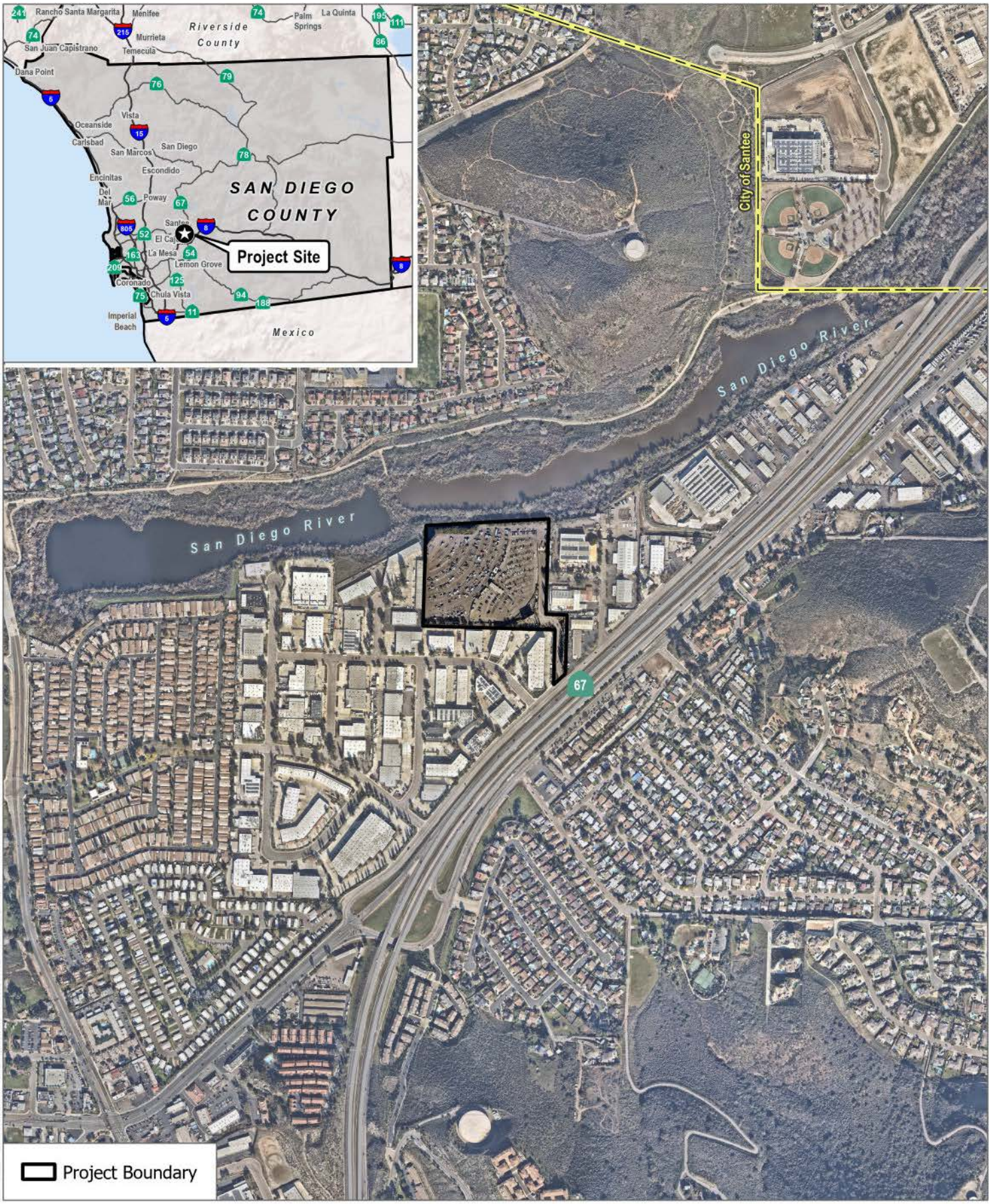
FTA (Federal Transit Administration). 2018. *Transit Noise and Vibration Impact Assessment*. FTA Report No. 0123. September.

FICON. 1992. Federal Agency Review of Selected Airport Noise Analysis Issues. Federal Interagency Committee on Noise. August 1992.

OPR (Governor's Office of Planning and Research). 2003. *State of California General Plan Guidelines*. October.

San Diego County.2012. Gillespie Field Community Relations Traffic Pattern Review. Department of Public Works - Airports. Retrieved April 24, 2023, from https://www.sandiegocounty.gov/content/dam/sdc/dpw/AIRPORTS/gillespie/documents/TrafficPatternReview.pdf

Salter, Charles. March 2014. *Midpoint at 237: Loading Dock Noise Study*. San Jose, California.



SOURCE: SanGIS, Open Street Maps

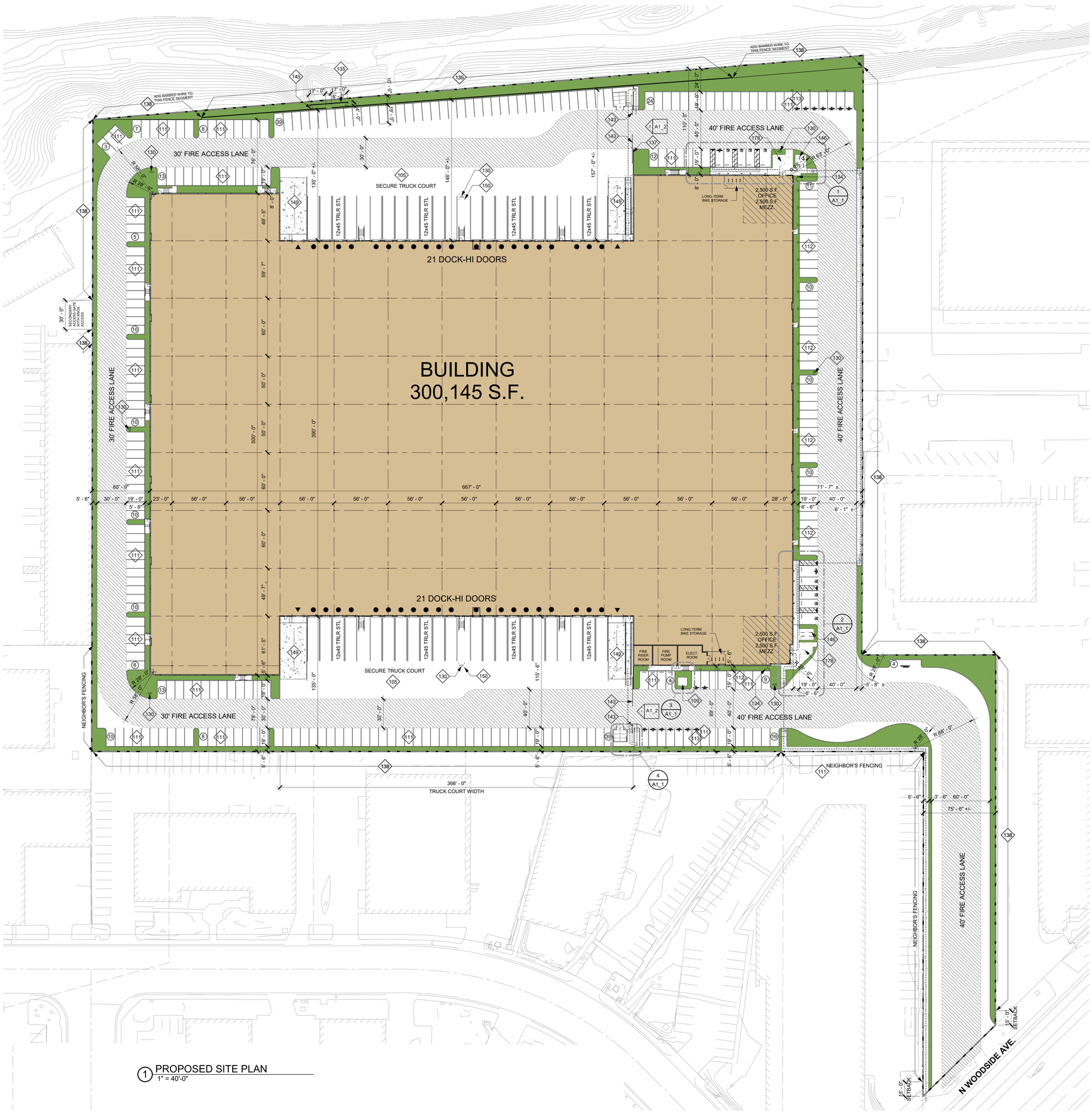
DUDEK

0 250 500 Feet

FIGURE 1

Project Location

Palisades Santee Commerce Center Project



1 PROPOSED SITE PLAN
1" = 40'-0"

DEVELOPER/OWNER

NORTH PALISADE PARTNERS
1330 FACTORY PLACE #105, LOS ANGELES, CA 90013
CONTACT: BRIAN WONG
PHONE: 310.242.1612
EMAIL: BRIAN.WONG@NORTHPALISADE.COM
WEBSITE: WWW.NORTHPALISADE.COM

APPLICANT'S REPRESENTATIVE/ARCHITECT

HERDMAN ARCHITECTURE & DESIGN, INC.
100 BAYVIEW CIRCLE SUITE 100
NEWPORT BEACH, CA 92660
CONTACT: BRIDGET HERDMAN
PHONE: 714.389.2600
EMAIL: PROJECTADMIN@HERDMAN-AD.COM

SCOPE OF WORK

CONSTRUCT NEW ONE STORY + MEZZANINE CONCRETE TILT-UP WAREHOUSE/DISTRIBUTION FACILITY WITH ELECTRICAL AND PLUMBING SERVICES, EXTERIOR LIGHTING, LANDSCAPING & IRRIGATION, TRASH ENCLOSURES, CONCRETE SCREEN WALLS, AND SLIDING/SWINGING METAL GATES. FIRE SPRINKLER AND GRADING PLANS TO BE A SEPARATE SUBMITTAL AND PERMIT

LEGAL DESCRIPTION & ZONING

LEGAL DESCRIPTION: SEE CIVIL

ASSESSOR'S PARCEL NO: 381-070-52-00

PROJECT INFORMATION & AREA ANALYSIS

BUILDING ADDRESS: 10990 WOODSIDE AVE. SANTEE, CA 92071
CONSTRUCTION TYPE: III-B
OCCUPANCY: B / S-1
FIRE SPRINKLER: YES (ESFR NFPA 72, NFPA 13 & NFPA 24)
CLEAR HEIGHT: 36'

ZONING:
GENERAL PLAN: G-I (NERAL INDUSTRIAL)
SPECIFIC PLAN: N/A
FEMA FLOOD ZONE: NO FLOOD ZONE

BUILDING SETBACKS:
FRONT SETBACK: 15'
SIDE SETBACK: 5'
REAR SETBACK: NONE

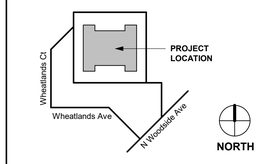
ALLOWABLE AREA:
UNLIMITED AREA PER CBC 507 PER TABLE 506.2

SHEET INDEX

A0 TITLE SHEET
A1 SITE PLAN
A1_0 SITE UTILIZATION MAP
A1_1 ENLARGED PARTIAL SITE PLANS
A1_2 GATE & FENCE ELEVATION
A2 GROUND LEVEL FLOOR PLANS
A4 EXTERIOR ELEVATIONS
A5 EXTERIOR ELEVATION COLOR BOARD

C1 CONCEPTUAL GRADING PLAN
C2 CONCEPTUAL UTILITY PLAN
L-1 LANDSCAPING PLAN
L-2 LANDSCAPING PLAN - COLOR
FC-1.0 SITE PHOTOMETRIC PLAN

VICINITY MAP



SITE PLAN GENERAL NOTES

1. THE SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS.
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS.
3. U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTER LINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR THE FACE OF THE WALL FINISH.
4. REFER TO CIVIL, AND MEP PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECT'S SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
5. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY.
6. ALL ACCESSIBLE ROUTES IDENTIFIED ON THE SITE PLAN DRAWINGS SHALL CONFORM TO THE FOLLOWING:
   a) SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%. CROSS SLOPES DO NOT EXCEED 2%.
   b) THE CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN.
   c) CHANGES IN LEVEL UP TO 1/2" COMPLY w/ 11/A0.2.1. CHANGES IN LEVEL GREATER THAN 1/2" IF THEY OCCUR ARE RAMPED. SEE PLANS.
   d) THE VERTICAL CLEARANCE ALONG THE ACCESSIBLE ROUTE IS 80" MIN.
7. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH, 6" WIDE CONCRETE CURB U.O.N.
8. A CONCRETE MOW STRIP EXTENDING 12" BEYOND EA END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 3' VERTICAL OF THE FINISHED GRADE. SEE 2/AD1.1
10. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. IF PIPE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND OR FIRE AUTHORITY SEE DETAIL 3/AD1.1
11. ALL EXPOSED BIORETENSION DEVICE COVERINGS SHALL BE PAINTED FOREST GREEN.
12. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO VIEW AND ALL EXTERIOR WALLS WHERE THE ADJACENT FLOOR SLAB IS BELOW GRADE. SEE 6/AD1.2
13. PROVIDE A HOSE BIB NEAR THE MAIN ENTRANCE AND IN THE TRASH ENCLOSURE. SEE PLAN FOR LOCATION.

KEYNOTES

105 CONCRETE PAVING.
109 (N) TRANSFORMER LOCATION.
111 TYP U.O.N., STANDARD PARKING STALL. 9'-0" WIDE x 19'-0" DEEP.
112 EV (ELECTRIC VEHICLE) CAPABLE PARKING STALL. PROVIDE FOR FUTURE EVSE (ELECTRIC VEHICLE SUPPLY EQUIPMENT). MATCH STANDARD STALL SIZE
113 EVCS (ELECTRIC VEHICLE CHARGING STATION). PROVIDE EVSE (ELECTRIC VEHICLE SUPPLY EQUIPMENT). MATCH STANDARD STALL SIZE.
130 (N) FIRE HYDRANT.
134 FIRE DEPARTMENT CONNECTION (FDC).
135 CONCRETE TILT-UP SCREEN WALL. MIN HEIGHT X'ABOVE HIGHEST ADJACENT FINISHED GRADE. PAINT BOTH SIDES AND TOP OF WALL. SEE PLANS FOR COLOR SCHEDULE.
137 TUBE STEEL FENCE. MIN HEIGHT 8' ABOVE HIGHEST ADJACENT FINISHED GRADE.
138 CHAIN LINK FENCE. MIN HEIGHT 8' ABOVE HIGHEST ADJACENT FINISHED GRADE.
143 PAINTED STEEL ROLLING GATE(S). MIN HEIGHT 8' ABOVE HIGHEST ADJACENT FINISHED GRADE OR AS SHOWN ON EXTERIOR ELEVATIONS. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.
145 PAINTED STEEL SWINGING PEDESTRIAN GATE. WHEN OCCURS IN TUBE STEEL FENCE, ALIGN TOP w/ FENCE HEIGHT. WHEN OCCURS IN CONCRETE SCREEN WALL, U.O.N., ALIGN TOP w/ SCREEN WALL. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.
146 2 POSITION BIKE RACK.
149 CONCRETE TRUCK RAMP w/ 42" HIGH CONCRETE TILT-UP GUARD ON OPEN SIDE(S). PAINT ALL SIDES OF GUARD WALLS AND HANDRAILS.SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
150 STEEL PIPE BOLLARD PROTECTION POST.
178 OUTDOOR EMPLOYEE BREAK AREA.

LOT AREA

SQUARE FOOTAGE	ACRES
587730 SF	13.49

FLOOR AREA RATIO

BUILDING AREA	SITE AREA	FAR ALLOWABLE	FAR PROVIDED
300145 SF	587730 SF	100%	51.1%

BUILDING AREA SUMMARY

NAME	AREA
GROUND FLOOR	
WAREHOUSE	290145 SF
OFFICE	2500 SF
OFFICE	2500 SF
	295145 SF
MEZZANINE	
OFFICE	5000 SF
	5000 SF
GROUND LEVEL + MEZZANINE	
WAREHOUSE	290145 SF
OFFICE	10000 SF
TOTAL BUILDING AREA	300145 SF

LANDSCAPE AREA SUMMARY

OFF-STREET PARKING AREA	% LANDSCAPING REQUIRED	AREA LANDSCAPING PROVIDED	% LANDSCAPING PROVIDED
51471 SF	10%	52041 SF	101.1%

TOTAL PARKING REQUIRED

BUILDING USE	BUILDING AREA	PARKING RATIO 1/X	REQ. PARKING
OFFICE	10000 SF	1000	11
WAREHOUSE	290145 SF	1000	291
TOTAL: 4	300145 SF		302

REQUIRED PARKING BREAKDOWN

SPACE TYPE	SPACES REQUIRED
STANDARD STALLS	230
STANDARD ACCESSIBLE STALLS	6
VAN ACCESSIBLE STALLS	2
EV CAPABLE STALL (w/o EVSE)	45
EVCS (EV CAPABLE STALL w/ EVSE)	16
STANDARD ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
VAN ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
TOTAL	301

PARKING PROVIDED

SPACE TYPE	SPACES PROVIDED
STANDARD STALLS	230
STANDARD ACCESSIBLE STALLS	6
VAN ACCESSIBLE STALLS	2
EV CAPABLE STALL (w/o EVSE)	45
EVCS (EV CAPABLE STALL w/ EVSE)	16
STANDARD ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
VAN ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
TOTAL	301

SITE LEGEND

- LANDSCAPE AREA
- CONCRETE PAVING WHEN OCCURS @ PARKING AREAS, DRIVE AISLES, & OR TRUCK COURT. SEE CIVIL DRAWINGS FOR PAVING SECTIONS
- FIRE HYDRANT. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY THE FIRE AUTHORITY. SEE 3/AD1.1
- STREET LIGHT
- INDICATES AN ACCESSIBLE ROUTE. MUST COMPLY w/ SITE PLAN GENERAL NOTE #6
- PROPERTY LINE
- DOCK HIGH DOOR
- DRIVE THRU. DOOR

PROJECT
PALISADE SANTEE COMMERCE CENTER
SANTEE, CA
3rd PLANNING SUBMITTAL

NORTH PALISADE PARTNERS

HERDMAN ARCHITECTURE + DESIGN
A22-2164
12.27.2023

SITE PLAN

NORTH

A1

12/27/2023 9:34:31 AM

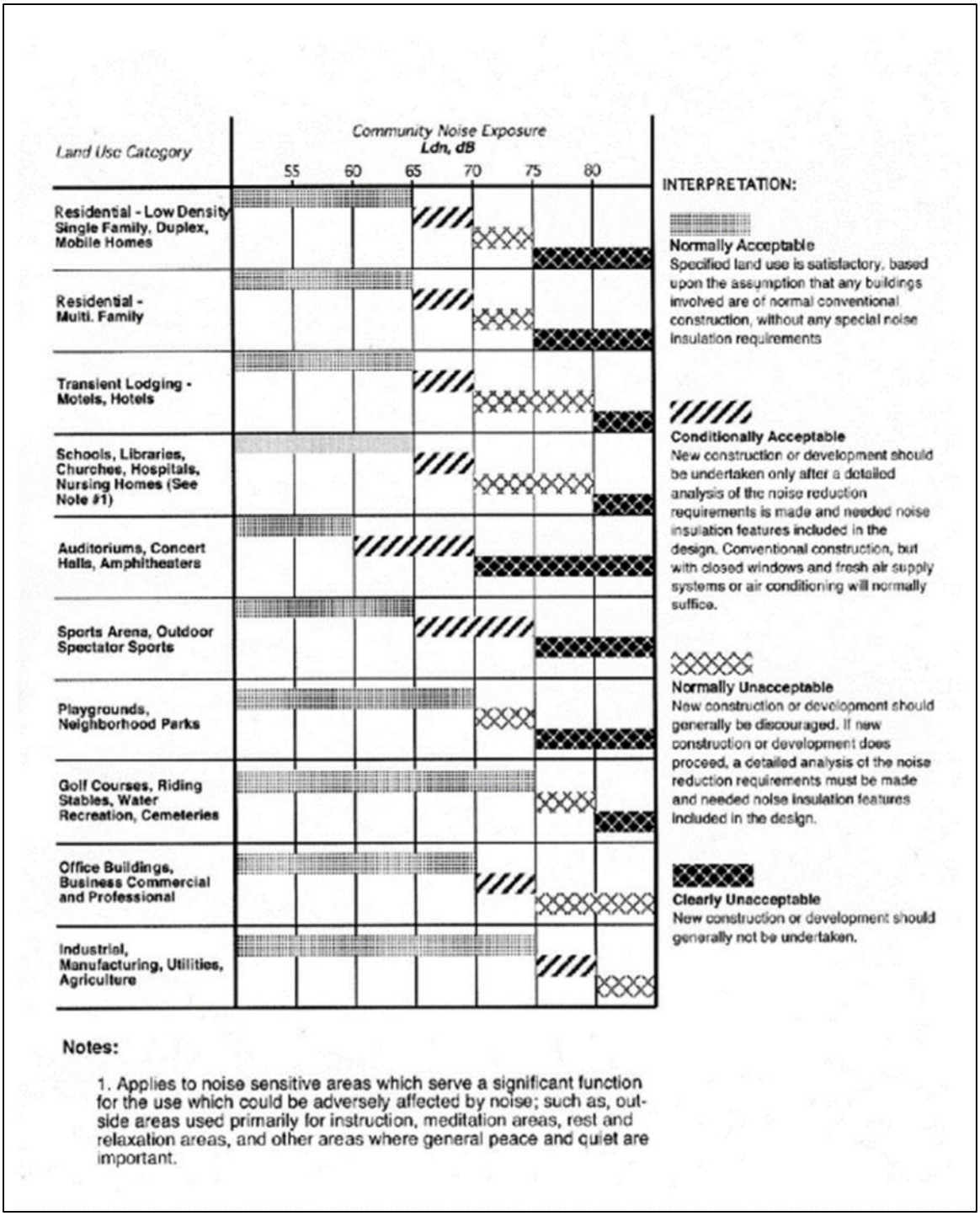


Figure 3 City of Santee Noise / Land Use Compatibility Guide

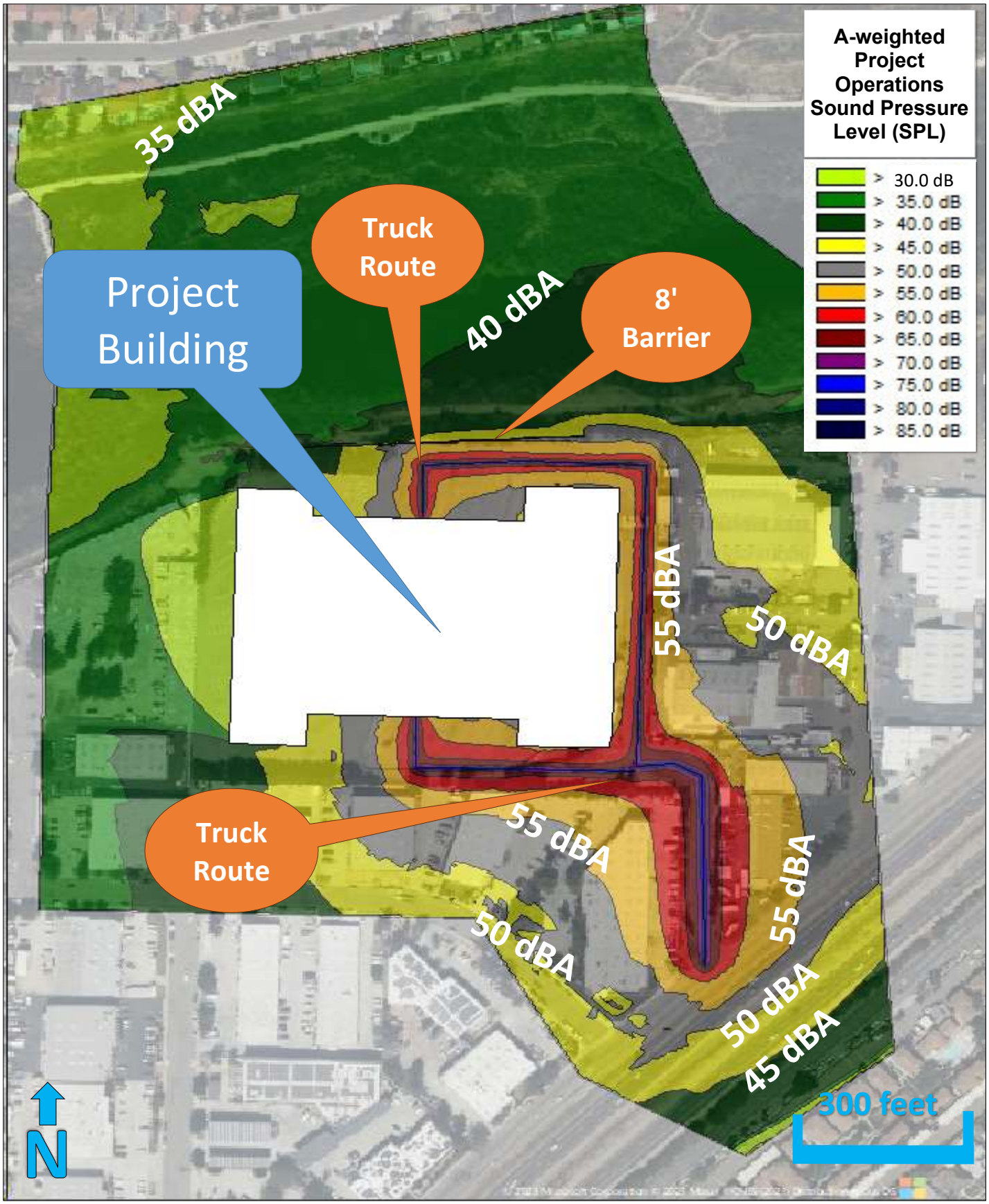
SOURCE: Google 2024; Dudek 2024

DUDEK

FIGURE 4

Noise Measurement Locations

Palisades Santee Commerce Center Project



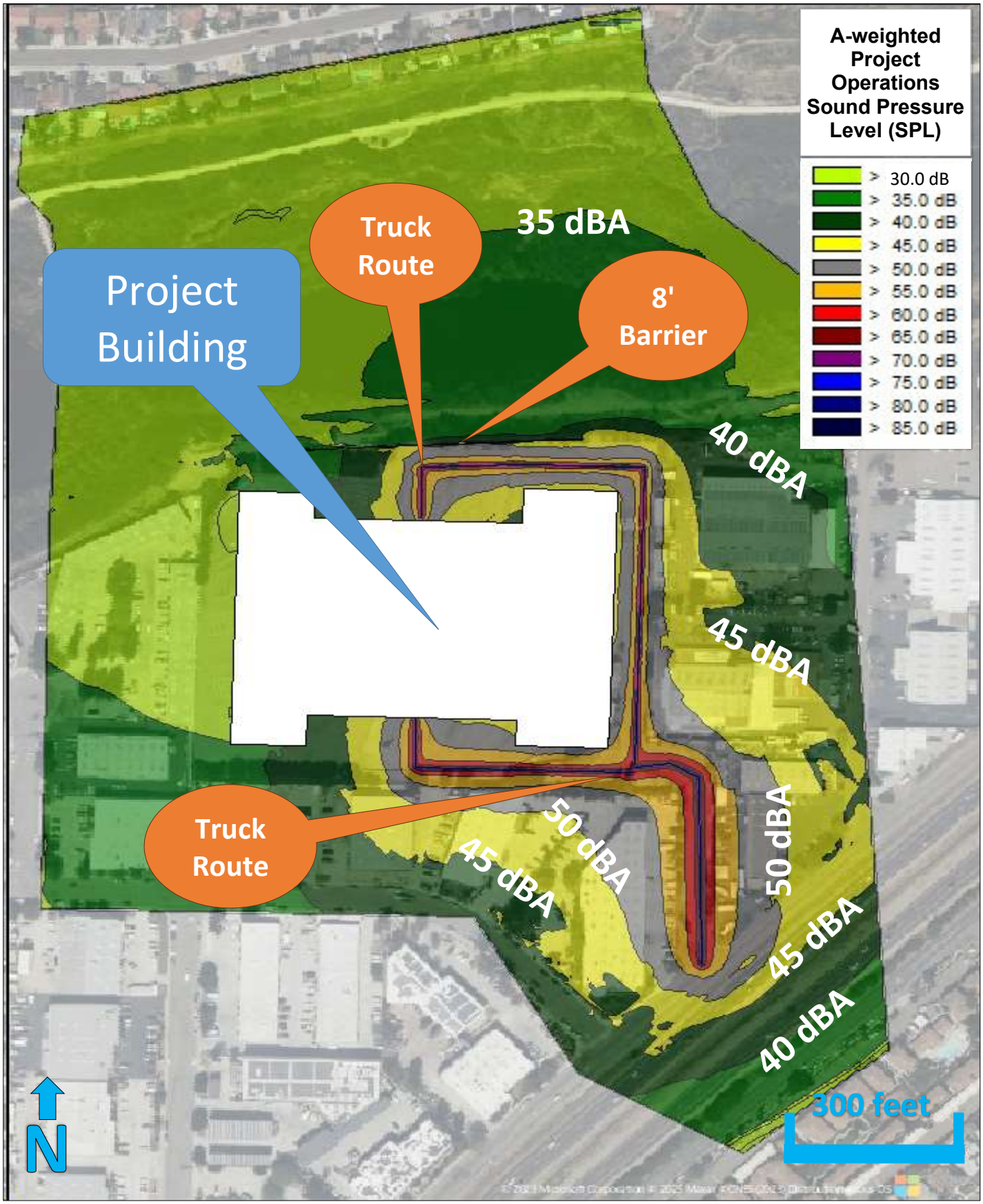
SOURCE: Microsoft 2024; Dudek 2024

DUDEK

FIGURE 5

Predicted Daytime Onsite Operations Noise Contours (L_{eq})

Palisades Santee Commerce Center Project



SOURCE: Microsoft 2024; Dudek 2024

DUDEK

FIGURE 6

Predicted Nighttime Onsite Operations Noise Contours (L_{eq})

Palisades Santee Commerce Center Project

Appendix A

Baseline Noise Measurement Field Data

FORMS FIELD DATA REPORT

Bio Field Data	
ID	28772
Date	2023-03-25
Biologist	Kristopher Jerpseth
Project	1M Warehouse
Survey Area	Entire Site
Survey Type	Ambient noise monitoring
Time	8:00 AM–11:00 AM
Conditions	64–72°F; 0–20% cloud cover; 1–4 mph wind
Visit Type	
Notes	BM Kris Jerpseth areived at Santee warehouse project at 0800, using SN 2606 piccolo II noise meter. It took some time to get correct coordinates, starting at the wrong side of the highway then doubling back to Site 1. Swap meet, the highway and many planes flying overhead were the main source of noise. Site 1, Meter set up in front of apartment complex highway 0900 start, recording 364, 76.8 dB 100 cars counted in less than a minute and a half. Site 2, 0920 start, recording 368, 55.6 dB Airplane overhead at 0922, 0926, 0932, Site 4, 0944 start, recording 372, 53.1 dB Airplane overhead at 0947, 0948, 0952, 0956, 0957, 0958, 0959. Site 3, 1020 start, recording 377, 60.3 dB Airplane overhead at 1023, 1032, cars passed on road ahead of meter after selling wares at swap meet. BM collected equipment and left at 1100.
Number of Nests Observed	0

Photos	
ID	**S28772**
Type	Photo
Photo	
Description	Front shot of noise meter site 3
ID	**S28772**
Type	Photo
Photo	
Description	Site 3, in front of drive-in theater screen, cars leaving from swap meet consistently passed by meter.

ID	S28772
Type	Photo
Photo	
Description	Site 4, on nearby na:ure trail path, main noise source was airplanes.

ID	S28772
Type	Photo
Photo	
Description	Site 2 location, in quiet neighborhood, main noise source was airplanes.

ID	S28772
Type	Photo
Photo	
Description	Site 1, meter set up near highway as site 1 was in front of a busy apartment, entering and exiting cars and many pedestrians on sidewalk

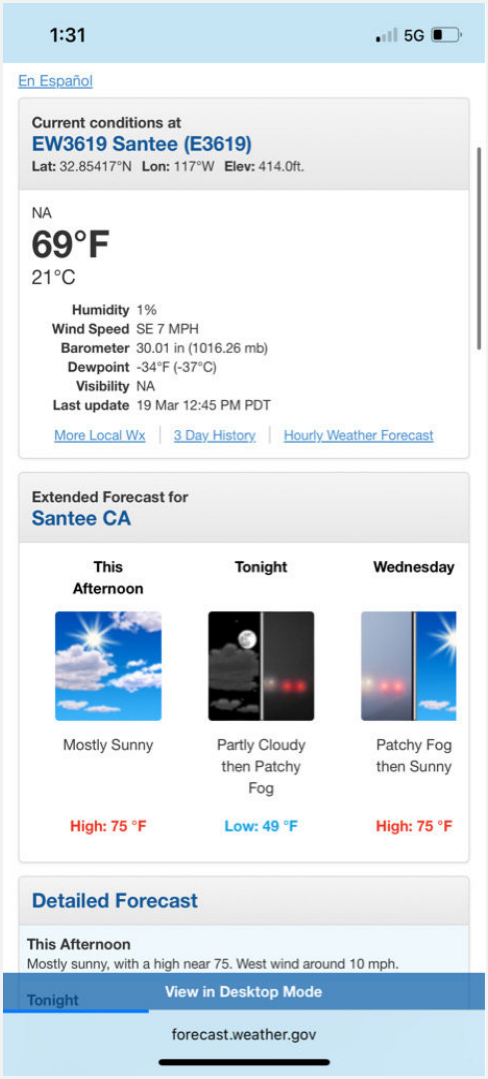
FORMS FIELD DATA REPORT

Field Noise Measurement Data

Record: 1869	
Project Name	*Palisades Santee Warehouse (Daytime)*
Project #	*15138*
Observer(s)	
Date	*2024-03-19*

Meteorological Conditions

Upload NOAA Forecast



Temp (F)	*69*
Humidity % (R.H.)	*1*
Wind	*Calm*
Wind Speed (MPH)	*7*
Wind Direction	*South East*
Sky	*Clear*

Monitoring	
Record #	*1*
Site ID	*ST2*
Site Location Lat/Long	*32.850269, -116.962226*
Begin (Time)	*13:14:00*
End (Time)	*14:14:00*
Leq	*53.8*
Lmax	*75.5*
Lmin	*39.6*
Other Lx?	*L90, L50, L10*
L90	*44.2*
L50	*46.5*
L10	*50.8*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Conversations / Yelling, Distant Traffic*

Other Noise Sources Additional Description	*People walking on trail*
Is the same instrument and calibrator being used as previously noted?	*No*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Terrain	*Mixed*

Site Photos

Photo

Comments / Description	*Facing N*

Site Photos	
Photo	
Comments / Description	*Facing S*

Site Photos

Photo	
Comments / Description	*Facing E*

Instrument and Calibration Info

Instrument Name List	*(ENC) Piccolo #1008*
Instrument Name	*(ENC) Piccolo #1008*
Instrument Name Lookup Key	*(ENC) Piccolo #1008*

Manufacturer	*Soft dB*
Model	*Piccolo*
Serial Number	*221082606*
Calibration Date	
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name Lookup Key	*(SAC) Rion NC-74*
Calibrator Manufacturer	*Rion*
Calibrator Model	*NC-74*
Calibrator Serial #	*34167529*
Pre-Test (dBA SPL)	*93.4*
Post-Test (dBA SPL)	*94*
Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*
ANSI?	*Yes*

Monitoring	
Record #	*2*
Site ID	*ST4*
Site Location Lat/Long	*32.849985, -116.961539*
Begin (Time)	*13:22:00*

End (Time)	*14:22:00*
Leq	*54.1*
Lmax	*75.4*
Lmin	*41*
Other Lx?	*L90, L50, L10*
L90	*45.1*
L50	*47.3*
L10	*50.2*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Conversations / Yelling, Distant Industrial, Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously noted?	*No*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing S*

Site Photos

Photo	
Comments / Description	*Facing E*

Site Photos

Photo	
Comments / Description	*Facing N*

Instrument and Calibration Info	
Instrument Name List	*(ENC) Piccolo #1008*
Instrument Name	*(ENC) Piccolo #1008*
Instrument Name Lookup Key	*(ENC) Piccolo #1008*
Manufacturer	*Soft dB*

Model	*Piccolo*
Serial Number	*223020804*
Calibration Date	
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name Lookup Key	*(SAC) Rion NC-74*
Calibrator Manufacturer	*Rion*
Calibrator Model	*NC-74*
Calibrator Serial #	*34167529*
Pre-Test (dBA SPL)	*94.2*
Post-Test (dBA SPL)	*94*
Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*
ANSI?	*Yes*

Monitoring	
Record #	*3*
Site ID	*ST5*
Site Location Lat/Long	*32.850838, -116.959550*
Begin (Time)	*13:29:00*
End (Time)	*14:29:00*

Leq	*55.2*
Lmax	*75.9*
Lmin	*41.5*
Other Lx?	*L90, L50, L10*
L90	*45.7*
L50	*48*
L10	*51.5*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Conversations / Yelling, Distant Industrial, Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously noted?	*No*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos	
Terrain	*Mixed*

Site Photos	

Photo	
Comments / Description	*Facing S*

Site Photos

Photo	
Comments / Description	*Facing E*

Site Photos

Photo	
Comments / Description	*Facing N*

Instrument and Calibration Info	
Instrument Name List	*(ENC) Piccolo #1008*
Instrument Name	*(ENC) Piccolo #1008*
Instrument Name Lookup Key	*(ENC) Piccolo #1008*
Manufacturer	*Soft dB*

Model	*Piccolo*
Serial Number	*223020805*
Calibration Date	
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name Lookup Key	*(SAC) Rion NC-74*
Calibrator Manufacturer	*Rion*
Calibrator Model	*NC-74*
Calibrator Serial #	*34167529*
Pre-Test (dBA SPL)	*93*
Post-Test (dBA SPL)	*94*
Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*
ANSI?	*Yes*

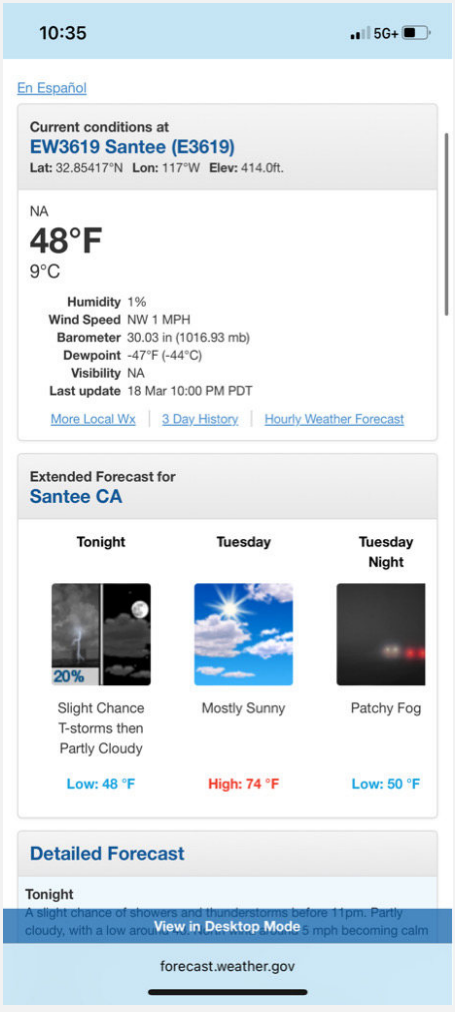
FORMS FIELD DATA REPORT

Field Noise Measurement Data

Record: 1866	
Project Name	*Palisades Santee Warehouse (Nighttime)*
Project #	*15138*
Observer(s)	
Date	*2024-03-18*
Comments	

Meteorological Conditions

Upload NOAA Forecast



Temp (F)	*48*
Humidity % (R.H.)	*1*
Wind	*Calm*
Wind Speed (MPH)	*1*
Wind Direction	*North West*
Sky	*Partly Cloudy*

Instrument and Calibrator Information	
Instrument Name List	*(ENC) Piccolo #1008*
Instrument Name	*(ENC) Piccolo #1008*
Instrument Name Lookup Key	*(ENC) Piccolo #1008*
Manufacturer	*Soft dB*
Model	*Piccolo*
Serial Number	*22300200805*
Calibration Date	
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name Lookup Key	*(SAC) Rion NC-74*
Calibrator Manufacturer	*Rion*
Calibrator Model	*NC-74*
Calibrator Serial #	*34167529*
Pre-Test (dBA SPL)	*95.1*
Post-Test (dBA SPL)	*94*

Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*
ANSI?	*Yes*

Monitoring	
Record #	*1*
Site ID	*ST2*
Site Location Lat/Long	*32.850263, -116.962289*
Begin (Time)	*20:21:00*
End (Time)	*21:21:00*
Leq	*50.2*
Lmax	*73.9*
Lmin	*39.9*
Other Lx?	*L90, L50, L10*
L90	*47.6*
L50	*49*
L10	*50.6*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously noted?	*No*

Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos	
Terrain	*Mixed*

Site Photos	
Photo	

Comments / Description	*Facing N*

Site Photos	
Photo	
Comments / Description	*Facing W*

Site Photos

Photo	
Comments / Description	*Facing E*

Instrument and Calibration Info

Instrument Name List	*(ENC) Piccolo #1008*
Instrument Name	*(ENC) Piccolo #1008*
Instrument Name Lookup Key	*(ENC) Piccolo #1008*

Manufacturer	*Soft dB*
Model	*Piccolo*
Serial Number	*221082606*
Calibration Date	
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name Lookup Key	*(SAC) Rion NC-74*
Calibrator Manufacturer	*Rion*
Calibrator Model	*NC-74*
Calibrator Serial #	*34167529*
Pre-Test (dBA SPL)	*96.2*
Post-Test (dBA SPL)	*94*
Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*
ANSI?	*Yes*

Monitoring	
Record #	*2*
Site ID	*ST4*
Site Location Lat/Long	*32.849999, -116.961640*
Begin (Time)	*20:28:00*

End (Time)	*21:28:00*
Leq	*50.5*
Lmax	*64.1*
Lmin	*40.7*
Other Lx?	*L90, L50, L10*
L90	*48*
L50	*49.6*
L10	*51.5*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Traffic*
Other Noise Sources Additional Description	*Frogs*
Is the same instrument and calibrator being used as previously noted?	*No*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing S*

Site Photos

Photo	
Comments / Description	*Facing E*

Site Photos

Photo	
Comments / Description	*Facing W*

Instrument and Calibration Info	
Instrument Name List	*(ENC) Piccolo #1008*
Instrument Name	*(ENC) Piccolo #1008*
Instrument Name Lookup Key	*(ENC) Piccolo #1008*
Manufacturer	*Soft dB*

Model	*Piccolo*
Serial Number	*223020804*
Calibration Date	
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name Lookup Key	*(SAC) Rion NC-74*
Calibrator Manufacturer	*Rion*
Calibrator Model	*NC-74*
Calibrator Serial #	*34167529*
Pre-Test (dBA SPL)	*94.8*
Post-Test (dBA SPL)	*94*
Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*
ANSI?	*Yes*

Monitoring	
Record #	*3*
Site ID	*ST5*
Site Location Lat/Long	*32.850771, -116.959652*
Begin (Time)	*20:40:00*
End (Time)	*21:40:00*

Leq	*51.2*
Lmax	*58.2*
Lmin	*43.8*
Other Lx?	*L90, L50, L10*
L90	*49.1*
L50	*50.6*
L10	*52.1*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Aircraft, Distant Traffic*
Other Noise Sources Additional Description	*Frogs*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos	
Terrain	*Mixed*

Site Photos

Photo	
Comments / Description	*Facing S*

Site Photos

Photo	
Comments / Description	*Facing E*

Site Photos

Photo	
Comments / Description	*Facing N*

Appendix B

Construction Noise Modeling Input and Output

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at occupied building, per FTA guidance = 90
allowable hours over which Leq is to be averaged = 8

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	ILbarr (dB)	Notes
Demolition	Concrete Saw	1	20	90		310	0.0		69.7	8	480	63	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	excavator	3	40	81		310	0.0		60.7	8	480	61	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	dozer	2	40	82		310	0.0		61.7	8	480	61	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
									Total for Demolition Phase:			**66.5**													
Site Preparation	dozer	3	40	82		310	0.0		61.7	8	480	62	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	backhoe	4	40	78		310	0.0		57.7	8	480	60	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
									Total for Site Preparation Phase:			**64.3**													
Grading	excavator	2	40	81		310	0.0		60.7	8	480	60	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	grader	1	40	85		310	0.0		64.7	8	480	61	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	dozer	1	40	82		310	0.0		61.7	8	480	58	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	backhoe	2	40	78		310	0.0		57.7	8	480	57	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	scraper	2	40	84		310	0.0		63.7	8	480	63	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
									Total for Grading Phase:			**67.0**													
Building Construction	Crane	1	16	81		310	0.0		60.7	7	420	52	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	Man lift	3	20	75		310	0.0		54.7	8	480	52	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	Generator	1	50	72		310	0.0		51.7	8	480	49	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	backhoe	3	40	78		310	0.0		57.7	8	480	58	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	Welder / Torch	1	40	73		310	0.0		52.7	8	480	49	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
									Total for Building Construction Phase:			**60.8**													
Paving	paver	2	50	77		310	0.0		56.7	8	480	57	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	roller	2	20	80		310	0.0		59.7	8	480	56	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
	concrete mixer truck	1	40	79		310	0.0		58.7	8	480	55	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
									Total for Paving Phase:			**60.6**													
Architectural Coating	compressor (air)	1	40	78		310	0.0		57.7	6	360	52	5	5	0	10	300	310	11.2	300.0	310.0	0.00	0.1	0.0	
									Total for Architectural Coating Phase:			**52.5**													

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at occupied building, per FTA guidance = 90

allowable hours over which Leq is to be averaged = 8

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	ILbarr (dB)	Notes
Demolition	Concrete Saw	1	20	90		990	0.0		58.5	8	480	51	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	excavator	3	40	81		990	0.0		49.5	8	480	50	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	dozer	2	40	82		990	0.0		50.5	8	480	49	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
									Total for Demolition Phase:			**55.3**													
Site Preparation	dozer	3	40	82		990	0.0		50.5	8	480	51	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	backhoe	4	40	78		990	0.0		46.5	8	480	48	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
									Total for Site Preparation Phase:			**53.1**													
Grading	excavator	2	40	81		990	0.0		49.5	8	480	48	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	grader	1	40	85		990	0.0		53.5	8	480	49	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	dozer	1	40	82		990	0.0		50.5	8	480	46	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	backhoe	2	40	78		990	0.0		46.5	8	480	45	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	scraper	2	40	84		990	0.0		52.5	8	480	51	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
									Total for Grading Phase:			**55.8**													
Building Construction	Crane	1	16	81		990	0.0		49.5	7	420	41	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	Man lift	3	20	75		990	0.0		43.5	8	480	41	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	Generator	1	50	72		990	0.0		40.5	8	480	37	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	backhoe	3	40	78		990	0.0		46.5	8	480	47	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	Welder / Torch	1	40	73		990	0.0		41.5	8	480	37	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
									Total for Building Construction Phase:			**49.5**													
Paving	paver	2	50	77		990	0.0		45.5	8	480	45	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	roller	2	20	80		990	0.0		48.5	8	480	44	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
	concrete mixer truck	1	40	79		990	0.0		47.5	8	480	43	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
									Total for Paving Phase:			**49.3**													
Architectural Coating	compressor (air)	1	40	78		990	0.0		46.5	6	360	41	5	5	0	10	980	990	11.2	980.0	990.0	0.00	0.1	0.0	
									Total for Architectural Coating Phase:			**41.2**													

Appendix C

Traffic Noise Modeling Input and Output

Appendix C

Traffic Noise Modeling Calculations - Summary

Project: 15138 Palisades Santee Warehouse

Number	Segment Description and Location: Name	From	To	Existing	Existing + Project	Δ Existing – Existing + Project	Near-Term	Near-Term + Project	Δ Near-Term – Near-Term + Project
Summary of Net Changes									
1	Project Driveway	N. Woodside Avenue	Project	50.38	61.62	11.24	50.38	61.62	11.24
2	Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	61.82	61.82	0.00	61.82	61.82	0.00
3	N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	67.76	69.05	1.29	68.46	69.58	1.12
4	Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	77.40	77.60	0.20	77.50	77.70	0.20
5	Magnolia Avenue	Woodside Avenue	SR-52	77.15	77.27	0.12	77.34	77.46	0.12
6	SR-67	-	-	83.50	83.50	0.00	84.15	84.15	0.00
			Aggregate Total @ 50 Feet	**85.29**	**85.39**	**0.10**	**85.79**	**85.87**	**0.09**
Project Driveway, Wheatlands Avenue, N Woodside Avenue, SR-67 Segment Aggregate Total @ 50 Feet				**83.64**	**83.71**	**0.06**	**84.29**	**84.35**	**0.05**

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Appendix C

Traffic Noise Modeling Calculations - Summary

Project: 15138 Palisades Santee Warehouse

Number	Name	Segment Description and Location From	To	Horizon 2035	Horizon 2035 + Project	Δ Horizon 2035 – Horizon 2035 + Project
Summary of Net Changes						
1	Project Driveway	N. Woodside Avenue	Project	50.38	61.62	11.24
2	Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	67.10	67.10	0.00
3	N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	73.19	73.33	0.14
4	Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	78.70	78.75	0.05
5	Magnolia Avenue	Woodside Avenue	SR-52	77.72	77.76	0.04
6	SR-67	-	-	84.39	84.39	0.00
			Aggregate Total @ 50 Feet	**86.38**	**86.41**	**0.03**
Project Driveway, Wheatlands Avenue, N Woodside Avenue, SR-67 Segment Aggregate Total @ 50 Feet				**84.78**	**84.81**	**0.03**

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Appendix C

Traffic Noise Modeling Calculations - Summary

Project: 15138 Palisades Santee Warehouse

Number	Name	Segment Description and Location From	To	Existing	Existing + Construction	Δ Existing – Existing + Construction	
Summary of Net Changes							
1	Project Driveway	N. Woodside Avenue	Project	50.38	60.26	9.88	
2	Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	61.82	63.93	2.11	
3	N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	67.76	68.70	0.95	
4	Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	77.40	77.54	0.14	
5	Magnolia Avenue	Woodside Avenue	SR-52	77.15	77.27	0.12	
6	SR-67	-	-	83.50	83.55	0.05	
			Aggregate Total @ 50 Feet	**85.29**	**85.41**	**0.12**	
Project Driveway, Wheatlands Avenue, N Woodside Avenue, SR-67 Segment Aggregate Total @ 50 Feet				**83.64**	**83.76**	**0.11**	

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Appendix C

Traffic Noise Model Calculations

Project: 15138 Palisades Santee Warehouse

Noise Level Descriptor: CNEL
Site Conditions: Soft
Traffic Input: ADT
Traffic K-Factor: 10

	Segment Description and Location			Input										Output				
						Distance to Directional Centerline, $(feet)_4$		Traffic Distribution Characteristics						CNEL, $(dBA)_{5,6,7}$	Distance to Contour, $(feet)_3$			
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Med	% Hvy	% Day	% Eve	% Night		70 dBA	65 dBA	60 dBA	55 dBA
Existing Conditions																		
1	Project Driveway	N. Woodside Avenue	Project	117	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	50.4	2	5	11	25
2	Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	1,631	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	61.8	14	31	66	142
3	N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	3,725	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	67.8	35	76	165	354
4	Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	27,134	45	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	77.4	156	335	723	1557
5	Magnolia Avenue	Woodside Avenue	SR-52	32,381	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	77.1	150	323	696	1498
6	SR-67	-	-	70,000	55	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	83.5	397	856	1843	3971

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Appendix C

Traffic Noise Model Calculations

Project: 15138 Palisades Santee Warehouse

Noise Level Descriptor: CNEL
Site Conditions: Soft
Traffic Input: ADT
Traffic K-Factor: 10

		Segment Description and Location		Input										Output				
						Distance to Directional Centerline, $(feet)_4$		Traffic Distribution Characteristics						CNEL, $(dBA)_{5,6,7}$	Distance to Contour, $(feet)_3$			
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Med	% Hvy	% Day	% Eve	% Night		70 dBA	65 dBA	60 dBA	55 dBA
Existing + Project Conditions																		
1	Project Driveway	N. Woodside Avenue	Project	1,556	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	61.6	14	30	64	138
2	Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	1,631	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	61.8	14	31	66	142
3	N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	5,018	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	69.1	43	93	201	432
4	Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	28,427	45	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	77.6	161	346	746	1606
5	Magnolia Avenue	Woodside Avenue	SR-52	33,307	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	77.3	153	329	709	1527
6	SR-67	-	-	70,000	55	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	83.5	397	856	1843	3971

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Appendix C

Traffic Noise Model Calculations

Project: 15138 Palisades Santee Warehouse

Noise Level Descriptor: CNEL
Site Conditions: Soft
Traffic Input: ADT
Traffic K-Factor: 10

		Segment Description and Location		Input										Output				
						Distance to Directional Centerline, $(feet)_4$		Traffic Distribution Characteristics						CNEL, $(dBA)_{5,6,7}$	Distance to Contour, $(feet)_3$			
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Med	% Hvy	% Day	% Eve	% Night		70 dBA	65 dBA	60 dBA	55 dBA
Near-Term Conditions																		
1	Project Driveway	N. Woodside Avenue	Project	117	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	50.4	2	5	11	25
2	Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	1,631	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	61.8	14	31	66	142
3	N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	4,375	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	68.5	39	85	183	395
4	Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	27,784	45	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	77.5	158	341	734	1582
5	Magnolia Avenue	Woodside Avenue	SR-52	33,845	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	77.3	154	332	716	1543
6	SR-67	-	-	81,300	55	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	84.1	439	945	2037	4388

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Appendix C

Traffic Noise Model Calculations

Project: 15138 Palisades Santee Warehouse

Noise Level Descriptor: CNEL
Site Conditions: Soft
Traffic Input: ADT
Traffic K-Factor: 10

		Segment Description and Location		Input										Output				
						Distance to Directional Centerline, $(feet)_4$		Traffic Distribution Characteristics						CNEL, $(dBA)_{5,6,7}$	Distance to Contour, $(feet)_3$			
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Med	% Hvy	% Day	% Eve	% Night		70 dBA	65 dBA	60 dBA	55 dBA
Near-Term + Project Conditions																		
1	Project Driveway	N. Woodside Avenue	Project	1,556	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	61.6	14	30	64	138
2	Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	1,631	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	61.8	14	31	66	142
3	N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	5,668	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	69.6	47	101	218	469
4	Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	29,077	45	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	77.7	163	351	757	1631
5	Magnolia Avenue	Woodside Avenue	SR-52	34,771	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	77.5	157	339	729	1571
6	SR-67	-	-	81,300	55	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	84.1	439	945	2037	4388

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Appendix C - 5

Traffic Noise Model Calculations

Project: 15138 Palisades Santee Warehouse

Noise Level Descriptor: CNEL
Site Conditions: Soft
Traffic Input: ADT
Traffic K-Factor: 10

	Segment Description and Location			Input										Output				
						Distance to Directional Centerline, (feet)[4]		Traffic Distribution Characteristics						CNEL,	Distance to Contour, (feet)[3]			
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Med	% Hvy	% Day	% Eve	% Night	(dBA)[5,6,7]	70 dBA	65 dBA	60 dBA	55 dBA
Horizon 2035 Conditions																		
1	Project Driveway	N. Woodside Avenue	Project	117	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	50.4	2	5	11	25
2	Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	5,500	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	67.1	32	69	149	320
3	N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	13,000	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	73.2	82	176	379	815
4	Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	36,600	45	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	78.7	190	410	882	1901
5	Magnolia Avenue	Woodside Avenue	SR-52	36,950	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	77.7	164	353	759	1636
6	SR-67	-	-	85,900	55	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	84.4	455	981	2113	4552

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Appendix C - 6

Traffic Noise Model Calculations

Project: 15138 Palisades Santee Warehouse

Noise Level Descriptor: CNEL
Site Conditions: Soft
Traffic Input: ADT
Traffic K-Factor: 10

	Segment Description and Location			Input										Output				
						Distance to Directional Centerline, (feet)[4]		Traffic Distribution Characteristics						CNEL,	Distance to Contour, (feet)[3]			
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Med	% Hvy	% Day	% Eve	% Night	(dBA)[5,6,7]	70 dBA	65 dBA	60 dBA	55 dBA
Horizon 2035 + Project Conditions																		
1	Project Driveway	N. Woodside Avenue	Project	1,556	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	61.6	14	30	64	138
2	Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	5,500	25	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	67.1	32	69	149	320
3	N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	13,434	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	73.3	83	180	387	834
4	Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	37,034	45	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	78.8	192	413	889	1916
5	Magnolia Avenue	Woodside Avenue	SR-52	37,261	40	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	77.8	165	354	764	1645
6	SR-67	-	-	85,900	55	50	50	72.5%	4.6%	22.9%	80.0%	5.0%	15.0%	84.4	455	981	2113	4552

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Appendix C

Traffic Noise Model Calculations

Project: 15138 Palisades Santee Warehouse

Noise Level Descriptor: CNEL
Site Conditions: Soft
Traffic Input: ADT
Traffic K-Factor: 10

	Segment Description and Location			Input										Output				
						Distance to Directional Centerline, $(feet)_4$		Traffic Distribution Characteristics						CNEL, $(dBA)_{5,6,7}$	Distance to Contour, $(feet)_3$			
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Med	% Hvy	% Day	% Eve	% Night		70 dBA	65 dBA	60 dBA	55 dBA
Existing + Construction Conditions																		
1	Project Driveway	N. Woodside Avenue	Project	384	25	50	50	22.1%	1.4%	76.5%	80.0%	5.0%	15.0%	60.3	11	24	52	112
2	Wheatlands Avenue	N. Woodside Avenue	Wheatlands Road	1,898	25	50	50	62.3%	4.0%	33.7%	80.0%	5.0%	15.0%	63.9	20	42	91	197
3	N. Woodside Avenue	Wheatlands Avenue	Woodside Avenue - Combined	3,992	40	50	50	67.7%	4.3%	28.1%	80.0%	5.0%	15.0%	68.7	41	88	190	410
4	Woodside Avenue	Magnolia Avenue	Woodside Avenue - Combined	27,401	45	50	50	71.8%	4.6%	23.7%	80.0%	5.0%	15.0%	77.5	159	343	738	1591
5	Magnolia Avenue	Woodside Avenue	SR-52	32,648	40	50	50	71.9%	4.6%	23.5%	80.0%	5.0%	15.0%	77.3	153	329	708	1526
6	SR-67	-	-	70,267	55	50	50	72.2%	4.6%	23.2%	80.0%	5.0%	15.0%	83.6	400	862	1858	4003

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Appendix D

Project Stationary Operations Noise Prediction Data

AHUs (plenum-type return fan only, no condenser units [see separate worksheet]):

Building Minimum Ventilation

												A-weighting adjustments	26	13	9	3	0	-1	-1	1	
												average of values for the two fan diameter ranges, per Guyer (Table 12)	plug	40	40	38	34	29	23	19	16	
												average of values for the two fan diameter ranges, per Guyer (Table 12)	tube	47	44	46	47	44	45	38	35	
												per Guyer (Table 12, presumed based on Bies & Hansen ENC)	prop	46	48	55	53	52	48	43	38	
percent GSF actually occupied (and need ventilation):			90																		
														A-weighted PWL (for CadnaA inputs)								
Tag	Building	GSF	Avail. SF	Height (ft)	Avg. minutes to change air*	Volume (ft3)	CFM	m^2	comparable facility function	Pressure (iwg)	Pressure (Pa)	Q (m^3/s)	fantype = plug, tube, or prop	63	125	250	500	1000	2000	4000	8000	OA dB
return air fans in building rooftop AHUs:																						
Bldg1	Building 1	300145	270131	45	20	12155873	607793.625	25109	warehouse/office space	2.5	625	287	plug	74	86	87	88	85	78	72	67	**93**
													fan or AHU cabinet liner/interior attenuation (excludes inlet/outlet PWL split, already in calcs above:	2	3	4	5	6	8	10	10	

*from Loren Cook's "Engineering Cookbook", 1999 edition, p. 42

ACCs (air-cooled chillers on rooftops):

Building Interior Comfort

with or without sound insulation? (enter Y/N): y

actual percent of GSF occupied: 95

	tons	LWA	unweighted PWL (dB) per OCBF (Hz) at full load (100%) 63	125	250	500	1000	2000	4000	8000	data for models "without sound insulation" or no "sound blankets" LWA	63	125	250	500	1000	2000	4000	8000	data for models "with sound insulation" or "sound blankets" LWA	63	125	250	500	1000	2000	4000	8000
Bryant BH16-018 (no sound blanket)	1.5	67	66.2	66.2	63.9	63.8	62.3	58.4	56.4	50.3	68	66.2	66.2	63.8	64.1	64.6	59.9	57.7	53.6	67	66.2	66.2	63.9	63.8	62.3	58.4	56.4	50.3
Bryant BH16-024 (no sound blanket)	2	71	65	65	63.7	63.4	68.5	64.7	58.7	52.8	72	63.4	63.4	63.3	63.3	70.4	64.5	59.3	55.5	71	65	65	63.7	63.4	68.5	64.7	58.7	52.8
Bryant BH16-036 (no sound blanket)	3	71	68.2	68.2	66.4	67.5	68.4	59.6	58.2	52.4	72	67.7	67.7	66.8	68.1	69.9	62.8	60.3	55.2	71	68.2	68.2	66.4	67.5	68.4	59.6	58.2	52.4
Bryant BH16-048 (no sound blanket)	4	71	68.4	68.4	67.7	69.7	67.6	59.4	56.4	50	73	67.5	67.5	67.8	70.1	70.6	63.1	58.5	53.3	71	68.4	68.4	67.7	69.7	67.6	59.4	56.4	50
Bryant BH16-060 (no sound blanket)	5	69	63.7	63.7	65.4	67.3	64.9	58.3	56.2	51.9	70	61.7	61.7	65.6	68.1	65.8	59.8	58.4	56.1	69	63.7	63.7	65.4	67.3	64.9	58.3	56.2	51.9
Daikin AGZ-E 30 (w/out sound insulation)	30	85	84	84	83	84	77	75	74	70	88	92	91	88	87	83	78	73	68	85	84	84	83	84	77	75	74	70
Daikin AGZ-E 40 (w/out sound insulation)	40	85	84	84	83	84	77	75	74	70	89	92	91	90	88	84	79	74	69	85	84	84	83	84	77	75	74	70
Daikin AGZ-E 50 (w/out sound insulation)	50	87	85	85	85	86	80	77	75	70	90	93	93	91	89	85	79	74	69	87	85	85	85	86	80	77	75	70
Daikin AGZ-E 60 (w/out sound insulation)	60	87	85	85	85	86	80	77	75	70	91	94	93	94	89	86	81	76	71	87	85	85	85	86	80	77	75	70
Daikin AGZ-E 70 (w/out sound insulation)	70	87	85	85	85	86	80	77	75	70	92	95	95	94	89	87	81	76	71	87	85	85	85	86	80	77	75	70
Daikin AGZ-E 80 (w/out sound insulation)	80	88	88	85	87	86	81	81	77	71	92	95	95	95	89	87	81	76	71	88	88	85	87	86	81	81	77	71
Daikin AGZ-E 90 (w/out sound insulation)	90	88	88	87	87	86	83	80	77	71	93	94	95	92	91	89	83	81	81	88	88	87	87	86	83	80	77	71
Daikin AGZ-E 120 (w/out sound insulation)	120	89	91	85	88	86	82	81	79	72	95	93	96	92	92	90	84	84	82	89	91	85	88	86	82	81	79	72
Daikin AGZ-E 240 (w/out sound insulation)	241	94	94	88	91	90	91	84	82	75	100	98	98	98	95	96	90	90	86	94	94	88	91	90	91	84	82	75

Phase	Building Tag	GSF	Avail. SF	comparable facility function	Avg. GSF per ton*	tons of refrig.	Approx. Qty. of ACCs	tons per ACC	Approx. Total PWL (dBA)	unweighted PWL (dB) per OCBF (Hz) at full load (100%) 63	125	250	500	1000	2000	4000	8000	
Bldg1	Building 1	300145	285138	Office building, avg. of low and high	275	1036.9	8	130	**98**	100	94	97	95	91	90	88	81	**104**

*based upon "lo" value per Loren Cook's "Engineering Cookbook", 1999 edition, pp. 59-60

from CMS "Midpoint at 237" March 27, 2014 noise study

	dBA	dist (feet)	at 50'	Dudek time estimate: minutes per hour	hourly Leq	source	PWL
truck passby	68	30	63.6	2	48.8	**traveling on lot**	**83.5**
truck airbrakes	72	25	66.0	0.05	35.2	at dock	69.8
truck backup alarm	79	30	74.6	0.05	43.8	at dock	78.4
idle before shutoff	70	25	64.0	1	46.2	at dock	80.9
truck engine ignition + airbrakes	71	25	65.0	0.05	34.2	at dock	68.8
truck accelerating from stop	74	25	68.0	0.05	37.2	at dock	71.8
						total at dock	**83.5**

dock door quantities from siteplan		peak hour trips*	split**	log add***	log add split**
Building 1	docks	66			
	42		33.0	18.2	15.2

*(3 and 4-axle trucks)
**(based on dock ratio for the building)
***(to single truck noise levels)

This is the *daytime* operations scenario, when peak-hour truck trips would occur.

from CMS "Midpoint at 237" March 27, 2014 noise study

	dBA	dist (feet)	at 50'	Dudek time estimate minutes per hour	hourly Leq	source	PWL
truck passby	68	30	63.6	2	48.8	**traveling on lot**	**83.5**
truck airbrakes	72	25	66.0	0.05	35.2	at dock	69.8
truck backup alarm	79	30	74.6	0.05	43.8	at dock	78.4
idle before shutoff	70	25	64.0	1	46.2	at dock	80.9
truck engine ignition + airbrakes	71	25	65.0	0.05	34.2	at dock	68.8
truck accelerating from stop	74	25	68.0	0.05	37.2	at dock	71.8
						total at dock	**83.5**

dock door quantities from siteplan		peak hour trips*	split**	log add***	log add split**
Building 1	docks	16.5			
	42		8.3	12.2	9.2

*(3 and 4-axle trucks)
**(based on dock ratio for the building)
***(to single truck noise levels)

This is the *nighttime* operations scenario, when only up to 25% peak-hour truck trips would occur.

Appendix L
Transportation Impact Study

Transportation Impact Study

Palisade Santee Commerce Center Project

APRIL 2025

Prepared for:

NORTH PALISADES PARTNERS
130 Factory Place, Suite 105
Los Angeles, California 90013
Contact: William Jacobs, Senior Development Manager

Prepared by:

DUDEK

605 Third Street
Encinitas, California 92024
Contact: Sabita Tewani, AICP, PTP
Senior Transportation Planner

Printed on 30% post-consumer recycled material.

Table of Contents

SECTION **PAGE NO.**

1 Introduction 1
1.1 Purpose and Scope 1
1.2 Project Description and Location 3
1.3 Analysis Methodology 4
1.3.1 Vehicle Miles Traveled Analysis for CEQA 4
1.3.2 Level of Service Analysis for Non-CEQA 9
1.4 Need for Roadway Improvements and Mitigation Measures 10

2 Project Traffic 13
2.1 Trip Generation 13
2.2 Trip Distribution and Assignment 13

3 Existing Conditions 23
3.1 Roadway System 23
3.2 Transit System 24
3.3 Pedestrian and Bicycle Facilities 24

4 Vehicle Miles Traveled 33
4.1 VMT Screening Analysis 33
4.2 VMT Threshold of Significance 35
4.3 Project VMT Analysis 35
4.4 Cumulative VMT Impact 35
4.5 Mitigation Measures 36

5 Existing Traffic Conditions 43
5.1 Existing Traffic Volumes 43
5.2 Existing Operations 43
5.2.1 Existing Roadway Operations 43
5.2.2 Existing Intersection Operations 44
5.3 Existing plus Project Traffic Operations 47
5.3.1 Roadway Operations 47
5.3.2 Intersection Operations 47

6 Near Term Conditions 53
6.1 Cumulative Projects 53
6.1.1 Trip Generation 54
6.1.2 Trip Distribution and Assignment 54
6.2 Traffic Volumes 54

6.3 Near Term Operations 55
6.3.1 Near Term Roadway Operations 55
6.3.2 Near Term Intersection Operations 55
6.4 Near Term plus Project Traffic Operations 61
6.4.1 Roadway Operations 61
6.4.2 Intersection Operations 61

7 Horizon Year Conditions 67
7.1 Roadway Conditions 67
7.2 Traffic Volumes 67
7.3 Horizon Year Operations 67
7.3.1 Roadway Operations 67
7.3.2 Intersection Operations 67
7.4 Horizon Year plus Project Operations 68
7.4.1 Roadway Operations 68
7.4.2 Intersection Operations 68

8 Project Access, On-Site Circulation and Improvement Measures 75
8.1 Project Access Evaluation 75
8.2 On-Site Circulation and Parking 75
8.3 Improvement Measures 76
8.3.1 Project Access Driveway/N Woodside Avenue 76
8.3.2 N. Woodside Avenue Roadway Segment 76
8.3.3 N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp Intersection 77
8.3.4 N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp Intersection Queuing Analysis 77
8.3.5 Social, Economic and Pedestrian Safety Benefits of Proposed Improvement Measures 80

9 Project Design Feature and Mitigation Measure 81

10 Findings and Recommendations 83

11 References 85

TABLES

1 City of Santee Roadway Classifications and Standards 9
2 Levels of Service for Intersections using HCM Methodology 10
3 Determination of the Need for Roadway Improvements 10
4 Project Trip Generation Summary 14
5 Project VMT Summary 35
6 Transportation Demand Management Measures 36
7 Existing Roadway Segment Analysis 43
8 Existing Peak Hour Intersection Level of Service 44

9 Existing and Existing plus Project Roadway Level of Service 49
10 Existing and Existing plus Project Peak Hour Intersection Level of Service 49
11 Description of Cumulative Projects 53
12 Cumulative Projects Trip Generation Summary 54
13 Near Term Roadway Level of Service 63
14 Near Term Peak Hour Intersection Level of Service 63
15 Horizon Year Roadway Level of Service 73
16 Horizon Year Peak Hour Intersection Level of Service 73
17 Queuing Summary for Existing Conditions (95th Percentile Queue) 79

FIGURES

1 Project Location and Study Area 5
2 Site Plan 7
3 Project Trip Distribution 15
4 Project Trip Assignment (Cars) 17
5 Project Trip Assignment (Trucks - PCE) 19
6 Project Trip Assignment (Cars and Trucks - PCE) 21
7 Intersection Control and Geometrics 27
8a Transit Facilities 29
8b Bike Facilities 31
9 SANDAG SB 743 Map 41
10 Existing Peak Hour Traffic Volumes (PCE) 45
11 Existing plus Project Peak Hour Traffic Volumes (PCE) 51
12 Cumulative Project Locations and Peak Hour Traffic Volumes 57
13 Near Term Peak Hour Traffic Volumes (PCE) 59
14 Near Term plus Project Peak Hour Traffic Volumes (PCE) 65
15 Horizon Year Peak Hour Traffic Volumes (PCE) 69
16 Horizon Year plus Project Peak Hour Traffic Volumes (PCE) 71

APPENDICES

A Transportation Scoping Document
B VMT Mitigation Measures
C Traffic Counts
D Signal Timing Sheets
E Intersection LOS Worksheets – Existing Conditions
F Cumulative Projects Information
G Intersection LOS Worksheets – Near Term Conditions
H Intersection LOS Worksheets – Horizon Year

I Excerpt from AASHTO - Left Turn Lane Evaluation
J Conceptual Sketch - N. Woodside Avenue/ S. Woodside Avenue - SR-67 SB Off-Ramp Intersection
K Queuing Worksheets
L Applicant Prepared Request for Finding of Overriding Social, Economic, and Pedestrian Safety Benefit

1 Introduction

1.1 Purpose and Scope

The purpose of this Transportation Impact Study (TIS) is to identify impacts associated with a proposed 300,145 square foot (SF) industrial/warehousing building (proposed project or project) in the City of Santee (City). Pursuant to Senate Bill (SB) 743, the focus of transportation analyses has shifted from vehicle delay (and level of service [LOS]) to vehicle miles traveled (VMT) under the California Environmental Quality Act (CEQA). Given the need to prepare VMT-based CEQA transportation impact analyses per SB 743, the City's VMT guidelines were released in April 2022. The need to evaluate the performance of the roadway system based on delay and LOS is for General Plan consistency requirements. The objectives of this study are to provide both, CEQA and non-CEQA assessments of the project per analysis methodology and guidelines adopted by the City. Therefore, this TIS has been prepared consistent with the City of Santee VMT Analysis Guidelines (April 13, 2022), Guidelines for Transportation Impact Studies in the San Diego Region (May 2019) and the City of Santee Mobility Element (October 2017).

The scope of the analysis was submitted to the City for approval prior to preparing this study. The approved scope is included in Appendix A.

CEQA Assessment

- Provide a VMT analysis per SB 743, CEQA requirements, and City's VMT Analysis Guidelines.
- Identify mitigation measures for any significant transportation impacts.

The study area for the CEQA analysis is the San Diego region, and the SANDAG SB 743 VMT maps have been used in the project's VMT analysis.

Non-CEQA Assessment

- Estimate trip generation, distribution, and assignment characteristics of the project.
- Document existing roadway, pedestrian, bicycle, and transit facilities in the study area.
- Document Existing, Near Term, and Horizon Year traffic conditions (without and with project), including intersection LOS and roadway segment capacity analysis.
- Analyze the potential for LOS and capacity effects to occur as a result of the project under the Existing Near Term and Horizon Year conditions.
- Provide evaluation of left turn at the project access driveway at Woodside Avenue.
- Describe if any operational or physical network improvements are needed.
- Provide findings and recommendations based on the non-CEQA assessment of the project.

The study area for the LOS analysis is generally based on the threshold of 50 or more AM or PM peak-hour project trips that pass through an intersection. Based on the project's trip generation (Table 1) and trip distribution shown on Figure 3, the following roadway segments and intersections are proposed for the project's LOS analysis:

Roadway Segments

1. N. Woodside Avenue, between Project Driveway and Woodside Avenue
2. Woodside Avenue, between Magnolia Avenue and N. Woodside Avenue – Woodside Avenue
3. Magnolia Avenue, between Woodside Avenue-Mission Gorge Road and State Route (SR)-52 westbound on-ramp-SR-67 southbound on-ramp

Intersections

1. Magnolia Avenue/SR-52 eastbound off-ramp
2. Magnolia Avenue/SR-52 westbound on-ramp - SR-67 southbound on-ramp
3. Magnolia Avenue-Mission Gorge Road/Woodside Avenue
4. N. Woodside Avenue/Woodside Avenue – SR-67 southbound off-ramp
5. Hartley Road/N. Woodside Avenue
6. Wheatlands Avenue/N. Woodside Avenue
7. Project Access Roadway/N. Woodside Avenue

Figure 1, Project Location and Study Area, shows the project location and study area selected to assess the project's potential traffic effects.

Analysis Scenarios

Roadway segment and intersection LOS analyses were prepared for the weekday 24-hour average daily traffic (ADT) condition and AM and PM peak hours at the study area roadway segments and intersections, respectively, for the following analysis scenarios:

Existing Conditions

The TIS includes a description of existing traffic conditions in the site vicinity, including existing roadway system, existing weekday AM and PM peak-hour traffic volumes, and operational analysis of the study area roadway segments and intersections. The existing condition is representative of the year 2023.

Existing plus Project

This condition includes analysis of traffic operations under existing conditions with project traffic added to the existing ADT and AM and PM peak hour intersection traffic volumes. The traffic effects specific to the project under this condition were used as the basis for determining the project's direct effects.

Near Term Conditions

This condition includes analysis of traffic operations under Near Term conditions within a short-term horizon period of approximately three years where the proposed project is constructed and fully occupied. Near Term traffic volumes (ADT and AM and PM peak hour) include existing traffic volumes and traffic generated by other approved and pending projects in the study area. The approved or pending projects are developments in the review process, but not fully approved; or projects that have been approved, but not fully constructed or occupied.

Near Term plus Project

This condition includes analysis of traffic operations under Near Term conditions with project traffic added to the Near-Term ADT and AM and PM peak hour intersection traffic volumes. The traffic effects specific to the project under this condition were used as the basis for determining the project's short-term cumulative effects.

Horizon Year Conditions

This condition includes analysis of traffic operations under Horizon Year conditions within a long-term period and is generally consistent with Year 2035. The horizon Year traffic volumes (ADT and AM and PM peak hour) have been estimated using the recently approved Fanita Ranch Traffic Impact Study (LLG 2020).

Horizon Year plus Project

This condition includes analysis of traffic operations under Horizon Year conditions with project traffic added to the Horizon Year ADT and AM and PM peak hour intersection traffic volumes. Based on review of the SANDAG land use and trip rate used in the General Plan Mobility Element for the traffic analysis zone (TAZ) the project is located within, it was noted that the project trip generation exceeded the TAZ trip generation for allowable light industrial use by approximately 33.6%. Therefore, to account for the additional project trip generation, approximately, 33.6% of the project traffic was added to the Horizon Year intersections and roadway segments. The Horizon Year intersection volumes were not available for the entire study area along Woodside Avenue. Therefore, to provide a conservative analysis, 100% of the project trips were assigned to the project driveways and intersections along Woodside Avenue near the project site. The traffic effects specific to the project under this condition were used as the basis for determining the project's long-term cumulative effects.

1.2 Project Description and Location

The proposed project includes the demolition of the existing drive-in theater and the construction of a 300,145 SF industrial/warehousing building as well as associated improvements including loading docks, trailer stalls, passenger vehicle parking spaces, and street, sidewalk, and landscape improvements. The building could be used for multiple tenants for warehousing and distribution, manufacturing, assembly, research and development, and related office uses. The project is located at 10990 Woodside Avenue in the City. The Assessor Parcel Number (APN) of the Project site is 381-070-5200. The City's General Plan Land Use Map designates the project site the entire site as Light Industrial.

Figure 1 illustrates the project's location. Regional access to the project site is available from SR-52 and SR-67 via Magnolia Avenue, Woodside Avenue, and Riverford Road. The Project would be accessed via a dedicated drive aisle on Woodside Avenue which leads to two 40-foot-wide driveways. These driveways and an on-site roadway would provide access to the vehicle parking lots and two truck courts. Vehicle parking for employees would be in parking lots along the periphery of the project site. The site plan of the proposed project is shown on Figure 2.

1.3 Analysis Methodology

1.3.1 Vehicle Miles Traveled Analysis for CEQA

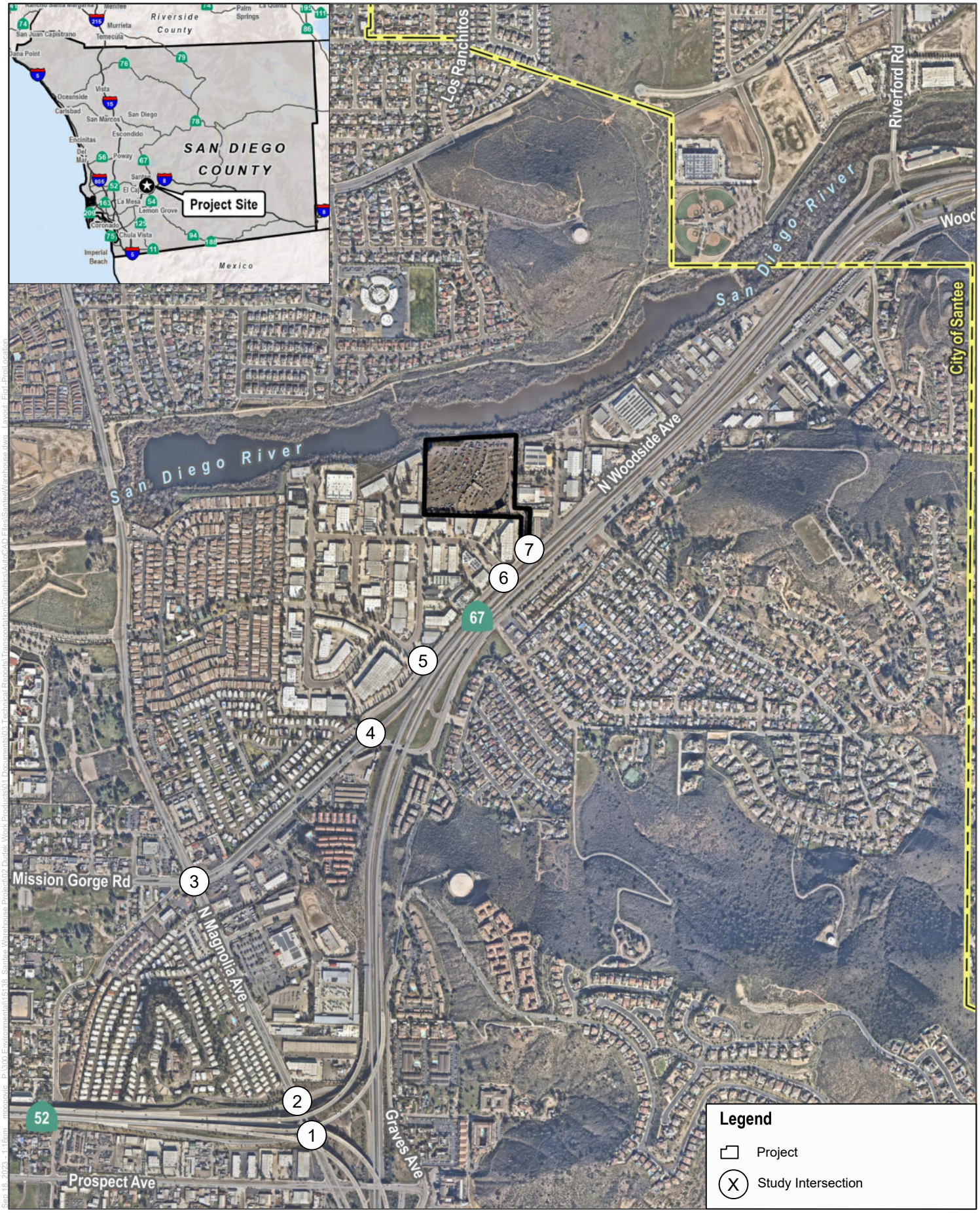
On September 27, 2013, SB 743 was signed into law, which creates a process to change the way that transportation impacts are analyzed under CEQA. SB 743 required the Governor's Office of Planning and Research (OPR) to amend the CEQA Guidelines to provide an alternative to LOS for evaluating transportation impacts. Under the new transportation guidelines, LOS, or vehicle delay, will no longer be considered an environmental impact under CEQA. The updates to the CEQA Guidelines required under SB 743 were approved on December 28, 2018. These guidelines identify VMT as the most appropriate measure of transportation impacts under CEQA and were required to be implemented on July 1, 2020.

The requirements to prepare a detailed transportation VMT analysis apply to all discretionary land development projects that are not exempt from CEQA, except those that meet at least one of the transportation screening criteria. A project that meets at least one of the screening criteria below would be presumed to have a less than significant VMT impact due to project characteristics and/or location.

Per the City's TIA guidelines, for project's that do not screen out VMT should include analysis using the SANDAG Regional Travel Demand Model. The model outputs can be used to produce VMT/capita, VMT/employee, and Total VMT. For employment projects (Industrial/Non-industrial), the City's VMT guidelines the following criteria:

- For projects that generate fewer than 2,400 daily unadjusted driveway trips: Identify the location of the project on the City's VMT/employee map. The project's VMT/employee will be considered the same as the VMT/capita of the TAZ as shown on the VMT/employee map. Compare the project's VMT/employee to the threshold to determine if the impact is significant, or, if desired or requested by the City, input the project into the SANDAG Regional Travel Demand Model to determine the project's VMT/employee.
- For projects that generate 2,400 or greater daily unadjusted driveway trips: Larger projects will typically be analyzed using a custom model run by inputting the project into the SANDAG Regional Travel Demand Model. To perform the analysis, all project land uses should be inputted, and the VMT/employee should be determined using the same method/scripts that SANDAG utilizes to calculate the VMT/employee threshold. There may be some circumstances where the use of screening maps or other sketch modeling tools are appropriate for larger projects, especially if the project has the same characteristics of the land uses that are already contained in the TAZ where the project is located or if the project is unique in nature and project specific travel behavior information is available.

As shown in Section 2 Project Traffic, the project would generate less than 2,400 daily trips. As shown in Section 3.0, the project would not meet any VMT screening criteria, therefore, the project's VMT evaluation has been conducted using the SANDAG SB 743 VMT maps.



SOURCE: SanGIS, Open Street Maps

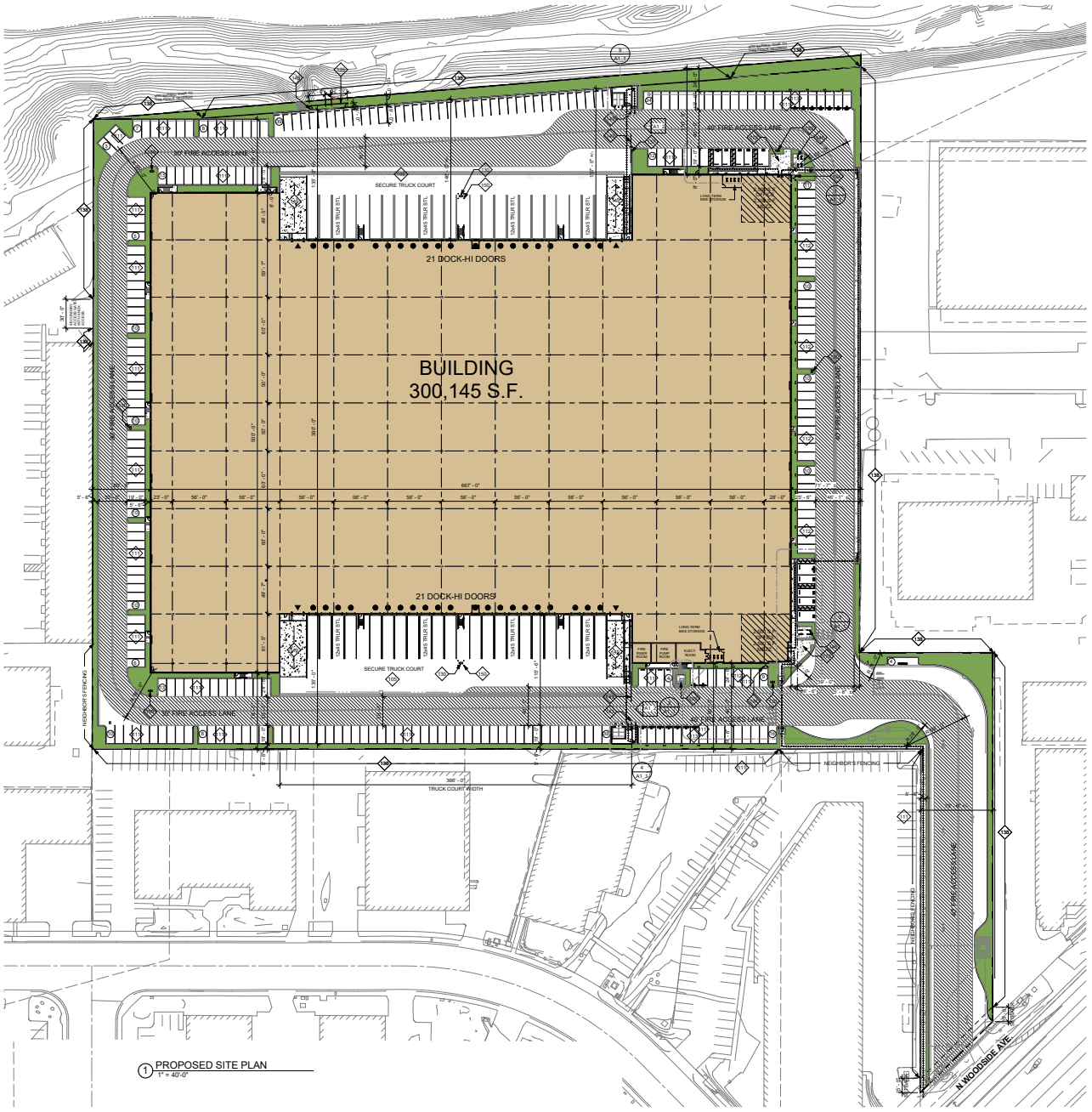
NOT TO SCALE

FIGURE 1

Project Location and Study Area

Palisade Santee Commerce Center Project

INTENTIONALLY LEFT BLANK



DEVELOPER/OWNER

NORTH PALISADE PARTNERS
1330 FACTORY PLACE #105, LOS ANGELES, CA 90013
CONTACT: BRIAN WONG
PHONE: 310.242.1812
EMAIL: BRIAN.WONG@NORTHPALISADE.COM
WEBSITE: WWW.NORTHPALISADE.COM

APPLICANT'S REPRESENTATIVE/ARCHITECT

HERDMAN ARCHITECTURE & DESIGN, INC.
100 BAYVIEW CIRCLE SUITE 100
NEWPORT BEACH, CA 92660
CONTACT: BRIDGET HERDMAN
PHONE: 714.389.2800
EMAIL: PROJECTADMIN@HERDMAN-AD.COM

SCOPE OF WORK

CONSTRUCT NEW ONE STORY + MEZZANINE CONCRETE TILT-UP WAREHOUSE/DISTRIBUTION FACILITY WITH ELECTRICAL AND PLUMBING SERVICES, EXTERIOR LIGHTING, LANDSCAPING & IRRIGATION, TRASH ENCLOSURES, CONCRETE SCREEN WALLS, AND SLIDING/SWINGING METAL GATES. FIRE SPRINKLER AND GRADING PLANS TO BE A SEPARATE SUBMITTAL AND PERMIT

LEGAL DESCRIPTION & ZONING

LEGAL DESCRIPTION: SEE CIVIL

ASSESSOR'S PARCEL NO.: 381-070-52-00

PROJECT INFORMATION & AREA ANALYSIS

BUILDING ADDRESS: 10990 WOODSIDE AVE. SANTEE, CA 92071
CONSTRUCTION TYPE: II-B
OCCUPANCY: B / S-1
FIRE SPRINKLER: YES (ESFR NFPA 72, NFPA 13 & NFPA 24)
CLEAR HEIGHT: 36'

ZONING:
GENERAL PLAN: G-I (NERAL INDUSTRIAL)
SPECIFIC PLAN: N/A
FEMA FLOOD ZONE: NO FLOOD ZONE

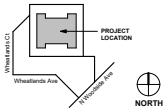
BUILDING SETBACKS:
FRONT SETBACK: 15'
SIDE SETBACK: 5'
REAR SETBACK: NONE

ALLOWABLE AREA:
UNLIMITED AREA PER CBC 507 PER TABLE 508.2

SHEET INDEX

A0	TITLE SHEET
A1	SITE PLAN
A1_0	SITE UTILIZATION MAP
A1_1	ENLARGED PARTIAL SITE PLANS
A1_2	GATE & FENCE ELEVATION
A1_4	STRIPING & SIGNAGE PLAN
A2	GROUND LEVEL FLOOR PLANS
A4	EXTERIOR ELEVATIONS
A5	EXTERIOR ELEVATION COLOR BOARD
C1	CONCEPTUAL GRADING PLAN
C2	CONCEPTUAL UTILITY PLAN
L-1	CONCEPTUAL LANDSCAPE PLAN
L-2	LANDSCAPE SECTIONS
FC-1.0	SITE PHOTOMETRIC PLAN
R-1	RENDERING
R-2	RENDERING
R-3	RENDERING
R-4	RENDERING
R-5	RENDERING
R-6	RENDERING

VICINITY MAP



SITE PLAN GENERAL NOTES

1. THE SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS.
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS.
3. U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTER LINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL FRAMING.
4. REFER TO CIVIL AND MEP PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECT'S SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
5. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY.
6. ALL ACCESSIBLE ROUTES IDENTIFIED ON THE SITE PLAN DRAWINGS SHALL CONFORM TO THE FOLLOWING:
   a) SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%, CROSS SLOPES DO NOT EXCEED 2%.
   b) THE CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN.
   c) CHANGES IN LEVEL UP TO 1/2" COMPLY w/ 11A\D.2.1. CHANGES IN LEVEL GREATER THAN 1/2" IF THEY OCCUR ARE RAMPED. SEE PLANS.
   d) THE VERTICAL CLEARANCE ALONG THE ACCESSIBLE ROUTE IS 80" MIN.
7. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH, 6" WIDE CONCRETE CURB U.O.N.
8. A CONCRETE MOW STRIP EXTENDING 12" BEYOND EA END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 3' VERTICAL OF THE FINISHED GRADE. SEE 2/AD1.1
10. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. IF PIPE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND OR FIRE AUTHORITY SEE DETAIL 3/AD1.1
11. ALL EXPOSED BIORETENSION DEVICE COVERINGS SHALL BE PAINTED FOREST GREEN.
12. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO SPACE. WALLS SHALL BE DAMP PROOFED FROM ADJACENT FLOOR SLAB IN BELOW GRADE. SEE 6/AD1.2
13. PROVIDE A HOSE BIB NEAR THE MAIN ENTRANCE AND IN THE TRASH ENCLOSURE. SEE PLAN FOR LOCATION.

KEYNOTES

105	CONCRETE PAVING.
109	(N) TRANSFORMER LOCATION.
111	TYP U.O.N., STANDARD PARKING STALL. 9'-0" WIDE x 19'-0" DEEP
112	EV (ELECTRIC VEHICLE) CAPABLE PARKING STALL. PROVIDE FOR FUTURE EVSE (ELECTRIC VEHICLE SUPPLY EQUIPMENT). MATCH STANDARD STALL SIZE
113	EVCS (ELECTRIC VEHICLE CHARGING STATION). PROVIDE EVSE (ELECTRIC VEHICLE SUPPLY EQUIPMENT). MATCH STANDARD STALL SIZE.
130	(N) FIRE HYDRANT.
134	FIRE DEPARTMENT CONNECTION (FDC).
135	PRE-CAST CONCRETE FENCE SUPPORTED BY METAL POSTS FROM GREENFIELD FENCE. MIN HEIGHT 6'ABOVE HIGHEST ADJACENT FINISHED GRADE. PAINT BOTH SIDES AND TOP OF WALL.
137	TUBE STEEL FENCE. MIN HEIGHT 8' ABOVE HIGHEST ADJACENT FINISHED GRADE.
138	CHAIN LINK FENCE. MIN HEIGHT 8' ABOVE HIGHEST ADJACENT FINISHED GRADE.
143	PAINTED STEEL ROLLING GATE(S). MIN HEIGHT 8' ABOVE HIGHEST ADJACENT FINISHED GRADE OR AS SHOWN ON EXTERIOR ELEVATIONS. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.
145	PAINTED STEEL SWINGING PEDESTRIAN GATE. WHEN OCCURS IN TUBE STEEL FENCE, ALIGN TOP w/ FENCE HEIGHT. WHEN OCCURS IN CONCRETE SCREEN WALL, U.O.N., ALIGN TOP w/ SCREEN WALL. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.
146	2 POSITION BIKE RACK.
149	CONCRETE TRUCK RAMP w/ 42" HIGH CONCRETE TILT-UP GUARD ON OPEN SIDE(S). PAINT ALL SIDES OF GUARD WALLS AND HANDRAILS SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
150	STEEL PIPE BOLLARD PROTECTION POST.
178	OUTDOOR EMPLOYEE BREAK AREA.

LOT AREA

SQUARE FOOTAGE	ACRES
587730 SF	13.49

FLOOR AREA RATIO

BUILDING AREA	SITE AREA	FAR ALLOWABLE	FAR PROVIDED
300145 SF	587730 SF	100%	51.1%

BUILDING AREA SUMMARY

NAME	AREA
GROUND FLOOR	
WAREHOUSE	290145 SF
OFFICE	2500 SF
OFFICE	2500 SF
	295145 SF
MEZZANINE	
OFFICE	5000 SF
	5000 SF
GROUND LEVEL + MEZZANINE	
WAREHOUSE	290145 SF
OFFICE	10000 SF
TOTAL BUILDING AREA	300145 SF

LANDSCAPE AREA SUMMARY

* SEE LANDSCAPE PLAN

TOTAL PARKING REQUIRED

BUILDING USE	BUILDING AREA	PARKING RATIO 1/X	REQ. PARKING
OFFICE	10000 SF	1000	11
WAREHOUSE	290145 SF	1000	291
TOTAL: 4	300145 SF		302

REQUIRED PARKING BREAKDOWN

SPACE TYPE	SPACES REQUIRED
STANDARD STALLS	230
STANDARD ACCESSIBLE STALLS	6
VAN ACCESSIBLE STALLS	2
EV CAPABLE STALL (w/o EVSE)	45
EVCS (EV CAPABLE STALL w/ EVSE)	16
STANDARD ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
VAN ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
TOTAL	301

PARKING PROVIDED

SPACE TYPE	SPACES PROVIDED
STANDARD STALLS	230
STANDARD ACCESSIBLE STALLS	6
VAN ACCESSIBLE STALLS	2
EV CAPABLE STALL (w/o EVSE)	45
EVCS (EV CAPABLE STALL w/ EVSE)	16
STANDARD ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
VAN ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
TOTAL	301

SITE LEGEND

LANDSCAPE AREA

CONCRETE PAVING WHEN OCCURS @ PARKING AREAS, DRIVE AISLES, & OR TRUCK COURT. SEE CIVIL DRAWINGS FOR PAVING SECTIONS

FIRE HYDRANT. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY THE FIRE AUTHORITY. SEE 3/AD1.1

STREET LIGHT

INDICATES AN ACCESSIBLE ROUTE. MUST COMPLY w/ SITE PLAN GENERAL NOTE #6

PROPERTY LINE

DOCK HIGH DOOR

DRIVE THRU. DOOR

PROJECT
PALISADE SANTEE COMMERCE CENTER
SANTEE, CA
FINAL APPROVAL SET

NORTH PALISADE PARTNERS

HERDMAN ARCHITECTURE + DESIGN

A22-2164
06.04.2024

SITE PLAN

NORTH

A1

6/4/2024 11:26:36 AM

SOURCE: Herdman Architecture + Design 2023

DUDEK NOT TO SCALE

FIGURE 2
Site Plan
Palisade Santee Commerce Center Project

INTENTIONALLY LEFT BLANK

1.3.2 Level of Service Analysis for Non-CEQA

In addition to a VMT analysis required under CEQA, the City determines the need for a transportation analysis in conformance with the land use and transportation elements of the General Plan. The City uses the criteria from the *Guidelines for Transportation Impact Studies in the San Diego Region* (May 2019).

Per the regional guidelines, a traffic analysis would be required if a project exceeds 500 ADT and is inconsistent with the adopted General Plan or exceeds 1,000 ADT and is consistent with the adopted General Plan.

As discussed in Section 2, the project is forecast to generate 1,440 passenger car equivalent [PCE] daily trips. Therefore, this study provides a traffic analysis discussing operations of selected roadway segments and intersections, under existing, near-term, and horizon year conditions.

LOS is commonly used as a qualitative description of intersection operations and roadway segments and is based on the design capacity of the intersection configuration and roadway facility, compared to the volume of traffic using the facility. The acceptable LOS for the City is LOS D.

1.3.2.1 Roadway Segments

Roadway segment analysis is based upon the comparison of ADT to the City of Santee Mobility Element Roadway Classification LOS and Standards Table. This table provides level of service thresholds for different street classifications, based on traffic volumes, and roadway characteristics. Table 1 presents guidance on the levels of ADT that can be accommodated on various types of roadways, based on level of service.

Table 1. City of Santee Roadway Classifications and Standards

Class	Lanes	Level of Service (LOS)				
		A	B	C	D	E
Prime Arterial	6	25,000	35,000	50,000	55,000	60,000
Major Arterial	4	15,000	21,000	30,000	35,000	40,000
Parkway	4	15,000	21,000	30,000	35,000	40,000
	2 lanes w/TWLTL	5,000	7,000	10,000	13,000	15,000
	2	4,000	5,500	7,500	9,000	10,000
Collector	2 lanes w/TWLTL	5,000	7,000	10,000	13,000	15,000
	2	2,500	3,500	5,000	6,500	8,000
	2	2,500	3,500	5,000	6,500	8,000
Non-Circulation Element						
Industrial Local	2	—	—	2,200*	—	—
Residential Local	2	—	—	2,200*	—	—
Cul-de-sac Street	2	—	—	300*	—	—
Hillside Street	2	—	—	700*	—	—

Source: City of Santee Mobility Element, Adopted by City Council October 25, 2017 (Resolution No. 114-2017)
Notes:
* Represents design capacity of non-CE road. LOS does not apply to non-CE roads.

1.3.2.2 Intersections

The *Highway Capacity Manual, 6th Edition* (HCM 6) methodology (Transportation Research Board 2016) was used to analyze the operation of the signalized study intersections. The HCM analysis methodology describes the operation of an intersection using a range of LOS from LOS A (free-flow conditions) to LOS F (severely congested conditions), based on the corresponding control delay experienced per vehicle. The Synchro 11 LOS software was used to determine intersection LOS. Synchro is consistent with the HCM 6 methodology.

Table 2 shows the LOS values by delay ranges for unsignalized and signalized intersections under the HCM methodology.

Table 2. Levels of Service for Intersections using HCM Methodology

Level of Service	Unsignalized Intersections Control Delay (in seconds per vehicle)	Signalized Intersections Control Delay (in seconds per vehicle)
A	< 10.0	< 10.0
B	> 10.0 to < 15.0	> 10.0 to < 20.0
C	> 15.0 to < 25.0	> 20.0 to < 35.0
D	> 25.0 to < 35.0	> 35.0 to < 55.0
E	> 35.0 to < 50.0	> 55.0 to < 80.0
F	> 50.0	> 80.0

Source: HCM 6 (TRB 2016).

A queuing analysis using SimTraffic 11 software was conducted was conducted to determine the 95th percentile (design) queue and the average queue of the existing and proposed storage lanes at the N. Woodside Avenue/S. Woodside Avenue – SR-67 SB Off-Ramp intersection. The 95th percentile and average queues are then compared to the provided storage lane lengths to determine whether the queue can be adequately stored.

1.4 Need for Roadway Improvements and Mitigation Measures

Table 3 indicates when a project's effect on the roadway system is considered to justify the need for roadway improvements. That is, if a project's traffic effect causes the values in this table to be exceeded, roadway improvements should be considered.

Table 3. Determination of the Need for Roadway Improvements

Level of Service with Project	Allowable change Due to Project Effect				
	Freeways		Roadway Segments		Intersections
	V/C	Speed (mph)	V/C	Speed (mph)	Delay (Seconds)
LOS E and F	0.01	1	0.02	1	2

Source: Table 7-1 Determination of the Need for Roadway Improvements, Guidelines for San Diego Region. Guidelines for Transportation Impact Studies in the San Diego Region (May 2019).
Notes: V/C = Volume-to-Capacity, mph = miles per hour

The San Diego region guidelines state that not all improvement measures can feasibly consist of roadway widening (new lanes or new capacity). Therefore, financing toward a defined Intelligent Transportation System project, enhanced traffic signal communications project, or active transportation projects should be considered.

Additionally, per City of Santee Mobility Element Policy 2.1, “The City shall encourage an automobile Level of Service “D” on street segments and at intersections throughout the circulation network while also maintaining or improving the effectiveness of the non-automotive components of the circulation system (i.e. pedestrians, bicyclists, and public transit). The City may approve a lower automobile Level of Service if it finds that the effectiveness of non-automotive components of the circulation system would be maintain ed or improved as a result. In other cases, the City shall not approve any development that causes a drop in the level of service at a street segment or an intersection to LOS "E" or "F", after feasible mitigation, without overriding social, economic, or other benefits.

For impacts related to CEQA analysis, i.e., VMT analysis, mitigation measures may include Transportation Demand Management recommendations – transit facilities, bike facilities, telecommuting, rideshare programs, flex-time, carpool incentives, parking cash-out, complete or partial subsidization of transit passes, etc.

INTENTIONALLY LEFT BLANK

2 Project Traffic

This section documents the trip generation, distribution, and assignment of project traffic in the study area. Due to discrepancies between industrial trip rates provided in SANDAG and ITE trip generation sources, the City allowed Dudek to conduct a Trip Generation Survey to determine the appropriate trip generation rates for the project. A trip generation survey of existing, similar industrial land uses was conducted to substantiate the use of trip rates from the current edition of the Institute of Transportation Engineers (ITE) Trip Generation, 11th Edition (2021). See Appendix A for details on the Trip Generation Survey and selection of ITE Industrial Park trip rate for the proposed project.

2.1 Trip Generation

Based on the driveway traffic count results, and the trip generation observed at all three industrial use sites (see Appendix A), the City approved the use of the ITE trip generation rate for the Industrial Park use (ITE Code 130) to estimate the project's daily, AM peak hour, and PM peak hour trip generation. The ITE daily trip rate (3.37 trips/TSF) is higher than Site 1 which had the highest surveyed empirical rate (3.15 trips/TSF). Additionally, to provide a conservative estimate of truck trips, the warehouse truck fleet mix from the South Coast Air Quality Management District's (SCAQMD) Warehouse Truck Trip Study Data Results and Usage (2014) was used to estimate project-related truck traffic. Based on the SCAQMD data, passenger cars would account for 72.5% trips of the total trips generated by a warehouse facility, and truck trips would account for approximately 27.5% of the total trips. The ITE and SCAQMD trip generation data are widely used for other industrial projects in southern California.

The total percentage of truck trips were further divided by 2-axle, 3-axle, and 4+ axle trucks per the SCAQMD study. These truck trips generated by the project are provided in passenger car equivalence (PCE) trips by using appropriate PCE factors. PCE factors consistent with the standard practice were used to estimate the total PCE trips for the project.

Using the trip rate for an Industrial Park contained in the ITE Trip Generation Manual, the project's daily, AM peak hour, and PM peak hour trips were estimated. As shown in Table 4, the proposed project would generate approximately 1,011 daily non-PCE trips, 102 AM peak hour trips (83 inbound and 19 outbound), and 103 PM peak hour trips (23 inbound and 80 outbound). Adjusting for PCE, the proposed project would generate approximately 1,440 daily PCE trips, 148 AM PCE peak hour trips (121 inbound and 27 outbound), and 146 PM PCE peak hour trips (30 inbound and 116 outbound).

2.2 Trip Distribution and Assignment

Project trip distribution percentages are based on logical travel paths to and from the project site, review of traffic studies conducted for nearby projects, and consideration of the traffic distribution patterns in the area. Figure 3 illustrates the proposed project trip distribution. As shown in the figure, approximately 80% of the passenger cars would west and 20% would travel east along Woodside Avenue from the project site. A majority of project-related trucks (approximately 90%) would travel west on Woodside Avenue to access the SR-52 ramps from Magnolia Avenue. The remaining 10% of project trucks would travel east on Woodside Avenue.

Based on the distribution percentage, Figures 4, 5, and 6 illustrate the project trip assignment for cars, trucks, and total trips (in PCE), respectively.

Table 4. Project Trip Generation Summary

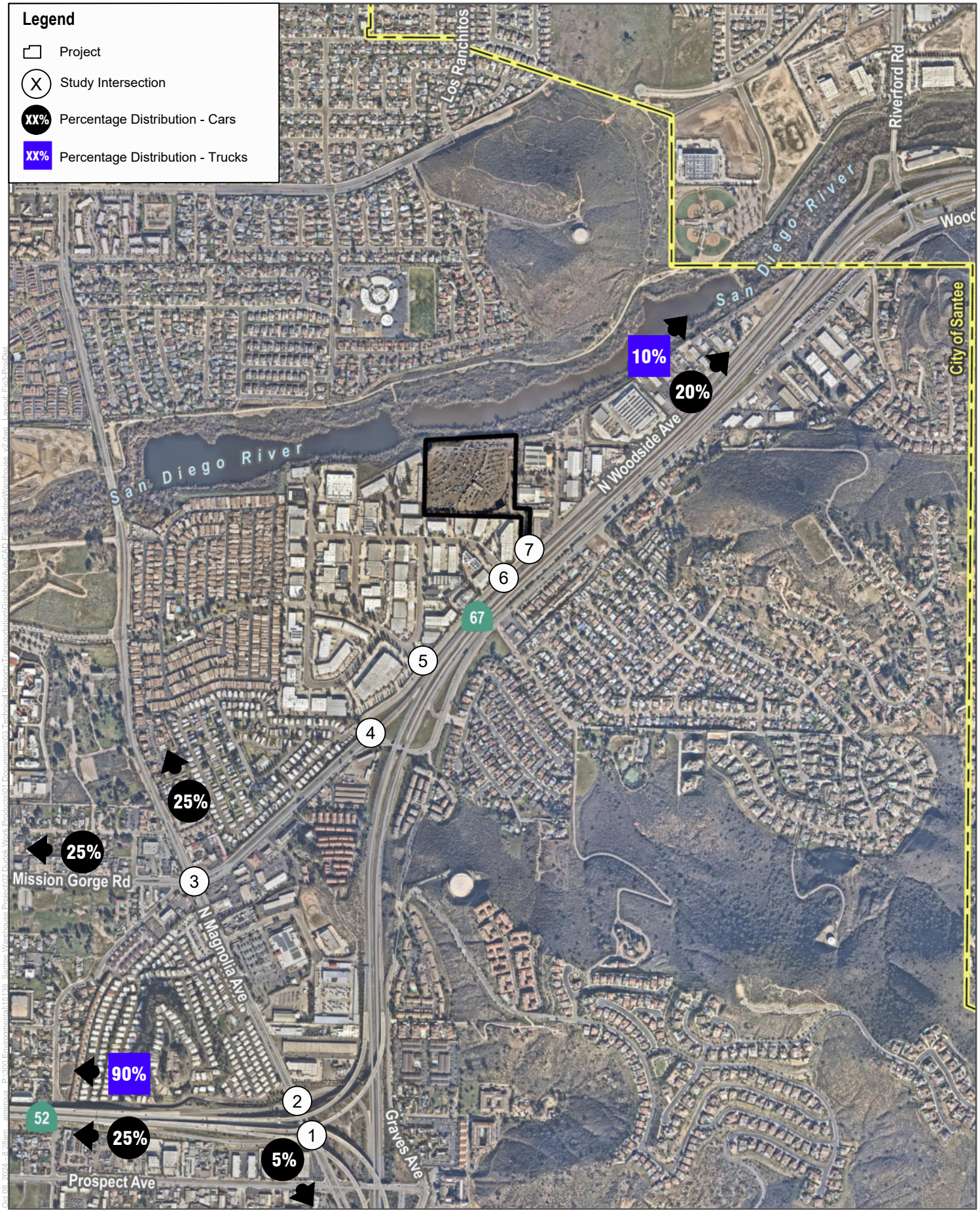
Land Use	Daily Trip Rate/Unit		AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
Trip Rates and Trip Generation								
Industrial Park1	3.37 trips/TSF		0.28	0.06	0.34	0.07	0.27	0.34
Land Use	**Units**	**Daily**						
Project (300.145 TSF)	**Total Trips (non-PCE)**	**1,011**	**83**	**19**	**102**	**23**	**80**	**103**
	Passenger Cars	*733*	*60*	*14*	*74*	*16*	*58*	*74*
	Trucks (non-PCE)	**278**	**24**	**5**	**29**	**6**	**23**	**29**
Trip Generation (Non-PCE)								
Vehicle Mix[2]	Passenger Cars (72.5%)	733	60	14	74	16	58	74
	2-axle Trucks (4.6%)	46	4	1	5	1	4	5
	3-axle Trucks (5.7%)	58	5	1	6	1	5	6
	4+axle Trucks (17.2%)	174	15	3	18	4	14	18
	Non - PCE Trips	**1,011**	**83**	**19**	**102**	**23**	**80**	**103**
Trip Generation (PCE)								
PCE Factor[3] and PCE Trips	Passenger Cars (72.5%)	733	60	14	74	16	58	74
	2-axle Trucks (4.6%)	70	6	1	7	1	6	7
	3-axle Trucks (5.7%)	115	10	2	12	2	10	12
	4+axle Trucks (17.2%)	522	45	9	54	11	42	53
	PCE Trips	**1,440**	**121**	**27**	**148**	**30**	**116**	**146**

Notes: TSF = thousand square feet, PCE = passenger car equivalent Some of the totals may not match exactly due to rounding.

1 Trip rates from the ITE.

2 Vehicle Mix from the SCAQMD 2014

3 Passenger Car Equivalent (PCE) factors are assumed to be 1.0 for passenger vehicles, 1.5 for 2-axle trucks, 2.0 for 3-axle trucks, and 3.0 for 4-axle trucks.



SOURCE: SanGIS, Open Street Maps

DUDEK

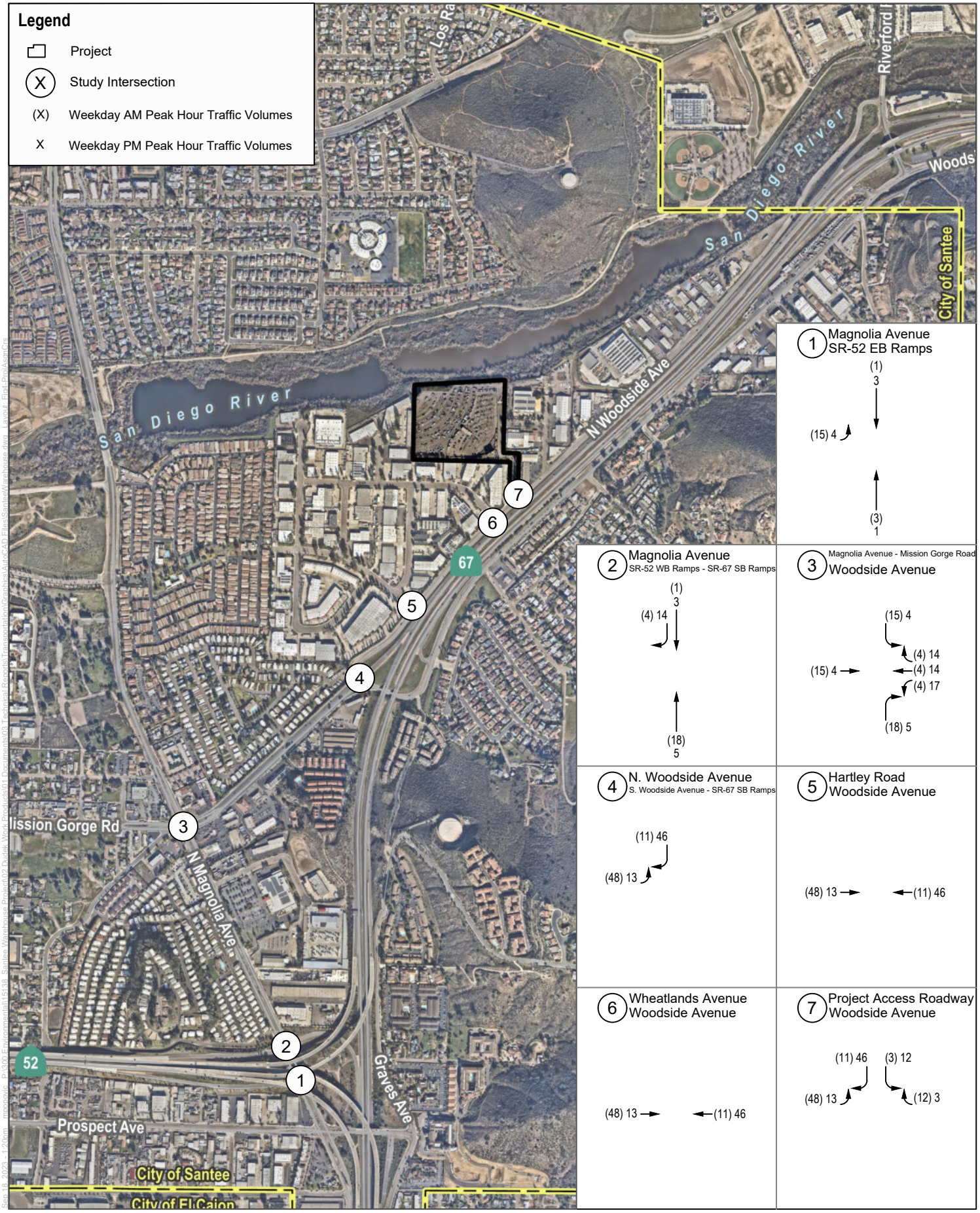
NOT TO SCALE

FIGURE 3

Project Trip Distribution

Palisade Santee Commerce Center Project

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS, Open Street Maps

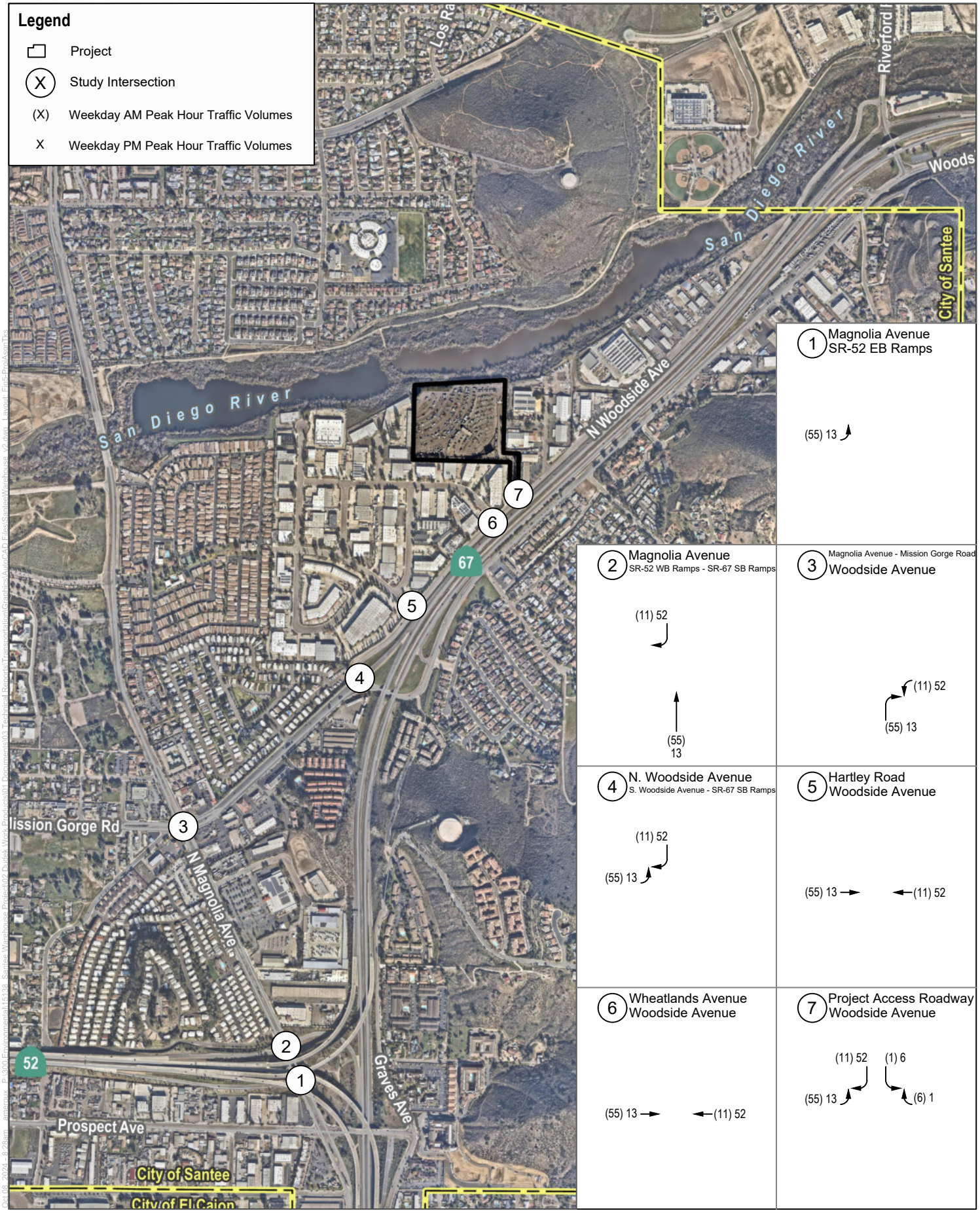
DUDEK NOT TO SCALE

FIGURE 4

Project Trip Assignment (Cars)

Palisade Santee Commerce Center Project

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS, Open Street Maps

DUDEK

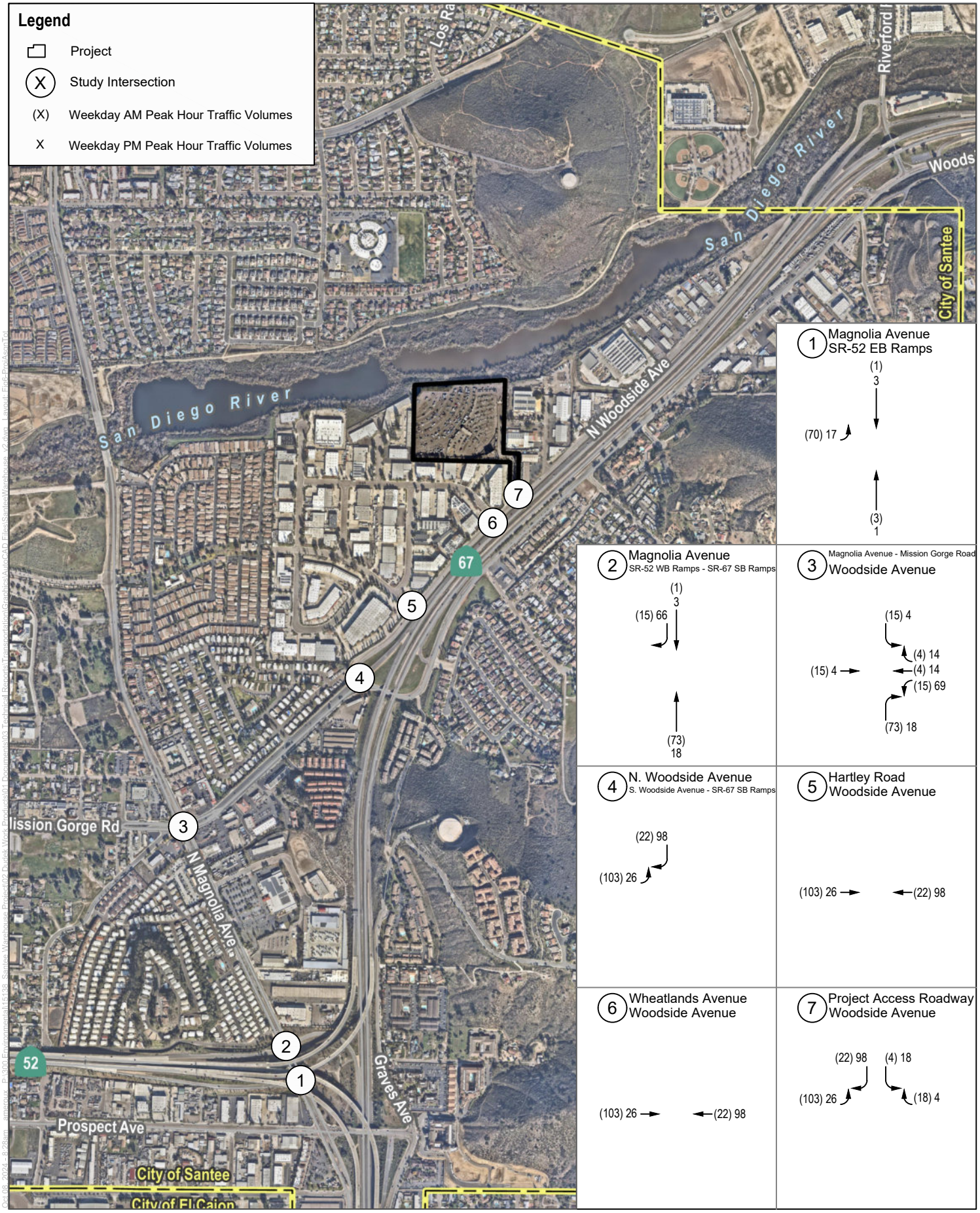
NOT TO SCALE

FIGURE 5

Project Trip Assignment (Trucks – PCE)

Palisade Santee Commerce Center Project

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS, Open Street Maps

DUDEK

NOT TO SCALE

FIGURE 6

Total Project Trip Assignment (Cars and Trucks – PCE)

Palisade Santee Commerce Center Project

INTENTIONALLY LEFT BLANK

3 Existing Conditions

Characteristics of the adjacent existing street system roadways within the study area are described below. The existing traffic controls and geometrics at the study area intersections are shown in Figure 7.

3.1 Roadway System

Regional access to the project would be provided by SR-52 and SR-67. Local access to the project would be provided by Magnolia Avenue and Mission Gorge Road-Woodside Avenue. Both of these roadways are designated truck routes within the City.

Roadways

Characteristics of the adjacent existing street system roadways within the study area are described below.

Woodside Avenue

Woodside Avenue is an east-west roadway from Magnolia Avenue (where Mission Gorge Road ends) to Chestnut Street in Lakeside. Between Magnolia Avenue and SR-67 southbound-off ramp-Woodside Avenue intersection, Woodside Avenue is a Major Arterial, with four lanes and a center-two-way-left-turn lane (TWLTL). There are Class II bike lanes are provided on both sides of Woodside Avenue. The posted speed limit is 45 miles per hour (MPH).

Woodside Avenue splits into N. Woodside Avenue and Woodside Avenue east of the intersection with the SR-67 southbound off-ramp with N. Woodside Avenue paralleling SR-67 on the north and Woodside Avenue paralleling SR-67 on the south. N. Woodside Avenue is the segment between the SR-67 southbound-off ramp-Woodside Avenue intersection to Riverford Road in the Lakeside community of San Diego, and is designated as a Collector Road with a TWLTL. It is currently constructed with one lane in each direction with a center TWLTL and dedicated left-turn lanes at its intersections with Harley Road and Wheatlands Avenue. North of Wheatlands Avenue, the roadway is one lane in each direction without a TWLTL or dedicated left-turn lanes at intersections. There are Class II bike lanes on both sides of the N. Woodside Avenue. On-street parking is permitted along north side of N. Woodside Avenue. There are intermittent sidewalks along the roadway. The posted speed limit in the vicinity of the project is 40 MPH.

Magnolia Avenue

Magnolia Avenue is a north-south roadway. It is classified as a Major Arterial north of Mission Gorge Road and Prime Arterial from Mission Gorge Road to Prospect Avenue. On-street parking is not permitted along the roadway from Mission Gorge Road to Prospect Avenue. There is paved sidewalk along Magnolia Avenue. The posted speed limit along the roadway is 45 miles per hour.

3.2 Transit System

The San Diego Metropolitan Transit System (MTS) provides public transportation throughout Santee and northern San Diego County. Figure 8a illustrates the transit facilities in the vicinity of the proposed project. The nearest MTS bus routes serving the project are described below.

- Route 832 runs clockwise from Santee Town Center to northern Santee and back to Santee Town Center via Cuyamaca Street, and Magnolia Avenue. The route operates between 6:17am and 6:56pm on weekdays, with 30-minute headways, and between 8:25am and 4:45pm on weekends with 60-minute headways. The nearest bus stop is located west of the Magnolia Avenue and Mission Gorge Road – Woodside Avenue intersection, approximately 0.90 miles from the project site.
- Route 833 runs from the Santee Transit Center to the El Cajon Transit Center, via Mission Gorge Road, Magnolia Avenue, and Graves Avenue. The route operates between 5:52am and 6:12pm on weekdays, with 45-minute headways, and between 8:53am and 5:10pm on weekends, with 60-minute headways. The nearest bus stop is located west of Magnolia Avenue and Mission Gorge Road – Woodside Avenue intersection, approximately 0.90 miles from the project site.
- Route 834 runs in a loop, connecting the Santee Transit Center to the West Hills Parkway area, via Prospect Avenue and Carlton Oaks. The route operates only on weekdays from 6:33am to 3:30pm with 60-minuite headways. The nearest bus stop to the project site is approximately 2 miles away.

The City of Santee is served by the Green Line Trolley (Route 530), with the sole station within the City located at the Santee Transit Center. The Green Line connects Santee to the larger San Diego region and provides service into Downtown San Diego. The route operates from 5:00am to 1:00am with 15-minute headways on weekdays, and 30-minute headways on weekends. MTS ACCESS provides complementary, on-demand paratransit service to fulfill the unmet needs of residents such as seniors and persons with disabilities.

3.3 Pedestrian and Bicycle Facilities

The General Plan Circulation Element identifies the following bicycle facility classifications, as defined by Caltrans:

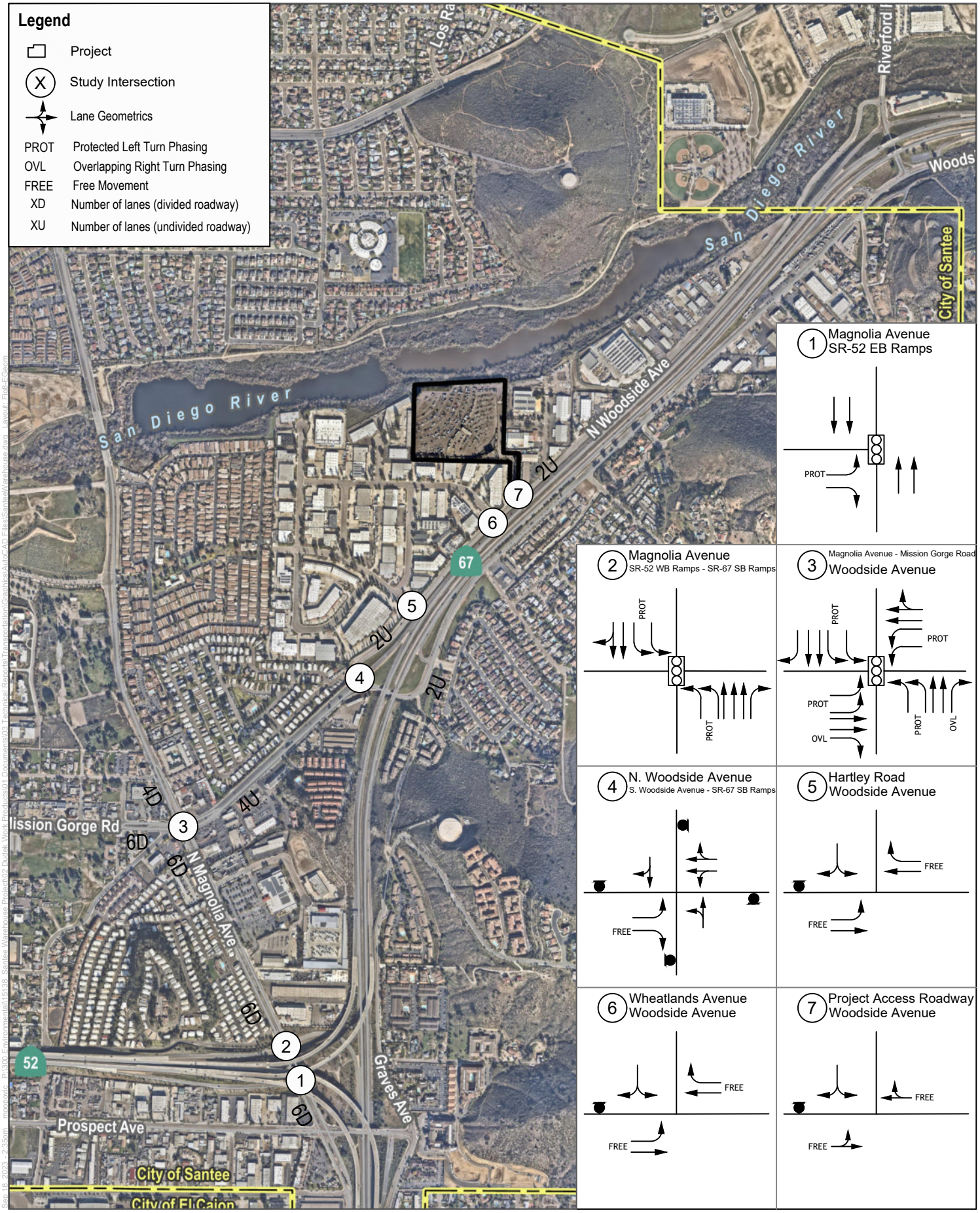
- **Class I Bikeway (Bike Path)** provide a completely separated right-of-way designated for the exclusive use of bicycles and pedestrians with crossflows by motor vehicles minimized.
- **Class II Bikeway (Bike Lane)** provides a striped lane designed for the exclusive or semi-exclusive use of bicycles with through travel by motor vehicles or pedestrians prohibited, but with pedestrian and motor vehicle crossflows permitted.
- **Class III Bikeway (Bike Route)** provides shared use of traffic lanes with cyclists and motor vehicles, identified by signage and street marking such as sharrows.
- **Class IV Bikeway (Cycle Track)** are separated bikeways that provide right-of-way designated exclusively for bicycle travel within the roadway and physically protected from vehicular traffic.

A Class II Bike Lane runs along Woodside Avenue; the bike lane along Woodside Avenue connects to bike route along Shadow Hill Road and Northcote Road, however, it does not connect to any other bicycle facility in the City. The Planned Bicycle Network in the Mobility Element is based on Active Santee Plan (2021). It recommends Class II bike lanes along Mission Gorge Road between Riverview Parkway and Magnolia Avenue and along Magnolia

Avenue between Mast Boulevard and Mission Gorge Road. Figure 8b illustrates the existing and proposed bike facilities near the project.

Sidewalks and pedestrian facilities are provided along one side of Woodside Avenue, and adjacent roadways within one-half mile of the project site. While pedestrian facilities such are crosswalks are missing within the immediate project area, the Santee Active Transportation Plan has identified this area as in need and is committed to improve the area by installing missing segments of sidewalks, adding pedestrian ramps and crosswalks, and relocating utility facilities as needed.

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS, Open Street Maps

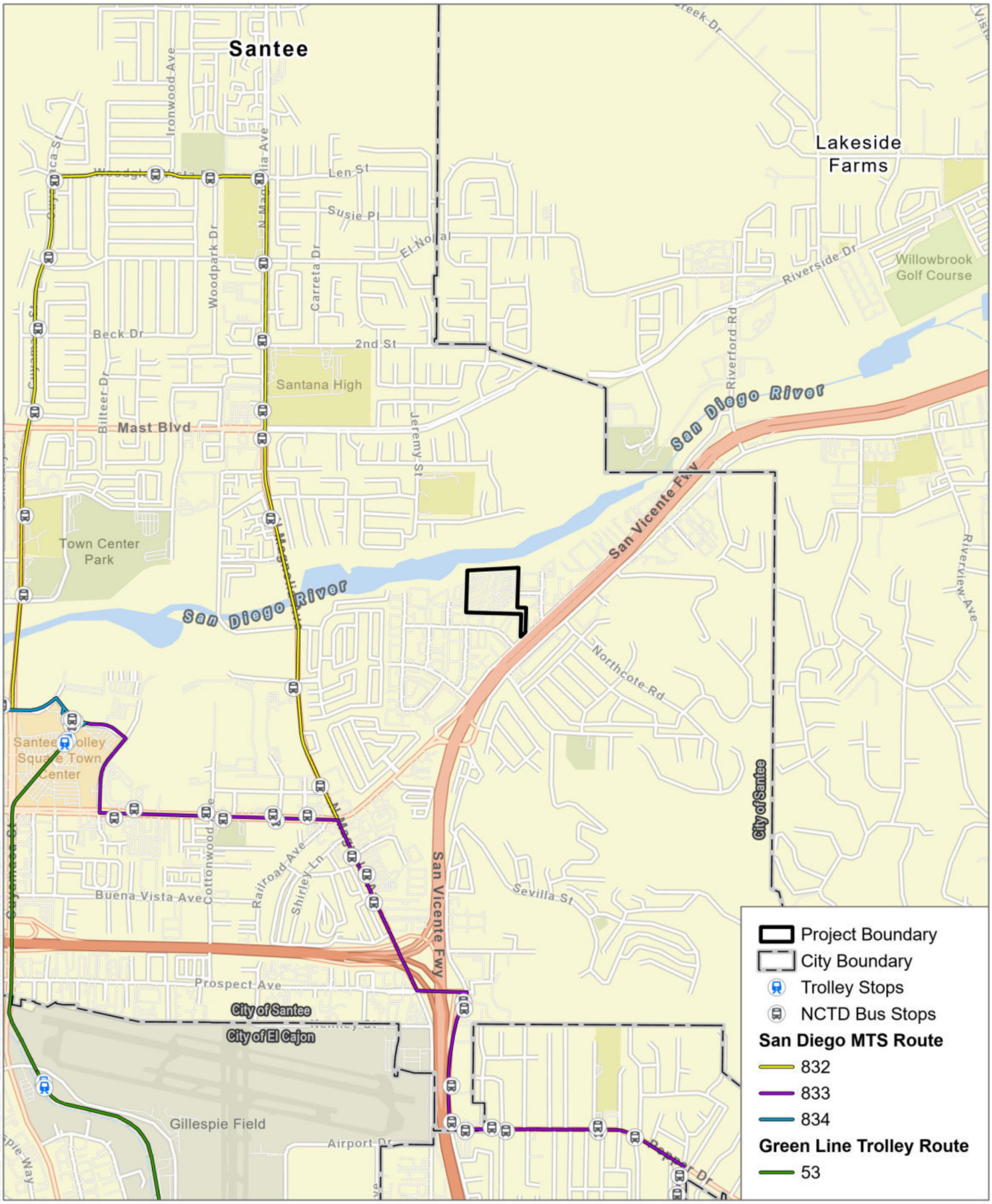
DUDEK NOT TO SCALE

FIGURE 7

Intersection Control and Geometrics

Palisade Santee Commerce Center Project

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS 2019; Open Street Maps; SanGIS 2023

DUDEK

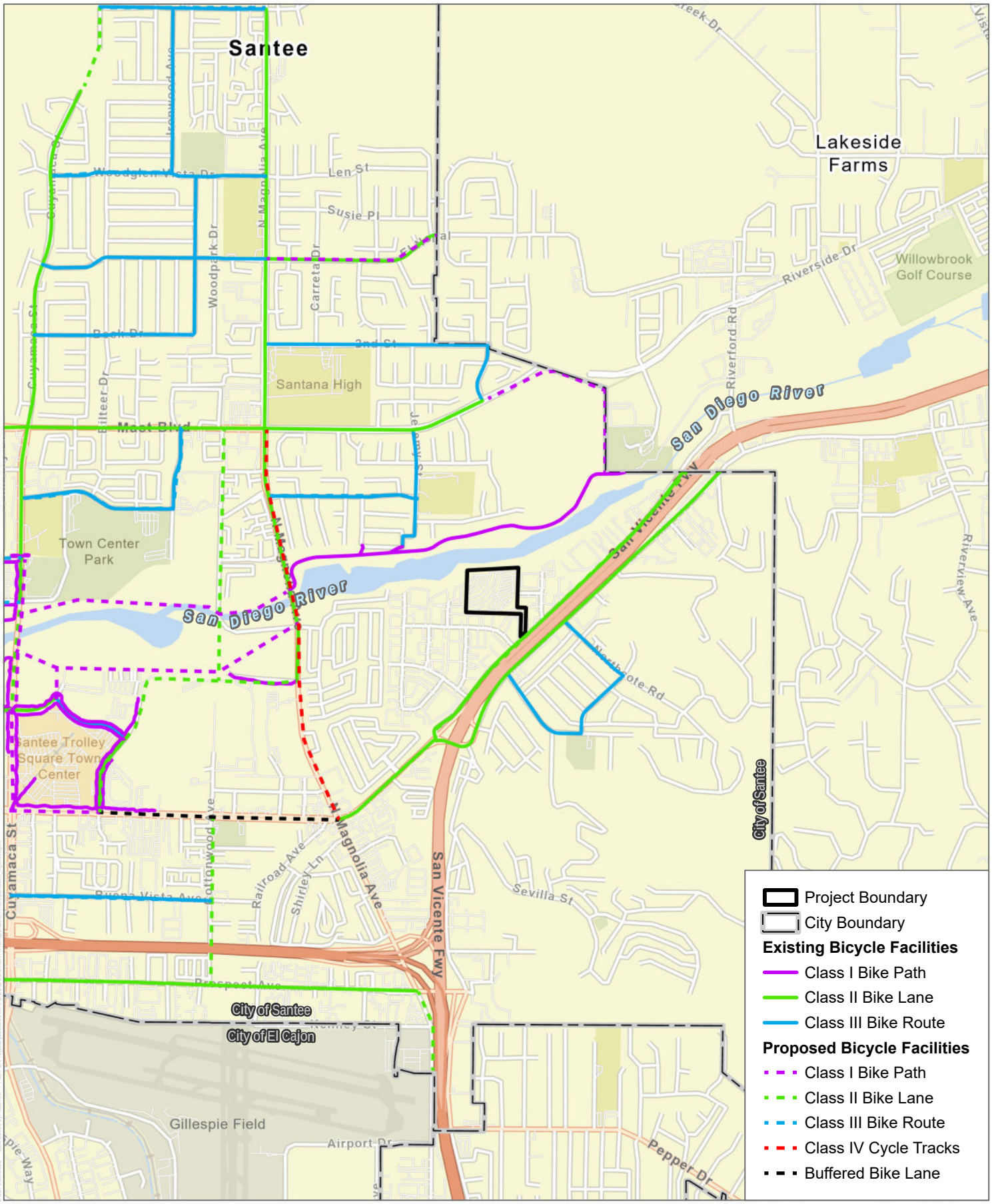
0 500 1,000 Feet

FIGURE 8a

Transit Facilities

Palisades Santee Commerce Center Project

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS 2019; Open Street Maps; SanGIS 2023; City of Santee 2017

FIGURE 8b

Bike Facilities

Palisades Santee Commerce Center Project

DUDEK

0 500 1,000 Feet

INTENTIONALLY LEFT BLANK

4 Vehicle Miles Traveled

This section documents the VMT screening, analysis, and mitigation measures applicable to the project per City of Santee VMT Analysis Guidelines (April 13, 2022).

4.1 VMT Screening Analysis

The requirements to prepare a detailed transportation VMT analysis apply to all discretionary land development projects that are not exempt from CEQA, except those that meet at least one of the transportation screening criteria described below. A project that meets at least one of the screening criteria per City's VMT guidelines below would be presumed to have a less than significant VMT impact due to project characteristics and/or location.

Projects Located in a Transit-Accessible Area

Projects located within a half-mile radius of an existing major transit stop or an existing stop along a high quality transit corridor[1] may be presumed to have a less-than-significant impact absent substantial evidence to the contrary. A map of existing major transit stops and existing stops along high-quality transit corridors is provided in Appendix D of the City's guidelines. The proposed project is not located within a half-mile radius of an existing transit priority area or an existing stop along a high-quality transit route, therefore it cannot be screened out using this criteria.

Small Projects

Projects generating 500 or fewer net new daily vehicle trips may be presumed to have a less-than significant impact absent substantial evidence to the contrary. Trips are based on the number of vehicle trips calculated using SANDAG's (Not So) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region or ITE trip generation rates with any alternative modes/location-based adjustments applied. As shown in Section 2, the project would generate 1440 PCE daily trips, therefore would not be considered a small project and cannot be screened out using this criteria.

Local Serving Retail Projects

Local serving retail generally improves the convenience of shopping close to home and has the effect of reducing vehicle travel. Local serving retail projects less than 50,000 square feet that are expected to draw approximately 75% of customers from the local area (roughly 3-miles) are presumed to have a less than significant impact absent substantial evidence to the contrary. Retail projects that are between 50,000 square feet and 125,000 square feet with similar customer attraction (approximately 75% from local area) may also be presumed locally-serving. The project does not propose retail uses, therefore it cannot be screened out using this criteria.

Local Serving Public Facilities

Public facilities that serve the surrounding community or public facilities that are passive use may be presumed to have a less-than-significant impact absent substantial evidence to the contrary. Transit centers, public schools,

[1] Major transit stop: a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods. High quality transit corridor: a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute periods.

libraries, post offices, park-and-ride-lots, police and fire facilities, parks and trailheads, government offices, passive public uses and other public uses are considered local serving public facilities. The project does not propose local serving public facilities, therefore it cannot be screened out using this criteria.

Redevelopment Projects with Lower Total VMT

A redevelopment project may be presumed to have a less-than-significant impact absent substantial evidence to the contrary if the proposed project's total project VMT is less than the existing land use's total VMT and the CEQA action includes closing the existing land use. Although the project would redevelop an existing site, this criterion was not applied to the project.

Infill Affordable Housing

City of Santee presumes deed-restricted affordable housing projects that meet the following conditions meet the City's screening criteria and would not require a VMT analysis.

- Is an infill project (note that most of the City of Santee is presumed to be an infill location);
- Consists of a minimum of 52% affordable housing;
- Is within ½ mile radius of a transit stop or station; and
- Project-provided parking does not exceed parking required by the City's Municipal Code

The project does not propose infill affordable housing; therefore it cannot be screened out using this criteria.

Projects in a VMT-Efficient Area

A VMT-efficient area is any area within the City with an average VMT/capita or VMT/employee below the thresholds as compared to the baseline City/Regional VMT per capita for the TAZ that the project is located within. VMT efficient areas are accessed through SANDAG's SB743 VMT maps[2].

The project site is within Census Tract 166.07 under the current SANDAG Travel Demand model. Based on the San Diego Region SB743 VMT Maps and using City's criteria for evaluation of Industrial projects, the project is within a high-VMT generating area for VMT per employee (i.e., greater than or equal to the regional mean). Compared to the regional mean of 18.9 VMT per employee, the VMT per employee of the project's census tract is 22.2 VMT.

Therefore, it can be inferred that the proposed project is not located in a VMT-efficient area and would result in a significant VMT impact.

The significance threshold, project VMT, and mitigation measures are discussed below.

[2] San Diego Region SB 743 VMT Map accessed at San Diego Region SB743 VMT Maps (arcgis.com)

4.2 VMT Threshold of Significance

The significant thresholds and specific VMT metrics used to measure VMT are described by land use type below:

> **Industrial Employment projects** located within a VMT-efficient area may be presumed to have a less than-significant impact absent substantial evidence to the contrary. A VMT-efficient area for industrial employment projects is any area with an average VMT/employee at or below the baseline regional average for the TAZ that the project is located within.

4.3 Project VMT Analysis

Since the project's daily trip generation estimate would be below 2,400 average daily trips, and the project's census tract includes other employee-based uses, a project-specific model run by SANDAG would not be required. The results of the SANDAG SB 743 VMT maps have been used in the project's VMT analysis. Compared to the regional mean of 18.9 VMT per employee, the VMT per employee of the project's census tract is 22.2 VMT. Because the project's VMT is higher than the regional average of the census tract it is located within, the project would result in a significant VMT impact. Table 5 provides project's VMT summary. Figure 9 illustrates the SANDAG SB 743 VMT Map for the project site.

Table 5. Project VMT Summary

Criteria	VMT/per Employee
Baseline Regional VMT/employee	18.9
VMT Threshold (at or below Baseline)	18.9
Project TAZ VMT/Employee	22.2
% Reduction Required	15%

Note: VMT = vehicle miles traveled

4.4 Cumulative VMT Impact

If a project is consistent with the assumptions in the SANDAG 2021 Regional Plan, the existing conditions project-level analysis is sufficient to determine cumulative impacts. If a project is not consistent with the assumptions in the SANDAG 2021 Regional Plan, a cumulative analysis may be necessary. A project effect on VMT under cumulative conditions would be considered significant if the cumulative VMT/capita or VMT/employee under the future year "plus project" condition exceeds the base year thresholds (i.e., 18.9).

The project is consistent with the General Plan land use of the project site and would provide employment as proposed in the traffic analysis zone. The VMT/employee under Year 2035 or cumulative conditions is 20.1, which exceeds the existing threshold of 18.9 VMT per employee. Therefore, it can be concluded that the project would also result in a significant cumulative impact.

4.5 Mitigation Measures

To mitigate project's VMT impacts, the project applicant must reduce VMT, which can be done by either reducing the number of automobile trips generated by the project or by reducing the distance that people drive. The following strategies are available to achieve this:

1. Modify the project's built environment characteristics to reduce VMT generated by the project.
2. Implement TDM measures to reduce VMT generated by the project

Strategies that reduce single-occupant automobile trips or reduce travel distances are called Transportation Demand Management (TDM) strategies. The City VMT guidelines recommend using strategies from the California Air Pollution Control Officers Association (CAPCOA) Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity (2021) (GHG Reduction Handbook) and the SANDAG Mobility Management Guidebook/VMT Reduction Calculator Tool.

The following table includes TDM strategies from CAPCOA 2021 and their applicability to the project.

Table 6. Transportation Demand Management Measures

Trip Reduction Program	Description	Maximum Reduction Possible	Project Reduction Possible
T-5	Implement Commute Trip Reduction Program (CTR) (Voluntary): CTR programs discourage single-occupancy vehicle trips and encourage alternative modes of transportation such as carpooling, taking transit, walking, and biking, thereby reducing VMT and GHG emissions.	4%	Assuming 100% employees are eligible for program, a 4% reduction can be achieved.
T-6	Implement Commute Trip Reduction Program (Mandatory Implementation and Monitoring) (Must include T-6 - T-10)	26%	Selected measures from T-6 to T-10 are included in this measure.
T-7	Implement Commute Trip Reduction Marketing: This measure will implement a marketing strategy to promote the project site employer's CTR program. Information sharing and marketing promote and educate employees about their travel choices to the employment location beyond driving such as carpooling, taking transit, walking, and biking, thereby reducing VMT and GHG emissions.	4%	Assuming 100% employees are eligible for program, a **4%** reduction can be achieved by the project. See Appendix B for details on project VMT reduction.
T-8	Provide Ridesharing Program: This measure will implement a ridesharing program and establish a permanent transportation management association with funding requirements for employers. Ridesharing encourages carpooled vehicle trips in place of single-occupied	8%	Assuming sub-urban location of the project, 100% employees are eligible for program, a **4%** reduction can be achieved by the project. See Appendix B for details on project VMT reduction.

Table 6. Transportation Demand Management Measures

Trip Reduction Program	Description	Maximum Reduction Possible	Project Reduction Possible
	vehicle trips, thereby reducing the number of trips, VMT, and GHG emissions.		
T-9	Implement Subsidized or Discounted Transit Program: This measure will provide subsidized or discounted, or free transit passes for employees and/or residents. Reducing the out-of-pocket cost for choosing transit improves the competitiveness of transit against driving, increasing the total number of transit trips and decreasing vehicle trips. This decrease in vehicle trips results in reduced VMT and thus a reduction in GHG emissions.	5.5%	Assuming average transit fare of $2.50 would be subsidized and 100% of the employees would be eligible to participate in this program. Because 72.5% of the project trips are from employees, approximately 72.5% of project-generated VMT can be as assumed to be from employees. Based on the above inputs, a **0.74%** VMT reduction can be achieved by the project. See Appendix B for details on project VMT reduction.
T-10	Provide End of Trip Bicycle Facilities: This measure will install and maintain end-of-trip facilities for employee use. End-of-trip facilities include bike parking, bike lockers, showers, and personal lockers. The provision and maintenance of secure bike parking and related facilities encourages commuting by bicycle, thereby reducing VMT and GHG emissions.	4.4%	For San Diego-Carlsbad area, a **0.57%** reduction can be achieved. See Appendix B for details on project VMT reduction.
T-11	Provide Employer-Sponsored Van pool: This measure will implement an employer-sponsored vanpool service. Vanpooling is a flexible form of public transportation that provides groups of 5 to 15 people with a cost-effective and convenient rideshare option for commuting. The mode shift from long-distance, single-occupied vehicles to shared vehicles reduces overall commute VMT, thereby reducing GHG emissions.	20.4%	It is likely that individual tenants may have employees that sign up with the SANDAG Sustainable Transportation Services program, formerly known as iCommute through ride-sharing program. Therefore, only T-8 has been included as reduction measure.
T-12	Price Workplace Parking: This measure will price on-site parking at workplaces. Because free employee parking is a common benefit, charging employees to park on site increases the cost of choosing to drive to work. This is expected to reduce single-occupancy vehicle commute trips, resulting in decreased VMT, thereby reducing associated GHG emissions.	20%	Not a suitable measure due to sub-urban project setting that provides few alternate transportation options for employees.

Table 6. Transportation Demand Management Measures

Trip Reduction Program	Description	Maximum Reduction Possible	Project Reduction Possible
T-13	Implement Employee Parking Cash-Out: This measure will require project employers to offer employee parking cash-out. Cash-out is when employers provide employees with a choice of forgoing their current subsidized/free parking for a cash payment equivalent to or greater than the cost of the parking space. This encourages employees to use other modes of travel instead of single occupancy vehicles. This mode shift results in people driving less and thereby reduces VMT and GHG emissions.	12%	Not a suitable measure due to sub-urban project setting that provides few alternate transportation options for employees.
T-18	Provide Pedestrian Network Improvement:	6.4%	The project would add sidewalks along its access road from Woodside Avenue and at the Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection. This would result in approximately 0.6 miles from existing 0.4 mile of sidewalk between project driveway and the Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection. Based on the above inputs, a **2.51%** VMT reduction can be achieved by the project. See Section 8.3.3. for more details on proposed sidewalk improvement. See Appendix B for details on project VMT reduction.

Source: CAPCOA 2021 and Appendix B
Note: VMT = vehicle miles traveled

Based on the review of applicable trip reduction measures to the project, following measures as part of T-5 Commute Trip Reduction Program have been selected to calculate possible reduction:

T-5 Implement Commute Trip Reduction (CTR) Program to include the following measure and estimated project VMT reduction (in %):

- T-7 Implement Commute Trip Reduction Marketing (4%)
- T-8 Provide Ridesharing Program (4%)
- T-9 Implement Subsidized or Discounted Transit Program (0.74%)
- T-10 Provide End of Trip Bicycle Facilities (0.57%)
- T-18 Provide Pedestrian Network Improvements (2.51%)

See Appendix B for calculation of project VMT reduction % corresponding to measures T-7, T-8, T-9, and T-10.

To calculate VMT reduction under each component, the following formula is used:

$$\text{VMT Reduction\%} = 1 - [(1 - 4\%) * (1 - 4\%) * (1 - 0.74\%) * (1 - 0.57\%) * (1 - 2.51\%)] = 11.3\%$$

A VMT reduction of 11.3% would be achieved through the implementation of CTR measures. A reduction of 15% is required to reduce the VMT per employee to at or below regional level. As shown in Section 9, **MM-TRA-1 Trip Reduction Program** would be implemented by the project's tenants to reduce the project's VMT. Because the project's VMT would not be reduced to below significance threshold even with the implementation of **MM-TRA-1 and MM-TRA-2 Construction of Sidewalk** (see Chapter 9 below for details), the project's VMT impact would remain **significant and unavoidable**.

INTENTIONALLY LEFT BLANK

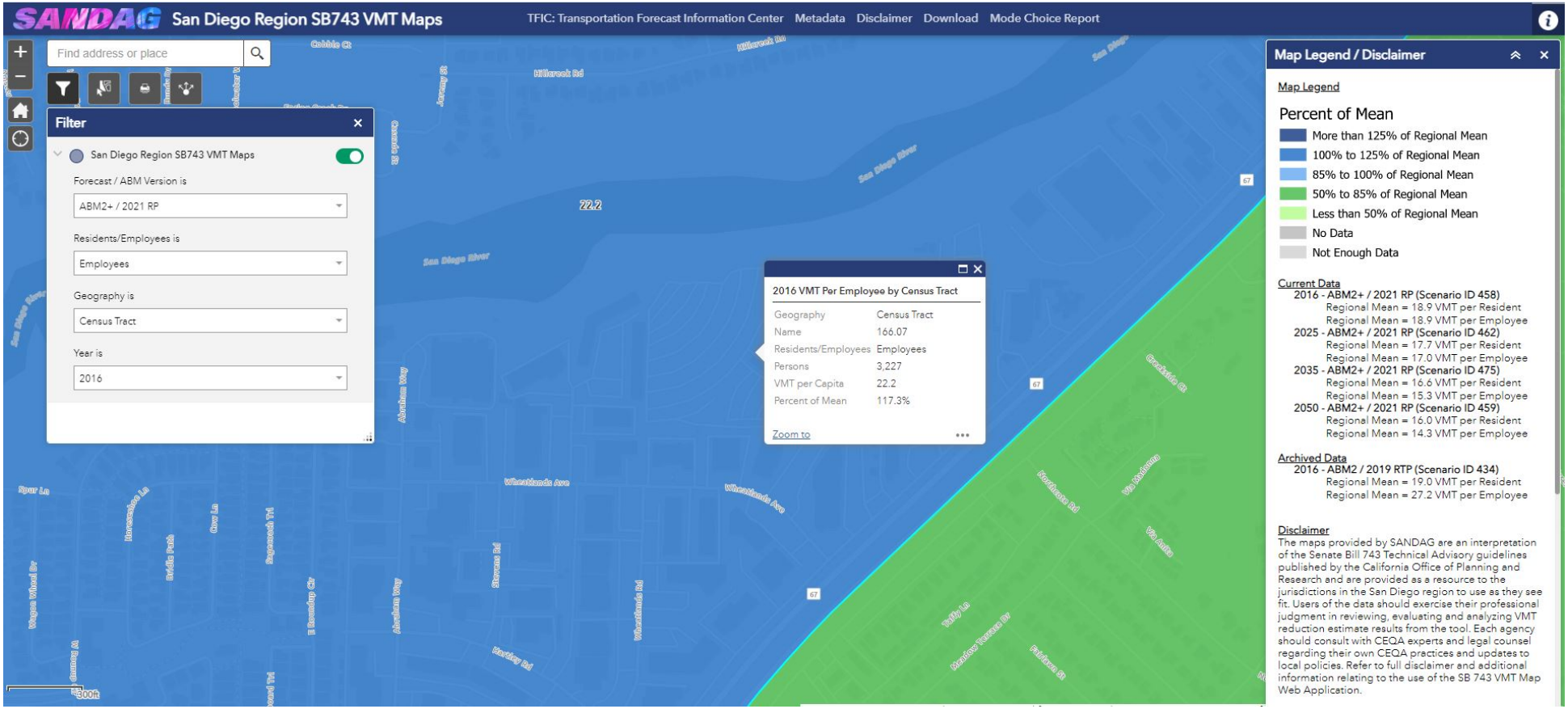


FIGURE **9**

SANDAG SB 743 Map

Palisades Santee Commerce Center Project

DUDEK

INTENTIONALLY LEFT BLANK

5 Existing Traffic Conditions

This section details the traffic volumes and the roadway segment and intersection operations within the study area under Existing and Existing plus Project conditions.

5.1 Existing Traffic Volumes

Existing weekday peak hour turn movement counts at the study intersections and roadway segments were conducted in May 2023 during a typical non-holiday week while area schools were in-session. The traffic counts were collected for the AM (7:00 a.m. to 9:00 a.m.) and the PM (4:00 p.m. to 6:00 p.m.) peak periods and 24-hour average daily traffic conditions, for the study area intersections and roadway segments, respectively. The peak periods represent the highest volume of traffic for the adjacent street system. To provide a conservative analysis, existing PCE trips were used in the traffic analysis of the proposed project.

Raw traffic count worksheets are provided in Appendix C. Signal timing sheets for the signalized study intersections provided by Caltrans are included in Appendix D.

5.2 Existing Operations

5.2.1 Existing Roadway Operations

A roadway segment LOS analysis was prepared for the existing conditions using the roadway segment LOS methodologies as discussed in Section 1.3, Analysis Methodology. Table 7 shows the results of the existing conditions LOS analysis for the study roadway segments. As shown in the table, the study area roadway segments are currently operating LOS C or better under existing conditions.

Table 7. Existing Roadway Segment Analysis

No.	Roadway Segment	Capacity	Existing		
			ADT	V/C	LOS
1	Magnolia Avenue, south of Mission Gorge - Woodside Avenue	60,000	32,381	0.54	B
2	Woodside Avenue, between Magnolia Avenue and Woodside Avenue	40,000	27,134	0.68	C
3	N. Woodside Avenue, between Woodside Avenue to Project Driveway	10,000	3,725	0.37	A
4	Project Driveway, north of Woodside Avenue	2,200	117	NA	NA

Notes: ADT = Average daily traffic; V/C = Volumes to Capacity ratio; LOS = Level of Service; NA = Not Applicable because LOS does not apply to non-CE roads

[1] Classification and LOS determined from City of Santee Mobility Element, Adopted by City Council October 25, 2017 (Resolution No. 114-2017)

5.2.2 Existing Intersection Operations

The Existing (PCE) peak hour traffic volumes are shown in Figure 10.

An intersection LOS analysis was prepared for the Existing conditions using HCM 6 methodology via the Synchro LOS software as discussed in Section 1.3. Table 8 shows the results of the Existing conditions analysis. LOS worksheets are provided in Appendix E.

As shown in the table, all intersections are currently operating with satisfactory levels of service (LOS D or better) under Existing conditions.

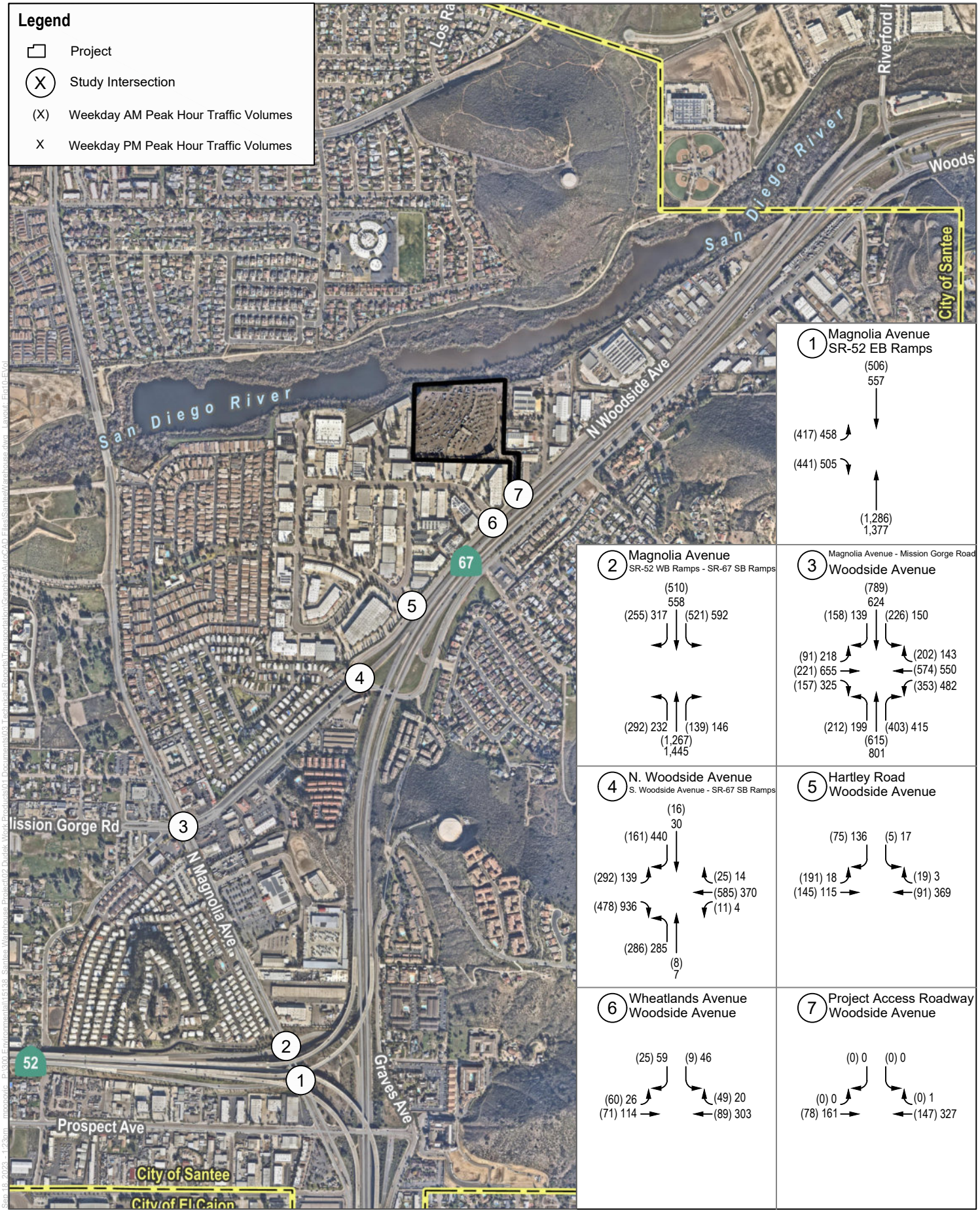
Table 8. Existing Peak Hour Intersection Level of Service

No.	Intersection	LOS Method	Existing			
			AM Peak		PM Peak	
			Delay[1]	LOS[2]	Delay[1]	LOS[2]
1	Magnolia Avenue/SR-52 EB Off-Ramps	HCM/ Signalized	21.1	C	23.1	C
2	Magnolia Avenue/SR-52 WB On-Ramp - SR-67 SB On-Ramp	HCM/ Signalized	11.2	B	10.8	B
3	Magnolia Avenue - Mission Gorge Road/Woodside Avenue	HCM/ Signalized	31.5	C	38.5	D
4	N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp	AWSC	22.7	C	23.3	C
5	Hartley Road/N. Woodside Avenue	TWSC	9.8	A	13.7	B
6	Wheatlands Avenue/N. Woodside Avenue	TWSC	9.6	A	12.7	B
7	Project Access Driveway/N. Woodside Avenue	TWSC	0.0	A	0.0	A

Notes: HCM = Highway Capacity Manual; **X** – Unsatisfactory operating conditions/LOS; AWSC – All-Way Stop Control; TWSC – Two-Way Stop Control

1 Delay in seconds per vehicle

2 Level of Service (LOS)



SOURCE: SanGIS, Open Street Maps

FIGURE 10

Existing Peak Hour Traffic Volumes (PCE)

Palisade Santee Commerce Center Project

DUDEK

NOT TO SCALE

INTENTIONALLY LEFT BLANK

5.3 Existing plus Project Traffic Operations

This section details the Existing plus Project traffic volumes and intersection operations within the study area.

The Existing plus Project traffic volumes were estimating by adding the appropriate percentage of average daily and peak hour project trips (shown in Table 4) to the existing traffic volumes for the study area roadway segments and intersections. Figure 11 illustrates the Existing plus Project Peak Hour Traffic Volumes.

5.3.1 Roadway Operations

A roadway segment LOS analysis was prepared for the Existing plus Project conditions using the roadway segment LOS methodologies as discussed in Section 1.3, Analysis Methodology. Table 9 shows the results of the Existing plus Project conditions LOS analysis for the study roadway segments. As shown in the table, the study area roadway segments of Woodside Avenue and Magnolia Avenue would continue to operate at LOS C or better under Existing plus Project conditions.

A project's traffic effect is determined if it exceeds the volume to capacity ratio by 0.02 or more at roadway segments operating at LOS E or F. Because the roadway segments operate at LOS C or better and not at LOS E or F, the proposed project would not exceed the City's criteria for project-specific traffic effect, which determines the needs for roadway improvements. Hence, no roadway improvements are proposed.

5.3.2 Intersection Operations

The total project trip assignments shown in Figure 6 were added to the Existing peak hour traffic volumes shown in Figure 10 to derive the Existing plus Project peak hour traffic condition. Figure 11 shows the Existing plus Project peak hour traffic volumes.

An intersection LOS analysis was prepared for the Existing plus Project condition using the HCM 6 methodology, and Table 10 summarizes the results of the Existing plus Project intersection analysis for the AM and PM peak hours. Detailed LOS calculation worksheets are included in Appendix E.

As shown in the table, with the exception of the Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection, all study area intersections would continue to operate at satisfactory levels of service (LOS D or better) under Existing plus Project conditions. The Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection would operate at LOS E in the AM and PM peak hour. The proposed project would increase the delay by more than 2 seconds at this intersection. Therefore, the proposed project would exceed the City's criteria for project-specific traffic effect under Existing plus Project conditions. See Section 8 for project-specific improvements.

INTENTIONALLY LEFT BLANK

Table 9. Existing and Existing plus Project Roadway Level of Service

No.	Roadway Segment	Applicable ADT[1]	Existing			Project Trips (in PCE) [2]	Existing plus Project			Change in V/C	Above Allowable Change for Project Traffic Effect
			ADT	V/C	LOS		ADT	V/C	LOS		
1	Magnolia Avenue, south of Mission Gorge - Woodside Avenue	60,000	32,381	0.54	B	856	33,237	0.55	B	0.01	No
2	Woodside Avenue, between Magnolia Avenue and Woodside Avenue	40,000	27,134	0.68	C	1,223	28,357	0.71	C	0.03	No
3	Woodside Avenue, between Woodside Avenue to Project Driveway	10,000	3,725	0.37	A	1,223	4,948	0.49	B	0.12	No
4	Project Driveway, north of Woodside Avenue	2,200	117	NA	NA	1,439	1,556	NA	NA	NA	No

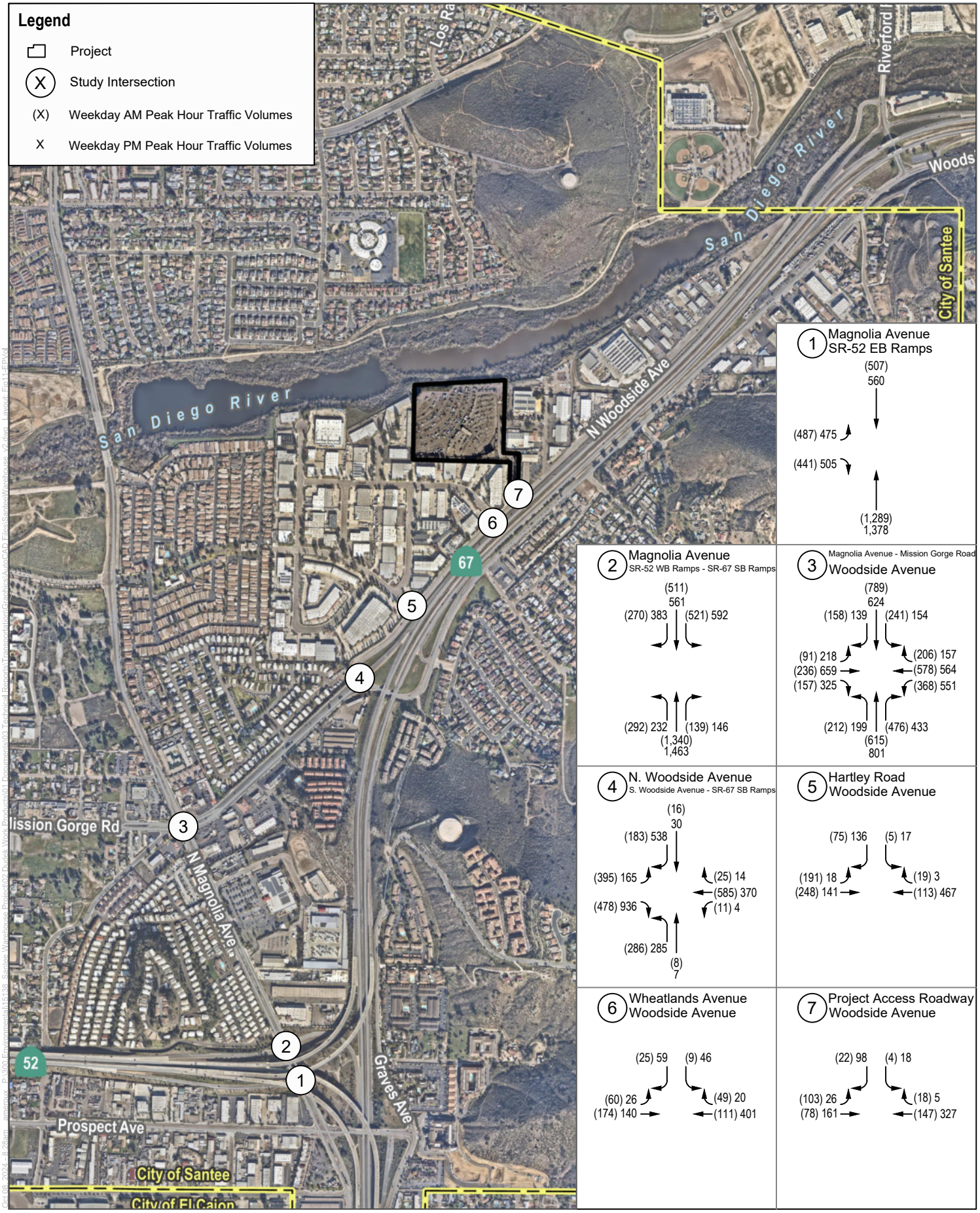
Notes: ADT = Average daily traffic; V/C = Volumes to Capacity ratio; LOS = Level of Service; NA = Not Applicable NA = Not Applicable because LOS does not apply to non-CE roads
1 Classification and LOS determined from City of Santee Mobility Element, Adopted by City Council October 25, 2017 (Resolution No. 114-2017)

Table 10. Existing and Existing plus Project Peak Hour Intersection Level of Service

No.	Intersection	LOS Method	Existing				Existing plus Project				Change in Delay		Above Allowable Change for Project Traffic Effect	
			AM Peak		PM Peak		AM Peak		PM Peak					
			Delay[1]	LOS[2]	Delay[1]	LOS[2]	Delay[1]	LOS[2]	Delay[1]	LOS[2]	AM	PM	AM	PM
1	Magnolia Avenue/SR-52 EB Off-Ramps	HCM/Signalized	21.1	C	23.1	C	22.7	C	23.4	C	1.6	0.3	No	No
2	Magnolia Avenue/SR-52 WB On-Ramp - SR-67 SB On-Ramp	HCM/Signalized	11.2	B	10.8	B	10.8	B	10.8	B	-0.4	0.0	No	No
3	Magnolia Avenue - Mission Gorge Road/Woodside Avenue	HCM/Signalized	31.5	C	38.5	D	32.1	C	40.8	D	0.6	2.3	No	No
4	Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp	AWSC	22.7	C	23.3	C	**39.3**	**E**	**45.0**	**E**	16.6	21.7	**Yes**	**Yes**
5	Hartley Road/N. Woodside Avenue	TWSC	9.8	A	13.7	B	10.2	B	16.0	C	0.4	2.3	No	No
6	Wheatlands Avenue/N. Woodside Avenue	TWSC	9.6	A	12.7	B	10.1	B	14.6	B	0.5	1.9	No	No
7	Project Access Driveway/N. Woodside Avenue	TWSC	0.0	A	0.0	A	10.1	A	13.3	B	10.1	13.3	No	No

Notes: HCM = Highway Capacity Manual; **X** – Unsatisfactory operating conditions/LOS; AWSC – All-Way Stop Control; TWSC – Two-Way Stop Control
1 Delay in seconds per vehicle
2 Level of Service (LOS)

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS, Open Street Maps

FIGURE 11

Existing plus Project Peak Hour Traffic Volumes (PCE)

Palisade Santee Commerce Center Project

DUDEK

NOT TO SCALE

INTENTIONALLY LEFT BLANK

6 Near Term Conditions

This section presents the analysis of Near-Term traffic conditions when the project would be constructed and fully operational. The Near Term conditions are based on the addition of traffic from approved and pending projects added to the existing 2023 traffic volumes.

6.1 Cumulative Projects

The cumulative projects are projects that are proposed and in the review process, but not yet fully approved; or projects that have been approved, but not fully constructed or occupied. A review of cumulative projects list available at the City's website was conducted. Per discussion with the City, eight cumulative projects were identified that would potentially add traffic to the study area. In addition to these development projects, the SR-67/Riverford Road interchange improvements, a transportation project which would consolidate three intersections into two roundabouts on Riverford Road on both sides of SR-67, is proposed approximately one mile north of the project site. The project's study area does not include Riverford Road and its intersections with SR-67 because the project would not add 50 or more peak hour trips to those facilities. However, as shown in the State Route 67 and Riverford Road Intersection Control Evaluation Report, submitted to Caltrans in 2020, with the construction of proposed roundabouts, the closely spaced intersections of the SR-67 northbound off-ramp/Woodside Avenue, Woodside Avenue/Riverford Road, the and SR-67 southbound ramps/Riverford Road would operate at LOS D or better for all movements with no spillback onto SR-67 mainline. Therefore, the SR-67/Riverford Road interchange project will improve LOS and traffic operations in the vicinity of the project.

Figure 12 shows the locations of, and Table 11 provides a brief description of, the cumulative projects.

Table 11. Description of Cumulative Projects

No.	Cumulative Project	Location	Description
1	Southwest Signal Building	10756 Rockvill Street	20,000 SF industrial building
2	Lantern Crest Ridge II	11000 Sunset Trail	62-unit memory care facility
3	Habitat for Humanity Townhomes	8932 First Street	17-unit residential condominiums
4	Santee Auto Center	10335 Mission Gorge Road	Two-car dealerships, auto body shop, and car wash
5	Popeyes	10308 Mission Gorge Road	1,740 SF drive-through restaurant
6	Super Star Car Wash	8837 Magnolia Avenue	4,980 SF car wash tunnel
7	Extra Space Storage	10815 Woodside Avenue	88,390 SF (3-story) storage building
8	Hillside Meadows/Parkside	North and south of the western terminus of Mast Boulevard, and south of El Nopal, Lakeside 92040	143 residential units and two industrial lots
9	Riverford Road Interchange	SR-67 and Riverford Road in the unincorporated area of San Diego County within the Community of Lakeside and a portion in the City of Santee	Consolidate three intersections into two roundabouts along Riverford Road on either side of the SR-67

Source: City of Santee, 2024

6.1.1 Trip Generation

The trip generation for the cumulative projects is shown in Table 12. As shown in the table, cumulative projects are forecast to generate approximately 7,612 daily trips, 518 AM peak hour trips, and 603 PM peak hour trips. Figure 12 also shows the cumulative project traffic volumes.

Table 12. Cumulative Projects Trip Generation Summary

No.	Cumulative Project	Land Use	Daily Trips	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
1	Southwest Signal Building[1]	Industrial	100	9	4	13	6	9	15
2	Lantern Crest Ridge II[2]	Residential	155	4	2	6	6	6	12
3	Habitat for Humanity Townhomes[1]	Residential	136	2	9	11	10	4	14
4	Santee Auto Center[3]	Service	3,336	135	61	196	110	144	254
5	Popeyes[1]	Service	1,218	66	44	110	26	25	51
6	Super Star Car Wash[1]	Auto	900	18	18	36	41	40	81
7	Extra Space Storage[1]	Industrial	177	6	5	11	8	8	16
8	Hillside Meadows[4]	DU	1,590	50	85	135	105	55	160
		Total Trip Generation	**7,612**	**290**	**228**	**518**	**312**	**291**	**603**

Notes:

1 Trip generation estimated using trip rates from SANDAG's Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region, April 2002.

2 Trip generation updated to reflect revised unit numbers compared to the Lantern Crest Ridge II Senior Care Project, Traffic Impact Study, prepared by Darnell & Associates, April 30, 2018

3 Trip generation from Traffic Impact Analysis for Santee Auto Center, prepared by LLG, April 20, 2023

4 Trip generation from Traffic Impact Analysis for Hillside Meadows, prepared by LLG, September 6, 2000

6.1.2 Trip Distribution and Assignment

Trip distributions and assignments for the cumulative projects were developed using the traffic study or assessment for these projects or by using professional judgment based on logical travel corridors. The trips generated by the cumulative projects were distributed and assigned through the study area network. Information on the cumulative projects regarding their trip generation and distribution is included in Appendix F.

6.2 Traffic Volumes

The Near-Term traffic volumes were estimating by adding the average daily and peak hour trips from the cumulative projects (shown in Table 12) to the existing traffic volumes for the study area roadway segments and intersections.

6.3 Near Term Operations

6.3.1 Near Term Roadway Operations

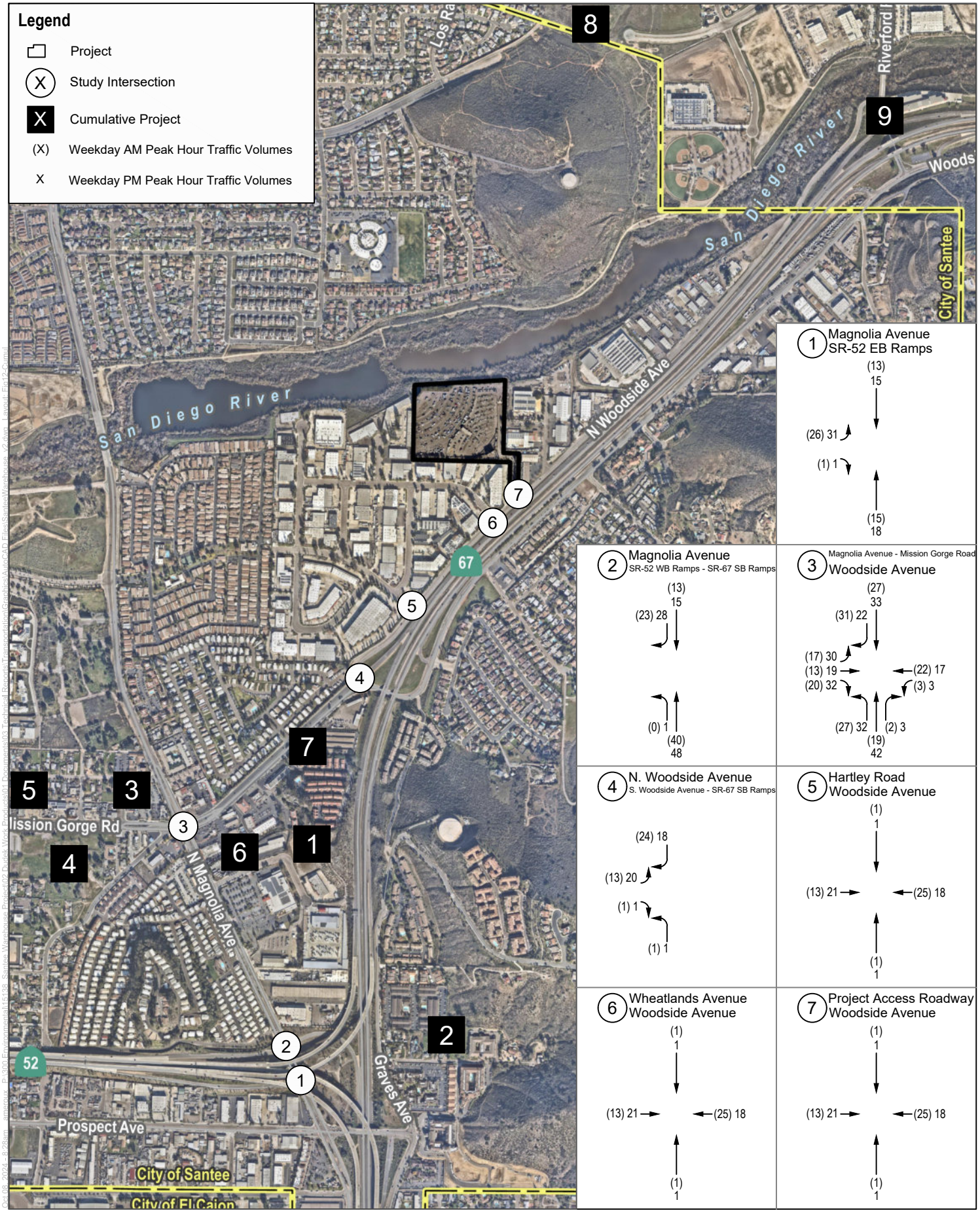
A roadway segment LOS analysis was prepared for the Near-Term conditions using the roadway segment LOS methodologies as discussed in Section 1.3, Analysis Methodology. Table 13 shows the results of the Near Term conditions LOS analysis for the study roadway segments. As shown in the table, the study area roadway segments of Woodside Avenue and Magnolia Avenue are estimated to operate at LOS C or better under Near Term conditions.

6.3.2 Near Term Intersection Operations

Near Term traffic volumes include existing traffic and traffic from the addition of cumulative projects (Figure 12) in the vicinity of the project. Figure 13 illustrates the Near Term (no project) traffic volumes for peak hour conditions.

An intersection LOS analysis was prepared for the Near Term conditions using HCM 6 methodology via the Synchro LOS software as discussed in Section 1.3. Table 14 shows the results of the Near-Term conditions analysis. LOS worksheets are provided in Appendix G. As shown in the table, all intersections would continue to operate at satisfactory levels of service (LOS D or better) under Near Term conditions.

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS, Open Street Maps

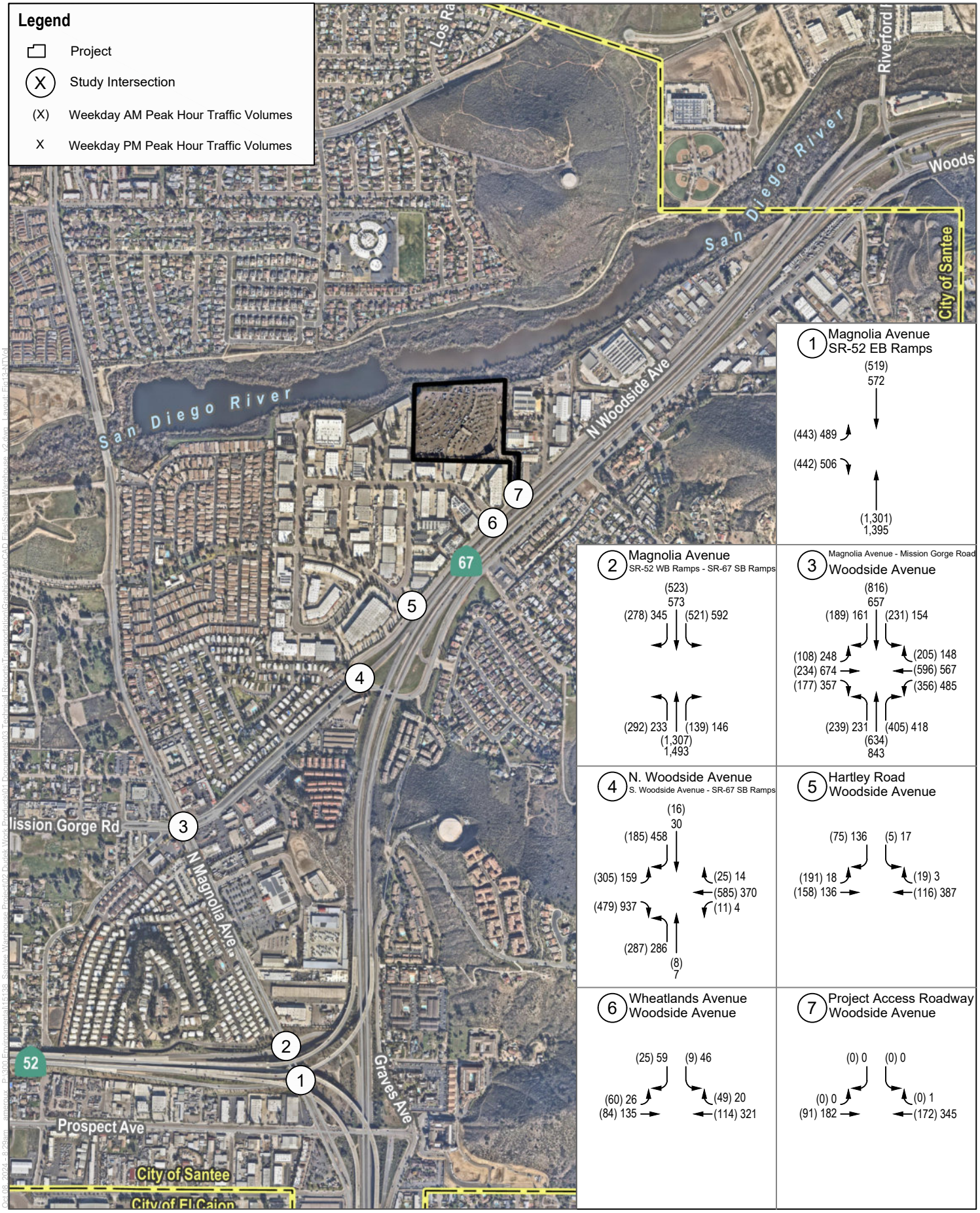
DUDEK NOT TO SCALE

FIGURE 12

Cumulative Project Location and Peak Hour Traffic Volumes

Palisade Santee Commerce Center Project

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS, Open Street Maps

DUDEK

NOT TO SCALE

FIGURE 13

Near Term Peak Hour Traffic Volumes (PCE)

Palisade Santee Commerce Center Project

INTENTIONALLY LEFT BLANK

6.4 Near Term plus Project Traffic Operations

This section details Near Term plus Project traffic volumes and intersection operations within the study area. The total project trip assignments shown in Figure 6 were added to the Near Term peak hour traffic volumes shown in Figure 13 to derive the Near Term plus Project peak hour traffic condition. Figure 14 shows the Near Term plus Project peak hour traffic volumes.

6.4.1 Roadway Operations

A roadway segment LOS analysis was prepared for the Near Term plus Project conditions using the roadway segment LOS methodologies as discussed in Section 1.3, Analysis Methodology. Table 13 shows the results of the Near Term plus Project conditions LOS analysis for the study area roadway segments. As shown in the table, the study area roadway segments of Woodside Avenue and Magnolia Avenue would continue to operate at LOS C or better under Near Term plus Project conditions.

A project's traffic effect is determined if it exceeds the volume to capacity ratio by 0.02 or more at roadway segments operating at LOS E or F. Because the roadway segments operate at LOS C or better and not at LOS E or F, the proposed project would not exceed the City's criteria for project-specific traffic effect, which determines the needs for roadway improvements. Hence, no roadway improvements are proposed.

6.4.2 Intersection Operations

An intersection LOS analysis was prepared for the Near Term plus Project condition using the HCM 6 methodology, and Table 14 summarizes the results of the Near Term plus Project intersection analysis for the AM and PM peak hours. Detailed LOS calculation worksheets are included in Appendix G.

As shown in the table, with the exception of the Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection, all study area intersections would continue to operate at satisfactory levels of service (LOS D or better) under Near Term plus Project conditions. The Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection would operate at LOS E in the AM peak hour and LOS F in the PM peak hour. The proposed project would increase the delay by more than 2 seconds at this intersection. Therefore, the proposed project would exceed the City's criteria for project-specific traffic effect under Near Term plus Project conditions. See Section 8 for project-specific improvements.

INTENTIONALLY LEFT BLANK

Table 13. Near Term Roadway Level of Service

No.	Roadway Segment	Applicable ADT[1]	Near Term			Project Trips (in PCE) [2]	Near Term plus Project			Change in V/C	Above Allowable Change for Project Traffic Effect
			ADT	V/C	LOS		ADT	V/C	LOS		
1	Magnolia Avenue, south of Mission Gorge - Woodside Avenue	60,000	34,137	0.57	B	856	34,993	0.58	B	0.01	No
2	Woodside Avenue, between Magnolia Avenue and Woodside Avenue	40,000	28,009	0.70	C	1,223	29,232	0.73	C	0.03	No
3	Woodside Avenue, between Woodside Avenue to Project Driveway	10,000	4,441	0.44	B	1,223	5,664	0.57	C	0.12	No
4	Project Driveway, north of Woodside Avenue	2,200	117	NA	NA	1,439	1,556	NA	NA	NA	No

Notes: ADT = Average daily traffic; V/C = Volumes to Capacity ratio; LOS = Level of Service; NA = NA = Not Applicable because LOS does not apply to non-CE roads

1 Classification and LOS determined from City of Santee Mobility Element, Adopted by City Council October 25, 2017 (Resolution No. 114-2017)

Table 14. Near Term Peak Hour Intersection Level of Service

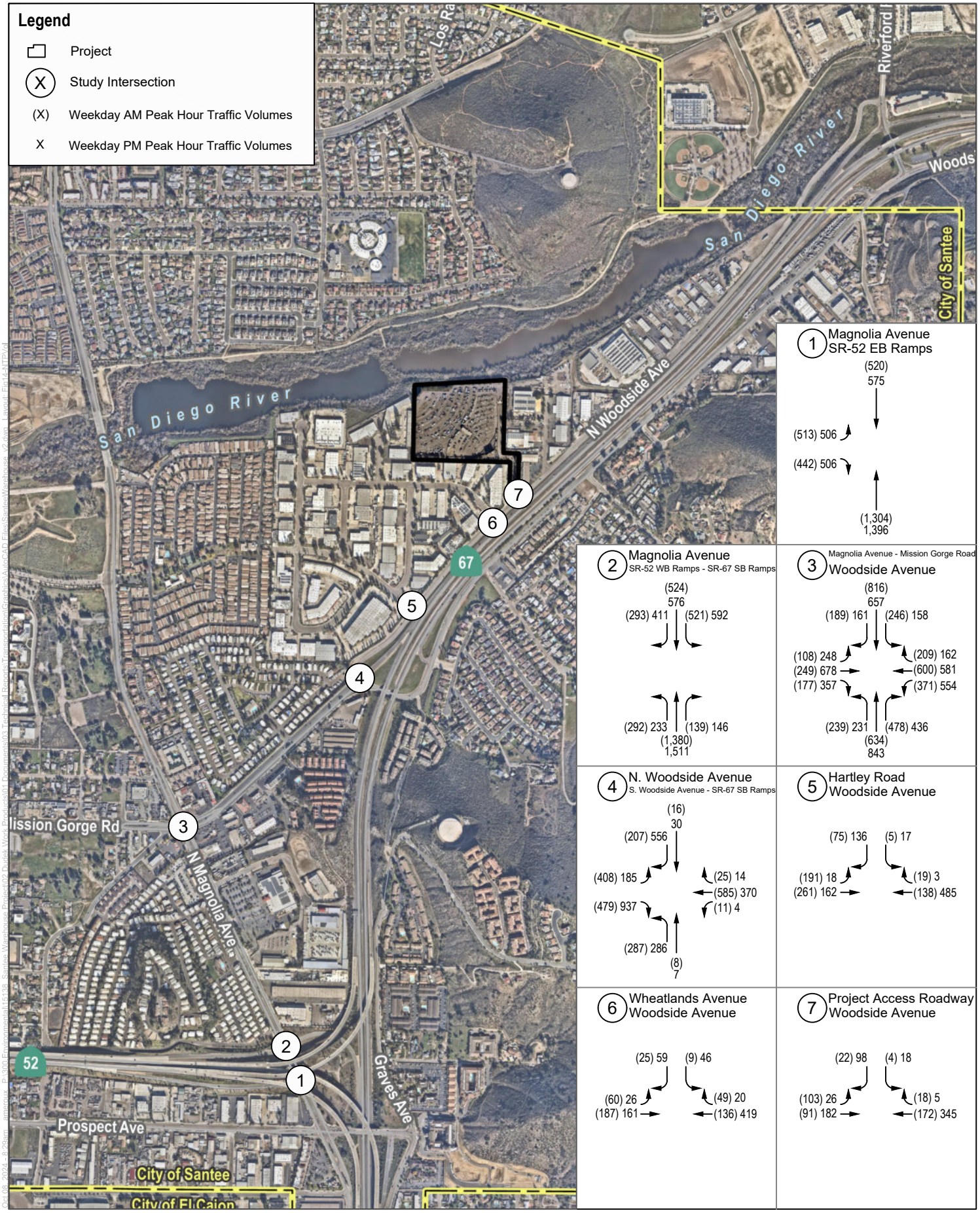
No.	Intersection	LOS Method	Near Term				Near Term plus Project				Change in Delay		Above Allowable Change for Project Traffic Effect	
			AM Peak		PM Peak		AM Peak		PM Peak					
			Delay[1]	LOS[2]	Delay[1]	LOS[2]	Delay[1]	LOS[2]	Delay[1]	LOS[2]	AM	PM	AM	PM
1	Magnolia Avenue/SR-52 EB Off-Ramps	HCM/Signalized	21.7	C	24.1	C	23.8	C	24.5	C	2.1	0.4	No	No
2	Magnolia Avenue/SR-52 WB On-Ramp - SR-67 SB On-Ramp	HCM/Signalized	11.0	B	10.6	B	10.7	B	10.6	B	-0.3	0.0	No	No
3	Magnolia Avenue - Mission Gorge Road/Woodside Avenue	HCM/Signalized	32.9	C	41.0	D	33.5	C	43.6	D	0.6	2.6	No	No
4	N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp	AWSC	25.3	D	28.6	D	**45.1**	**E**	**53.5**	**F**	**19.8**	**24.9**	**Yes**	**Yes**
5	Hartley Road/N. Woodside Avenue	TWSC	10.1	B	14.1	B	10.5	B	16.6	C	0.4	2.5	No	No
6	Wheatlands Avenue/N. Woodside Avenue	TWSC	9.9	A	13.1	B	10.4	B	15.2	C	0.5	2.1	No	No
7	Project Access Driveway/N. Woodside Avenue	TWSC	0.0	A	0.0	A	10.4	B	13.8	B	10.4	13.8	No	No

Notes: HCM = Highway Capacity Manual; **X** – Unsatisfactory operating conditions/LOS; AWSC – All-Way Stop Control; TWSC – Two-Way Stop Control

1 Delay in seconds per vehicle

2 Level of Service (LOS)

INTENTIONALLY LEFT BLAN



SOURCE: SanGIS, Open Street Maps

FIGURE 14

Near Term plus Project Peak Hour Traffic Volumes (PCE)

Palisade Santee Commerce Center Project

DUDEK

NOT TO SCALE

INTENTIONALLY LEFT BLANK

7 Horizon Year Conditions

This section presents the analysis of Horizon Year traffic conditions when the project would be constructed and fully operational. The horizon year conditions are based on the year 2035 conditions that would exist in the study area.

7.1 Roadway Conditions

The roadway segment of Magnolia Avenue and Woodside Avenue are built out under existing conditions. Therefore, the capacity was assumed to be same as existing conditions. N. Woodside Avenue, between Woodside Avenue to Project Driveway was assumed to be improved to the standards of a Parkway (i.e., two lanes with a TWLTL). All intersection configurations, have been assumed to be preserved under the Horizon Year conditions, as shown in Figure 7. The Proposed Update to Existing Circulation Element Technical Report and Traffic Impact Study (July 2017) prepared for the City of Santee Mobility Element proposes a roundabout[3] at the N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection, in its Preferred Circulation Plan. However, per discussions with the City staff, the proposed roundabout has been removed from their Capital Improvement Program. Therefore, the existing stop control operation has been assumed at the N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection in the Horizon Year roadway conditions.

7.2 Traffic Volumes

The Horizon Year traffic volumes (ADT and AM and PM peak hour) have been estimated based on review of forecast traffic volumes in the Fanita Ranch Traffic Impact Study (LLG 2020). The Horizon Year intersection volumes were not available for the entire study area along Woodside Avenue, therefore, for Intersection 4 through 7, a growth factor was estimated by comparing the existing ADT with the horizon year ADT along Woodside Avenue near the project site. Figure 15 illustrates the Horizon Year traffic volumes for the peak hour conditions.

7.3 Horizon Year Operations

7.3.1 Roadway Operations

A roadway segment LOS analysis was prepared for the Horizon Year conditions using the roadway segment LOS methodologies as discussed in Section 1.3, Analysis Methodology. Table 15 shows the results of the Horizon Year conditions LOS analysis for the study roadway segments. As shown in the table, the study area roadway segments of Woodside Avenue between Magnolia Avenue and N. Woodside Avenue and between N. Woodside Avenue and Project Driveway would operate at LOS E under Horizon Year conditions.

7.3.2 Intersection Operations

Figure 15 illustrates the Horizon Year traffic volumes for peak hour conditions. An intersection LOS analysis was prepared for the Horizon Year conditions using HCM 6 methodology via the Synchro LOS software as discussed in

[3] Existing Circulation Element Technical Report and Traffic Impact Study (July 2017) pg. 159 "SR-67 Southbound Off-Ramp & Woodside Avenue - Convert this intersection to a roundabout with a northbound left-turn lane, a northbound right-turn bypass lane, an eastbound shared through/right-turn lane, and a westbound shared left/through-turn lane."

Section 1.3. Table 15 shows the results of the Horizon Year conditions analysis. LOS worksheets are provided in Appendix H.

As shown in the table, the Magnolia Avenue - Mission Gorge Road/Woodside Avenue intersection would operate at LOS E in the AM and PM peak hour conditions under Horizon year conditions. The Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection would operate at LOS F in the AM peak hour and LOS F in the PM peak hour. All other intersections operate at acceptable LOS conditions.

7.4 Horizon Year plus Project Operations

This condition includes analysis of traffic operations under Horizon Year conditions with project traffic added to the Horizon Year ADT and AM and PM peak hour intersection traffic volumes. Based on review of SANDAG land use and trip rate used in the General Plan Mobility Element for the traffic analysis zone (TAZ) the project is located within, it was noted that the project trip generation exceeded the TAZ trip generation for allowable light industrial use by 33.%. Therefore, to account for the additional project trip generation, approximately, 33.6% of the project traffic was added to the Horizon Year intersections and roadway segments. The Horizon Year intersection volumes were not available for the entire study area along Woodside Avenue, therefore, to provide a conservative analysis, a 100% of the project trips were assigned to the project driveways and intersections along Woodside Avenue near the project site. The traffic effects specific to the project under this condition were used as the basis for determining the project's long-term effects.

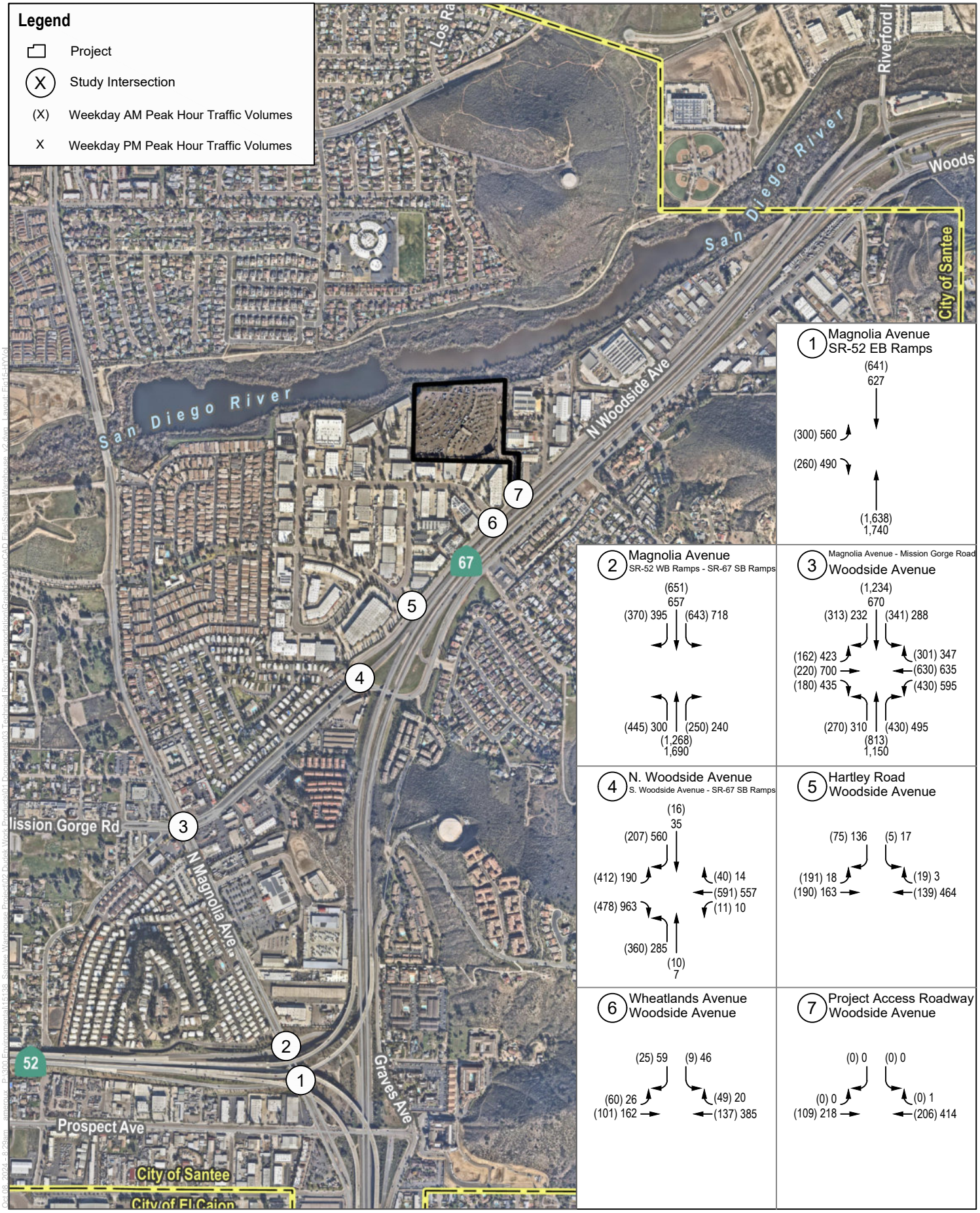
7.4.1 Roadway Operations

A roadway segment LOS analysis was prepared for the Horizon-Year conditions using the roadway segment LOS methodologies as discussed in Section 1.3, Analysis Methodology. Table 15 shows the results of the Horizon Year conditions LOS analysis for the study roadway segments. As shown in the table, the study area roadway segments of Woodside Avenue between Magnolia Avenue and N. Woodside Avenue and between N. Woodside Avenue and Project Driveway would operate at LOS E under Horizon Year plus conditions. Because the roadway segments operates at LOS E and the increase is greater than 0.02, the proposed project would exceed the City's criteria for project-specific traffic effect at the roadway segment of N. Woodside Avenue between Woodside Avenue and Project Driveway. Since the roadway segment is constructed at buildout classification per the City's Mobility Element, no further improvements to this roadway segment are recommended.

7.4.2 Intersection Operations

Figure 16 illustrates the Horizon Year traffic volumes for peak hour conditions. An intersection LOS analysis was prepared for the Horizon Year conditions using HCM 6 methodology via the Synchro LOS software as discussed in Section 1.3. Table 16 shows the results of the Horizon Year conditions analysis. LOS worksheets are provided in Appendix H.

As shown in the table, the Magnolia Avenue - Mission Gorge Road/Woodside Avenue intersection would operate at LOS E in the AM and PM peak hour conditions under Horizon year plus Project conditions. However, the proposed project would not increase the delay by more than 2 seconds and therefore, not exceed the City's criteria for project-specific traffic effect under Horizon Year plus Project conditions. No improvements are required. The Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection would operate at LOS F in the AM peak hour and PM peak hour conditions. The proposed project would increase the delay by more than 2 seconds at this intersection. Therefore, the proposed project would exceed the City's criteria for project-specific traffic effect under Horizon Year plus Project conditions. See Section 8 for project-specific improvements.



SOURCE: SanGIS, Open Street Maps

FIGURE 15

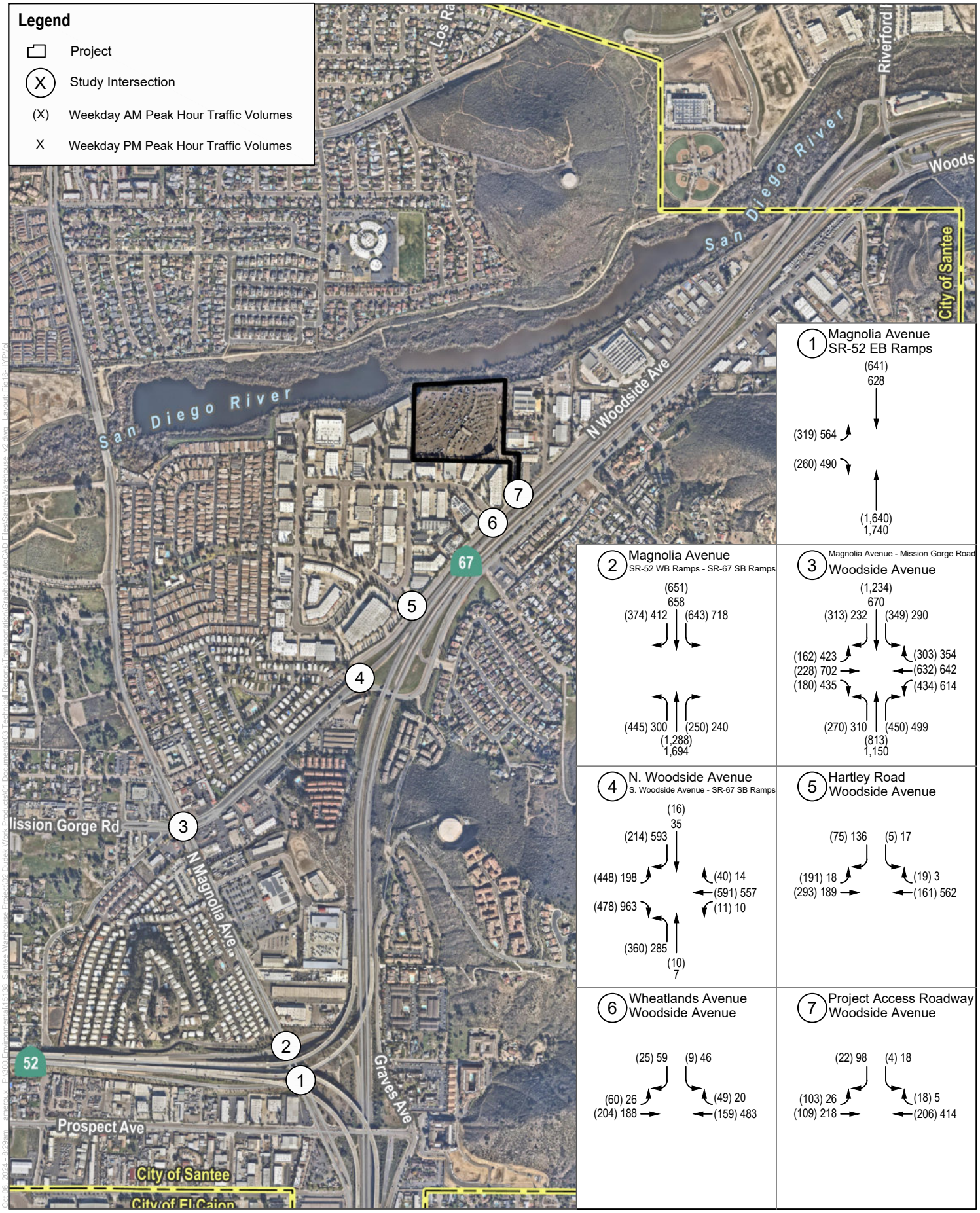
Horizon Year Peak Hour Traffic Volumes (PCE)

Palisade Santee Commerce Center Project

DUDEK

NOT TO SCALE

INTENTIONALLY LEFT BLANK



SOURCE: SanGIS, Open Street Maps

FIGURE 16

Horizon Year plus Project Peak Hour Traffic Volumes (PCE)

Palisade Santee Commerce Center Project

DUDEK

NOT TO SCALE

INTENTIONALLY LEFT BLANK

Table 15. Horizon Year Roadway Level of Service

No.	Roadway Segment	Applicable ADT[1]	Horizon Year			Project Trips (in PCE) [2]	Horizon Year plus Project			Change in V/C	Above Allowable Change for Project Traffic Effect
			ADT	V/C	LOS		ADT	V/C	LOS		
1	Magnolia Avenue, south of Mission Gorge - Woodside Avenue	60,000	36,950	0.62	C	288	37,238	0.62	C	0.00	No
2	Woodside Avenue, between Magnolia Avenue and N. Woodside Avenue	40,000	36,600	0.92	**E**	411	37,011	0.93	**E**	0.01	**No**
3	N. Woodside Avenue, between Woodside Avenue to Project Driveway	15,000	13,000	0.87	**E**	411	13,411	0.89	**E**	0.02	**Yes**
4	Project Driveway, north of Woodside Avenue	2,200	117	—	—	1,439	1,556	—	—	—	No

Notes: ADT = Average daily traffic; V/C = Volumes to Capacity ratio; LOS = Level of Service; NA = Not Applicable NA = Not Applicable because LOS does not apply to non-CE roads

[1] Classification and LOS determined from City of Santee Mobility Element, Adopted by City Council October 25, 2017 (Resolution No. 114-2017)

Table 16. Horizon Year Peak Hour Intersection Level of Service

No.	Intersection	LOS Method	Horizon Year				Horizon Year plus Project				Change in Delay		Above Allowable Change for Project Traffic Effect	
			AM Peak		PM Peak		AM Peak		PM Peak					
			Delay[1]	LOS[2]	Delay[1]	LOS[2]	Delay[1]	LOS[2]	Delay[1]	LOS[2]	AM	PM	AM	PM
1	Magnolia Avenue/SR-52 EB Off-Ramps	HCM/Signalized	13.3	B	44.0	D	14.1	B	44.3	D	0.8	0.3	No	No
2	Magnolia Avenue/SR-52 WB On-Ramp - SR-67 SB On-Ramp	HCM/Signalized	8.3	A	9.6	A	8.3	A	9.6	A	0.0	0.0	No	No
3	Magnolia Avenue - Mission Gorge Road/Woodside Avenue	HCM/Signalized	**59.4**	**E**	**64.0**	**E**	**59.7**	**E**	**65.8**	**E**	**0.3**	**1.8**	**No**	**No**
4	N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp	AWSC	62.9	F	70.1	F	76.4	F	84.2		13.5	14.1	Yes	Yes
5	Hartley Road/N. Woodside Avenue	TWSC	10.2	B	16.0	C	10.7	B	-19.2	C	0.5	3.2	No	No
6	Wheatlands Avenue/N. Woodside Avenue	TWSC	9.9	A	14.5	B	10.4	B	17.0	C	0.5	2.5	No	No
7	Project Access Driveway/N. Woodside Avenue	TWSC	0.0	A	0.0	A	10.8	B	15.6	B	10.8	15.6	No	No

Notes: HCM = Highway Capacity Manual; **X** – Unsatisfactory operating conditions/LOS; AWSC – All-Way Stop Control; TWSC – Two-Way Stop Control

[1] Delay in seconds per vehicle

[2] Level of Service (LOS)

INTENTIONALLY LEFT BLANK

8 Project Access, On-Site Circulation and Improvement Measures

This section documents the project access evaluation to provide an eastbound left-turn lane along Woodside Avenue. The section also provides improvement measure for the N. Woodside Avenue/S. Woodside Avenue – SR-67 SB Off-Ramp intersection.

8.1 Project Access Evaluation

As mentioned in Section 1, the access to the proposed project would be from N. Woodside Avenue via the project access driveway (Intersection 7). Per City's request, an evaluation for eastbound left turn lane at this access driveway was conducted. The left-turn lane evaluation was conducted using the methodology from the American Association of State Highway Transportation Officials' (AASHTO, 2018) – Geometric Design of Highways and Streets ("Green Book"). Per Section 9.7.3 Design Treatments for Left-Turn Maneuvers, 9.7.3.1 Guidelines for Providing and Design of Left-Turn and Bypass Lanes, many factors enter into the choice of type of intersection and the extent of design of a given type, but the principal controls are the design-hour traffic volume, the character or composition of traffic, and the design speed. The character of traffic and design speed affects many details of design, but in choosing the type of intersection they are not as significant as the traffic volume. Of particular significance are the actual and relative volumes of traffic involved in various turning and through movements.

Traffic-volume-based guidelines for where left-turn lanes should be provided are presented in Table 9-24 and Figure 9-35 for arterials in urban areas (see Appendix I). This table and figure are applicable at unsignalized intersection with streets and driveways where the major road is uncontrolled and the minor-road approaches are stop- or yield-controlled.

Additionally, the HCM indicates that exclusive left-turn lanes should be considered where left-turn volumes exceed 100 vehicles/hour (veh/hr). As shown on Figures 5 and 6, during the AM peak hour, there are approximately 109 eastbound left turn vehicles from N. Woodside Avenue into the project site. Of the total 103 vehicles, 55 vehicles (in PCE) or 53% are trucks. Because the left-turning volumes at the exceed the AASHTO suggested left-tun lane guidance of 50 or more veh/hr (see Appendix I) and HCM guidance of 100 veh/hr and due to high truck volume, it is recommended that a dedicated eastbound left turn lane be constructed at the Project Access Driveway/Woodside Avenue.

8.2 On-Site Circulation and Parking

On-site circulation and access to the project will be provided by a circuitous roadway (see Figure 2) that would also serve as fire lane. The width of the internal roadway is between 30 feet to 40 feet. The on-site driveway will be designed per City's Standard Drawings and requirements of the Fire Code to provide turn radii for fire truck and apparatus to access all parts of the site.

The parking ratio used to calculate on-site parking requirements is consistent with the Section 13.24.040 Parking requirements of the City of Santee Municipal Code[4]. Per code, for industrial uses that include warehousing and

[4] City of Santee. https://library.qcode.us/lib/santee_ca/pub/municipal_code/item/title_13-chapter_13_24-13_24_040

distribution, one parking space for 1,000 square feet of gross floor area should be provided. The project would require and proposes a total of 301 parking spaces for 301,445 square feet of industrial space.

Parking designated for electric vehicles (EV), including spaces associated with clean air vehicles have been provided per code requirement. Long-term and short-term bicycle parking[5] would be provided per City's code requirement.

As such, the project would provide adequate parking spaces.

8.3 Improvement Measures

8.3.1 Project Access Driveway/N Woodside Avenue

The following improvement measures would be constructed by the project to improve traffic flow near the project site:

- The project would construct a dedicated eastbound left turn lane at the Project Access Driveway/ Woodside Avenue.
- The project access driveway will be designed per City specifications for commercial driveway per City of Santee standard PW-21[6].
- The project would be responsible for constructing frontage improvements including sidewalks along the northern side of N. Woodside Avenue and connect to the existing sidewalk along N. Woodside Avenue that lies to the west of the project's driveway. No sidewalk exists to the east and accordingly no new sidewalk is required to be constructed.
- The project would also install a crosswalk to improve pedestrian circulation at the Project Access Driveway/N. Woodside Avenue.

8.3.2 N. Woodside Avenue Roadway Segment

Although the roadway segment of N. Woodside Avenue near Project Driveway is forecast to operate at LOS E, as shown in Section 7, with the frontage and project access improvements described above, the operation of the Project Access Driveway/N. Woodside Avenue would facilitate traffic flow and truck turn movement along Woodside Avenue near the project site. Since the roadway segment is constructed at buildout classification per the City's Mobility Element, no further improvements to this roadway segment are recommended.

---

5 Bicycles. All commercial and office areas shall provide adequate locking facilities for bicycle parking at any location convenient to the facility for which they are designated. Whenever possible, weatherproofing or facility covering should be used.
Short-Term Bicycle Parking. If the project is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for five percent of visitor motorized vehicle parking capacity, with a minimum of one two-bike capacity rack.
Long-Term Bicycle Parking. For buildings with over 10 tenant-occupants, provide secure bicycle parking for five percent of motorized vehicle parking capacity, with a minimum of one space. Acceptable parking facilities shall be convenient from the street and may include:
i. Covered, lockable enclosures with permanently anchored racks for bicycles;
ii. Lockable bicycle rooms with permanently anchored racks; and
iii. Lockable, permanently anchored bicycle lockers.

6 City of Santee. https://www.cityofsanteeca.gov/home/showpublisheddocument/18044/637048465192800000

8.3.3 N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp Intersection

The proposed project would result in a traffic effect at the N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection, under Existing plus Project, Near Term plus Project conditions, and Horizon Year plus Project conditions.

Based on the Proposed Update to Existing Circulation Element Technical Report and Traffic Impact Study (July 2017) prepared for the City of Santee Mobility Element, a roundabout is proposed at this intersection in its Preferred Circulation Plan. However, per discussions with the City staff, the proposed roundabout has been removed from the City's Capital Improvement Program. Therefore, the roundabout is not considered to be a feasible improvement for this intersection. Furthermore, Caltrans would not accept any lane addition (such as a dedicated right turn lane along N. Woodside Avenue adjacent to the current shared through-right turn lane) at this intersection, Therefore, no improvements to intersection lane geometry or control can be recommended at this time.

Based on discussions with the City staff, the project would construct a missing segment of sidewalk along N. Woodside Avenue near the N. Woodside Avenue/Woodside Avenue - SR-67 SB Off-Ramp intersection and near the project driveway, for a total of 990 linear feet or approximately 0.2 miles. The project would also be responsible for pavement rehabilitation and restriping of N. Woodside Avenue to the satisfaction of the City Engineer from Caltrans right-of-way at the intersection of the SR-67 to the easternmost edge of the project driveway's intersection with N. Woodside Avenue. In addition, the project would install approximately 1,240 SF of new roadway to fill in an unpaved area between the edge of the existing roadway and the new proposed sidewalk. Although this improvement would not reduce delay or improve LOS at the Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection, it would improve non-vehicular circulation and pavement conditions along Woodside Avenue and would be considered an acceptable improvement by the City in lieu of improving delay or LOS.

A conceptual exhibit prepared by the applicant illustrating the proposed sidewalk and pavement rehabilitation at the N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection is included in Appendix J.

Per City's request, an intersection lane queuing analysis was also conducted for informational purposes and is summarized in Section 8.3.4.

8.3.4 N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp Intersection Queuing Analysis

An intersection lane queuing analysis, using SimTraffic 11 software, was conducted to determine the 95th percentile (design) queue of the existing storage lanes at the N. Woodside Avenue/ Woodside Avenue – SR-67 SB Off-Ramp intersection. The intersection's queues were calculated for the Existing, and Existing plus Project= = conditions. To account for actual vehicular volume with mix of traffic (cars and trucks) observed in the field, queuing analysis was conducted using non-PCE traffic volumes and heavy vehicle percentage for each turn movement. It should be noted that nominal pedestrian and bicycle activity was observed at this intersection as shown in Appendix C, Traffic Counts. The SimTraffic queuing reports and non-PCE peak hour intersection volumes, heavy vehicle percentages are provided in Appendix K.

This analysis determined whether potential queuing and spillback would impact the SR-67 mainline as well as Woodside Avenue. The geometric configuration of the intersection was assumed to be the same under Existing conditions without the project and with Project conditions,

Intersection Queuing Analysis

Tables 17 summarize the 95th percentile queuing analysis conducted for the intersection under Existing and Near-Term conditions. The 95th percentile (design) queue is the maximum queue that would only occur during a smaller portion of the peak hour and the analysis is provided for informational purposes.

As shown in Table 17, under Existing conditions, there are no movements where the 95th percentile queues would exceed their storage lengths during the weekday AM or weekday PM peak hours. Under Existing plus Project conditions, all movements would experience an increase in vehicular queues however, most queues would be accommodated in the storage length available. except for the eastbound left turn lane (during AM peak hour).

For the eastbound left turn lane queue, it should be noted that while the next intersection to the west, the entrance to the Mission Del Magnolia mobile home community, is approximately 820 feet away, there is still adequate length available along Woodside Avenue for vehicles to queue in the AM peak hour. The queue is likely to exceed 850 feet or one car length, as shown in Table 17, only 5 percent of the time during the AM peak hour. On an average, this queue length would be approximately 434 feet (see Appendix K). It should be noted that there is no specific criteria for assessing queuing impacts. However, it is recommended that “KEEP CLEAR’” pavement markings be installed west of this intersection to maintain vehicular ingress and egress to/from the Mission Del Magnolia community to eastbound Woodside Avenue.

Caltrans Off-Ramp Queues

Additionally, it should be noted that under Existing and Existing plus Project conditions analyzed, the westbound turn movements at the SR-67 off-ramp do not exceed the storage length available. The analysis indicates there are currently no queuing issues that may potentially spill back onto the SR-67 mainline.

Table 17. Queuing Summary for Existing Conditions (95th Percentile Queue)

Intersection	Movement	Storage Length[1]	Existing (w/o improvement)				Existing plus Project			
			AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour	
			95th percentile Queue[2]	Exceeds Storage Length	Queue[2]	Exceeds Storage Length	Queue[2]	Exceeds Storage Length	Queue[2]	Exceeds Storage Length
N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp	EBL[3]	820	208	No	410	No	850	**Yes**	257	No
	EBR[3]	820	49	No	822	No	474	No	640	No
	WBLT[4]	775	352	No	108	No	356	No	124	No
	WBTR	265	245	No	69	No	278	No	77	No
	NBLT[3]	725	259	No	159	No	344	No	154	No
	SBTR[3]	480	83	No	465	No	98	No	464	No

Notes: SR = State Route; EBL = Eastbound left; EBR = Eastbound right; WBLT = Westbound Left-Through; WBLT = Westbound Through-Right; NBLR = Shared Northbound Left-Right; SBTR = Shared Southbound Through-Right; SBR = Southbound Right

1 Storage length is exceeded if the calculated distance is less than or equal to the storage length provided.
2 Based on 95th percentile queue length in SimTraffic 11.
3 Length measured from nearest driveway or intersection.
4 Length measured from the gore point of SR-67.

8.3.5 Social, Economic and Pedestrian Safety Benefits of Proposed Improvement Measures

The applicant has prepared a detailed memorandum (Appendix L) describing project's consistency, with the City's Mobility Element goals and policies as well as outlining its social and economic benefits. The memorandum provides reasons to accept deficient LOS at this intersection which include the following:

- **Feasibility of proposed improvement:** The free-right turn proposed by the project to the City and Caltrans would have improved the LOS to D; however, Caltrans has denied this request. The only improvement measure acceptable to Caltrans is the installation of the full roundabout. The construction of a roundabout was deemed economically infeasible, as described in the memo.
- **The effectiveness of non - automotive components of the circulation system would be maintained or improved as a result:** The project proposes to improve pedestrian circulation by installing a continuous sidewalk from N. Woodside Avenue on the east, through the street's intersection with the SR-67 Southbound Off-ramp and then connect to the existing sidewalk on Woodside Avenue on the west. Currently the sidewalk is discontinuous through the intersection, leaving pedestrians to traverse approximately 130 feet of unimproved shoulder between sidewalks. **Overriding economic benefits:** The project would generate substantial economic and social benefits to the City, its residents, and its businesses. In summary, the project would generate approximately $1.8M direct income to the City over a 10 year period. In addition, economically, the project would generate $23.5M in wages paid to construction workers and then upon completion $42.9M of labor income annually. See Appendix L for detailed calculation of these benefits.

  In addition, the project proposes to rehabilitate the pavement of N. Woodside Avenue starting from, on the west, where it meets the Caltrans right-of-way at the intersection of the SR-67 to the easternmost edge of the project driveway's intersection with N. Woodside Avenue, to the satisfaction of the City Engineer. In addition, the project will install approximately 1,240 SF of new roadway to fill in an unpaved area between the edge of the existing roadway and the new proposed sidewalk.

This section of Woodside Avenue has deteriorated over decades of use by local and through traffic, as well as from the truck traffic servicing the industrial park to the north of N. Woodside Avenue. By funding and performing the repaving work, the project will create a significant public benefit, improving street conditions for both City residents and businesses in the industrial park and relieving this financial burden from the City of Santee. Refer to Appendix J for a conceptual exhibit prepared by the applicant illustrating the proposed sidewalk and pavement rehabilitation at the N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection and Appendix L for a detailed discussion on project's consistency with Mobility Element policies.

9 Project Design Feature and Mitigation Measure

The proposed project would result in a traffic effect at the N. Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp intersection, under Existing plus Project, Near Term plus Project and Buildout plus Project conditions, As explained in Section 8.3, **PDF-TRA-1 Multi-modal Intersection Improvements** will be implemented, consistent with City's Mobility Element goals and policies as well as social and economic benefits in lieu of improving delay at the intersection:

PDF-TRA-1 Multi-modal Intersection Improvements: Prior to the issuance of a building permit, the project applicant will pay its traffic impact fees to the satisfaction of the City Engineer. Prior to the Certificate of Occupancy, the project will construct a new on-site sidewalk to connect the main entrance of the building with the existing sidewalk on N. Woodside Avenue. The project applicant will also rehabilitate the pavement with a full width and adequate structural section of N. Woodside Avenue starting from, on the west, where it meets the Caltrans right of way at the intersection of the SR-67 to the eastern most edge of the project driveway's intersection with N. Woodside Avenue, to the satisfaction of the City Engineer. The project applicant will also install approximately 1,240 SF of new roadway to fill in an unpaved area between the edge of the existing roadway and the new proposed sidewalk near N. Woodside Avenue's intersection with the SR-67. The project will install "KEEP CLEAR'" pavement markings west of this intersection to maintain vehicular ingress and egress to/from the Mission Del Magnolia community to eastbound Woodside Avenue.

The following mitigation measures would be implemented to reduce the project's VMT impact described in Section 4:

MM TRA 1 Trip Reduction Program: Prior to the issuance of first Certificate of Occupancy, the project tenant will prepare a Trip Reduction program. The program shall include the following components:

1. **Implement Commute Trip Reduction Marketing:**
    a. Set-up a Transportation Kiosk, either physically on-site or online, with transportation information that employees could access at work or on their smart phones or personal computers. If an online kiosk, information can be available on the company's website (or intranet, or internal website). The project developer or property manager will have responsibility for setting up and maintaining the information center. The Transportation Kiosk will have site-specific information about all the measures, services, and facilities discussed in this Program. In addition, the information center will include:
    b. A summary of local bus routes and local bicycle facilities to provide further information about their routes and schedules and the incentive programs available to transit users.
    c. Information about ride matching services (SANDAG - Bike Services) and on-site ride matching) and the incentive programs available to carpools.
    d. Information about services such as Uber, Lyft, and other on-demand transportation services.
    e. A local bikeways map and bicycling resources
    f. Availability of bicycle parking such as lockers and amenities including bike pumps, repair stations, full coverage lighting and security cameras.

g. Information about bicycle education classes taught by certified league instructors from the San Diego County Bicycle Coalition.

2. **Provide Ridesharing Program:** The project tenant will promote ride-sharing programs through a multi-faceted approach, such as designating a certain percentage of parking spaces for ride-sharing vehicles, designating adequate passenger loading and unloading and waiting areas for ride-sharing vehicles, and/or providing a website or message board for coordinating rides. A designated employee may partner with SANDAG to use programs such as SANDAG Vanpool, Employer Commuter Program and Guaranteed Ride Home.
3. **Implement Subsidized or Discounted Transit Program:** The project tenant would provide or reimburse the cost of monthly transit passes (such as Pronto card or mobile app) to the employees who use bus or rail transit to work to create incentive programs that reward employees for utilizing non-single occupancy vehicles to commute.
4. **Provide End of Trip Bicycle Facilities:** The project will provide at least 15 bicycle parking spaces per City's parking code requirement[7]. Where possible, appropriate designed electrical outlets will be included near the bicycle racks for charging electric bicycles (E-bikes).

MM TRA 2 Construction of Sidewalk: The Project will construct a new on-site sidewalk to connect the main entrance of the building with the existing sidewalk on N. Woodside Avenue. Together, with the sidewalk constructed per **PDF-TRA-1**, this will be a total of 990 linear feet of new sidewalk.

[7] Per City's code 5% of motorized parking should be bicycle parking, therefore 5% of 301 car parking spaces = 15 bicycle parking spaces.

10 Findings and Recommendations

Based on the transportation analysis of the proposed project, the following findings on VMT analysis, study area roadway and intersection levels of service, and project effects and mitigation and improvement measures are made:

Project Description and Trip Generation

- The proposed project includes the demolition of the existing drive-in theater and the construction of a 300,145 SF industrial/warehousing building as well as associated improvements at 10990 Woodside Avenue in the City.
- The proposed project would generate approximately 1,011 daily non-PCE trips, 102 AM peak hour trips (83 inbound and 19 outbound), and 103 PM peak hour trips (23 inbound and 80 outbound). Adjusting for PCE, the proposed project would generate approximately 1,440 daily PCE trips, 148 AM peak hour trips (121 inbound and 27 outbound), and 146 PM peak hour trips (30 inbound and 116 outbound).

VMT Analysis and Mitigation Measures

- The proposed project would generate less than 2,400 ADT. Therefore, the project's VMT analysis was conducted using the SANDAG SB 743 maps. Compared to the regional mean of 18.9 VMT per employee, the VMT per employee of the project's census tract is 22.2 VMT. Because the project's VMT is higher than the regional average of the census tract it is located within, the project would result in a significant VMT impact.
- A VMT reduction of 11.3% would be achieved through the implementation of Commute Trip Reduction Program measures and construction of sidewalk facilities along Woodside Avenue. A reduction of 15% is required to reduce the VMT per employee to at or below regional level. **As shown in Section 9, MM-TRA-1 Trip Reduction Program** would be implemented by the project's tenants to reduce the project's VMT and **MM-TRA-2 Construction of Sidewalk** would improve pedestrian network connectivity in the area. Because the project's VMT would not be reduced to below significance threshold even with the implementation of MM-TRA-1 and MM-TRA-2, the project's VMT impact would remain **significant and unavoidable**.

Traffic Analysis and Improvement Measures

- Under Existing plus Project conditions and Near Term plus Project conditions, all the study area roadway segments would operate at LOS D or better. Under Horizon Year and Horizon Year plus Project conditions, the roadway segment of Woodside Avenue between Magnolia Avenue and N. Woodside Avenue and N. Woodside Avenue between Woodside Avenue to Project Driveway would operate at LOS E. A project's traffic effect is determined if it exceeds the volume to capacity ratio by 0.02 or more at roadway segments operating at LOS E or F. Based on that criterion, the proposed project would exceed the City's criteria for traffic effect at N. Woodside Avenue and N. Woodside Avenue between Woodside Avenue to Project Driveway, which determines the needs for roadway improvements. Project access driveway improvements and frontage improvements along N. Woodside Avenue would facilitate traffic flow and truck turn movement along Woodside Avenue near the project site. Since Woodside Avenue is constructed at buildout classification per the City's Mobility Element, no further improvements to this roadway segment are recommended.

  The proposed project would result in a traffic effect at the N. Woodside Avenue/S. Woodside Avenue – SR-67 SB Off-Ramp intersection, under Existing plus Project, Near Term plus Project and Buildout plus

Project conditions, **PDF-TRA-1 Multi-modal Intersection Improvements (see Section 9)** will be implemented, consistent with City's Mobility Element goals and policies as well as social and economic benefits in lieu of improving delay at the intersection:

- The project would construct a dedicated eastbound left turn lane at the Project Access Driveway/ N. Woodside Avenue. The project access driveway will be designed per City specifications for commercial driveways. The project would be responsible for constructing frontage improvements including sidewalks along the northern side of Woodside Avenue and connect to the existing sidewalk along N. Woodside Avenue. The project would also install crosswalks to improve pedestrian circulation at the Project Access Driveway/N. Woodside Avenue.

11 References

AASHTO (American Association of State Highway and Transportation Officials). A policy on Geometric Design of Highways and Streets. 2018. 7th Edition

CAPCOA (California Air Pollution Control Officers Association). 2021. Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity.

City of Santee. 2017. Proposed Update to Existing Circulation Element (Mobility Element) Technical Report and Traffic Study. July 2017.

City of Santee. 2017. General Plan Mobility Element, Adopted October 25, 2017.

City of Santee. 2022. City of Santee VMT Analysis Guidelines. April 13, 2022

Transportation Impact Analysis Fanita Ranch, Santee, March 25, 2020

ITE (Institute of Transportation Engineers). 2021. Trip Generation Manual. 11th ed.

OPR (California Governor's Office of Planning and Research). 2018. Technical Advisory on Evaluating Transportation Impacts in CEQA. December 2018. Accessed February 2021. http://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf.

SANDAG (San Diego Association of Governments). 2002. Brief Guide of Vehicular Trip Generation Rates for the San Diego Region. April 2002.

TRB (Transportation Research Board). 2016. Highway Capacity Manual, Sixth Edition: A Guide for Multimodal Mobility Analysis.

INTENTIONALLY LEFT BLANK

Appendix A

Transportation Scoping Document

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

MEMORANDUM

To:	Minjie Mei, Principal Traffic Engineer, City of Santee
From:	Sabita Tewani, AICP, PTP, Transportation Planner
Subject:	Revised Transportation Impact Study (TIS) Scoping for the Palisade Santee Commerce Center Project, City of Santee
Date:	August 16, 2023, Updated September 2024
cc:	Kristen Stoner, Dudek Dennis Pascua, Dudek
Attachments:	Figures 1-3 A – Observed Trip Rate Summary and Driveway Count Sheets B – Cumulative Projects and Santee Active Projects Map (~~June 2023~~ August 2024) C –VMT Scoping Form

The following memorandum provides the revised scope of work for the Transportation Impact Study (TIS) for the Palisade Commerce Santee Commerce Center Project (project). The scope revisions incorporate the City's comments from April 2023 (April 19, 2023, Inter-Office Memo) as well as item discussed in subsequent calls with the City's Traffic Engineers, Minjie Mei and Jeff Morgan, and include the following:

- An increase in square footage from 291,290 square feet (SF) to 300,145 SF (+8,855 SF).
- A trip generation survey of existing, similar industrial land uses to substantiate the use of trip rates from the current edition of the Institute of Transportation Engineers (ITE) Trip Generation, 11th Edition (2021).
- Revised vehicle miles traveled (VMT) findings based on use of the ITE trip rates for the project.

The proposed project site is located at 10990 N. Woodside Avenue in the City of Santee (City) on a site currently occupied by the Santee Drive In Theater. The following memorandum has been prepared consistent with the City of Santee Vehicle Miles Traveled (VMT) Analysis Guidelines (April 13, 2022) and the ITE Guidelines for Transportation Impact Studies in the San Diego Region (May 2019) which provide guidance on the requirements to evaluate transportation impacts using VMT and level of service (LOS) metrics for projects in the City. This memorandum provides the documentation related to selection of appropriate trip rates for the project, the resulting trip generation, proposed traffic study area and analysis scenarios, cumulative projects list, and the SANDAG VMT summary for the proposed project.

1 Project Description

The proposed project includes the demolition of the existing drive-in theater and the construction of a 300,145 SF industrial/warehousing building as well as associated improvements including loading docks, trailer stalls, passenger vehicle parking spaces, and street, sidewalk, and landscape improvements. The Assessor Parcel

Number (APN) of the Project site is 381-070-5200. The City's General Plan Land Use Map designates the project site the entire site as Light Industrial.

Figure 1 illustrates the project's location. Regional access to the project site is available from State Route (SR) 52 and SR 67 via Magnolia Avenue, Woodside Avenue, and Riverford Road. The Project would be accessed via a dedicated drive aisle on Woodside Avenue which leads to two 40-foot-wide driveways. These driveways and an on-site roadway would provide access to the vehicle parking lots and two truck courts. Vehicle parking for employees would be in parking lots along the periphery of the project site. The site plan of the proposed project is shown on Figure 2.

2 Project Traffic

The project would include construction of a 300,145 SF industrial building with approximately 10,000 SF of mezzanine space and up to 42 dock high doors. The building could be used for multiple tenants for warehousing and distribution, manufacturing, assembly, research and development, and related office uses. Therefore, Dudek reviewed available trip generation rates in SANDAG (2002) Brief Guide of Vehicular Trip Generation Rates for the San Diego Region and also compared them to the trip rates of industrial uses in the Institute of Transportation Engineers (ITE) Trip Generation, 11th Edition (2021). The SANDAG trip rates are significantly higher for warehousing (5 trips/TSF) and an industrial park use (8 trips/TSF) when compared to the current ITE Trip Generation Manual. Therefore, as directed by the City, Dudek conducted trip generation surveys of existing, similar industrial uses in the San Diego region. The surveys were conducted since there are large discrepancies between industrial land use trip rates reported in the SANDAG (2002) and ITE (2021) trip generation rate sources.

2.1 Trip Generation Survey

Dudek identified three industrial sites with warehousing, manufacturing, and/or research and development uses, in similar size and location to the proposed project and collected empirical data at those sites to establish an appropriate trip generation rates for the proposed project. The selected sites were representative of uses that might occupy the project site. If found to be appropriate by the City, the use of this empirical data to estimate daily and peak hour project traffic volumes for passenger cars and trucks would be utilized for the project's transportation analysis. In discussion with the City, the following sites were selected for the trip generation surveys:

- Site 1. Vision Systems, Inc: an approximately 140,000 SF manufacturing/warehousing use (including outdoor materials yard) located at 11322 N. Woodside Avenue in the City of Santee. (see Attachment A, Figure a)
- Site 2. MagnaFlow: an approximately 330,000 SF research & development/manufacturing/warehousing use in two adjacent buildings (240,000 SF and 90,000 SF) located at 1901 Corporate Center Drive and 3937 Ocean Ranch Boulevard, respectively, in the City of Oceanside. (see Attachment A, Figure b)
- Site 3. Veritiv Distribution Warehouse: an approximately 212,275 SF warehousing use located at 2005 Harmony Grove Rd in the City of Escondido. (see Attachment A, Figure c)

24-hour traffic counts were collected at the driveways of the sites listed above for two consecutive weekdays in the month of June 2023. The counts included all vehicles, bicyclists, and pedestrians that entered or exited these

sites. The driveway counts were classified by vehicle type (i.e., passenger-cars and light, medium, and heavy trucks) and by the time of the day for a period of two days. The driveway counts were summed and averaged over the two-day period and used to establish a vehicular trip rate for passenger cars and trucks per TSF of building area for the daily, AM peak hour and PM peak hour of the generator and the peak hour of adjacent street traffic for each site. See Attachment A for details on Observed Trip Rate Summary and Driveway Count Sheets.

As shown in Attachment A, the summary of Observed Trip Generation Rates at the sites surveyed in the San Diego region, the highest trip generation rate was at Site 1 (3.15 daily trips per TSF) and the lowest trip generation site was at Site 3 (0.41 daily trips per TSF). The percentage of truck trips of the total daily trips was also observed to be low at Site 1 (0.21 truck trips/TSF, or 6.8% of 3.15 daily trips/TSF) and Site 2 (0.15 truck trips/TSF, or 6.3% of 2.43 daily trips/TSF). The truck trips were noted to be higher at Site 3 (0.10 trips/TSF, or 25% of 0.41 daily trips/TSF).

2.2 Project Trip Generation

Based on the driveway counts results, and the low trip generation observed at all three industrial use sites, Dudek recommends using the ITE trip generation rate for the Industrial Park use (ITE Code 130) at 3.37 daily trips/TSF to estimate the project's daily, AM peak hour, and PM peak hour trip generation. The ITE daily trip rate (3.37 trips/TSF) is higher than Site 1 which had the highest surveyed empirical rate (3.15 trips/TSF). Additionally, to provide a conservative estimate of truck trips, the warehouse truck fleet mix from the South Coast Air Quality Management District's (SCAQMD) Warehouse Truck Trip Study Data Results and Usage (2014) be used to estimate project-related truck traffic. Based on the SCAQMD data, passenger cars would account for 72.5% trips of the total trips generated by a warehouse facility, and truck trips would account for approximately 27.5% of the total trips. The ITE and SCAQMD trip generation data are widely used for other industrial projects in southern California.

The total percentage of truck trips were further divided by 2-axle, 3-axle, and 4+ axle trucks per the SCAQMD study. These truck trips generated by the project are provided in PCE trips by using appropriate PCE factors. PCE factors consistent with the standard practice were used to estimate the total PCE trips for the project. Table 1 provides the project's trip generation summary.

Table 1. Project Trip Generation Summary

Land Use	Daily Trip Rate/Unit		AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
Trip Rates and Trip Generation								
Industrial Park [1]	3.37 trips/TSF		0.28	0.06	0.34	0.07	0.27	0.34
Land Use	**Units**	**Daily**						
Project (300.145 TSF)	Total Trips (non-PCE)	1,011	83	19	102	23	80	103
	Passenger Cars	*733*	*60*	*14*	*74*	*16*	*58*	*74*
	Trucks (non-PCE)	*278*	*24*	*5*	*29*	*6*	*23*	*29*
Trucks (PCE)								
Vehicle Mix[2]	Passenger Cars (72.5%)	733	60	14	74	16	58	74

Table 1. Project Trip Generation Summary

Land Use	Daily Trip Rate/Unit		AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
and PCE Trips	2-axle Trucks (4.6%)	46	*4*	*1*	*5*	*1*	*4*	*5*
	3-axle Trucks (5.7%)	58	*5*	*1*	*6*	*1*	*5*	*6*
	4+axle Trucks (17.2%)	174	*15*	*3*	*18*	*4*	*14*	*18*
	Non - PCE Trips	**1,011**	**83**	**19**	**102**	**23**	**80**	**103**
Trip Generation (PCE)								
Vehicle Mix[2] and PCE Trips	Passenger Cars (72.5%)	733	60	14	74	16	58	74
	2-axle Trucks (4.6%)	70	6	1	7	1	6	7
	3-axle Trucks (5.7%)	115	10	2	12	2	10	12
	4+axle Trucks (17.2%)	522	45	9	54	11	42	53
	PCE Trips	**1,440**	**121**	**27**	**148**	**30**	**116**	**146**

Notes: TSF = thousand square feet, PCE = passenger car equivalent Some of the totals may not match exactly due to rounding.
1 Trip rates from the ITE.
2 Vehicle Mix from the SCAQMD 2014.

As shown in Table 1, using the ITE and SCAQMD trip generation data, the proposed project would generate approximately 1,011 daily trips, 102 AM peak hour trips (83 inbound and 19 outbound), and 103 PM peak hour PCE trips (23 inbound and 80 outbound). With PCE conversion, the proposed project would generate approximately 1,440 daily PCE trips, 148 AM peak hour PCE trips (121 inbound and 27 outbound), and 146 PM peak hour PCE trips (30 inbound and 116 outbound).

3 LOS Analysis

3.1 Study Area

Per the ITE San Diego Regional guidelines, the study area for the LOS analysis should be based on the threshold of 50 or more AM or PM peak-hour project trips that pass through an intersection. Based on the project's trip generation (Table 1) and trip distribution shown on Figure 3, the following intersections (shown on Figure 1) are proposed for the project's LOS analysis:

1. Magnolia Avenue/SR-52 eastbound off-ramp
2. Magnolia Avenue/SR-52 westbound on-ramp - SR-67 southbound on-ramp
3. Magnolia Avenue-Mission Gorge Road/Woodside Avenue
4. N. Woodside Avenue/Woodside Avenue – SR 67 southbound off-ramp
5. Hartley Road/N. Woodside Avenue
6. Wheatlands Avenue/N. Woodside Avenue
7. Project Access Roadway/N. Woodside Avenue

The following roadway segments are proposed for the analysis:

1. N. Woodside Avenue, between Project Driveway and Woodside Avenue
2. Woodside Avenue, between Magnolia Avenue and N. Woodside Avenue – Woodside Avenue
3. Magnolia Avenue, between Woodside Avenue-Mission Gorge Road and SR-52 westbound on-ramp-SR-67 southbound on-ramp

3.2 Study Scenarios

The following scenarios will be analyzed in the LOS analysis:

- Existing Conditions
- Existing Plus Project Conditions
- Near-Term Conditions
- Near-Term plus Project Conditions
- Horizon Year Conditions
- Horizon year plus Project Conditions

~~A buildout horizon year analysis is not proposed since the project is consistent with the City's land use/zoning and is not proposing any roadway network changes that are not accounted for in the General Plan. Additionally, the project trip generation would not exceed the threshold of 2,400 ADT requiring a buildout SANDAG model run.~~

3.3 ~~Existing and Near-Term~~ Traffic Volumes

New traffic counts were collected during the AM and PM peak hours at the proposed study area intersections, and 24-hour daily counts at the roadway segments were collected on one typical weekday in May 2023 while nearby schools were in session. The Near-Term traffic volumes will be developed using information on cumulative projects in the vicinity of the project within the City. Dudek reviewed the currently available map of approved/pending projects. In consultation with the City, Dudek has prepared a list of six projects which would be included in the Near-Term conditions traffic analysis. See Attachment B for details on cumulative projects. The horizon Year traffic volumes (ADT and AM and PM peak hour) will be estimated using the recently approved Fanita Ranch Traffic Impact Study (LLG 2020).

3.4 Traffic Analysis

Intersection LOS and roadway segment capacity analyses will be analyzed consistent with the Highway Capacity Manual (HCM) methodology for the Existing and Near-Term conditions (with and without project). For any operational deficiencies found, per Table 7-1 – Determination of the Need for Roadway Improvements provided in the ITE guidelines, site or operational improvements will be provided to lessen the project's LOS effects.

Dudek will qualitatively analyze the transit, pedestrian, and bicycle facilities that serve the project site. Project access and on-site circulation will be based on the City's Standard Plans/Drawings for access and on-site circulation design requirements. Vehicular queuing at the project's driveway intersection (Project Access Roadway/Woodside Avenue) will

be analyzed for adequacy based on the 95th percentile (design) queues. As requested by the City, Dudek will evaluate the need for a dedicated eastbound left turn into the Project Access Roadway from Woodside Avenue.

For any project related traffic effects found, Dudek will determine appropriate and feasible improvement measures.

4 VMT Analysis and Impact Determination

The City's VMT scoping form is attached to this memorandum (Attachment C). The project site is within Census Tract 166.07 under the current SANDAG Travel Demand model. Since the project's daily trip generation estimate would be below 2,400 average daily trips, and the project's census tract includes other employee-based uses, a project-specific model run by SANDAG would not be required. Based on the San Diego Region SB743 VMT Maps and using City's criteria for evaluation of Industrial projects, the project is within a high-VMT generating area for VMT per employee (i.e., greater than or equal to the regional mean). Compared to the regional mean of 18.9 VMT per employee, the VMT per employee of the project's census tract is 22.2 VMT. Therefore, it can be inferred that the proposed project would result in a significant VMT impact.

To mitigate project's VMT impacts, TDM strategies from the California Air Pollution Control Officers Association (CAPCOA) Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity (2021) (GHG Reduction Handbook) and the SANDAG Mobility Management Guidebook/VMT Reduction Calculator Tool will be provided in the TIS.

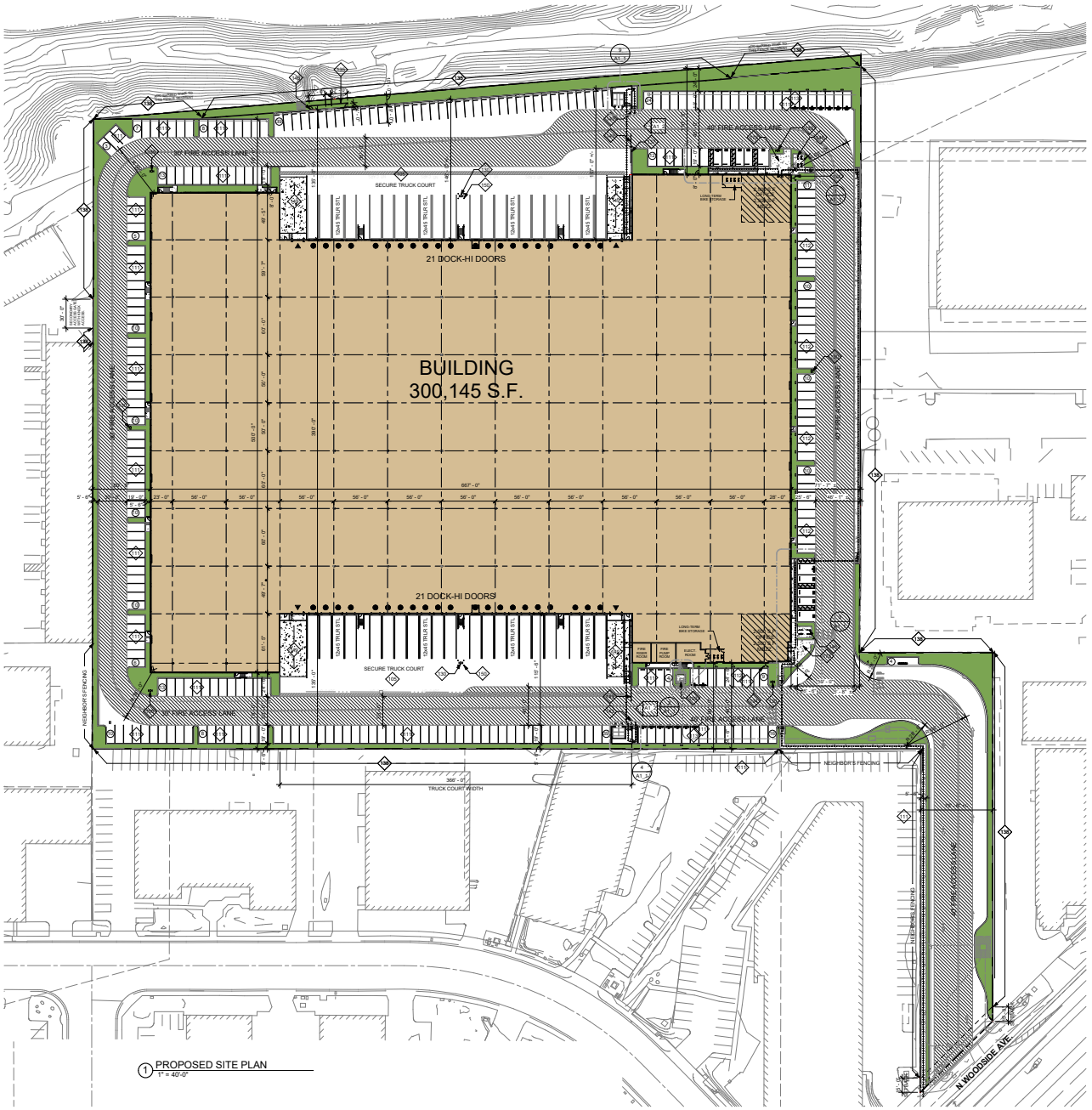
SOURCE: SanGIS, Open Street Maps

NOT TO SCALE

FIGURE 1

Project Location and Study Area

Palisade Santee Commerce Center Project



DEVELOPER/OWNER

NORTH PALISADE PARTNERS
1330 FACTORY PLACE #105, LOS ANGELES, CA 90013
CONTACT: BRIAN WONG
PHONE: 310.242.1812
EMAIL: BRIAN.WONG@NORTHPALISADE.COM
WEBSITE: WWW.NORTHPALISADE.COM

APPLICANT'S REPRESENTATIVE/ARCHITECT

HERDMAN ARCHITECTURE & DESIGN, INC.
100 BAYVIEW CIRCLE SUITE 100
NEWPORT BEACH, CA 92660
CONTACT: BRIDGET HERDMAN
PHONE: 714.389.2800
EMAIL: PROJECTADMIN@HERDMAN-AD.COM

SCOPE OF WORK

CONSTRUCT NEW ONE STORY + MEZZANINE CONCRETE TILT-UP WAREHOUSE/DISTRIBUTION FACILITY WITH ELECTRICAL AND PLUMBING SERVICES, EXTERIOR LIGHTING, LANDSCAPING & IRRIGATION, TRASH ENCLOSURES, CONCRETE SCREEN WALLS, AND SLIDING/SWINGING METAL GATES. FIRE SPRINKLER AND GRADING PLANS TO BE A SEPARATE SUBMITTAL AND PERMIT

LEGAL DESCRIPTION & ZONING

LEGAL DESCRIPTION: SEE CIVIL

ASSESSOR'S PARCEL NO.: 381-070-52-00

PROJECT INFORMATION & AREA ANALYSIS

BUILDING ADDRESS: 10990 WOODSIDE AVE. SANTEE, CA 92071
CONSTRUCTION TYPE: II-B
OCCUPANCY: B / S-1
FIRE SPRINKLER: YES (ESFR NFPA 72, NFPA 13 & NFPA 24)
CLEAR HEIGHT: 36'

ZONING:
GENERAL PLAN: G-I (NERAL INDUSTRIAL)
SPECIFIC PLAN: N/A
FEMA FLOOD ZONE: NO FLOOD ZONE

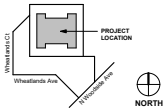
BUILDING SETBACKS:
FRONT SETBACK: 15'
SIDE SETBACK: 5'
REAR SETBACK: NONE

ALLOWABLE AREA:
UNLIMITED AREA PER CBC 507 PER TABLE 508.2

SHEET INDEX

A0	TITLE SHEET
A1	SITE PLAN
A1_0	SITE UTILIZATION MAP
A1_1	ENLARGED PARTIAL SITE PLANS
A1_2	GATE & FENCE ELEVATION
A1_4	STRIPING & SIGNAGE PLAN
A2	GROUND LEVEL FLOOR PLANS
A4	EXTERIOR ELEVATIONS
A5	EXTERIOR ELEVATION COLOR BOARD
C1	CONCEPTUAL GRADING PLAN
C2	CONCEPTUAL UTILITY PLAN
L-1	CONCEPTUAL LANDSCAPE PLAN
L-2	LANDSCAPE SECTIONS
FC-1.0	SITE PHOTOMETRIC PLAN
R-1	RENDERING
R-2	RENDERING
R-3	RENDERING
R-4	RENDERING
R-5	RENDERING
R-6	RENDERING

VICINITY MAP



SITE PLAN GENERAL NOTES

1. THE SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS.
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS.
3. U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTER LINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL FRAMING.
4. REFER TO CIVIL AND MEP PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECT'S SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
5. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY.
6. ALL ACCESSIBLE ROUTES IDENTIFIED ON THE SITE PLAN DRAWINGS SHALL CONFORM TO THE FOLLOWING:
   a) SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%, CROSS SLOPES DO NOT EXCEED 2%.
   b) THE CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN.
   c) CHANGES IN LEVEL UP TO 1/2" COMPLY w/ 11A\D.2.1. CHANGES IN LEVEL GREATER THAN 1/2" IF THEY OCCUR ARE RAMPED. SEE PLANS.
   d) THE VERTICAL CLEARANCE ALONG THE ACCESSIBLE ROUTE IS 80" MIN.
7. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH, 6" WIDE CONCRETE CURB U.O.N.
8. A CONCRETE MOW STRIP EXTENDING 12" BEYOND EA END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 3' VERTICAL OF THE FINISHED GRADE. SEE 2/A01.1
9. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. IF PIPE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND OR FIRE AUTHORITY SEE DETAIL 3/A01.1
10. ALL EXPOSED BIORETENSION DEVICE COVERINGS SHALL BE PAINTED FOREST GREEN.
11. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO INTERIOR SPACE OR WHERE THE SOIL SIDE IS ADJACENT FLOOR SLAB IN BELOW GRADE. SEE 6/A01.2
12. PROVIDE A HOSE BIB NEAR THE MAIN ENTRANCE AND IN THE TRASH ENCLOSURE. SEE PLAN FOR LOCATION.

KEYNOTES

105	CONCRETE PAVING.
109	(N) TRANSFORMER LOCATION.
111	TYP U.O.N., STANDARD PARKING STALL. 9'-0" WIDE x 19'-0" DEEP
112	EV (ELECTRIC VEHICLE) CAPABLE PARKING STALL. PROVIDE FOR FUTURE EVSE (ELECTRIC VEHICLE SUPPLY EQUIPMENT). MATCH STANDARD STALL SIZE
113	EVCS (ELECTRIC VEHICLE CHARGING STATION). PROVIDE EVSE (ELECTRIC VEHICLE SUPPLY EQUIPMENT). MATCH STANDARD STALL SIZE.
130	(N) FIRE HYDRANT.
134	FIRE DEPARTMENT CONNECTION (FDC).
135	PRE-CAST CONCRETE FENCE SUPPORTED BY METAL POSTS FROM GREENFIELD FENCE. MIN HEIGHT 6'ABOVE HIGHEST ADJACENT FINISHED GRADE. PAINT BOTH SIDES AND TOP OF WALL.
137	TUBE STEEL FENCE. MIN HEIGHT 8' ABOVE HIGHEST ADJACENT FINISHED GRADE.
138	CHAIN LINK FENCE. MIN HEIGHT 8' ABOVE HIGHEST ADJACENT FINISHED GRADE.
143	PAINTED STEEL ROLLING GATE(S). MIN HEIGHT 8' ABOVE HIGHEST ADJACENT FINISHED GRADE OR AS SHOWN ON EXTERIOR ELEVATIONS. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.
145	PAINTED STEEL SWINGING PEDESTRIAN GATE. WHEN OCCURS IN TUBE STEEL FENCE, ALIGN TOP w/ FENCE HEIGHT. WHEN OCCURS IN CONCRETE SCREEN WALL, U.O.N., ALIGN TOP w/ SCREEN WALL. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.
146	2 POSITION BIKE RACK.
149	CONCRETE TRUCK RAMP w/ 42" HIGH CONCRETE TILT-UP GUARD ON OPEN SIDE(S). PAINT ALL SIDES OF GUARD WALLS AND HANDRAILS SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
150	STEEL PIPE BOLLARD PROTECTION POST.
178	OUTDOOR EMPLOYEE BREAK AREA.

LOT AREA

SQUARE FOOTAGE	ACRES
587730 SF	13.49

FLOOR AREA RATIO

BUILDING AREA	SITE AREA	FAR ALLOWABLE	FAR PROVIDED
300145 SF	587730 SF	100%	51.1%

BUILDING AREA SUMMARY

NAME	AREA
GROUND FLOOR	
WAREHOUSE	290145 SF
OFFICE	2500 SF
OFFICE	2500 SF
	295145 SF
MEZZANINE	
OFFICE	5000 SF
	5000 SF
GROUND LEVEL + MEZZANINE	
WAREHOUSE	290145 SF
OFFICE	10000 SF
TOTAL BUILDING AREA	300145 SF

LANDSCAPE AREA SUMMARY

* SEE LANDSCAPE PLAN

TOTAL PARKING REQUIRED

BUILDING USE	BUILDING AREA	PARKING RATIO 1/X	REQ. PARKING
OFFICE	10000 SF	1000	11
WAREHOUSE	290145 SF	1000	291
TOTAL: 4	300145 SF		302

REQUIRED PARKING BREAKDOWN

SPACE TYPE	SPACES REQUIRED
STANDARD STALLS	230
STANDARD ACCESSIBLE STALLS	6
VAN ACCESSIBLE STALLS	2
EV CAPABLE STALL (w/o EVSE)	45
EVCS (EV CAPABLE STALL w/ EVSE)	18
STANDARD ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
VAN ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
TOTAL	301

PARKING PROVIDED

SPACE TYPE	SPACES PROVIDED
STANDARD STALLS	230
STANDARD ACCESSIBLE STALLS	6
VAN ACCESSIBLE STALLS	2
EV CAPABLE STALL (w/o EVSE)	45
EVCS (EV CAPABLE STALL w/ EVSE)	18
STANDARD ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
VAN ACCESSIBLE EVCS (EV CAPABLE STALL w/ EVSE)	1
TOTAL	301

SITE LEGEND

LANDSCAPE AREA

CONCRETE PAVING WHEN OCCURS @ PARKING AREAS, DRIVE AISLES, & OR TRUCK COURT. SEE CIVIL DRAWINGS FOR PAVING SECTIONS

FIRE HYDRANT. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY THE FIRE AUTHORITY. SEE 3/A01.1

STREET LIGHT

INDICATES AN ACCESSIBLE ROUTE. MUST COMPLY w/ SITE PLAN GENERAL NOTE #6

PROPERTY LINE

DOCK HIGH DOOR

DRIVE THRU. DOOR

PROJECT
PALISADE SANTEE COMMERCE CENTER
SANTEE, CA
FINAL APPROVAL SET

NORTH PALISADE PARTNERS

HERDMAN ARCHITECTURE + DESIGN

A22-2164
06.04.2024

SITE PLAN

NORTH

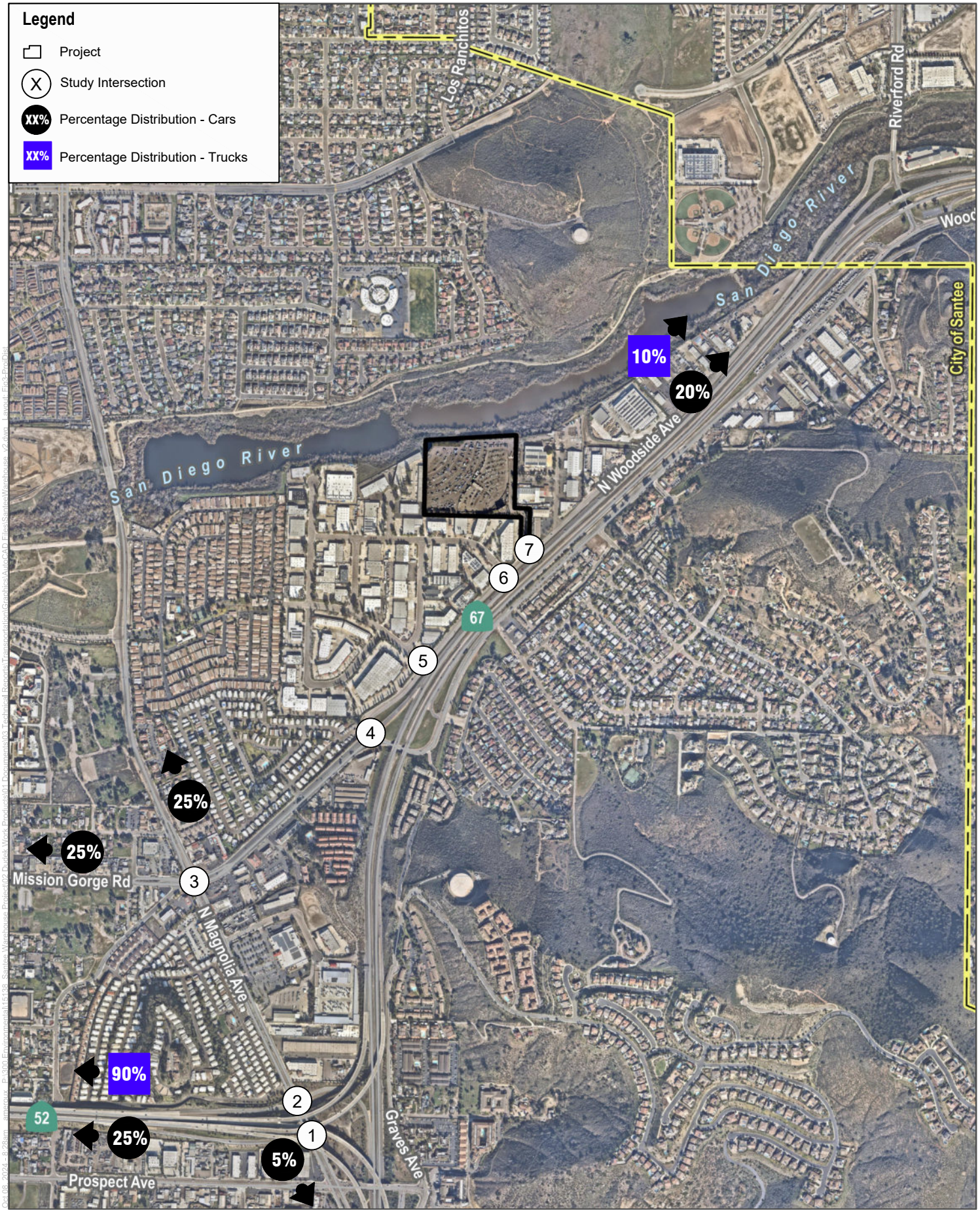
A1

6/4/2024 11:26:36 AM

SOURCE: Herdman Architecture + Design 2023

DUDEK NOT TO SCALE

FIGURE 2
Site Plan
Palisade Santee Commerce Center Project



SOURCE: SanGIS, Open Street Maps

DUDEK

NOT TO SCALE

FIGURE 3

Project Trip Distribution

Palisade Santee Commerce Center Project

Attachment A

Trip Rate Summary and Driveway Count Sheets

SOURCE: Bing Imagery 2021

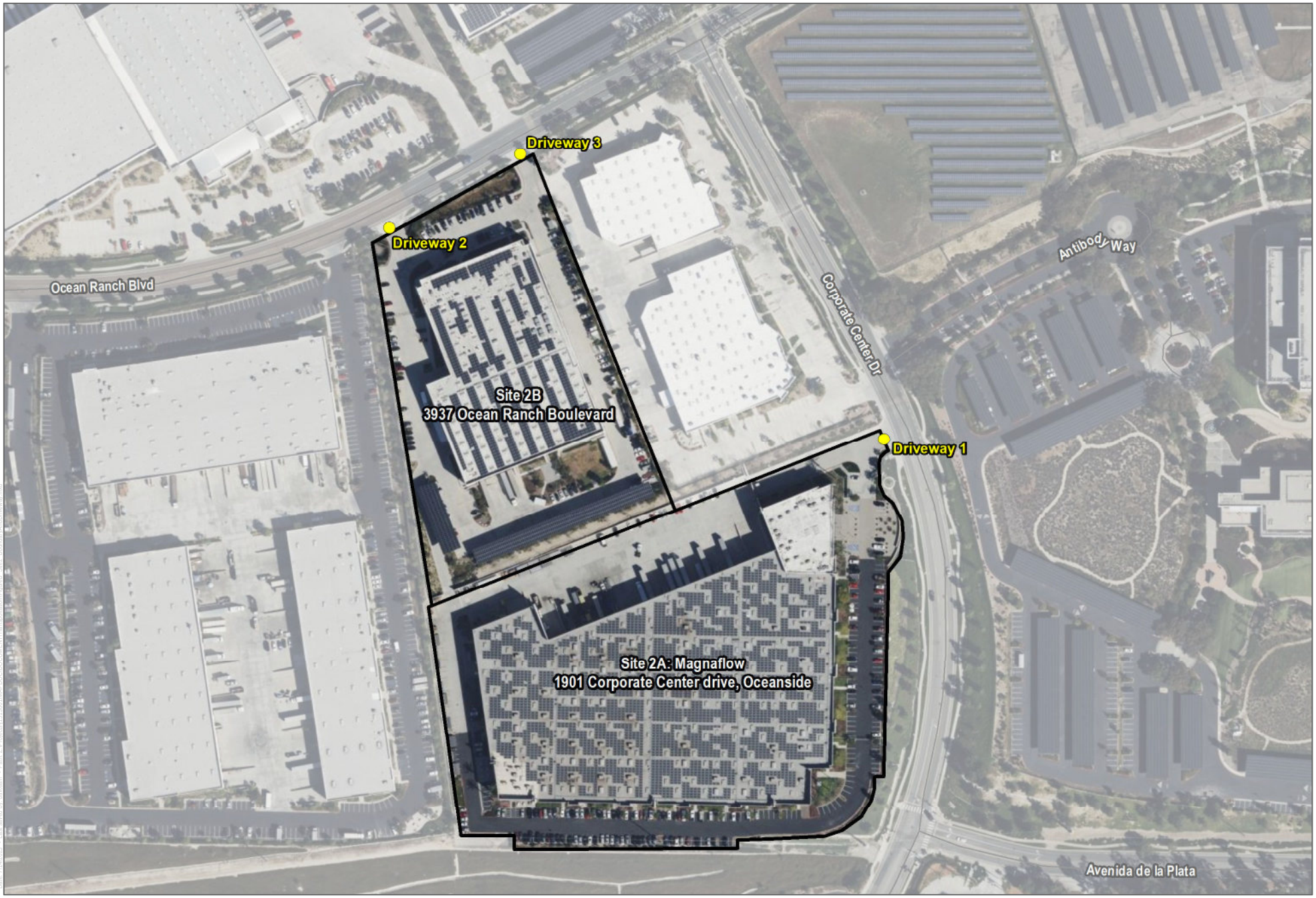
DUDEK

0 80 160 Feet

FIGURE A

Site 1

Palisade Santee Commerce Center Project



SOURCE: Bing Imagery 2021

DUDEK

0 112.5 225 Feet

FIGURE B

Site 2

Palisade Santee Commerce Center Project

SOURCE: Bing Imagery 2021

DUDEK

0 105 210 Feet

FIGURE C

Site 3

Palisade Santee Commerce Center Project

Site Information

Owner	Vision Systems
Address	11322 N. Woodside Ave, Santee, CA 92071
Use	Manufacturing/Warehouse
Size	140,000 SF

Driveway 1 - Woodside Avenue

	AM	AM Peak Hour	In							Out						
		Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Generator	4:15-5:15	Day 1	70	1	0	0	0	0	71	4	0	0	0	0	0	4
Generator	4:15-5:15	Day 2	73	0	0	0	0	0	73	5	0	0	0	0	0	5
		Average	72	1	0	0	0	0	72	5	0	0	0	0	0	5
Adjacent Street	8:45-9:45	Day 1	11	1	1	3	0	0	16	11	0	1	1	0	0	13
Adjacent Street	8:45-9:45	Day 2	5	1	0	2	0	0	8	8	1	1	1	0	0	11
		Average	8	1	1	3	0	0	12	10	1	1	1	0	0	12

AM	In							Out						
Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Generator Peak Hour Trips	72	1	0	0	0	0	72	5	0	0	0	0	0	5
Adj Street Peak Hour Trips	8	1	1	3	0	0	12	10	1	1	1	0	0	12

Generator Peak Hour	AM Peak Hour			PM Peak Hour		
	In	Out	Total	In	Out	Total
Cars	72	5	77	14	64	77
Heavy Vehicles	0	0	0	0	0	0
Combined	72	5	77	14	64	77
	94%	6%		18%	82%	

Daily	Driveway 1						
Class	1	2	3	4	5	6	TOTAL
Day 1	364	37	8	14	0	0	423
Day 2	398	24	6	32	0	0	460
Average	381	31	7	23	0	0	442

Generator	Daily Trips	Trip Rate	AM Trips	Trip Rate	PM Trips	Trip Rate
Cars	412	2.94	77	0.55	77	0.55
Heavy Vehicles	30	0.21	0	0.00	0	0.00
Combined	442	3.15	77	0.55	77	0.55

Adj Street	Daily Trips	Trip Rate	AM Trips	Trip Rate	PM Trips	Trip Rate
Cars	412	2.94	19	0.14	11	0.08
Heavy Vehicles	30	0.21	5	0.04	0	0.00
Combined	442	3.15	24	0.17	11	0.08

	AM Peak Hour			PM Peak Hour			Peak Hour Generator		
Daily Trips/TSF	In	Out	Total	In	Out	Total	In	Out	Total
3.15	0.09	0.09	0.18	0.00	0.08	0.08	0.10	0.45	0.55

Driveway 1 - Woodside Avenue

	PM	PM Peak Hour	In							Out						
		Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Generator	14:45 - 15:45	Day 1	14	1	0	0	0	0	15	56	1	0	0	0	0	57
Generator	15:00 - 16:00	Day 2	12	0	0	0	0	0	12	69	1	0	0	0	0	70
		Average	13	1	0	0	0	0	14	63	1	0	0	0	0	64
Adjacent Street	16:00-17:00	Day 1	0	0	0	0	0	0	0	10	0	0	0	0	0	10
Adjacent Street	16:00-17:00	Day 2	0	0	0	0	0	0	0	12	0	0	0	0	0	12
		Average	0	0	0	0	0	0	0	11	0	0	0	0	0	11

PM	In							Out						
Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Generator Peak Hour Trips	13	1	0	0	0	0	14	63	1	0	0	0	0	64
Adj Street Peak Hour Trips	0	0	0	0	0	0	0	11	0	0	0	0	0	11

Adj Street Peak Hour	AM Peak Hour			PM Peak Hour		
	In	Out	Total	In	Out	Total
Cars	9	10	19	0	11	11
Heavy Vehicles	3	2	5	0	0	0
Combined	12	12	24	0	11	11
	50%	50%		0%	100%	

Site Information

Owner	MagnaFlow
Address	1901 Corporate Center Drive, Oceanside, CA
Use	R&D/Manufacturing/Warehouse
Size	330,000 SF
2A	240,000
2B	90,000
2B	3937 Ocean Ranch Boulevard

Driveway 1 (w/o Corporate Dr.)

AM Peak Hour	In							Out						
Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Day 1	73	2	0	0	0	0	75	1	0	0	0	0	0	1
Day 2	75	0	0	0	0	0	75	75	0	0	0	0	0	75
Average	74	1	0	0	0	0	75	38	0	0	0	0	0	38
Day 1	37	0	0	0	0	0	37	6	0	0	0	0	0	6
Day 2	36	1	0	1	0	0	38	36	1	0	1	0	0	38
Average	37	1	0	1	0	0	38	21	1	0	1	0	0	22

AM — Generator 4:45-5:45 / Generator 4:45-5:45 / Adjacent Street 7:15-8:15 / Adjacent Street 7:30-8:30

Driveway 2 (Western Ocean Ranch Blvd)

AM Peak Hour	In							Out						
Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Day 1	5	0	0	0	0	0	5	6	0	1	0	0	0	7
Day 2	4	2	0	0	0	0	6	6	1	0	2	0	0	9
Average	5	1	0	0	0	0	6	6	1	1	1	0	0	8
Day 1	4	0	0	0	0	0	4	0	2	0	0	0	0	2
Day 2	4	0	0	0	0	0	4	1	2	0	1	0	0	4
Average	4	0	0	0	0	0	4	1	2	0	1	0	0	3

AM — Generator 10:00-11:00 / Generator 10:15-11:15 / Adjacent Street 7:15-8:15 / Adjacent Street 8:30-9:30

Driveway 3 (Eastern Ocean Ranch Blvd)

AM Peak Hour	In							Out						
Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Day 1	25	1	0	0	0	0	26	0	0	0	0	0	0	0
Day 2	25	0	0	0	0	0	25	0	0	0	0	0	0	0
Average	25	1	0	0	0	0	26	0	0	0	0	0	0	0
Day 1	4	2	0	1	0	0	7	0	0	0	0	0	0	0
Day 2	5	1	0	1	0	0	7	3	0	0	0	0	0	3
Average	5	2	0	1	0	0	7	2	0	0	0	0	0	2

AM — Generator 5:00-6:00 / Generator 5:00-6:00 / Adjacent Street 7:30-8:30 / Adjacent Street 8:45-9:45

Total (D1+D2+D3)

AM	In							Out						
Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Generator Peak Hour Trips	104	3	0	0	0	0	106	44	1	1	1	0	0	46
Adj Street Peak Hour Trips	45	2	0	2	0	0	49	23	3	0	1	0	0	27

Driveway 1 (w/o Corporate Dr.)

PM Peak Hour	In							Out						
Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Day 1	16	3	1	2	0	0	22	78	2	1	1	0	0	82
Day 2	20	5	0	2	0	0	27	20	5	0	2	0	0	27
Average	18	4	1	2	0	0	25	49	4	1	2	0	0	55
Day 1	0	1	0	0	0	0	1	32	2	0	1	0	0	35
Day 2	4	1	0	1	0	0	6	4	1	0	1	0	0	6
Average	2	1	0	1	0	0	4	18	2	0	1	0	0	21

PM — Generator 14:00-15:00 / Generator 12:00-13:00 / Adjacent Street 16:00 - 17:00 / Adjacent Street 16:45 - 17:45

Driveway 2 (Western Ocean Ranch Blvd)

PM Peak Hour	In							Out						
Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Day 1	0	0	0	0	0	0	0	26	0	0	0	0	0	26
Day 2	3	0	0	0	0	0	3	27	0	0	2	0	0	29
Average	2	0	0	0	0	0	2	27	0	0	1	0	0	28
Day 1	1	0	0	0	0	0	1	1	0	0	0	0	0	1
Day 2	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Average	1	0	0	0	0	0	1	3	0	0	0	0	0	3

PM — Generator 14:00-15:00 / Generator 13:45-14:45 / Adjacent Street 16:00 - 17:00 / Adjacent Street 16:00 - 17:00

Driveway 3 (Eastern Ocean Ranch Blvd)

PM Peak Hour	In							Out						
Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Day 1	9	0	1	1	0	0	11	7	0	0	0	0	0	7
Day 2	9	1	0	2	0	0	12	5	0	0	1	0	0	6
Average	9	1	1	2	0	0	12	6	0	0	1	0	0	7
Day 1	0	0	0	0	0	0	0	3	0	0	0	0	0	3
Day 2	1	0	0	0	0	0	1	2	0	0	0	0	0	2
Average	1	0	0	0	0	0	1	3	0	0	0	0	0	3

PM — Generator 13:30-14:30 / Generator 13:15-14:15 / Adjacent Street 16:00 - 17:00 / Adjacent Street 16:30 - 17:30

Total (D1+D2+D3)

PM	In							Out						
Class	1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Generator Peak Hour Trips	29	5	1	4	0	0	38	82	4	1	3	0	0	89
Adj Street Peak Hour Trips	3	1	0	1	0	0	5	23	2	0	1	0	0	26

Generator Peak Hour	AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total
Cars	106	45	151	33	85	118
Heavy Vehicles	0	2	2	5	4	8
Combined	106	46	152	38	89	126
	70%	30%		30%	70%	

Adj Street Peak Hour	AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total
Cars	47	26	73	4	25	29
Heavy Vehicles	2	1	3	1	1	2
Combined	49	27	75	5	26	30
	65%	35%		15%	85%	

Daily	Driveway 1 (w/o Corporate Drive)						
Class	1	2	3	4	5	6	TOTAL
Day 1	517	30	3	22	0	4	576
Day 2	518	40	2	30	0	0	590
Average	518	35	3	26	0	2	583

Daily	Driveway 2 (Western Ocean Ranch Blvd)						
Class	1	2	3	4	5	6	TOTAL
Day 1	93	9	1	6	0	0	109
Day 2	114	8	0	9	0	0	131
Average	104	9	1	8	0	0	120

Daily	Driveway 3 (Eastern Ocean Ranch Boulevard)						
Class	1	2	3	4	5	6	TOTAL
Day 1	74	8	5	9	0	0	96
Day 2	90	3	2	8	0	0	103
Average	82	6	4	9	0	0	100

Daily	D1+D2+D3						
Class	1	2	3	4	5	6	TOTAL
Day 1	684	47	9	37	0	4	781
Day 2	722	51	4	47	0	0	824
Average	703	49	7	42	0	2	803

Generator	Daily Trips	Trip Rate	AM Trips	Trip Rate	PM Trips	Trip Rate
Cars	752	2.28	151	0.46	118	0.36
Heavy Vehicles	51	0.15	2	0.00	8	0.02
Combined	803	2.43	152	0.46	126	0.38

Adj Street	Daily Trips	Trip Rate	AM Trips	Trip Rate	PM Trips	Trip Rate
Cars	752	2.28	73	0.22	29	0.09
Heavy Vehicles	51	0.15	3	0.01	2	0.00
Combined	803	2.43	75	0.23	30	0.09

	AM Peak Hour			PM Peak Hour			Peak Hour Generator		
Daily Trips/TSF	In	Out	Total	In	Out	Total	In	Out	Total
2.43	0.15	0.08	0.23	0.01	0.08	0.09	0.32	0.14	0.46

Site Information

Owner	Vertiv Distribution Warehouse
Address	2005 Harmony Grove Rd, Escondido, CA 92029
Use	Warehousing Use
Size	212,275 SF

Driveway 1 (e/o Harmony Drive)

AM Peak Hour		In							Out						
Class		1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Generator 8:45-9:45	Day 1	2	0	0	1	0	0	3	1	0	0	0	0	0	1
Generator 7:00-8:00	Day 2	4	0	0	0	0	0	4	1	0	0	0	0	0	1
	Average	3	0	0	1	0	0	4	1	0	0	0	0	0	1
Adjacent Street 8:45-9:45	Day 1	2	0	0	1	0	0	3	1	0	0	0	0	0	1
Adjacent Street 7:00-8:00	Day 2	4	0	0	0	0	0	4	1	0	0	0	0	0	1
	Average	3	0	0	1	0	0	4	1	0	0	0	0	0	1

Driveway 2 (s/o Harmony Drive)

AM Peak Hour		In							Out						
Class		1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Generator 9:15-10:15	Day 1	1	0	0	1	0	0	2	2	1	0	2	0	0	5
Generator 9:45-10:45	Day 2	0	1	0	2	0	0	3	3	0	0	2	0	0	5
	Average	1	1	0	2	0	0	3	3	1	0	2	0	0	5
Adjacent Street 8:30-9:30	Day 1	0	0	0	2	0	0	2	0	0	0	3	0	0	3
Adjacent Street 8:30-9:30	Day 2	1	0	0	1	0	0	2	1	0	0	0	0	0	1
	Average	1	0	0	2	0	0	2	1	0	0	2	0	0	2

Total (D1+D2)

AM		In							Out						
Class		1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Generator Peak Hour Trips		4	1	0	2	0	0	6	4	1	0	2	0	0	6
Adj Street Peak Hour Trips		4	0	0	2	0	0	6	2	0	0	2	0	0	3

Generator Peak Hour	AM Peak Hour			PM Peak Hour		
	In	Out	Total	In	Out	Total
Cars	4	4	8	7	7	14
Heavy Vehicles	2	2	4	0	1	1
Combined	6	6	12	7	8	15
	50%	50%		45%	55%	

Daily	Driveway 1 (e/o Harmony Drive)						
Class	1	2	3	4	5	6	TOTAL
Day 1	26	2	0	2	0	0	30
Day 2	53	2	0	0	0	0	55
Average	40	2	0	1	0	0	43

Daily	Driveway 2 (s/o Harmony Drive)						
Class	1	2	3	4	5	6	TOTAL
Day 1	17	5	2	20	0	0	44
Day 2	24	3	0	19	0	0	46
Average	21	4	1	20	0	0	45

Daily	Total (D1+D2)						
Class	1	2	3	4	5	6	TOTAL
Day 1	43	7	2	22	0	0	74
Day 2	77	5	0	19	0	0	101
Average	60	6	1	21	0	0	88

Generator	Daily Trips	Trip Rate	AM Trips	Trip Rate	PM Trips	Trip Rate
Cars	66	0.31	8	0.04	14	0.06
Heavy Vehicles	22	0.10	4	0.02	1	0.00
Combined	88	0.41	12	0.06	15	0.07

Adj Street	Daily Trips	Trip Rate	AM Trips	Trip Rate	PM Trips	Trip Rate
Cars	66	0.31	5	0.02	5	0.02
Heavy Vehicles	22	0.10	4	0.02	0	0.00
Combined	88	0.41	9	0.04	5	0.02

	AM Peak Hour			PM Peak Hour			Peak Hour Generator		
Daily Trips/TSF	In	Out	Total	In	Out	Total	In	Out	Total
0.41	0.03	0.01	0.04	0.01	0.01	0.02	0.03	0.04	0.07

Driveway 1 (e/o Harmony Drive)

PM Peak Hour		In							Out						
Class		1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
PM Generator 12:00-13:00	Day 1	1	0	0	0	0	0	1	3	1	0	0	0	0	4
Generator 12:30-13:30	Day 2	3	1	0	0	0	0	4	3	1	0	0	0	0	4
	Average	2	1	0	0	0	0	3	3	1	0	0	0	0	4
Adjacent Street 16:45 - 17:45	Day 1	1	0	0	0	0	0	1	2	0	0	0	0	0	2
Adjacent Street 16:00-17:00	Day 2	3	0	0	0	0	0	3	2	0	0	0	0	0	2
	Average	2	0	0	0	0	0	2	2	0	0	0	0	0	2

Driveway 2 (s/o Harmony Drive)

PM Peak Hour		In							Out						
Class		1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
PM Generator 12:00-13:00	Day 1	4	1	0	0	0	0	5	3	1	0	1	0	0	5
Generator 12:15-13:15	Day 2	3	0	0	0	0	0	3	2	0	0	1	0	0	3
	Average	4	1	0	0	0	0	4	3	1	0	1	0	0	4
Adjacent Street 16:45 - 17:45	Day 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adjacent Street 16:00-17:00	Day 2	1	0	0	0	0	0	1	1	0	0	0	0	0	1
	Average	1	0	0	0	0	0	1	1	0	0	0	0	0	1

Total (D1+D2)

PM		In							Out						
Class		1	2	3	4	5	6	TOTAL	1	2	3	4	5	6	TOTAL
Generator Peak Hour Trips		6	1	0	0	0	0	7	6	2	0	1	0	0	8
Adj Street Peak Hour Trips		3	0	0	0	0	0	3	3	0	0	0	0	0	3

Adj Street Peak Hour	AM Peak Hour			PM Peak Hour		
	In	Out	Total	In	Out	Total
Cars	4	2	5	3	3	5
Heavy Vehicles	2	2	4	0	0	0
Combined	6	3	9	3	3	5
	65%	35%		50%	50%	

Site 1 **Vision Systems11322 N. Woodside Ave, Santee, CA 92071**
Use Manufacturing/Warehouse
Size 140,000 SF

	AM Peak Hour (Adj Street)			PM Peak Hour (Adj Street)			Peak Hour of the Generator		
Daily Trips/TSF	**In**	**Out**	**Total**	**In**	**Out**	**Total**	**In**	**Out**	**Total**
3.15	0.09	0.09	0.18	0.00	0.08	0.08	0.10	0.45	0.55

Site 2 **MagnaFlow1901 Corporate Center Drive, Oceanside, CA 92056**
Use R&D/Manufacturing/Warehouse
Size 330,000 SF

	AM Peak Hour (Adj Street)			PM Peak Hour (Adj Street)			Peak Hour of the Generator		
Daily Trips/TSF	**In**	**Out**	**Total**	**In**	**Out**	**Total**	**In**	**Out**	**Total**
2.43	0.15	0.08	0.23	0.01	0.08	0.09	0.32	0.14	0.46

Site 3 **Vertiv Distribution Warehouse2005 Harmony Grove Rd, Escondido, CA 92029**
Use Warehousing Use
Size 212,275 SF

	AM Peak Hour (Adj Street)			PM Peak Hour (Adj Street)			Peak Hour of the Generator		
Daily Trips/TSF	**In**	**Out**	**Total**	**In**	**Out**	**Total**	**In**	**Out**	**Total**
0.41	0.03	0.01	0.04	0.01	0.01	0.02	0.03	0.04	0.07

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS1 DWY north of Woodside.TU.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	2	0	1	0	0	0	3
0:15	0	0	0	0	0	0	0	12:15	0	0	0	0	0	0	0
0:30	0	0	0	0	0	0	0	12:30	2	1	0	0	0	0	3
0:45	1	0	0	0	0	0	1	12:45	1	1	0	1	0	0	3
1:00	0	0	0	0	0	0	0	13:00	1	2	0	0	0	0	3
1:15	0	0	0	0	0	0	0	13:15	1	1	0	0	0	0	2
1:30	1	0	0	0	0	0	1	13:30	2	0	0	0	0	0	2
1:45	0	0	0	0	0	0	0	13:45	0	0	0	0	0	0	0
2:00	1	0	0	0	0	0	1	14:00	2	0	0	0	0	0	2
2:15	0	0	0	0	0	0	0	14:15	1	1	0	0	0	0	2
2:30	1	0	0	0	0	0	1	14:30	3	0	0	0	0	0	3
2:45	0	0	0	0	0	0	0	14:45	4	1	0	0	0	0	5
3:00	1	0	0	0	0	0	1	15:00	2	0	0	0	0	0	2
3:15	1	0	0	0	0	0	1	15:15	6	0	0	0	0	0	6
3:30	0	0	0	0	0	0	0	15:30	2	0	0	0	0	0	2
3:45	3	0	0	0	0	0	3	15:45	0	0	0	0	0	0	0
4:00	4	0	0	0	0	0	4	16:00	0	0	0	0	0	0	0
4:15	6	0	0	0	0	0	6	16:15	0	0	0	0	0	0	0
4:30	15	0	0	0	0	0	15	16:30	0	0	0	0	0	0	0
4:45	41	1	0	0	0	0	42	16:45	0	0	0	0	0	0	0
5:00	8	0	0	0	0	0	8	17:00	0	0	0	0	0	0	0
5:15	1	1	0	0	0	0	2	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	3	0	0	1	0	0	4	17:45	0	0	0	0	0	0	0
6:00	1	0	0	0	0	0	1	18:00	0	0	0	0	0	0	0
6:15	3	1	0	0	0	0	4	18:15	0	0	0	0	0	0	0
6:30	4	0	0	0	0	0	4	18:30	0	0	0	0	0	0	0
6:45	3	1	0	0	0	0	4	18:45	0	0	0	0	0	0	0
7:00	1	0	0	0	0	0	1	19:00	0	0	0	0	0	0	0
7:15	5	1	0	0	0	0	6	19:15	0	0	0	0	0	0	0
7:30	2	1	0	0	0	0	3	19:30	1	0	0	0	0	0	1
7:45	2	1	0	1	0	0	4	19:45	1	0	0	0	0	0	1
8:00	4	0	1	0	0	0	5	20:00	0	0	0	0	0	0	0
8:15	1	0	0	0	0	0	1	20:15	1	0	0	0	0	0	1
8:30	1	0	0	0	0	0	1	20:30	2	0	0	0	0	0	2
8:45	0	0	0	0	0	0	0	20:45	0	0	0	0	0	0	0
9:00	2	0	1	0	0	0	3	21:00	0	0	0	0	0	0	0
9:15	5	0	0	2	0	0	7	21:15	0	0	0	0	0	0	0
9:30	4	1	0	1	0	0	6	21:30	0	0	0	0	0	0	0
9:45	8	1	0	0	0	0	9	21:45	1	0	0	0	0	0	1
10:00	1	0	0	1	0	0	2	22:00	1	0	0	0	0	0	1
10:15	3	0	1	0	0	0	4	22:15	0	0	0	0	0	0	0
10:30	0	1	0	0	0	0	1	22:30	0	0	0	0	0	0	0
10:45	1	0	0	0	0	0	1	22:45	0	0	0	0	0	0	0
11:00	4	0	0	0	0	0	4	23:00	0	0	0	0	0	0	0
11:15	0	1	0	0	0	0	1	23:15	0	0	0	0	0	0	0
11:30	3	0	0	0	0	0	3	23:30	0	0	0	0	0	0	0
11:45	4	0	0	0	0	0	4	23:45	0	0	0	0	0	0	0
TOTAL	149	11	3	6	0	0	169	TOTAL	36	7	1	1	0	0	45

AM PEAK HOUR	4:15 AM
AM PEAK VOLUME	71

AM PEAK HOUR	2:30 PM
AM PEAK VOLUME	16

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	185	18	4	7	0	0	214
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	86.4%	8.4%	1.9%	3.3%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	364	37	8	14	0	0	423
CLASS 6	Buses	% OF TOTAL	86.1%	8.7%	1.9%	3.3%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS1 DWY north of Woodside.TU.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	1	0	0	0	0	0	1	12:00	1	0	1	0	0	0	2
0:15	0	0	0	0	0	0	0	12:15	1	0	0	0	0	0	1
0:30	0	0	0	0	0	0	0	12:30	1	0	0	0	0	0	1
0:45	0	0	0	0	0	0	0	12:45	0	2	0	0	0	0	2
1:00	0	0	0	0	0	0	0	13:00	0	0	0	1	0	0	1
1:15	0	0	0	0	0	0	0	13:15	4	3	0	0	0	0	7
1:30	0	0	0	0	0	0	0	13:30	18	0	0	0	0	0	18
1:45	3	0	0	0	0	0	3	13:45	5	1	0	0	0	0	6
2:00	9	0	0	0	0	0	9	14:00	0	0	0	1	0	0	1
2:15	0	0	0	0	0	0	0	14:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	14:30	7	0	0	0	0	0	7
2:45	0	0	0	0	0	0	0	14:45	4	0	0	0	0	0	4
3:00	0	0	0	0	0	0	0	15:00	2	0	0	0	0	0	2
3:15	0	0	0	0	0	0	0	15:15	11	0	0	0	0	0	11
3:30	0	0	0	0	0	0	0	15:30	39	1	0	0	0	0	40
3:45	0	0	0	0	0	0	0	15:45	5	0	0	0	0	0	5
4:00	0	0	0	0	0	0	0	16:00	5	0	0	0	0	0	5
4:15	0	0	0	0	0	0	0	16:15	4	0	0	0	0	0	4
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	4	0	0	0	0	0	4	16:45	1	0	0	0	0	0	1
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	1	0	0	0	0	1	17:15	3	0	0	0	0	0	3
5:30	1	1	0	0	0	0	2	17:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	1	0	0	0	0	0	1	18:15	0	0	0	0	0	0	0
6:30	1	0	0	1	0	0	2	18:30	0	0	0	0	0	0	0
6:45	1	1	0	0	0	0	2	18:45	0	0	0	0	0	0	0
7:00	0	2	0	0	0	0	2	19:00	0	0	0	0	0	0	0
7:15	0	1	0	0	0	0	1	19:15	1	0	0	0	0	0	1
7:30	2	0	0	0	0	0	2	19:30	1	0	0	0	0	0	1
7:45	1	1	0	0	0	0	2	19:45	3	0	0	0	0	0	3
8:00	1	1	0	0	0	0	2	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	1	0	1	0	0	0	2	20:30	0	0	0	0	0	0	0
8:45	0	0	0	0	0	0	0	20:45	0	0	0	0	0	0	0
9:00	1	0	0	1	0	0	2	21:00	0	0	0	0	0	0	0
9:15	5	0	1	0	0	0	6	21:15	0	0	0	0	0	0	0
9:30	5	0	0	0	0	0	5	21:30	0	0	0	0	0	0	0
9:45	3	0	0	0	0	0	3	21:45	0	0	0	0	0	0	0
10:00	3	1	0	0	0	0	4	22:00	0	0	0	0	0	0	0
10:15	2	0	1	1	0	0	4	22:15	1	0	0	0	0	0	1
10:30	1	1	0	1	0	0	3	22:30	0	0	0	0	0	0	0
10:45	1	0	0	0	0	0	1	22:45	0	0	0	0	0	0	0
11:00	3	1	0	0	0	0	4	23:00	0	0	0	0	0	0	0
11:15	3	0	0	0	0	0	3	23:15	0	0	0	0	0	0	0
11:30	6	1	0	1	0	0	8	23:30	0	0	0	0	0	0	0
11:45	2	0	0	0	0	0	2	23:45	1	0	0	0	0	0	1
TOTAL	61	12	3	5	0	0	81	TOTAL	118	7	1	2	0	0	128

AM PEAK HOUR	9:15 AM
AM PEAK VOLUME	18

AM PEAK HOUR	3:15 PM
AM PEAK VOLUME	61

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	179	19	4	7	0	0	209
% OF TOTAL	85.6%	9.1%	1.9%	3.3%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS1 DWY north of Woodside.TU.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	1	0	0	0	0	0	1	12:00	3	0	2	0	0	0	5
0:15	0	0	0	0	0	0	0	12:15	1	0	0	0	0	0	1
0:30	0	0	0	0	0	0	0	12:30	3	1	0	0	0	0	4
0:45	1	0	0	0	0	0	1	12:45	1	3	0	1	0	0	5
1:00	0	0	0	0	0	0	0	13:00	1	2	0	1	0	0	4
1:15	0	0	0	0	0	0	0	13:15	5	4	0	0	0	0	9
1:30	1	0	0	0	0	0	1	13:30	20	0	0	0	0	0	20
1:45	3	0	0	0	0	0	3	13:45	5	1	0	0	0	0	6
2:00	10	0	0	0	0	0	10	14:00	2	0	0	1	0	0	3
2:15	0	0	0	0	0	0	0	14:15	1	1	0	0	0	0	2
2:30	1	0	0	0	0	0	1	14:30	10	0	0	0	0	0	10
2:45	0	0	0	0	0	0	0	14:45	8	1	0	0	0	0	9
3:00	1	0	0	0	0	0	1	15:00	4	0	0	0	0	0	4
3:15	1	0	0	0	0	0	1	15:15	17	0	0	0	0	0	17
3:30	0	0	0	0	0	0	0	15:30	41	1	0	0	0	0	42
3:45	3	0	0	0	0	0	3	15:45	5	0	0	0	0	0	5
4:00	4	0	0	0	0	0	4	16:00	5	0	0	0	0	0	5
4:15	6	0	0	0	0	0	6	16:15	4	0	0	0	0	0	4
4:30	15	0	0	0	0	0	15	16:30	0	0	0	0	0	0	0
4:45	45	1	0	0	0	0	46	16:45	1	0	0	0	0	0	1
5:00	8	0	0	0	0	0	8	17:00	0	0	0	0	0	0	0
5:15	1	2	0	0	0	0	3	17:15	3	0	0	0	0	0	3
5:30	1	1	0	0	0	0	2	17:30	0	0	0	0	0	0	0
5:45	3	0	0	1	0	0	4	17:45	0	0	0	0	0	0	0
6:00	1	0	0	0	0	0	1	18:00	0	0	0	0	0	0	0
6:15	4	1	0	0	0	0	5	18:15	0	0	0	0	0	0	0
6:30	5	0	0	1	0	0	6	18:30	0	0	0	0	0	0	0
6:45	4	2	0	0	0	0	6	18:45	0	0	0	0	0	0	0
7:00	1	2	0	0	0	0	3	19:00	0	0	0	0	0	0	0
7:15	5	2	0	0	0	0	7	19:15	1	0	0	0	0	0	1
7:30	4	1	0	0	0	0	5	19:30	2	0	0	0	0	0	2
7:45	3	2	0	1	0	0	6	19:45	4	0	0	0	0	0	4
8:00	5	1	1	0	0	0	7	20:00	0	0	0	0	0	0	0
8:15	1	0	0	0	0	0	1	20:15	1	0	0	0	0	0	1
8:30	2	0	1	0	0	0	3	20:30	2	0	0	0	0	0	2
8:45	0	0	0	0	0	0	0	20:45	0	0	0	0	0	0	0
9:00	3	0	1	1	0	0	5	21:00	0	0	0	0	0	0	0
9:15	10	0	1	2	0	0	13	21:15	0	0	0	0	0	0	0
9:30	9	1	0	1	0	0	11	21:30	0	0	0	0	0	0	0
9:45	11	1	0	0	0	0	12	21:45	1	0	0	0	0	0	1
10:00	4	1	0	1	0	0	6	22:00	1	0	0	0	0	0	1
10:15	5	0	2	1	0	0	8	22:15	1	0	0	0	0	0	1
10:30	1	2	0	1	0	0	4	22:30	0	0	0	0	0	0	0
10:45	2	0	0	0	0	0	2	22:45	0	0	0	0	0	0	0
11:00	7	1	0	0	0	0	8	23:00	0	0	0	0	0	0	0
11:15	3	1	0	0	0	0	4	23:15	0	0	0	0	0	0	0
11:30	9	1	0	1	0	0	11	23:30	0	0	0	0	0	0	0
11:45	6	0	0	0	0	0	6	23:45	1	0	0	0	0	0	1
TOTAL	210	23	6	11	0	0	250	TOTAL	154	14	2	3	0	0	173

AM PEAK HOUR	4:15 AM
AM PEAK VOLUME	75

AM PEAK HOUR	2:45 PM
AM PEAK VOLUME	72

TOTAL: AM+PM	364	37	8	14	0	0	423
% OF TOTAL	86.1%	8.7%	1.9%	3.3%	0.0%	0.0%	100.0%

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS1 DWY north of Woodside.WE.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	1	0	0	1	0	0	2
0:15	0	0	0	0	0	0	0	12:15	2	0	0	0	0	0	2
0:30	0	0	0	0	0	0	0	12:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	12:45	0	0	0	2	0	0	2
1:00	1	0	0	0	0	0	1	13:00	3	0	1	0	0	0	4
1:15	0	0	0	0	0	0	0	13:15	2	1	0	1	0	0	4
1:30	1	0	0	0	0	0	1	13:30	2	0	0	0	0	0	2
1:45	1	0	0	1	0	0	2	13:45	0	0	1	0	0	0	1
2:00	0	0	0	0	0	0	0	14:00	2	1	0	0	0	0	3
2:15	0	0	0	0	0	0	0	14:15	2	0	0	0	0	0	2
2:30	0	0	0	0	0	0	0	14:30	3	0	0	0	0	0	3
2:45	2	0	0	0	0	0	2	14:45	5	1	0	0	0	0	6
3:00	2	0	0	0	0	0	2	15:00	5	0	0	0	0	0	5
3:15	0	0	0	0	0	0	0	15:15	7	0	0	0	0	0	7
3:30	1	0	0	0	0	0	1	15:30	0	0	0	0	0	0	0
3:45	4	0	0	0	0	0	4	15:45	0	0	0	0	0	0	0
4:00	4	0	0	0	0	0	4	16:00	0	0	0	0	0	0	0
4:15	8	0	0	0	0	0	8	16:15	0	0	0	0	0	0	0
4:30	13	0	0	0	0	0	13	16:30	0	0	0	0	0	0	0
4:45	41	0	0	0	0	0	41	16:45	0	0	0	0	0	0	0
5:00	11	0	0	0	0	0	11	17:00	1	0	0	0	0	0	1
5:15	1	0	0	0	0	0	1	17:15	1	0	0	0	0	0	1
5:30	6	0	0	0	0	0	6	17:30	2	0	0	0	0	0	2
5:45	4	0	0	0	0	0	4	17:45	0	0	0	0	0	0	0
6:00	0	1	0	0	0	0	1	18:00	0	0	0	0	0	0	0
6:15	3	1	0	1	0	0	5	18:15	0	0	0	0	0	0	0
6:30	4	0	0	0	0	0	4	18:30	0	0	0	0	0	0	0
6:45	3	2	0	0	0	0	5	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	4	0	0	0	0	0	4	19:15	2	0	0	0	0	0	2
7:30	2	0	0	0	0	0	2	19:30	1	0	0	0	0	0	1
7:45	3	0	0	2	0	0	5	19:45	1	0	0	0	0	0	1
8:00	1	0	0	1	0	0	2	20:00	0	0	0	0	0	0	0
8:15	1	0	0	0	0	0	1	20:15	0	0	0	0	0	0	0
8:30	2	0	1	0	0	0	3	20:30	1	0	0	0	0	0	1
8:45	1	0	0	1	0	0	2	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	3	1	0	1	0	0	5	21:15	0	0	0	0	0	0	0
9:30	1	0	0	0	0	0	1	21:30	0	0	0	0	0	0	0
9:45	6	0	0	0	0	0	6	21:45	0	0	0	0	0	0	0
10:00	4	1	0	0	0	0	5	22:00	1	0	0	0	0	0	1
10:15	1	0	0	0	0	0	1	22:15	0	0	0	0	0	0	0
10:30	1	0	0	0	0	0	1	22:30	0	0	0	0	0	0	0
10:45	3	1	0	1	0	0	5	22:45	0	0	0	0	0	0	0
11:00	0	0	0	1	0	0	1	23:00	0	0	0	0	0	0	0
11:15	1	1	0	0	0	0	2	23:15	0	0	0	0	0	0	0
11:30	4	0	0	3	0	0	7	23:30	0	0	0	0	0	0	0
11:45	8	0	0	0	0	0	8	23:45	0	0	0	0	0	0	0
TOTAL	156	8	1	12	0	0	177	TOTAL	44	3	2	4	0	0	53

AM PEAK HOUR	4:15 AM
AM PEAK VOLUME	73

AM PEAK HOUR	2:30 PM
AM PEAK VOLUME	21

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	200	11	3	16	0	0	230
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	87.0%	4.8%	1.3%	7.0%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	398	24	6	32	0	0	460
CLASS 6	Buses	% OF TOTAL	86.5%	5.2%	1.3%	7.0%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS1 DWY north of Woodside.WE.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	1	0	0	0	0	0	1	12:00	0	0	0	0	0	0	0
0:15	0	0	0	0	0	0	0	12:15	2	1	0	2	0	0	5
0:30	0	0	0	0	0	0	0	12:30	1	0	0	0	0	0	1
0:45	0	0	0	0	0	0	0	12:45	2	0	0	0	0	0	2
1:00	0	0	0	0	0	0	0	13:00	1	0	0	1	0	0	2
1:15	0	0	0	0	0	0	0	13:15	3	0	1	0	0	0	4
1:30	0	0	0	0	0	0	0	13:30	25	1	0	1	0	0	27
1:45	6	0	0	0	0	0	6	13:45	5	0	0	1	0	0	6
2:00	8	0	0	0	0	0	8	14:00	1	1	1	0	0	0	3
2:15	0	0	0	0	0	0	0	14:15	1	0	0	0	0	0	1
2:30	0	0	0	0	0	0	0	14:30	3	0	0	0	0	0	3
2:45	0	0	0	0	0	0	0	14:45	1	0	0	0	0	0	1
3:00	0	0	0	0	0	0	0	15:00	6	0	0	0	0	0	6
3:15	0	0	0	0	0	0	0	15:15	8	0	0	0	0	0	8
3:30	0	0	0	0	0	0	0	15:30	47	1	0	0	0	0	48
3:45	0	0	0	0	0	0	0	15:45	8	0	0	0	0	0	8
4:00	1	0	0	0	0	0	1	16:00	5	0	0	0	0	0	5
4:15	0	0	0	0	0	0	0	16:15	2	0	0	0	0	0	2
4:30	0	0	0	0	0	0	0	16:30	3	0	0	0	0	0	3
4:45	4	0	0	0	0	0	4	16:45	2	0	0	0	0	0	2
5:00	1	0	0	0	0	0	1	17:00	1	0	0	0	0	0	1
5:15	3	0	0	0	0	0	3	17:15	1	0	0	0	0	0	1
5:30	4	0	0	0	0	0	4	17:30	1	0	0	0	0	0	1
5:45	1	2	0	0	0	0	3	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	1	0	0	0	0	0	1
6:15	1	1	0	0	0	0	2	18:15	1	0	0	0	0	0	1
6:30	0	1	0	1	0	0	2	18:30	0	0	0	0	0	0	0
6:45	2	0	0	1	0	0	3	18:45	1	0	0	0	0	0	1
7:00	0	1	0	0	0	0	1	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	1	0	0	0	0	0	1
7:30	0	1	0	0	0	0	1	19:30	1	0	0	0	0	0	1
7:45	0	0	0	0	0	0	0	19:45	2	0	0	0	0	0	2
8:00	0	0	0	1	0	0	1	20:00	0	0	0	0	0	0	0
8:15	1	0	0	2	0	0	3	20:15	0	0	0	0	0	0	0
8:30	1	0	0	0	0	0	1	20:30	0	0	0	0	0	0	0
8:45	0	0	1	0	0	0	1	20:45	0	0	0	0	0	0	0
9:00	1	0	0	0	0	0	1	21:00	0	0	0	0	0	0	0
9:15	2	1	0	1	0	0	4	21:15	0	0	0	0	0	0	0
9:30	5	0	0	0	0	0	5	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	0	0	0	0
10:00	2	0	0	0	0	0	2	22:00	0	0	0	0	0	0	0
10:15	2	0	0	1	0	0	3	22:15	0	0	0	0	0	0	0
10:30	1	0	0	0	0	0	1	22:30	0	0	0	0	0	0	0
10:45	0	1	0	0	0	0	1	22:45	0	0	0	0	0	0	0
11:00	1	0	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	4	0	0	2	0	0	6	23:15	0	0	0	0	0	0	0
11:30	3	1	0	0	0	0	4	23:30	0	0	0	0	0	0	0
11:45	5	0	0	2	0	0	7	23:45	1	0	0	0	0	0	1
TOTAL	61	9	1	11	0	0	82	TOTAL	137	4	2	5	0	0	148

AM PEAK HOUR	11:00 AM
AM PEAK VOLUME	18

AM PEAK HOUR	3:00 PM
AM PEAK VOLUME	70

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	198	13	3	16	0	0	230
% OF TOTAL	86.1%	5.7%	1.3%	7.0%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS1 DWY north of Woodside.WE.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	1	0	0	0	0	0	1	12:00	1	0	0	1	0	0	2
0:15	0	0	0	0	0	0	0	12:15	4	1	0	2	0	0	7
0:30	0	0	0	0	0	0	0	12:30	1	0	0	0	0	0	1
0:45	0	0	0	0	0	0	0	12:45	2	0	0	2	0	0	4
1:00	1	0	0	0	0	0	1	13:00	4	0	1	1	0	0	6
1:15	0	0	0	0	0	0	0	13:15	5	1	1	1	0	0	8
1:30	1	0	0	0	0	0	1	13:30	27	1	0	1	0	0	29
1:45	7	0	0	1	0	0	8	13:45	5	0	1	1	0	0	7
2:00	8	0	0	0	0	0	8	14:00	3	2	1	0	0	0	6
2:15	0	0	0	0	0	0	0	14:15	3	0	0	0	0	0	3
2:30	0	0	0	0	0	0	0	14:30	6	0	0	0	0	0	6
2:45	2	0	0	0	0	0	2	14:45	6	1	0	0	0	0	7
3:00	2	0	0	0	0	0	2	15:00	11	0	0	0	0	0	11
3:15	0	0	0	0	0	0	0	15:15	15	0	0	0	0	0	15
3:30	1	0	0	0	0	0	1	15:30	47	1	0	0	0	0	48
3:45	4	0	0	0	0	0	4	15:45	8	0	0	0	0	0	8
4:00	5	0	0	0	0	0	5	16:00	5	0	0	0	0	0	5
4:15	8	0	0	0	0	0	8	16:15	2	0	0	0	0	0	2
4:30	13	0	0	0	0	0	13	16:30	3	0	0	0	0	0	3
4:45	45	0	0	0	0	0	45	16:45	2	0	0	0	0	0	2
5:00	12	0	0	0	0	0	12	17:00	2	0	0	0	0	0	2
5:15	4	0	0	0	0	0	4	17:15	2	0	0	0	0	0	2
5:30	10	0	0	0	0	0	10	17:30	3	0	0	0	0	0	3
5:45	5	2	0	0	0	0	7	17:45	0	0	0	0	0	0	0
6:00	0	1	0	0	0	0	1	18:00	1	0	0	0	0	0	1
6:15	4	2	0	1	0	0	7	18:15	1	0	0	0	0	0	1
6:30	4	1	0	1	0	0	6	18:30	0	0	0	0	0	0	0
6:45	5	2	0	1	0	0	8	18:45	1	0	0	0	0	0	1
7:00	0	1	0	0	0	0	1	19:00	0	0	0	0	0	0	0
7:15	4	0	0	0	0	0	4	19:15	3	0	0	0	0	0	3
7:30	2	1	0	0	0	0	3	19:30	2	0	0	0	0	0	2
7:45	3	0	0	2	0	0	5	19:45	3	0	0	0	0	0	3
8:00	1	0	0	2	0	0	3	20:00	0	0	0	0	0	0	0
8:15	2	0	0	2	0	0	4	20:15	0	0	0	0	0	0	0
8:30	3	0	1	0	0	0	4	20:30	1	0	0	0	0	0	1
8:45	1	0	1	1	0	0	3	20:45	0	0	0	0	0	0	0
9:00	1	0	0	0	0	0	1	21:00	0	0	0	0	0	0	0
9:15	5	2	0	2	0	0	9	21:15	0	0	0	0	0	0	0
9:30	6	0	0	0	0	0	6	21:30	0	0	0	0	0	0	0
9:45	7	0	0	0	0	0	7	21:45	0	0	0	0	0	0	0
10:00	6	1	0	0	0	0	7	22:00	1	0	0	0	0	0	1
10:15	3	0	0	1	0	0	4	22:15	0	0	0	0	0	0	0
10:30	2	0	0	0	0	0	2	22:30	0	0	0	0	0	0	0
10:45	3	2	0	1	0	0	6	22:45	0	0	0	0	0	0	0
11:00	1	0	0	1	0	0	2	23:00	0	0	0	0	0	0	0
11:15	5	1	0	2	0	0	8	23:15	0	0	0	0	0	0	0
11:30	7	1	0	3	0	0	11	23:30	0	0	0	0	0	0	0
11:45	13	0	0	2	0	0	15	23:45	1	0	0	0	0	0	1
TOTAL	217	17	2	23	0	0	259	TOTAL	181	7	4	9	0	0	201

AM PEAK HOUR	4:15 AM
AM PEAK VOLUME	78

AM PEAK HOUR	3:00 PM
AM PEAK VOLUME	82

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	398	24	6	32	0	0	460
% OF TOTAL	86.5%	5.2%	1.3%	7.0%	0.0%	0.0%	100.0%

Tuesday, June 13, 2023 | CITY: San Diego | PROJECT: SC4085

Rev_PB_1 DWY north of Woodside.

Prepared by AimTD LLC tel. 714 253 7888

	PEDS				BIKES						PEDS				BIKES				
AM Period	IN		OUT		IN		OUT			PM Period	IN		OUT		IN		OUT		
0:00	0		0		0		0			12:00	0		0		0		0		
0:15	0		0		0		0			12:15	0		0		0		0		
0:30	0		0		0		0			12:30	0		0		0		0		
0:45	0	0	0	0	0	0	0	0		12:45	0	0	0	0	0	0	0	0	
1:00	0		0		0		0			13:00	0		0		0		0		
1:15	0		0		0		0			13:15	0		0		0		0		
1:30	0		0		0		0			13:30	0		0		0		0		
1:45	0	0	0	0	0	0	1	1	1	13:45	0	0	0	0	0	0	0	0	
2:00	0		0		0		0			14:00	0		0		0		0		
2:15	0		0		0		0			14:15	0		0		0		0		
2:30	0		0		0		0			14:30	0		0		0		0		
2:45	0	0	0	0	0	0	0	0		14:45	0	0	0	0	0	0	0	0	
3:00	0		0		0		0			15:00	0		0		0		0		
3:15	0		0		0		0			15:15	0		0		1		1		
3:30	0		0		0		0			15:30	0		0		0		0		
3:45	0	0	0	0	0	0	0	0		15:45	0	0	0	0	0	1	0	1	2
4:00	0		0		0		0			16:00	0		0		0		0		
4:15	0		0		0		0			16:15	0		0		0		0		
4:30	0		0		1		0			16:30	0		0		0		0		
4:45	0	0	0	0	0	1	0	0	1	16:45	0	0	0	0	0	0	0	0	
5:00	0		0		0		0			17:00	0		0		0		0		
5:15	0		0		0		0			17:15	0		0		0		0		
5:30	0		0		0		0			17:30	0		0		0		0		
5:45	0	0	0	0	0	0	0	0		17:45	0	0	0	0	0	0	0	0	
6:00	0		0		0		0			18:00	0		0		0		0		
6:15	0		0		0		0			18:15	0		0		0		0		
6:30	0		0		0		0			18:30	0		0		0		0		
6:45	0	0	0	0	1	1	1	1	2	18:45	0	0	0	0	0	0	0	0	
7:00	0		0		0		0			19:00	0		0		0		0		
7:15	0		0		0		0			19:15	0		0		0		0		
7:30	0		0		0		0			19:30	0		0		0		0		
7:45	0	0	0	0	0	0	0	0		19:45	0	0	0	0	0	0	1	1	1
8:00	0		0		0		0			20:00	0		0		0		0		
8:15	0		0		0		0			20:15	0		0		0		0		
8:30	0		0		0		0			20:30	0		0		0		0		
8:45	0	0	0	0	0	0	0	0		20:45	0	0	0	0	0	0	0	0	
9:00	0		0		0		0			21:00	0		0		0		0		
9:15	0		0		0		0			21:15	0		0		0		0		
9:30	0		0		0		0			21:30	0		0		0		0		
9:45	0	0	0	0	0	0	0	0		21:45	0	0	0	0	0	0	0	0	
10:00	0		0		0		0			22:00	0		0		0		0		
10:15	0		0		0		0			22:15	0		0		0		0		
10:30	0		2		0		0			22:30	0		0		0		0		
10:45	2	2	0	2	0	0	0	0	4	22:45	0	0	0	0	0	0	0	0	
11:00	0		0		0		0			23:00	0		0		0		0		
11:15	0		0		0		0			23:15	0		0		0		0		
11:30	0		0		0		0			23:30	0		0		0		0		
11:45	0	0	0	0	0	0	0	0		23:45	0	0	0	0	0	0	0	0	
Total Vol.	2		2		2		2		8		0		0		1		2		3

Daily Totals				
IN	OUT	IN	OUT	Combined
2	2	3	4	11

	AM					PM				
Split %	25.0%	25.0%	25.0%	25.0%	72.7%	0.0%	0.0%	33.3%	66.7%	27.3%
Peak Hour	10:00	9:45	3:45	1:00	10:00			14:30	14:30	14:30
Volume	2	2	1	1	4			1	1	2
P.H.F.	0.25	0.25	0.25	0.25	0.50			0.25	0.25	0.25

cs@aimtd.com Tell. 714 253 7888

Wednesday, June 14, 2023 CITY: San Diego PROJECT: SC4085

Rev_PB_1 DWY north of Woodside. **Prepared by AimTD LLC tel. 714 253 7888**

	PEDS				BIKES						PEDS				BIKES				
AM Period	IN		OUT		IN		OUT			PM Period	IN		OUT		IN		OUT		
0:00	0		0		0		0			12:00	0		0		0		0		
0:15	0		0		0		0			12:15	0		0		0		0		
0:30	0		0		0		0			12:30	0		0		0		0		
0:45	0	0	0	0	0	0	0	0		12:45	0	0	0	0	0	0	0	0	
1:00	0		0		0		0			13:00	0		1		0		0		
1:15	0		0		0		0			13:15	0		0		0		0		
1:30	0		0		0		0			13:30	0		0		0		0		
1:45	0	0	0	0	0	0	0	0		13:45	0	0	0	1	0	0	0	0	1
2:00	0		0		0		0			14:00	0		0		0		0		
2:15	0		0		0		0			14:15	0		0		0		0		
2:30	0		0		0		0			14:30	0		0		0		0		
2:45	0	0	0	0	0	0	0	0		14:45	0	0	0	0	0	0	0	0	
3:00	0		0		0		0			15:00	0		0		0		0		
3:15	0		0		0		0			15:15	0		0		0		1		
3:30	0		0		0		0			15:30	0		0		1		0		
3:45	0	0	0	0	0	0	0	0		15:45	0	0	0	0	0	1	0	1	2
4:00	0		0		0		0			16:00	0		0		0		0		
4:15	0		0		0		0			16:15	0		0		0		0		
4:30	0		0		0		0			16:30	0		0		0		0		
4:45	0	0	0	0	1	1	0	0	1	16:45	0	0	0	0	0	0	0	0	
5:00	0		0		0		0			17:00	0		0		0		0		
5:15	0		0		0		0			17:15	0		0		0		0		
5:30	0		0		0		0			17:30	0		0		0		0		
5:45	0	0	0	0	0	0	0	0		17:45	0	0	0	0	0	0	0	0	
6:00	0		0		0		0			18:00	0		0		0		0		
6:15	0		0		0		0			18:15	0		0		0		0		
6:30	0		0		0		0			18:30	0		0		0		0		
6:45	0	0	0	0	0	0	0	0		18:45	0	0	0	0	0	0	0	0	
7:00	0		0		0		0			19:00	0		0		0		0		
7:15	0		0		0		0			19:15	0		0		0		0		
7:30	0		0		0		0			19:30	0		0		0		0		
7:45	0	0	0	0	0	0	0	0		19:45	0	0	0	0	0	0	1	1	1
8:00	1		0		0		0			20:00	0		0		0		0		
8:15	0		0		0		0			20:15	0		0		0		0		
8:30	0		0		0		0			20:30	0		0		0		0		
8:45	0	1	0	0	0	0	0	0	1	20:45	0	0	0	0	0	0	0	0	
9:00	0		0		0		0			21:00	0		0		0		0		
9:15	0		0		0		0			21:15	0		0		0		0		
9:30	0		0		0		0			21:30	0		0		0		0		
9:45	0	0	0	0	0	0	0	0		21:45	0	0	0	0	0	0	0	0	
10:00	0		0		0		0			22:00	0		0		0		0		
10:15	0		0		0		0			22:15	0		0		0		0		
10:30	0		2		0		0			22:30	0		0		0		0		
10:45	2	2	0	2	0	0	0	0	4	22:45	0	0	0	0	0	0	0	0	
11:00	0		0		0		0			23:00	0		0		0		0		
11:15	0		0		0		0			23:15	0		0		0		0		
11:30	0		0	0	0		0			23:30	0		0		0		0		
11:45	0	0	1	1	0	0	0	0	1	23:45	0	0	0	0	0	0	0	0	
Total Vol.		3		3		1		0	7			0		1		1		2	4

Daily Totals				
IN	OUT	IN	OUT	Combined
3	4	2	2	11

	AM					PM				
Split %	42.9%	42.9%	14.3%	0.0%	63.6%	0.0%	25.0%	25.0%	50.0%	36.4%
Peak Hour	10:00	9:45	4:00		10:00		12:15	14:45	14:30	14:45
Volume	2	2	1		4		1	1	1	2
P.H.F.	0.25	0.25	0.25		0.50		0.25	0.25	0.25	0.50

cs@aimtd.com Tell. 714 253 7888

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS21 DWY west of Corporate Center.TU.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	5	1	0	0	0	0	6
0:15	0	0	0	0	0	0	0	12:15	6	1	0	1	0	0	8
0:30	0	0	0	0	0	0	0	12:30	4	0	0	0	0	0	4
0:45	0	0	0	0	0	0	0	12:45	7	1	0	0	0	0	8
1:00	0	0	0	0	0	0	0	13:00	3	0	0	0	0	0	3
1:15	0	0	0	0	0	0	0	13:15	6	1	0	1	0	0	8
1:30	0	0	0	0	0	0	0	13:30	2	0	0	1	0	0	3
1:45	0	0	0	0	0	0	0	13:45	2	1	0	0	0	0	3
2:00	0	0	0	0	0	0	0	14:00	3	0	1	0	0	0	4
2:15	0	0	0	0	0	0	0	14:15	13	1	0	1	0	0	15
2:30	0	0	0	0	0	0	0	14:30	0	2	0	0	0	0	2
2:45	0	0	0	0	0	0	0	14:45	0	0	0	1	0	0	1
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	1	0	0	1	0	0	2
3:30	2	0	0	0	0	0	2	15:30	0	0	0	0	0	0	0
3:45	1	0	0	0	0	0	1	15:45	0	0	0	0	0	0	0
4:00	2	0	0	0	0	0	2	16:00	0	1	0	0	0	0	1
4:15	4	0	0	0	0	0	4	16:15	0	0	0	0	0	0	0
4:30	5	0	0	0	0	0	5	16:30	0	0	0	0	0	0	0
4:45	13	0	0	0	0	0	13	16:45	0	0	0	0	0	0	0
5:00	25	2	0	0	0	0	27	17:00	0	0	0	0	0	0	0
5:15	22	0	0	0	0	0	22	17:15	0	0	0	0	0	0	0
5:30	13	0	0	0	0	0	13	17:30	1	0	0	2	0	0	3
5:45	13	0	0	0	0	0	13	17:45	0	0	0	0	0	0	0
6:00	1	0	0	0	0	0	1	18:00	0	0	0	0	0	0	0
6:15	3	0	0	0	0	0	3	18:15	0	0	0	0	0	0	0
6:30	2	0	0	0	0	0	2	18:30	0	0	0	0	0	0	0
6:45	6	0	0	0	0	0	6	18:45	3	0	0	0	0	0	3
7:00	4	0	0	0	0	0	4	19:00	0	0	0	0	0	0	0
7:15	9	0	0	0	0	0	9	19:15	0	0	0	0	0	0	0
7:30	8	0	0	0	0	0	8	19:30	0	0	0	0	0	0	0
7:45	7	0	0	0	0	0	7	19:45	0	0	0	0	0	0	0
8:00	13	0	0	0	0	0	13	20:00	0	0	0	0	0	0	0
8:15	7	0	0	0	0	0	7	20:15	0	0	0	0	0	0	0
8:30	3	0	0	0	0	0	3	20:30	0	0	0	0	0	0	0
8:45	8	1	0	0	0	0	9	20:45	0	0	0	0	0	0	0
9:00	3	0	0	0	0	0	3	21:00	0	0	0	0	0	0	0
9:15	4	0	0	0	0	0	4	21:15	0	0	0	0	0	0	0
9:30	3	0	0	1	0	0	4	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	1	0	0	1
10:00	5	0	0	1	0	1	7	22:00	0	0	0	0	0	0	0
10:15	1	0	0	1	0	0	2	22:15	0	0	0	0	0	0	0
10:30	2	0	0	0	0	0	2	22:30	0	0	0	0	0	0	0
10:45	7	0	0	0	0	0	7	22:45	0	0	0	0	0	0	0
11:00	2	1	0	0	0	0	3	23:00	0	0	0	0	0	0	0
11:15	2	2	0	0	0	1	5	23:15	0	0	0	0	0	0	0
11:30	6	0	0	0	0	0	6	23:30	0	0	0	0	0	0	0
11:45	1	1	0	0	0	0	2	23:45	0	0	0	0	0	0	0
TOTAL	208	7	0	3	0	2	220	TOTAL	56	9	1	9	0	0	75

AM PEAK HOUR	5:00 AM
AM PEAK VOLUME	75

AM PEAK HOUR	12:00 PM
AM PEAK VOLUME	26

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	264	16	1	12	0	2	295
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	89.5%	5.4%	0.3%	4.1%	0.0%	0.7%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	517	30	3	22	0	4	576
CLASS 6	Buses	% OF TOTAL	89.8%	5.2%	0.5%	3.8%	0.0%	0.7%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS21 DWY west of Corporate Center.TU.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	7	3	0	0	0	0	10
0:15	0	0	0	0	0	0	0	12:15	5	2	0	0	0	0	7
0:30	0	0	0	0	0	0	0	12:30	7	0	0	0	0	0	7
0:45	0	0	0	0	0	0	0	12:45	2	0	0	0	0	0	2
1:00	0	0	0	0	0	0	0	13:00	3	0	0	0	0	0	3
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	1	1	0	1	0	0	3
1:45	0	0	0	0	0	0	0	13:45	2	0	0	0	0	0	2
2:00	0	0	0	0	0	0	0	14:00	36	0	0	0	0	0	36
2:15	0	0	0	0	0	0	0	14:15	16	1	1	0	0	0	18
2:30	0	0	0	0	0	0	0	14:30	19	0	0	1	0	0	20
2:45	0	0	0	0	0	0	0	14:45	7	1	0	0	0	0	8
3:00	0	0	0	0	0	0	0	15:00	6	0	0	2	0	0	8
3:15	0	0	0	0	0	0	0	15:15	6	0	0	0	0	0	6
3:30	0	0	0	0	0	0	0	15:30	7	0	0	0	0	0	7
3:45	0	0	0	0	0	0	0	15:45	4	0	0	0	0	0	4
4:00	0	0	0	0	0	0	0	16:00	11	0	0	1	0	0	12
4:15	0	0	0	0	0	0	0	16:15	8	0	0	0	0	0	8
4:30	0	0	0	0	0	0	0	16:30	4	2	0	0	0	0	6
4:45	0	0	0	0	0	0	0	16:45	9	0	0	0	0	0	9
5:00	0	0	0	0	0	0	0	17:00	11	0	0	0	0	0	11
5:15	1	0	0	0	0	0	1	17:15	5	0	0	0	0	0	5
5:30	0	0	0	0	0	0	0	17:30	4	0	0	0	0	0	4
5:45	0	0	0	0	0	0	0	17:45	2	0	0	1	0	0	3
6:00	0	0	0	0	0	0	0	18:00	4	0	0	1	0	0	5
6:15	0	0	0	1	0	0	1	18:15	1	0	0	0	0	0	1
6:30	0	0	0	0	0	0	0	18:30	4	0	0	0	0	0	4
6:45	0	0	0	0	0	0	0	18:45	4	0	0	0	0	0	4
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	2	0	0	0	0	0	2	19:30	0	0	0	0	0	0	0
7:45	3	0	0	0	0	0	3	19:45	0	0	0	0	0	0	0
8:00	1	0	0	0	0	0	1	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	0	0	0	0	0	0	0	20:45	0	0	0	0	0	0	0
9:00	1	1	0	0	0	0	2	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	1	0	0	0	0	0	1	21:30	0	0	0	0	0	0	0
9:45	4	0	0	0	0	0	4	21:45	0	0	0	0	0	0	0
10:00	2	0	0	0	0	0	2	22:00	0	0	0	0	0	0	0
10:15	0	0	0	1	0	1	2	22:15	0	0	0	0	0	0	0
10:30	5	0	0	0	0	0	5	22:30	0	0	0	0	0	0	0
10:45	3	0	0	0	0	0	3	22:45	1	0	0	0	0	0	1
11:00	5	0	0	1	0	0	6	23:00	16	0	0	0	0	0	16
11:15	2	2	1	0	0	0	5	23:15	1	0	0	0	0	0	1
11:30	5	1	0	0	0	1	7	23:30	0	0	0	0	0	0	0
11:45	5	0	0	0	0	0	5	23:45	0	0	0	0	0	0	0
TOTAL	40	4	1	3	0	2	50	TOTAL	213	10	1	7	0	0	231

AM PEAK HOUR	11:00 AM
AM PEAK VOLUME	23

AM PEAK HOUR	2:00 PM
AM PEAK VOLUME	82

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	253	14	2	10	0	2	281
% OF TOTAL	90.0%	5.0%	0.7%	3.6%	0.0%	0.7%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS21 DWY west of Corporate Center.TU.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	12	4	0	0	0	0	16
0:15	0	0	0	0	0	0	0	12:15	11	3	0	1	0	0	15
0:30	0	0	0	0	0	0	0	12:30	11	0	0	0	0	0	11
0:45	0	0	0	0	0	0	0	12:45	9	1	0	0	0	0	10
1:00	0	0	0	0	0	0	0	13:00	6	0	0	0	0	0	6
1:15	0	0	0	0	0	0	0	13:15	6	1	0	1	0	0	8
1:30	0	0	0	0	0	0	0	13:30	3	1	0	2	0	0	6
1:45	0	0	0	0	0	0	0	13:45	4	1	0	0	0	0	5
2:00	0	0	0	0	0	0	0	14:00	39	0	1	0	0	0	40
2:15	0	0	0	0	0	0	0	14:15	29	2	1	1	0	0	33
2:30	0	0	0	0	0	0	0	14:30	19	2	0	1	0	0	22
2:45	0	0	0	0	0	0	0	14:45	7	1	0	1	0	0	9
3:00	0	0	0	0	0	0	0	15:00	6	0	0	2	0	0	8
3:15	0	0	0	0	0	0	0	15:15	7	0	0	1	0	0	8
3:30	2	0	0	0	0	0	2	15:30	7	0	0	0	0	0	7
3:45	1	0	0	0	0	0	1	15:45	4	0	0	0	0	0	4
4:00	2	0	0	0	0	0	2	16:00	11	1	0	1	0	0	13
4:15	4	0	0	0	0	0	4	16:15	8	0	0	0	0	0	8
4:30	5	0	0	0	0	0	5	16:30	4	2	0	0	0	0	6
4:45	13	0	0	0	0	0	13	16:45	9	0	0	0	0	0	9
5:00	25	2	0	0	0	0	27	17:00	11	0	0	0	0	0	11
5:15	23	0	0	0	0	0	23	17:15	5	0	0	0	0	0	5
5:30	13	0	0	0	0	0	13	17:30	5	0	0	2	0	0	7
5:45	13	0	0	0	0	0	13	17:45	2	0	0	1	0	0	3
6:00	1	0	0	0	0	0	1	18:00	4	0	0	1	0	0	5
6:15	3	0	0	1	0	0	4	18:15	1	0	0	0	0	0	1
6:30	2	0	0	0	0	0	2	18:30	4	0	0	0	0	0	4
6:45	6	0	0	0	0	0	6	18:45	7	0	0	0	0	0	7
7:00	4	0	0	0	0	0	4	19:00	0	0	0	0	0	0	0
7:15	9	0	0	0	0	0	9	19:15	0	0	0	0	0	0	0
7:30	10	0	0	0	0	0	10	19:30	0	0	0	0	0	0	0
7:45	10	0	0	0	0	0	10	19:45	0	0	0	0	0	0	0
8:00	14	0	0	0	0	0	14	20:00	0	0	0	0	0	0	0
8:15	7	0	0	0	0	0	7	20:15	0	0	0	0	0	0	0
8:30	3	0	0	0	0	0	3	20:30	0	0	0	0	0	0	0
8:45	8	1	0	0	0	0	9	20:45	0	0	0	0	0	0	0
9:00	4	1	0	0	0	0	5	21:00	0	0	0	0	0	0	0
9:15	4	0	0	0	0	0	4	21:15	0	0	0	0	0	0	0
9:30	4	0	0	1	0	0	5	21:30	0	0	0	0	0	0	0
9:45	5	0	0	0	0	0	5	21:45	0	0	0	1	0	0	1
10:00	7	0	0	1	0	1	9	22:00	0	0	0	0	0	0	0
10:15	1	0	0	2	0	1	4	22:15	0	0	0	0	0	0	0
10:30	7	0	0	0	0	0	7	22:30	0	0	0	0	0	0	0
10:45	10	0	0	0	0	0	10	22:45	1	0	0	0	0	0	1
11:00	7	1	0	1	0	0	9	23:00	16	0	0	0	0	0	16
11:15	4	4	1	0	0	1	10	23:15	1	0	0	0	0	0	1
11:30	11	1	0	0	0	1	13	23:30	0	0	0	0	0	0	0
11:45	6	1	0	0	0	0	7	23:45	0	0	0	0	0	0	0
TOTAL	248	11	1	6	0	4	270	TOTAL	269	19	2	16	0	0	306

AM PEAK HOUR	5:00 AM
AM PEAK VOLUME	76

AM PEAK HOUR	2:00 PM
AM PEAK VOLUME	104

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	517	30	3	22	0	4	576
% OF TOTAL	89.8%	5.2%	0.5%	3.8%	0.0%	0.7%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS21 DWY west of Corporate Center.WE.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	3	2	0	1	0	0	6
0:15	0	0	0	0	0	0	0	12:15	7	1	0	0	0	0	8
0:30	0	0	0	0	0	0	0	12:30	5	2	0	0	0	0	7
0:45	0	0	0	0	0	0	0	12:45	5	0	0	1	0	0	6
1:00	0	0	0	0	0	0	0	13:00	4	0	0	0	0	0	4
1:15	0	0	0	0	0	0	0	13:15	7	1	0	0	0	0	8
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	3	1	0	0	0	0	4
2:00	0	0	0	0	0	0	0	14:00	5	0	0	0	0	0	5
2:15	0	0	0	0	0	0	0	14:15	12	1	0	2	0	0	15
2:30	0	0	0	0	0	0	0	14:30	2	0	0	0	0	0	2
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	1	1	0	0	0	0	2
3:15	0	0	0	0	0	0	0	15:15	1	1	0	0	0	0	2
3:30	1	0	0	0	0	0	1	15:30	1	0	0	1	0	0	2
3:45	1	0	0	0	0	0	1	15:45	2	0	0	0	0	0	2
4:00	2	0	0	0	0	0	2	16:00	0	0	0	1	0	0	1
4:15	3	0	0	0	0	0	3	16:15	0	1	0	0	0	0	1
4:30	5	0	0	0	0	0	5	16:30	0	1	0	0	0	0	1
4:45	16	0	0	0	0	0	16	16:45	1	0	0	0	0	0	1
5:00	25	0	0	0	0	0	25	17:00	2	1	0	0	0	0	3
5:15	22	0	0	0	0	0	22	17:15	0	0	0	0	0	0	0
5:30	12	0	0	0	0	0	12	17:30	1	0	0	1	0	0	2
5:45	10	0	0	0	0	0	10	17:45	1	0	0	0	0	0	1
6:00	5	0	1	2	0	0	8	18:00	0	0	0	0	0	0	0
6:15	5	0	0	0	0	0	5	18:15	0	0	0	0	0	0	0
6:30	1	0	0	1	0	0	2	18:30	1	0	0	0	0	0	1
6:45	5	0	0	0	0	0	5	18:45	1	0	0	0	0	0	1
7:00	4	0	0	0	0	0	4	19:00	0	0	0	0	0	0	0
7:15	6	0	0	0	0	0	6	19:15	0	0	0	0	0	0	0
7:30	7	0	0	0	0	0	7	19:30	0	0	0	0	0	0	0
7:45	12	0	0	0	0	0	12	19:45	0	0	0	0	0	0	0
8:00	5	0	0	0	0	0	5	20:00	0	0	0	0	0	0	0
8:15	12	1	0	1	0	0	14	20:15	0	0	0	0	0	0	0
8:30	2	0	0	1	0	0	3	20:30	0	0	0	0	0	0	0
8:45	4	0	0	0	0	0	4	20:45	0	0	0	0	0	0	0
9:00	4	0	0	0	0	0	4	21:00	0	0	0	0	0	0	0
9:15	5	0	0	0	0	0	5	21:15	0	0	0	0	0	0	0
9:30	2	0	0	0	0	0	2	21:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	21:45	0	0	0	1	0	0	1
10:00	0	1	0	1	0	0	2	22:00	0	0	0	0	0	0	0
10:15	3	1	0	0	0	0	4	22:15	0	0	0	0	0	0	0
10:30	2	0	0	0	0	0	2	22:30	0	0	0	0	0	0	0
10:45	1	0	0	0	0	0	1	22:45	0	0	0	0	0	0	0
11:00	2	2	0	0	0	0	4	23:00	0	0	0	0	0	0	0
11:15	3	1	0	0	0	0	4	23:15	0	0	0	0	0	0	0
11:30	2	0	0	1	0	0	3	23:30	0	0	0	0	0	0	0
11:45	5	1	0	0	0	0	6	23:45	0	0	0	0	0	0	0
TOTAL	194	7	1	7	0	0	209	TOTAL	65	13	0	8	0	0	86

AM PEAK HOUR	4:45 AM
AM PEAK VOLUME	75

AM PEAK HOUR	12:00 PM
AM PEAK VOLUME	27

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	259	20	1	15	0	0	295
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	87.8%	6.8%	0.3%	5.1%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	518	40	2	30	0	0	590
CLASS 6	Buses	% OF TOTAL	87.8%	6.8%	0.3%	5.1%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS21 DWY west of Corporate Center.WE.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	3	2	0	1	0	0	6
0:15	0	0	0	0	0	0	0	12:15	7	1	0	0	0	0	8
0:30	0	0	0	0	0	0	0	12:30	5	2	0	0	0	0	7
0:45	0	0	0	0	0	0	0	12:45	5	0	0	1	0	0	6
1:00	0	0	0	0	0	0	0	13:00	4	0	0	0	0	0	4
1:15	0	0	0	0	0	0	0	13:15	7	1	0	0	0	0	8
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	3	1	0	0	0	0	4
2:00	0	0	0	0	0	0	0	14:00	5	0	0	0	0	0	5
2:15	0	0	0	0	0	0	0	14:15	12	1	0	2	0	0	15
2:30	0	0	0	0	0	0	0	14:30	2	0	0	0	0	0	2
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	1	1	0	0	0	0	2
3:15	0	0	0	0	0	0	0	15:15	1	1	0	0	0	0	2
3:30	1	0	0	0	0	0	1	15:30	1	0	0	1	0	0	2
3:45	1	0	0	0	0	0	1	15:45	2	0	0	0	0	0	2
4:00	2	0	0	0	0	0	2	16:00	0	0	0	1	0	0	1
4:15	3	0	0	0	0	0	3	16:15	0	1	0	0	0	0	1
4:30	5	0	0	0	0	0	5	16:30	0	1	0	0	0	0	1
4:45	16	0	0	0	0	0	16	16:45	1	0	0	0	0	0	1
5:00	25	0	0	0	0	0	25	17:00	2	1	0	0	0	0	3
5:15	22	0	0	0	0	0	22	17:15	0	0	0	0	0	0	0
5:30	12	0	0	0	0	0	12	17:30	1	0	0	1	0	0	2
5:45	10	0	0	0	0	0	10	17:45	1	0	0	0	0	0	1
6:00	5	0	1	2	0	0	8	18:00	0	0	0	0	0	0	0
6:15	5	0	0	0	0	0	5	18:15	0	0	0	0	0	0	0
6:30	1	0	0	1	0	0	2	18:30	1	0	0	0	0	0	1
6:45	5	0	0	0	0	0	5	18:45	1	0	0	0	0	0	1
7:00	4	0	0	0	0	0	4	19:00	0	0	0	0	0	0	0
7:15	6	0	0	0	0	0	6	19:15	0	0	0	0	0	0	0
7:30	7	0	0	0	0	0	7	19:30	0	0	0	0	0	0	0
7:45	12	0	0	0	0	0	12	19:45	0	0	0	0	0	0	0
8:00	5	0	0	0	0	0	5	20:00	0	0	0	0	0	0	0
8:15	12	1	0	1	0	0	14	20:15	0	0	0	0	0	0	0
8:30	2	0	0	1	0	0	3	20:30	0	0	0	0	0	0	0
8:45	4	0	0	0	0	0	4	20:45	0	0	0	0	0	0	0
9:00	4	0	0	0	0	0	4	21:00	0	0	0	0	0	0	0
9:15	5	0	0	0	0	0	5	21:15	0	0	0	0	0	0	0
9:30	2	0	0	0	0	0	2	21:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	21:45	0	0	0	1	0	0	1
10:00	0	1	0	1	0	0	2	22:00	0	0	0	0	0	0	0
10:15	3	1	0	0	0	0	4	22:15	0	0	0	0	0	0	0
10:30	2	0	0	0	0	0	2	22:30	0	0	0	0	0	0	0
10:45	1	0	0	0	0	0	1	22:45	0	0	0	0	0	0	0
11:00	2	2	0	0	0	0	4	23:00	0	0	0	0	0	0	0
11:15	3	1	0	0	0	0	4	23:15	0	0	0	0	0	0	0
11:30	2	0	0	1	0	0	3	23:30	0	0	0	0	0	0	0
11:45	5	1	0	0	0	0	6	23:45	0	0	0	0	0	0	0
TOTAL	194	7	1	7	0	0	209	TOTAL	65	13	0	8	0	0	86

AM PEAK HOUR	4:45 AM
AM PEAK VOLUME	75

AM PEAK HOUR	12:00 PM
AM PEAK VOLUME	27

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	259	20	1	15	0	0	295
% OF TOTAL	87.8%	6.8%	0.3%	5.1%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS21 DWY west of Corporate Center.WE.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	6	4	0	2	0	0	12
0:15	0	0	0	0	0	0	0	12:15	14	2	0	0	0	0	16
0:30	0	0	0	0	0	0	0	12:30	10	4	0	0	0	0	14
0:45	0	0	0	0	0	0	0	12:45	10	0	0	2	0	0	12
1:00	0	0	0	0	0	0	0	13:00	8	0	0	0	0	0	8
1:15	0	0	0	0	0	0	0	13:15	14	2	0	0	0	0	16
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	6	2	0	0	0	0	8
2:00	0	0	0	0	0	0	0	14:00	10	0	0	0	0	0	10
2:15	0	0	0	0	0	0	0	14:15	24	2	0	4	0	0	30
2:30	0	0	0	0	0	0	0	14:30	4	0	0	0	0	0	4
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	2	2	0	0	0	0	4
3:15	0	0	0	0	0	0	0	15:15	2	2	0	0	0	0	4
3:30	2	0	0	0	0	0	2	15:30	2	0	0	2	0	0	4
3:45	2	0	0	0	0	0	2	15:45	4	0	0	0	0	0	4
4:00	4	0	0	0	0	0	4	16:00	0	0	0	2	0	0	2
4:15	6	0	0	0	0	0	6	16:15	0	2	0	0	0	0	2
4:30	10	0	0	0	0	0	10	16:30	0	2	0	0	0	0	2
4:45	32	0	0	0	0	0	32	16:45	2	0	0	0	0	0	2
5:00	50	0	0	0	0	0	50	17:00	4	2	0	0	0	0	6
5:15	44	0	0	0	0	0	44	17:15	0	0	0	0	0	0	0
5:30	24	0	0	0	0	0	24	17:30	2	0	0	2	0	0	4
5:45	20	0	0	0	0	0	20	17:45	2	0	0	0	0	0	2
6:00	10	0	2	4	0	0	16	18:00	0	0	0	0	0	0	0
6:15	10	0	0	0	0	0	10	18:15	0	0	0	0	0	0	0
6:30	2	0	0	2	0	0	4	18:30	2	0	0	0	0	0	2
6:45	10	0	0	0	0	0	10	18:45	2	0	0	0	0	0	2
7:00	8	0	0	0	0	0	8	19:00	0	0	0	0	0	0	0
7:15	12	0	0	0	0	0	12	19:15	0	0	0	0	0	0	0
7:30	14	0	0	0	0	0	14	19:30	0	0	0	0	0	0	0
7:45	24	0	0	0	0	0	24	19:45	0	0	0	0	0	0	0
8:00	10	0	0	0	0	0	10	20:00	0	0	0	0	0	0	0
8:15	24	2	0	2	0	0	28	20:15	0	0	0	0	0	0	0
8:30	4	0	0	2	0	0	6	20:30	0	0	0	0	0	0	0
8:45	8	0	0	0	0	0	8	20:45	0	0	0	0	0	0	0
9:00	8	0	0	0	0	0	8	21:00	0	0	0	0	0	0	0
9:15	10	0	0	0	0	0	10	21:15	0	0	0	0	0	0	0
9:30	4	0	0	0	0	0	4	21:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	21:45	0	0	0	2	0	0	2
10:00	0	2	0	2	0	0	4	22:00	0	0	0	0	0	0	0
10:15	6	2	0	0	0	0	8	22:15	0	0	0	0	0	0	0
10:30	4	0	0	0	0	0	4	22:30	0	0	0	0	0	0	0
10:45	2	0	0	0	0	0	2	22:45	0	0	0	0	0	0	0
11:00	4	4	0	0	0	0	8	23:00	0	0	0	0	0	0	0
11:15	6	2	0	0	0	0	8	23:15	0	0	0	0	0	0	0
11:30	4	0	0	2	0	0	6	23:30	0	0	0	0	0	0	0
11:45	10	2	0	0	0	0	12	23:45	0	0	0	0	0	0	0
TOTAL	388	14	2	14	0	0	418	TOTAL	130	26	0	16	0	0	172

AM PEAK HOUR	4:45 AM
AM PEAK VOLUME	150

AM PEAK HOUR	12:00 PM
AM PEAK VOLUME	54

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	518	40	2	30	0	0	590
% OF TOTAL	87.8%	6.8%	0.3%	5.1%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS22 DWY Western south of Ocean Ranch.TU.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	1	1	0	0	0	0	2
0:15	0	0	0	0	0	0	0	12:15	3	0	0	0	0	0	3
0:30	0	0	0	0	0	0	0	12:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	12:45	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	1	0	0	0	0	0	1
1:45	0	0	0	0	0	0	0	13:45	1	0	0	0	0	0	1
2:00	0	0	0	0	0	0	0	14:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0	14:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	1	0	0	0	0	0	1
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	1	0	0	0	0	0	1	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	6	0	0	0	0	0	6	17:15	0	0	0	0	0	0	0
5:30	1	0	0	0	0	0	1	17:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	1	0	0	0	0	0	1	18:00	0	0	0	0	0	0	0
6:15	1	0	0	0	0	0	1	18:15	0	0	0	0	0	0	0
6:30	2	0	0	0	0	0	2	18:30	0	0	0	0	0	0	0
6:45	1	0	0	0	0	0	1	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	1	0	0	0	0	0	1	19:30	0	0	0	0	0	0	0
7:45	3	0	0	0	0	0	3	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	1	0	0	0	0	0	1	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	21:45	0	0	0	0	0	0	0
10:00	2	0	0	0	0	0	2	22:00	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	22:15	0	0	0	0	0	0	0
10:30	2	0	0	0	0	0	2	22:30	0	0	0	0	0	0	0
10:45	1	0	0	0	0	0	1	22:45	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	23:00	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	23:15	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	1	0	0	0	0	0	1	23:45	0	0	0	0	0	0	0
TOTAL	24	0	0	0	0	0	24	TOTAL	7	1	0	0	0	0	8

AM PEAK HOUR	5:15 AM
AM PEAK VOLUME	8

AM PEAK HOUR	12:00 PM
AM PEAK VOLUME	5

		TOTAL: AM+PM	1	2	3	4	5	6	TOTAL
CLASS 1	PASSENGER VEHICLES		31	1	0	0	0	0	32
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	96.9%	3.1%	0.0%	0.0%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	93	9	1	6	0	0	109
CLASS 6	Buses	% OF TOTAL	85.3%	8.3%	0.9%	5.5%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS22 DWY Western south of Ocean Ranch.TU.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	2	0	0	0	0	0	2
0:15	0	0	0	0	0	0	0	12:15	2	2	0	0	0	0	4
0:30	0	0	0	0	0	0	0	12:30	3	0	0	0	0	0	3
0:45	0	0	0	0	0	0	0	12:45	3	0	0	0	0	0	3
1:00	0	0	0	0	0	0	0	13:00	1	0	0	0	0	0	1
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	0	0	0	1	0	0	1
1:45	0	0	0	0	0	0	0	13:45	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	14:00	13	0	0	0	0	0	13
2:15	0	0	0	0	0	0	0	14:15	3	0	0	0	0	0	3
2:30	0	0	0	0	0	0	0	14:30	8	0	0	0	0	0	8
2:45	0	0	0	0	0	0	0	14:45	2	0	0	0	0	0	2
3:00	0	0	0	0	0	0	0	15:00	2	0	0	0	0	0	2
3:15	0	0	0	0	0	0	0	15:15	4	0	0	0	0	0	4
3:30	0	0	0	0	0	0	0	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	1	0	0	0	0	0	1
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	2	0	0	0	0	0	2	17:00	0	0	0	0	0	0	0
5:15	1	0	0	0	0	0	1	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	1	0	0	0	0	0	1
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	1	0	0	0	0	0	1	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	19:45	0	0	0	0	0	0	0
8:00	0	2	0	0	0	0	2	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	0	1	0	1	0	0	2	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	0	1	0	2	0	0	3	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	0	0	0	0
10:00	2	0	0	0	0	0	2	22:00	0	0	0	0	0	0	0
10:15	1	0	0	0	0	0	1	22:15	0	0	0	0	0	0	0
10:30	1	0	0	0	0	0	1	22:30	3	0	0	0	0	0	3
10:45	2	0	1	0	0	0	3	22:45	1	0	0	0	0	0	1
11:00	0	0	0	0	0	0	0	23:00	0	0	0	0	0	0	0
11:15	1	1	0	0	0	0	2	23:15	0	0	0	0	0	0	0
11:30	1	0	0	1	0	0	2	23:30	0	0	0	0	0	0	0
11:45	0	1	0	1	0	0	2	23:45	0	0	0	0	0	0	0
TOTAL	13	6	1	5	0	0	25	TOTAL	49	2	0	1	0	0	52

AM PEAK HOUR	10:45 AM
AM PEAK VOLUME	7

AM PEAK HOUR	2:00 PM
AM PEAK VOLUME	26

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	62	8	1	6	0	0	77
% OF TOTAL	80.5%	10.4%	1.3%	7.8%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS22 DWY Western south of Ocean Ranch.TU.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	3	1	0	0	0	0	4
0:15	0	0	0	0	0	0	0	12:15	5	2	0	0	0	0	7
0:30	0	0	0	0	0	0	0	12:30	3	0	0	0	0	0	3
0:45	0	0	0	0	0	0	0	12:45	3	0	0	0	0	0	3
1:00	0	0	0	0	0	0	0	13:00	1	0	0	0	0	0	1
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	1	0	0	1	0	0	2
1:45	0	0	0	0	0	0	0	13:45	1	0	0	0	0	0	1
2:00	0	0	0	0	0	0	0	14:00	13	0	0	0	0	0	13
2:15	0	0	0	0	0	0	0	14:15	3	0	0	0	0	0	3
2:30	0	0	0	0	0	0	0	14:30	8	0	0	0	0	0	8
2:45	0	0	0	0	0	0	0	14:45	2	0	0	0	0	0	2
3:00	0	0	0	0	0	0	0	15:00	2	0	0	0	0	0	2
3:15	0	0	0	0	0	0	0	15:15	4	0	0	0	0	0	4
3:30	0	0	0	0	0	0	0	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	2	0	0	0	0	0	2
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	1	0	0	0	0	0	1	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	2	0	0	0	0	0	2	17:00	0	0	0	0	0	0	0
5:15	7	0	0	0	0	0	7	17:15	0	0	0	0	0	0	0
5:30	1	0	0	0	0	0	1	17:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	1	0	0	0	0	0	1	18:00	1	0	0	0	0	0	1
6:15	1	0	0	0	0	0	1	18:15	0	0	0	0	0	0	0
6:30	3	0	0	0	0	0	3	18:30	0	0	0	0	0	0	0
6:45	1	0	0	0	0	0	1	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	1	0	0	0	0	0	1	19:30	0	0	0	0	0	0	0
7:45	3	0	0	0	0	0	3	19:45	0	0	0	0	0	0	0
8:00	0	2	0	0	0	0	2	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	1	1	0	1	0	0	3	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	0	1	0	2	0	0	3	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	0	0	0	0
10:00	4	0	0	0	0	0	4	22:00	0	0	0	0	0	0	0
10:15	1	0	0	0	0	0	1	22:15	0	0	0	0	0	0	0
10:30	3	0	0	0	0	0	3	22:30	3	0	0	0	0	0	3
10:45	3	0	1	0	0	0	4	22:45	1	0	0	0	0	0	1
11:00	0	0	0	0	0	0	0	23:00	0	0	0	0	0	0	0
11:15	1	1	0	0	0	0	2	23:15	0	0	0	0	0	0	0
11:30	1	0	0	1	0	0	2	23:30	0	0	0	0	0	0	0
11:45	1	1	0	1	0	0	3	23:45	0	0	0	0	0	0	0
TOTAL	37	6	1	5	0	0	49	TOTAL	56	3	0	1	0	0	60

AM PEAK HOUR	10:00 AM
AM PEAK VOLUME	12

AM PEAK HOUR	2:00 PM
AM PEAK VOLUME	26

TOTAL: AM+PM	93	9	1	6	0	0	109
% OF TOTAL	85.3%	8.3%	0.9%	5.5%	0.0%	0.0%	100.0%

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS22 DWY Western south of Ocean Ranch.WE.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	2	0	0	0	0	0	2
0:15	0	0	0	0	0	0	0	12:15	1	0	0	0	0	0	1
0:30	0	0	0	0	0	0	0	12:30	0	0	0	1	0	0	1
0:45	0	0	0	0	0	0	0	12:45	2	0	0	0	0	0	2
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	2	0	0	0	0	0	2
1:30	0	0	0	0	0	0	0	13:30	1	0	0	0	0	0	1
1:45	0	0	0	0	0	0	0	13:45	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	14:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0	14:15	2	0	0	0	0	0	2
2:30	0	0	0	0	0	0	0	14:30	1	0	0	0	0	0	1
2:45	0	0	0	0	0	0	0	14:45	1	0	0	0	0	0	1
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	2	0	0	0	0	0	2
3:30	1	0	0	0	0	0	1	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	1	0	0	0	0	0	1	16:30	0	0	0	0	0	0	0
4:45	2	0	0	0	0	0	2	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	4	0	0	0	0	0	4	17:15	0	0	0	0	0	0	0
5:30	1	0	0	0	0	0	1	17:30	0	0	0	0	0	0	0
5:45	1	0	0	0	0	0	1	17:45	0	0	0	0	0	0	0
6:00	1	0	0	0	0	0	1	18:00	0	0	0	0	0	0	0
6:15	1	0	0	0	0	0	1	18:15	0	0	0	0	0	0	0
6:30	2	0	0	0	0	0	2	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	1	0	0	0	0	0	1	19:00	0	0	0	0	0	0	0
7:15	2	0	0	0	0	0	2	19:15	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	19:45	0	0	0	0	0	0	0
8:00	0	1	0	0	0	0	1	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	2	0	0	0	0	0	2	20:30	0	0	0	0	0	0	0
8:45	2	0	0	0	0	0	2	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	21:45	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	22:00	0	0	0	0	0	0	0
10:15	1	1	0	0	0	0	2	22:15	0	0	0	0	0	0	0
10:30	2	0	0	0	0	0	2	22:30	0	0	0	0	0	0	0
10:45	1	0	0	0	0	0	1	22:45	0	0	0	0	0	0	0
11:00	0	1	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	23:15	0	0	0	0	0	0	0
11:30	1	0	0	0	0	0	1	23:30	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	23:45	0	0	0	0	0	0	0
TOTAL	26	3	0	0	0	0	29	TOTAL	14	0	0	1	0	0	15

AM PEAK HOUR	5:15 AM
AM PEAK VOLUME	7

AM PEAK HOUR	12:00 PM
AM PEAK VOLUME	6

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	40	3	0	1	0	0	44
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	90.9%	6.8%	0.0%	2.3%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	114	8	0	9	0	0	131
CLASS 6	Buses	% OF TOTAL	87.0%	6.1%	0.0%	6.9%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS22 DWY Western south of Ocean Ranch.WE.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	1	0	0	0	0	0	1
0:15	0	0	0	0	0	0	0	12:15	2	0	0	0	0	0	2
0:30	0	0	0	0	0	0	0	12:30	1	1	0	0	0	0	2
0:45	0	0	0	0	0	0	0	12:45	2	0	0	0	0	0	2
1:00	0	0	0	0	0	0	0	13:00	0	0	0	1	0	0	1
1:15	0	0	0	0	0	0	0	13:15	1	0	0	0	0	0	1
1:30	0	0	0	0	0	0	0	13:30	0	1	0	0	0	0	1
1:45	0	0	0	0	0	0	0	13:45	2	0	0	0	0	0	2
2:00	0	0	0	0	0	0	0	14:00	11	0	0	1	0	0	12
2:15	0	0	0	0	0	0	0	14:15	3	0	0	1	0	0	4
2:30	0	0	0	0	0	0	0	14:30	11	0	0	0	0	0	11
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	6	0	0	0	0	0	6
3:15	0	0	0	0	0	0	0	15:15	4	0	0	0	0	0	4
3:30	0	0	0	0	0	0	0	15:30	1	0	0	0	0	0	1
3:45	0	0	0	0	0	0	0	15:45	1	0	0	0	0	0	1
4:00	0	0	0	0	0	0	0	16:00	2	0	0	0	0	0	2
4:15	0	0	0	0	0	0	0	16:15	2	0	0	0	0	0	2
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	1	0	0	0	0	0	1	16:45	0	0	0	0	0	0	0
5:00	1	0	0	0	0	0	1	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	2	0	0	0	0	0	2	18:00	0	0	0	0	0	0	0
6:15	0	0	0	1	0	0	1	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	1	0	0	0	0	0	1	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	1	0	0	0	0	0	1	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	1	0	0	1	20:30	0	0	0	0	0	0	0
8:45	1	0	0	0	0	0	1	20:45	0	0	0	0	0	0	0
9:00	0	1	0	0	0	0	1	21:00	0	0	0	0	0	0	0
9:15	0	1	0	0	0	0	1	21:15	0	0	0	0	0	0	0
9:30	1	0	0	0	0	0	1	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	0	0	0	0
10:00	1	0	0	0	0	0	1	22:00	0	0	0	0	0	0	0
10:15	2	1	0	1	0	0	4	22:15	0	0	0	0	0	0	0
10:30	3	0	0	0	0	0	3	22:30	4	0	0	0	0	0	4
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	1	0	0	1	0	0	2	23:00	0	0	0	0	0	0	0
11:15	1	0	0	1	0	0	2	23:15	0	0	0	0	0	0	0
11:30	2	0	0	0	0	0	2	23:30	0	0	0	0	0	0	0
11:45	1	0	0	0	0	0	1	23:45	0	0	0	0	0	0	0
TOTAL	20	3	0	5	0	0	28	TOTAL	54	2	0	3	0	0	59

AM PEAK HOUR	10:15 AM
AM PEAK VOLUME	9

AM PEAK HOUR	1:45 PM
AM PEAK VOLUME	29

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	74	5	0	8	0	0	87
% OF TOTAL	85.1%	5.7%	0.0%	9.2%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS22 DWY Western south of Ocean Ranch.WE.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	3	0	0	0	0	0	3
0:15	0	0	0	0	0	0	0	12:15	3	0	0	0	0	0	3
0:30	0	0	0	0	0	0	0	12:30	1	1	0	1	0	0	3
0:45	0	0	0	0	0	0	0	12:45	4	0	0	0	0	0	4
1:00	0	0	0	0	0	0	0	13:00	0	0	0	1	0	0	1
1:15	0	0	0	0	0	0	0	13:15	3	0	0	0	0	0	3
1:30	0	0	0	0	0	0	0	13:30	1	1	0	0	0	0	2
1:45	0	0	0	0	0	0	0	13:45	2	0	0	0	0	0	2
2:00	0	0	0	0	0	0	0	14:00	11	0	0	1	0	0	12
2:15	0	0	0	0	0	0	0	14:15	5	0	0	1	0	0	6
2:30	0	0	0	0	0	0	0	14:30	12	0	0	0	0	0	12
2:45	0	0	0	0	0	0	0	14:45	1	0	0	0	0	0	1
3:00	0	0	0	0	0	0	0	15:00	6	0	0	0	0	0	6
3:15	0	0	0	0	0	0	0	15:15	6	0	0	0	0	0	6
3:30	1	0	0	0	0	0	1	15:30	1	0	0	0	0	0	1
3:45	0	0	0	0	0	0	0	15:45	1	0	0	0	0	0	1
4:00	0	0	0	0	0	0	0	16:00	2	0	0	0	0	0	2
4:15	0	0	0	0	0	0	0	16:15	2	0	0	0	0	0	2
4:30	1	0	0	0	0	0	1	16:30	0	0	0	0	0	0	0
4:45	3	0	0	0	0	0	3	16:45	0	0	0	0	0	0	0
5:00	1	0	0	0	0	0	1	17:00	0	0	0	0	0	0	0
5:15	4	0	0	0	0	0	4	17:15	0	0	0	0	0	0	0
5:30	1	0	0	0	0	0	1	17:30	0	0	0	0	0	0	0
5:45	1	0	0	0	0	0	1	17:45	0	0	0	0	0	0	0
6:00	3	0	0	0	0	0	3	18:00	0	0	0	0	0	0	0
6:15	1	0	0	1	0	0	2	18:15	0	0	0	0	0	0	0
6:30	2	0	0	0	0	0	2	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	2	0	0	0	0	0	2	19:00	0	0	0	0	0	0	0
7:15	2	0	0	0	0	0	2	19:15	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	1	0	0	0	0	0	1	19:45	0	0	0	0	0	0	0
8:00	0	1	0	0	0	0	1	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	2	0	0	1	0	0	3	20:30	0	0	0	0	0	0	0
8:45	3	0	0	0	0	0	3	20:45	0	0	0	0	0	0	0
9:00	0	1	0	0	0	0	1	21:00	0	0	0	0	0	0	0
9:15	0	1	0	0	0	0	1	21:15	0	0	0	0	0	0	0
9:30	1	0	0	0	0	0	1	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	0	0	0	0
10:00	1	0	0	0	0	0	1	22:00	0	0	0	0	0	0	0
10:15	3	2	0	1	0	0	6	22:15	0	0	0	0	0	0	0
10:30	5	0	0	0	0	0	5	22:30	4	0	0	0	0	0	4
10:45	1	0	0	0	0	0	1	22:45	0	0	0	0	0	0	0
11:00	1	1	0	1	0	0	3	23:00	0	0	0	0	0	0	0
11:15	1	0	0	1	0	0	2	23:15	0	0	0	0	0	0	0
11:30	3	0	0	0	0	0	3	23:30	0	0	0	0	0	0	0
11:45	1	0	0	0	0	0	1	23:45	0	0	0	0	0	0	0
TOTAL	46	6	0	5	0	0	57	TOTAL	68	2	0	4	0	0	74

AM PEAK HOUR	10:15 AM
AM PEAK VOLUME	15

AM PEAK HOUR	1:45 PM
AM PEAK VOLUME	32

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	114	8	0	9	0	0	131
% OF TOTAL	87.0%	6.1%	0.0%	6.9%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS23 DWY Eastern south of Ocean Ranch.TU.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	2	0	0	0	0	0	2
0:15	0	0	0	0	0	0	0	12:15	0	1	0	0	0	0	1
0:30	0	0	0	0	0	0	0	12:30	1	0	0	0	0	0	1
0:45	0	0	0	0	0	0	0	12:45	1	0	0	0	0	0	1
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	4	0	0	1	0	0	5
1:45	0	0	0	0	0	0	0	13:45	2	0	1	0	0	0	3
2:00	0	0	0	0	0	0	0	14:00	2	0	0	0	0	0	2
2:15	0	0	0	0	0	0	0	14:15	1	0	0	0	0	0	1
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	1	0	0	0	0	0	1
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	1	0	0	0	0	0	1	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	8	1	0	0	0	0	9	17:00	0	0	0	0	0	0	0
5:15	10	0	0	0	0	0	10	17:15	0	0	0	0	0	0	0
5:30	3	0	0	0	0	0	3	17:30	0	0	0	0	0	0	0
5:45	4	0	0	0	0	0	4	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	1	0	0	0	0	0	1
6:15	0	0	0	1	0	0	1	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	1	0	0	1	19:15	0	0	0	0	0	0	0
7:30	1	0	0	0	0	0	1	19:30	0	0	0	0	0	0	0
7:45	1	1	0	0	0	0	2	19:45	0	0	0	0	0	0	0
8:00	0	1	0	0	0	0	1	20:00	0	0	0	0	0	0	0
8:15	2	0	0	1	0	0	3	20:15	0	0	0	0	0	0	0
8:30	0	1	0	0	0	0	1	20:30	0	0	0	0	0	0	0
8:45	0	0	1	0	0	0	1	20:45	1	0	0	0	0	0	1
9:00	0	0	1	0	0	0	1	21:00	0	0	0	0	0	0	0
9:15	1	1	0	1	0	0	3	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	2	0	0	0	0	0	2	21:45	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	22:00	0	0	0	0	0	0	0
10:15	0	0	1	1	0	0	2	22:15	0	0	0	0	0	0	0
10:30	1	0	0	0	0	0	1	22:30	0	0	0	0	0	0	0
10:45	1	0	0	0	0	0	1	22:45	0	0	0	0	0	0	0
11:00	1	0	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	0	0	0	1	0	0	1	23:15	0	0	0	0	0	0	0
11:30	1	0	0	1	0	0	2	23:30	0	0	0	0	0	0	0
11:45	0	1	0	0	0	0	1	23:45	0	0	0	0	0	0	0
TOTAL	37	6	3	7	0	0	53	TOTAL	16	1	1	1	0	0	19

AM PEAK HOUR	5:00 AM
AM PEAK VOLUME	26

AM PEAK HOUR	1:30 PM
AM PEAK VOLUME	11

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	53	7	4	8	0	0	72
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	73.6%	9.7%	5.6%	11.1%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	74	8	5	9	0	0	96
CLASS 6	Buses	% OF TOTAL	77.1%	8.3%	5.2%	9.4%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS23 DWY Eastern south of Ocean Ranch.TU.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	0	0	0	0	0	0	0
0:15	0	0	0	0	0	0	0	12:15	2	0	0	0	0	0	2
0:30	0	0	0	0	0	0	0	12:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	12:45	0	1	0	0	0	0	1
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	14:00	5	0	0	0	0	0	5
2:15	0	0	0	0	0	0	0	14:15	2	0	0	0	0	0	2
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	1	0	0	0	0	0	1
3:15	0	0	0	0	0	0	0	15:15	2	0	0	0	0	0	2
3:30	0	0	0	0	0	0	0	15:30	1	0	0	0	0	0	1
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	1	0	0	0	0	0	1
4:15	0	0	0	0	0	0	0	16:15	2	0	0	0	0	0	2
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	1	0	0	0	0	0	1
5:30	0	0	0	0	0	0	0	17:30	1	0	0	0	0	0	1
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	1	0	0	0	0	0	1
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	20:30	1	0	0	0	0	0	1
8:45	0	0	0	0	0	0	0	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	0	0	1	0	0	0	1	21:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	21:45	0	0	0	0	0	0	0
10:00	0	0	0	1	0	0	1	22:00	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	23:00	0	0	0	0	0	0	0
11:15	1	0	0	0	0	0	1	23:15	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	23:45	0	0	0	0	0	0	0
TOTAL	1	0	1	1	0	0	3	TOTAL	20	1	0	0	0	0	21

AM PEAK HOUR	9:30 AM
AM PEAK VOLUME	2

AM PEAK HOUR	2:00 PM
AM PEAK VOLUME	7

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	21	1	1	1	0	0	24
% OF TOTAL	87.5%	4.2%	4.2%	4.2%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS23 DWY Eastern south of Ocean Ranch.TU.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	2	0	0	0	0	0	2
0:15	0	0	0	0	0	0	0	12:15	2	1	0	0	0	0	3
0:30	0	0	0	0	0	0	0	12:30	1	0	0	0	0	0	1
0:45	0	0	0	0	0	0	0	12:45	1	1	0	0	0	0	2
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	4	0	0	1	0	0	5
1:45	0	0	0	0	0	0	0	13:45	2	0	1	0	0	0	3
2:00	0	0	0	0	0	0	0	14:00	7	0	0	0	0	0	7
2:15	0	0	0	0	0	0	0	14:15	3	0	0	0	0	0	3
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	2	0	0	0	0	0	2
3:15	0	0	0	0	0	0	0	15:15	2	0	0	0	0	0	2
3:30	0	0	0	0	0	0	0	15:30	1	0	0	0	0	0	1
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	1	0	0	0	0	0	1
4:15	0	0	0	0	0	0	0	16:15	2	0	0	0	0	0	2
4:30	1	0	0	0	0	0	1	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	8	1	0	0	0	0	9	17:00	0	0	0	0	0	0	0
5:15	10	0	0	0	0	0	10	17:15	1	0	0	0	0	0	1
5:30	3	0	0	0	0	0	3	17:30	1	0	0	0	0	0	1
5:45	4	0	0	0	0	0	4	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	1	0	0	0	0	0	1
6:15	0	0	0	1	0	0	1	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	1	0	0	1	19:15	0	0	0	0	0	0	0
7:30	1	0	0	0	0	0	1	19:30	0	0	0	0	0	0	0
7:45	1	1	0	0	0	0	2	19:45	0	0	0	0	0	0	0
8:00	0	1	0	0	0	0	1	20:00	1	0	0	0	0	0	1
8:15	2	0	0	1	0	0	3	20:15	0	0	0	0	0	0	0
8:30	0	1	0	0	0	0	1	20:30	1	0	0	0	0	0	1
8:45	0	0	1	0	0	0	1	20:45	1	0	0	0	0	0	1
9:00	0	0	1	0	0	0	1	21:00	0	0	0	0	0	0	0
9:15	1	1	0	1	0	0	3	21:15	0	0	0	0	0	0	0
9:30	0	0	1	0	0	0	1	21:30	0	0	0	0	0	0	0
9:45	2	0	0	0	0	0	2	21:45	0	0	0	0	0	0	0
10:00	0	0	0	1	0	0	1	22:00	0	0	0	0	0	0	0
10:15	0	0	1	1	0	0	2	22:15	0	0	0	0	0	0	0
10:30	1	0	0	0	0	0	1	22:30	0	0	0	0	0	0	0
10:45	1	0	0	0	0	0	1	22:45	0	0	0	0	0	0	0
11:00	1	0	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	1	0	0	1	0	0	2	23:15	0	0	0	0	0	0	0
11:30	1	0	0	1	0	0	2	23:30	0	0	0	0	0	0	0
11:45	0	1	0	0	0	0	1	23:45	0	0	0	0	0	0	0
TOTAL	38	6	4	8	0	0	56	TOTAL	36	2	1	1	0	0	40

AM PEAK HOUR	5:00 AM
AM PEAK VOLUME	26

AM PEAK HOUR	1:30 PM
AM PEAK VOLUME	18

TOTAL: AM+PM	74	8	5	9	0	0	96
% OF TOTAL	77.1%	8.3%	5.2%	9.4%	0.0%	0.0%	100.0%

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS23 DWY Eastern south of Ocean Ranch.WE.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	2	0	0	1	0	0	3
0:15	0	0	0	0	0	0	0	12:15	0	0	0	0	0	0	0
0:30	0	0	0	0	0	0	0	12:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	12:45	1	0	1	0	0	0	2
1:00	0	0	0	0	0	0	0	13:00	0	0	0	1	0	0	1
1:15	0	0	0	0	0	0	0	13:15	3	0	0	0	0	0	3
1:30	0	0	0	0	0	0	0	13:30	3	1	0	1	0	0	5
1:45	0	0	0	0	0	0	0	13:45	2	0	0	0	0	0	2
2:00	0	0	0	0	0	0	0	14:00	1	0	0	1	0	0	2
2:15	0	0	0	0	0	0	0	14:15	1	0	0	0	0	0	1
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	3	0	0	0	0	0	3	15:30	1	0	0	0	0	0	1
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	1	0	0	0	0	0	1	16:45	0	0	0	0	0	0	0
5:00	6	0	0	0	0	0	6	17:00	0	0	0	0	0	0	0
5:15	11	0	0	0	0	0	11	17:15	1	0	0	0	0	0	1
5:30	5	0	0	0	0	0	5	17:30	0	0	0	0	0	0	0
5:45	3	0	0	0	0	0	3	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	1	0	0	1	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	3	0	0	0	0	0	3	19:45	0	0	0	0	0	0	0
8:00	2	0	0	0	0	0	2	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	1	0	0	0	0	0	1
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	2	0	0	0	0	0	2	20:45	0	0	0	0	0	0	0
9:00	1	1	0	0	0	0	2	21:00	0	0	0	0	0	0	0
9:15	1	0	0	1	0	0	2	21:15	0	0	0	0	0	0	0
9:30	1	0	0	0	0	0	1	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	22:00	0	0	0	0	0	0	0
10:15	2	0	0	0	0	0	2	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	1	0	0	1	22:45	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	23:00	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	23:15	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	3	0	0	0	0	0	3	23:45	0	0	0	0	0	0	0
TOTAL	45	1	0	3	0	0	49	TOTAL	16	1	1	4	0	0	22

AM PEAK HOUR	5:00 AM
AM PEAK VOLUME	25

AM PEAK HOUR	1:15 PM
AM PEAK VOLUME	12

			1	2	3	4	5	6	TOTAL
CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	61	2	1	7	0	0	71
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	85.9%	2.8%	1.4%	9.9%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	90	3	2	8	0	0	103
CLASS 6	Buses	% OF TOTAL	87.4%	2.9%	1.9%	7.8%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS23 DWY Eastern south of Ocean Ranch.WE.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	0	1	0	0	0	0	1
0:15	0	0	0	0	0	0	0	12:15	1	0	0	0	0	0	1
0:30	0	0	0	0	0	0	0	12:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	12:45	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	13:00	1	0	1	0	0	0	2
1:15	0	0	0	0	0	0	0	13:15	0	0	0	1	0	0	1
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	14:00	5	0	0	0	0	0	5
2:15	0	0	0	0	0	0	0	14:15	3	0	0	0	0	0	3
2:30	0	0	0	0	0	0	0	14:30	1	0	0	0	0	0	1
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	3	0	0	0	0	0	3
3:15	0	0	0	0	0	0	0	15:15	1	0	0	0	0	0	1
3:30	0	0	0	0	0	0	0	15:30	2	0	0	0	0	0	2
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	2	0	0	0	0	0	2
5:15	0	0	0	0	0	0	0	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	19:45	1	0	0	0	0	0	1
8:00	0	0	0	0	0	0	0	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	2	0	0	0	0	0	2
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	1	0	0	0	0	0	1	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	2	0	0	0	0	0	2	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	22:00	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	1	0	0	0	0	0	1
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	1	0	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	23:15	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	1	0	0	0	0	0	1	23:45	0	0	0	0	0	0	0
TOTAL	6	0	0	0	0	0	6	TOTAL	23	1	1	1	0	0	26

AM PEAK HOUR	9:30 AM
AM PEAK VOLUME	3

AM PEAK HOUR	2:00 PM
AM PEAK VOLUME	9

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	29	1	1	1	0	0	32
% OF TOTAL	90.6%	3.1%	3.1%	3.1%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS23 DWY Eastern south of Ocean Ranch.WE.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	2	1	0	1	0	0	4
0:15	0	0	0	0	0	0	0	12:15	1	0	0	0	0	0	1
0:30	0	0	0	0	0	0	0	12:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	12:45	1	0	1	0	0	0	2
1:00	0	0	0	0	0	0	0	13:00	1	0	1	1	0	0	3
1:15	0	0	0	0	0	0	0	13:15	3	0	0	1	0	0	4
1:30	0	0	0	0	0	0	0	13:30	3	1	0	1	0	0	5
1:45	0	0	0	0	0	0	0	13:45	2	0	0	0	0	0	2
2:00	0	0	0	0	0	0	0	14:00	6	0	0	1	0	0	7
2:15	0	0	0	0	0	0	0	14:15	4	0	0	0	0	0	4
2:30	0	0	0	0	0	0	0	14:30	1	0	0	0	0	0	1
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	3	0	0	0	0	0	3
3:15	0	0	0	0	0	0	0	15:15	1	0	0	0	0	0	1
3:30	3	0	0	0	0	0	3	15:30	3	0	0	0	0	0	3
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	1	0	0	0	0	0	1	16:45	0	0	0	0	0	0	0
5:00	6	0	0	0	0	0	6	17:00	2	0	0	0	0	0	2
5:15	11	0	0	0	0	0	11	17:15	1	0	0	0	0	0	1
5:30	5	0	0	0	0	0	5	17:30	0	0	0	0	0	0	0
5:45	3	0	0	0	0	0	3	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	1	0	0	1	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	3	0	0	0	0	0	3	19:45	1	0	0	0	0	0	1
8:00	2	0	0	0	0	0	2	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	3	0	0	0	0	0	3
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	3	0	0	0	0	0	3	20:45	0	0	0	0	0	0	0
9:00	1	1	0	0	0	0	2	21:00	0	0	0	0	0	0	0
9:15	1	0	0	1	0	0	2	21:15	0	0	0	0	0	0	0
9:30	3	0	0	0	0	0	3	21:30	0	0	0	0	0	0	0
9:45	2	0	0	0	0	0	2	21:45	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	22:00	0	0	0	0	0	0	0
10:15	2	0	0	0	0	0	2	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	1	0	0	0	0	0	1
10:45	0	0	0	1	0	0	1	22:45	0	0	0	0	0	0	0
11:00	1	0	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	23:15	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	4	0	0	0	0	0	4	23:45	0	0	0	0	0	0	0
TOTAL	51	1	0	3	0	0	55	TOTAL	39	2	2	5	0	0	48

AM PEAK HOUR	5:00 AM
AM PEAK VOLUME	25

AM PEAK HOUR	1:30 PM
AM PEAK VOLUME	18

TOTAL: AM+PM	90	3	2	8	0	0	103
% OF TOTAL	87.4%	2.9%	1.9%	7.8%	0.0%	0.0%	100.0%

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

Tuesday, June 13, 2023 CITY: San Diego PROJECT: SC4085

PB_21 DWY west of Corporate Center. **Prepared by AimTD LLC tel. 714 253 7888**

	PEDS		BIKES				PEDS		BIKES			
AM Period	IN	OUT	IN	OUT		PM Period	IN	OUT	IN	OUT		
0:00	0	0	0	0		12:00	1	1	0	0		
0:15	0	0	0	0		12:15	1	0	0	0		
0:30	0	0	0	0		12:30	0	1	0	0		
0:45	0 0	0 0	0 0	0 0		12:45	0 2	0 2	0 0	0 0	4	
1:00	0	0	0	0		13:00	1	1	0	0		
1:15	0	0	0	0		13:15	2	0	0	0		
1:30	0	0	0	0		13:30	0	0	0	0		
1:45	0 0	0 0	0 0	0 0		13:45	0 3	0 1	0 0	0 0	4	
2:00	0	0	0	0		14:00	0	4	0	2		
2:15	0	0	0	0		14:15	1	2	0	0		
2:30	0	0	0	0		14:30	2	0	0	0		
2:45	0 0	0 0	0 0	0 0		14:45	1 4	0 6	0 0	2 4	14	
3:00	0	0	0	0		15:00	0	0	0	0		
3:15	0	0	0	0		15:15	0	0	0	0		
3:30	0	0	0	0		15:30	0	0	0	0		
3:45	0 0	0 0	0 0	0 0		15:45	0 0	0 0	0 0	0 0		
4:00	0	0	0	0		16:00	0	0	0	0		
4:15	0	0	0	0		16:15	0	0	0	0		
4:30	0	0	0	0		16:30	0	0	0	0		
4:45	0 0	0 0	0 0	0 0		16:45	0 0	0 0	0 0	0 0		
5:00	0	0	1	0		17:00	0	0	0	0		
5:15	1	0	0	0		17:15	0	0	0	0		
5:30	1	0	0	0		17:30	0	0	0	0		
5:45	0 2	0 0	0 1	0 0	3	17:45	0 0	1 1	0 0	0 0	1	
6:00	0	0	0	0		18:00	0	0	0	0		
6:15	0	0	0	0		18:15	0	0	0	0		
6:30	0	0	0	0		18:30	0	0	0	0		
6:45	0 0	0 0	0 0	0 0		18:45	0 0	0 0	0 0	0 0		
7:00	0	0	0	0		19:00	0	0	0	0		
7:15	0	0	0	0		19:15	0	0	0	0		
7:30	0	1	0	0		19:30	0	0	0	0		
7:45	0 0	0 1	0 0	0 0	1	19:45	0 0	0 0	0 0	0 0		
8:00	1	0	0	0		20:00	0	0	0	0		
8:15	0	0	0	0		20:15	0	0	0	0		
8:30	0	1	0	0		20:30	0	0	0	0		
8:45	1 2	0 1	0 0	0 0	3	20:45	0 0	0 0	0 0	0 0		
9:00	1	1	0	0		21:00	0	0	0	0		
9:15	0	0	0	0		21:15	0	0	0	0		
9:30	0	1	0	0		21:30	0	0	0	0		
9:45	1 2	1 3	0 0	0 0	5	21:45	0 0	0 0	0 0	0 0		
10:00	0	0	0	0		22:00	0	0	0	0		
10:15	1	1	0	0		22:15	0	0	0	0		
10:30	0	0	0	0		22:30	0	0	0	0		
10:45	0 1	0 1	0 0	0 0	2	22:45	0 0	0 0	0 0	0 0		
11:00	3	0	0	0		23:00	0	0	0	0		
11:15	0	0	0	0		23:15	0	0	0	0		
11:30	0	1	0	0		23:30	0	0	0	0		
11:45	0 3	0 1	0 0	1 1	5	23:45	0 0	0 0	0 0	0 0		
Total Vol.	10	7	1	1	19		9	10	0	4	23	

Daily Totals				
IN	OUT	IN	OUT	Combined
19	17	1	5	42

	AM					PM				
Split %	52.6%	36.8%	5.3%	5.3%	45.2%	39.1%	43.5%	0.0%	17.4%	54.8%
Peak Hour	10:15	9:00	4:15	11:00	9:00	14:00	13:30		14:00	14:00
Volume	4	3	1	1	5	4	6		4	14
P.H.F.	0.33	0.75	0.25	0.25	0.63	0.63	0.38		0.50	0.58

cs@aimtd.com Tell. 714 253 7888

Wednesday, June 14, 2023 CITY: San Diego PROJECT: SC4085

PB_21 DWY west of Corporate Center. **Prepared by AimTD LLC tel. 714 253 7888**

	PEDS				BIKES						PEDS				BIKES				
AM Period	IN		OUT		IN		OUT			PM Period	IN		OUT		IN		OUT		
0:00	0		0		0		0			12:00	0		2		0		0		
0:15	0		0		0		0			12:15	1		0		0		0		
0:30	0		0		0		0			12:30	0		0		0		0		
0:45	0	0	0	0	0	0	0	0		12:45	0	1	0	2	0	0	0	0	3
1:00	0		0		0		0			13:00	1		1		0		0		
1:15	0		0		0		0			13:15	0		0		0		0		
1:30	0		0		0		0			13:30	0		2		0		0		
1:45	0	0	0	0	0	0	0	0		13:45	1	2	1	4	0	0	0	0	6
2:00	0		0		0		0			14:00	0		2		0		2		
2:15	0		0		0		0			14:15	0		0		0		0		
2:30	0		0		0		0			14:30	0		1		0		0		
2:45	0	0	0	0	0	0	0	0		14:45	0	0	1	4	0	0	0	2	6
3:00	0		0		0		0			15:00	1		0		0		0		
3:15	0		0		0		0			15:15	2		0		0		0		
3:30	0		0		0		0			15:30	0		0		0		0		
3:45	0	0	0	0	0	0	0	0		15:45	0	3	0	0	0	0	0	0	3
4:00	0		0		0		0			16:00	0		0		0		0		
4:15	0		0		0		0			16:15	0		0		0		0		
4:30	0		0		0		0			16:30	0		0		0		0		
4:45	0	0	0	0	1	1	0	0	1	16:45	0	0	1	1	0	0	0	0	1
5:00	1		0		0		0			17:00	0		0		0		0		
5:15	0		0		0		0			17:15	0		0		0		0		
5:30	1		0		0		0			17:30	0		0		0		0		
5:45	0	2	0	0	0	0	0	0	2	17:45	0	0	0	0	0	0	0	0	
6:00	0		0		0		0			18:00	0		0		0		0		
6:15	0		0		0		0			18:15	0		0		0		0		
6:30	0		0		0		0			18:30	0		0		0		0		
6:45	0	0	0	0	0	0	0	0		18:45	0	0	0	0	0	0	0	0	
7:00	0		0		0		0			19:00	0		0		0		0		
7:15	0		0		0		0			19:15	0		0		0		0		
7:30	0		0		0		0			19:30	0		0		0		0		
7:45	0	0	0	0	0	0	0	0		19:45	0	0	0	0	0	0	0	0	
8:00	1		0		0		2			20:00	0		0		0		0		
8:15	0		0		0		0			20:15	0		0		0		0		
8:30	0		0		0		0			20:30	0		0		0		0		
8:45	0	1	0	0	0	0	0	2	3	20:45	0	0	0	0	0	0	0	0	
9:00	0		0		0		0			21:00	0		0		0		0		
9:15	0		0		0		0			21:15	0		0		0		0		
9:30	1		0		0		3			21:30	0		0		0		0		
9:45	2	3	0	0	0	0	0	3	6	21:45	0	0	0	0	0	0	0	0	
10:00	0		0		0		0			22:00	0		0		0		0		
10:15	0		0		0		0			22:15	0		0		0		0		
10:30	0		0		0		0			22:30	0		0		0		0		
10:45	0	0	0	0	0	0	0	0		22:45	0	0	0	0	0	0	0	0	
11:00	1		0		0		0			23:00	0		0		0		0		
11:15	0		0		0		0			23:15	0		0		0		0		
11:30	1		0		0		0			23:30	0		0		0		0		
11:45	0	2	0	0	0	0	0	0	2	23:45	0	0	0	0	0	0	0	0	
Total Vol.		8		0		1		0	14			6		11		0		2	19

Daily Totals				
IN	OUT	IN	OUT	Combined
14	11	1	2	33

	AM					PM				
Split %	57.1%	0.0%	7.1%	0.0%	42.4%	31.6%	57.9%	0.0%	10.5%	57.6%
Peak Hour	9:00	11:15	4:00	8:45	9:00	14:30	13:15		13:15	13:15
Volume	3	2	1	3	6	3	5		2	8
P.H.F.	0.38	0.25	0.25	0.25	0.38	0.50	0.63		0.25	0.50

cs@aimtd.com Tell. 714 253 7888

Tuesday, June 13, 2023 CITY: San Diego PROJECT: SC4085

PB_22 DWY Western south of Ocean Ranch. **Prepared by AimTD LLC tel. 714 253 7888**

	PEDS		BIKES			PEDS		BIKES		
AM Period	IN	OUT	IN	OUT		PM Period	IN	OUT	IN	OUT	
0:00	0	0	0	0		12:00	0	0	0	0	
0:15	0	0	0	0		12:15	0	0	0	0	
0:30	0	0	0	0		12:30	0	0	0	0	
0:45	0 0	0 0	0 0	0 0		12:45	0 0	0 0	0 0	0 0	
1:00	0	0	0	0		13:00	0	0	0	0	
1:15	0	0	0	0		13:15	0	0	0	0	
1:30	0	0	0	0		13:30	0	0	0	0	
1:45	0 0	0 0	0 0	0 0		13:45	0 0	0 0	0 0	0 0	
2:00	0	0	0	0		14:00	2	0	0	0	
2:15	0	0	0	0		14:15	0	0	0	0	
2:30	0	0	0	0		14:30	0	0	0	0	
2:45	0 0	0 0	0 0	0 0		14:45	0 2	0 0	0 0	0 0	2
3:00	0	0	0	0		15:00	0	0	0	0	
3:15	0	0	0	0		15:15	0	0	0	0	
3:30	0	0	0	0		15:30	0	0	0	0	
3:45	0 0	0 0	0 0	0 0		15:45	0 0	0 0	0 0	0 0	
4:00	0	0	0	0		16:00	0	0	0	0	
4:15	0	0	0	0		16:15	0	0	0	0	
4:30	0	0	0	0		16:30	0	0	0	0	
4:45	0 0	0 0	0 0	0 0		16:45	0 0	0 0	0 0	0 0	
5:00	0	0	0	0		17:00	0	0	0	0	
5:15	0	0	0	0		17:15	0	0	0	0	
5:30	0	0	0	0		17:30	0	0	0	0	
5:45	0 0	0 0	0 0	0 0		17:45	0 0	0 0	0 0	0 0	
6:00	0	0	0	0		18:00	0	0	0	0	
6:15	0	0	0	0		18:15	0	0	0	0	
6:30	0	0	0	0		18:30	0	0	0	0	
6:45	0 0	0 0	0 0	0 0		18:45	0 0	0 0	0 0	0 0	
7:00	0	0	0	0		19:00	0	0	0	0	
7:15	0	0	0	0		19:15	0	0	0	0	
7:30	0	0	0	0		19:30	0	0	0	0	
7:45	1 1	0 0	0 0	0 0	1	19:45	0 0	0 0	0 0	0 0	
8:00	0	1	0	0		20:00	0	0	0	0	
8:15	0	0	0	0		20:15	0	0	0	0	
8:30	0	0	0	0		20:30	0	0	0	0	
8:45	0 0	0 1	0 0	0 0	1	20:45	0 0	0 0	0 0	0 0	
9:00	1	0	0	0		21:00	0	0	0	0	
9:15	0	0	0	0		21:15	0	0	0	0	
9:30	0	0	0	0		21:30	0	0	0	0	
9:45	0 1	0 0	0 0	0 0	1	21:45	0 0	0 0	0 0	0 0	
10:00	0	0	0	0		22:00	0	0	0	0	
10:15	0	0	0	0		22:15	0	0	0	0	
10:30	0	0	0	0		22:30	0	0	0	0	
10:45	0 0	0 0	0 0	0 0		22:45	0 0	0 0	0 0	0 0	
11:00	0	0	0	0		23:00	0	0	0	0	
11:15	0	0	0	0		23:15	0	0	0	0	
11:30	0	0	0	0		23:30	0	0	0	0	
11:45	0 0	0 0	0 0	0 0		23:45	0 0	0 0	0 0	0 0	
Total Vol.	2	1	0	0	3		2	0	0	0	2

Daily Totals				
IN	OUT	IN	OUT	Combined
4	1	0	0	5

	AM					PM				
Split %	66.7%	33.3%	0.0%	0.0%	60.0%	100.0%	0.0%	0.0%	0.0%	40.0%
Peak Hour	7:00	7:15			7:15	13:15				13:15
Volume	1	1			2	2				2
P.H.F.	0.25	0.25			0.50					0.25

cs@aimtd.com Tell. 714 253 7888

Wednesday, June 14, 2023 CITY: San Diego PROJECT: SC4085

PB_22 DWY Western south of Ocean Ranch. **Prepared by AimTD LLC tel. 714 253 7888**

	PEDS				BIKES						PEDS				BIKES					
AM Period	IN		OUT		IN		OUT				PM Period	IN		OUT		IN		OUT			
0:00	0		0		0		0				12:00	0		0		0		0			
0:15	0		0		0		0				12:15	0		0		0		0			
0:30	0		0		0		0				12:30	0		0		0		0			
0:45	0	0	0	0	0	0	0	0			12:45	0	0	0	0	0	0	0	0		
1:00	0		0		0		0				13:00	0		0		0		0			
1:15	0		0		0		0				13:15	0		0		0		0			
1:30	0		0		0		0				13:30	0		0		0		0			
1:45	0	0	0	0	0	0	0	0			13:45	0	0	0	0	0	0	0	0		
2:00	0		0		0		0				14:00	0		0		0		0			
2:15	0		0		0		0				14:15	0		0		0		0			
2:30	0		0		0		0				14:30	0		0		0		0			
2:45	0	0	0	0	0	0	0	0			14:45	1	1	0	0	0	0	0	0		1
3:00	0		0		0		0				15:00	0		1		0		0			
3:15	0		0		0		0				15:15	0		0		0		0			
3:30	0		0		0		0				15:30	0		0		0		0			
3:45	0	0	0	0	0	0	0	0			15:45	0	0	0	1	0	0	0	0		1
4:00	0		0		0		0				16:00	0		0		0		0			
4:15	0		0		0		0				16:15	0		0		0		0			
4:30	0		0		0		0				16:30	0		0		0		0			
4:45	0	0	0	0	0	0	0	0			16:45	0	0	0	0	0	0	0	0		
5:00	0		0		0		0				17:00	0		0		0		0			
5:15	0		0		0		0				17:15	0		0		0		0			
5:30	0		0		0		0				17:30	0		0		0		0			
5:45	0	0	0	0	0	0	0	0			17:45	0	0	0	0	0	0	0	0		
6:00	0		0		0		0				18:00	0		0		0		0			
6:15	0		0		0		0				18:15	0		0		0		0			
6:30	0		0		0		0				18:30	0		0		0		0			
6:45	0	0	0	0	0	0	0	0			18:45	0	0	0	0	0	0	0	0		
7:00	0		0		0		0				19:00	0		0		0		0			
7:15	0		0		0		0				19:15	0		0		0		0			
7:30	0		0		0		0				19:30	0		0		0		0			
7:45	0	0	0	0	0	0	0	0			19:45	0	0	0	0	0	0	0	0		
8:00	0		0		0		0				20:00	0		0		0		0			
8:15	0		0		0		0				20:15	0		0		0		0			
8:30	0		0		0		0				20:30	0		0		0		0			
8:45	0	0	0	0	0	0	0	0			20:45	0	0	0	0	0	0	0	0		
9:00	0		0		0		0				21:00	0		0		0		0			
9:15	0		0		0		0				21:15	0		0		0		0			
9:30	1		0		0		0				21:30	0		0		0		0			
9:45	0	1	0	0	0	0	0	0	1		21:45	0	0	0	0	0	0	0	0		
10:00	0		0		0		0				22:00	0		0		0		0			
10:15	0		0		0		0				22:15	0		0		0		0			
10:30	0		0		0		0				22:30	0		0		0		0			
10:45	0	0	0	0	0	0	0	0			22:45	0	0	0	0	0	0	0	0		
11:00	0		2		0		0				23:00	0		0		0		0			
11:15	0		0		0		0				23:15	0		0		0		0			
11:30	0		0		0		0				23:30	0		0		0		0			
11:45	1	1	0	2	0	0	0	0	3		23:45	0	0	0	0	0	0	0	0		
Total Vol.		2		2		0		0	4				1		1		0		0	2

Daily Totals					
	IN	OUT	IN	OUT	Combined
	3	3	0	0	6

	AM					PM				
Split %	50.0%	50.0%	0.0%	0.0%	66.7%	50.0%	50.0%	0.0%	0.0%	33.3%
Peak Hour	8:45	10:15			11:00	14:00	14:15			14:15
Volume	1	2			3	1	1			2
P.H.F.	0.25	0.25			0.38		0.25			0.50

cs@aimtd.com Tell. 714 253 7888

Tuesday, June 13, 2023 CITY: San Diego PROJECT: SC4085

PB_23 DWY Eastern south of Ocean Ranch. **Prepared by AimTD LLC tel. 714 253 7888**

	PEDS		BIKES			PEDS		BIKES		
AM Period	IN	OUT	IN	OUT		PM Period	IN	OUT	IN	OUT	
0:00	0	0	0	0		12:00	0	0	0	0	
0:15	0	0	0	0		12:15	0	0	0	0	
0:30	0	0	0	0		12:30	0	0	0	0	
0:45	0 0	0 0	0 0	0 0		12:45	0 0	0 0	0 0	0 0	
1:00	0	0	0	0		13:00	0	0	0	0	
1:15	0	0	0	0		13:15	0	0	0	0	
1:30	0	0	0	0		13:30	0	0	0	0	
1:45	0 0	0 0	0 0	0 0		13:45	0 0	0 0	0 0	0 0	
2:00	0	0	0	0		14:00	0	0	0	0	
2:15	0	0	0	0		14:15	0	0	0	0	
2:30	0	0	0	0		14:30	0	0	0	0	
2:45	0 0	0 0	0 0	0 0		14:45	0 0	0 0	0 0	0 0	
3:00	0	0	0	0		15:00	0	0	0	0	
3:15	0	0	0	0		15:15	0	0	0	0	
3:30	0	0	0	0		15:30	0	0	0	0	
3:45	0 0	0 0	0 0	0 0		15:45	0 0	0 0	0 0	0 0	
4:00	0	0	0	0		16:00	0	0	0	0	
4:15	0	0	0	0		16:15	0	0	0	0	
4:30	0	0	0	0		16:30	0	0	0	0	
4:45	0 0	0 0	0 0	0 0		16:45	0 0	0 0	0 0	0 0	
5:00	0	0	0	0		17:00	0	0	0	0	
5:15	0	0	0	0		17:15	0	0	0	0	
5:30	0	0	0	0		17:30	0	0	0	0	
5:45	0 0	0 0	0 0	0 0		17:45	0 0	0 0	0 0	0 0	
6:00	0	0	0	0		18:00	0	0	0	0	
6:15	0	0	0	0		18:15	0	0	0	0	
6:30	0	0	0	0		18:30	0	0	0	0	
6:45	0 0	0 0	0 0	0 0		18:45	0 0	0 0	0 0	0 0	
7:00	0	0	0	0		19:00	0	0	0	0	
7:15	1	1	0	0		19:15	0	0	0	0	
7:30	0	0	0	0		19:30	0	0	0	0	
7:45	0 1	0 1	0 0	0 0	2	19:45	0 0	0 0	0 0	0 0	
8:00	0	0	0	0		20:00	0	0	0	0	
8:15	0	0	0	0		20:15	0	0	0	0	
8:30	0	0	0	0		20:30	0	0	0	0	
8:45	0 0	0 0	0 0	0 0		20:45	0 0	0 0	0 0	0 0	
9:00	0	0	0	0		21:00	0	0	0	0	
9:15	0	2	0	0		21:15	0	0	0	0	
9:30	2	0	0	0		21:30	0	0	0	0	
9:45	0 2	0 2	0 0	0 0	4	21:45	0 0	0 0	0 0	0 0	
10:00	0	0	0	0		22:00	0	0	0	0	
10:15	0	0	0	0		22:15	0	0	0	0	
10:30	0	0	0	0		22:30	0	0	0	0	
10:45	0 0	0 0	0 0	0 0		22:45	0 0	0 0	0 0	0 0	
11:00	0	0	0	0		23:00	0	0	0	0	
11:15	0	0	0	0		23:15	0	0	0	0	
11:30	0	0	0	0		23:30	0	0	0	0	
11:45	0 0	0 0	0 0	0 0		23:45	0 0	0 0	0 0	0 0	
Total Vol.	3	3	0	0	6		0	0	0	0	

Daily Totals				
IN	OUT	IN	OUT	Combined
3	3	0	0	6

	AM					PM				
Split %	50.0%	50.0%	0.0%	0.0%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
Peak Hour	8:45	8:30			8:45					
Volume	2	2			4					
P.H.F.	0.25	0.25			0.50					

cs@aimtd.com Tell. 714 253 7888

Wednesday, June 14, 2023 CITY: San Diego PROJECT: SC4085

PB_23 DWY Eastern south of Ocean Ranch. **Prepared by AimTD LLC tel. 714 253 7888**

	PEDS				BIKES						PEDS				BIKES				
AM Period	IN		OUT		IN		OUT			PM Period	IN		OUT		IN		OUT		
0:00	0		0		0		0			12:00	0		0		0		0		
0:15	0		0		0		0			12:15	0		0		0		0		
0:30	0		0		0		0			12:30	0		0		0		0		
0:45	0	0	0	0	0	0	0	0		12:45	0	0	0	0	0	0	0	0	
1:00	0		0		0		0			13:00	0		0		0		0		
1:15	0		0		0		0			13:15	0		0		0		0		
1:30	0		0		0		0			13:30	0		0		0		0		
1:45	0	0	0	0	0	0	0	0		13:45	0	0	0	0	0	0	0	0	
2:00	0		0		0		0			14:00	0		0		1		0		
2:15	0		0		0		0			14:15	0		0		0		0		
2:30	0		0		0		0			14:30	0		0		0		0		
2:45	0	0	0	0	0	0	0	0		14:45	0	0	0	0	0	1	0	0	1
3:00	0		0		0		0			15:00	0		0		0		0		
3:15	0		0		0		0			15:15	0		0		0		0		
3:30	0		0		0		0			15:30	0		0		0		0		
3:45	0	0	0	0	0	0	0	0		15:45	0	0	0	0	0	0	0	0	
4:00	0		0		0		0			16:00	0		0		0		0		
4:15	0		0		0		0			16:15	0		0		0		0		
4:30	0		0		0		0			16:30	0		0		0		0		
4:45	0	0	0	0	0	0	0	0		16:45	0	0	0	0	0	0	0	0	
5:00	0		0		0		0			17:00	0		0		0		0		
5:15	0		0		0		0			17:15	0		0		0		0		
5:30	0		0		0		0			17:30	0		0		0		0		
5:45	0	0	0	0	0	0	0	0		17:45	0	0	0	0	0	0	0	0	
6:00	0		0		0		0			18:00	0		0		0		0		
6:15	0		0		0		0			18:15	0		0		0		0		
6:30	0		0		0		0			18:30	0		0		0		0		
6:45	0	0	0	0	0	0	0	0		18:45	0	0	0	0	0	0	0	0	
7:00	0		0		0		0			19:00	0		0		0		0		
7:15	0		0		0		0			19:15	0		0		0		0		
7:30	0		0		0		0			19:30	0		0		0		0		
7:45	0	0	0	0	0	0	0	0		19:45	0	0	0	0	0	0	0	0	
8:00	0		0		0		0			20:00	0		0		0		0		
8:15	0		0		0		0			20:15	0		0		0		0		
8:30	0		0		0		0			20:30	0		0		0		0		
8:45	0	0	0	0	0	0	0	0		20:45	0	0	0	0	0	0	0	0	
9:00	0		0		0		0			21:00	0		0		0		0		
9:15	0		1		0		0			21:15	0		0		0		0		
9:30	1		0		0		0			21:30	0		0		0		0		
9:45	0	1	0	1	0	0	0	0	2	21:45	0	0	0	0	0	0	0	0	
10:00	0		0		0		0			22:00	0		0		0		0		
10:15	0		0		0		0			22:15	0		0		0		0		
10:30	0		0		0		0			22:30	0		0		0		0		
10:45	0	0	0	0	0	0	0	0		22:45	0	0	0	0	0	0	0	0	
11:00	0		0		0		0			23:00	0		0		0		0		
11:15	0		0		0		0			23:15	0		0		0		0		
11:30	0		0		0		0			23:30	0		0		0		0		
11:45	0	0	0	0	0	0	0	0		23:45	0	0	0	0	0	0	0	0	
Total Vol.	1		1		0		0	2			0		0		1		0		1

Daily Totals					
	IN	OUT	IN	OUT	Combined
	1	1	1	0	3

	AM						PM				
Split %	50.0%	50.0%	0.0%	0.0%	66.7%		0.0%	0.0%	100.0%	0.0%	33.3%
Peak Hour	8:45	8:30			8:45				13:15		13:15
Volume	1	1			2				1		1
P.H.F.	0.25	0.25			0.50				0.25		0.25

cs@aimtd.com Tell. 714 253 7888

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS31 DWY1 south of Harmony Grove.TU.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	1	0	0	0	0	0	1
0:15	0	0	0	0	0	0	0	12:15	0	0	0	0	0	0	0
0:30	0	0	0	0	0	0	0	12:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	12:45	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	14:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0	14:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	1	0	0	0	0	0	1	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	1	0	0	0	0	0	1
4:45	2	0	0	0	0	0	2	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	1	0	0	0	0	0	1
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	1	0	0	0	0	0	1	19:30	0	0	0	0	0	0	0
7:45	1	0	0	0	0	0	1	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	1	0	0	0	0	0	1
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	0	0	0	0	0	0	0	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	2	0	0	0	0	0	2	21:15	0	0	0	0	0	0	0
9:30	0	0	0	1	0	0	1	21:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	21:45	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	22:00	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	22:15	1	0	0	0	0	0	1
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	0	1	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	23:15	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	23:45	0	0	0	0	0	0	0
TOTAL	7	1	0	1	0	0	9	TOTAL	5	0	0	0	0	0	5

AM PEAK HOUR	9:15 AM
AM PEAK VOLUME	3

AM PEAK HOUR	10:15 PM
AM PEAK VOLUME	1

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

TOTAL: AM+PM	12	1	0	1	0	0	14
% OF TOTAL	85.7%	7.1%	0.0%	7.1%	0.0%	0.0%	100.0%
TOTAL: ALL	26	2	0	2	0	0	30
% OF TOTAL	86.7%	6.7%	0.0%	6.7%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS31 DWY1 south of Harmony Grove.TU.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	1	1	0	0	0	0	2
0:15	1	0	0	0	0	0	1	12:15	1	0	0	0	0	0	1
0:30	0	0	0	0	0	0	0	12:30	1	0	0	0	0	0	1
0:45	0	0	0	0	0	0	0	12:45	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	13:00	1	0	0	0	0	0	1
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	1	0	0	0	0	0	1	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	1	0	0	0	0	0	1
2:00	0	0	0	0	0	0	0	14:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0	14:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	2	0	0	0	0	0	2
3:30	0	0	0	0	0	0	0	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	1	0	0	0	0	0	1
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	2	0	0	0	0	0	2
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	20:30	1	0	0	0	0	0	1
8:45	1	0	0	0	0	0	1	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	21:45	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	22:00	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	23:00	0	0	0	0	0	0	0
11:15	0	0	0	1	0	0	1	23:15	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	23:45	0	0	0	0	0	0	0
TOTAL	3	0	0	1	0	0	4	TOTAL	11	1	0	0	0	0	12

AM PEAK HOUR	11:15 AM
AM PEAK VOLUME	1

AM PEAK HOUR	12:00 PM
AM PEAK VOLUME	4

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	14	1	0	1	0	0	16
% OF TOTAL	87.5%	6.3%	0.0%	6.3%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS31 DWY1 south of Harmony Grove.TU.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	2	1	0	0	0	0	3
0:15	1	0	0	0	0	0	1	12:15	1	0	0	0	0	0	1
0:30	0	0	0	0	0	0	0	12:30	1	0	0	0	0	0	1
0:45	0	0	0	0	0	0	0	12:45	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	13:00	1	0	0	0	0	0	1
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	1	0	0	0	0	0	1	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	1	0	0	0	0	0	1
2:00	0	0	0	0	0	0	0	14:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0	14:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	2	0	0	0	0	0	2
3:30	0	0	0	0	0	0	0	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	1	0	0	0	0	0	1	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	2	0	0	0	0	0	2
4:45	2	0	0	0	0	0	2	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	3	0	0	0	0	0	3
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	1	0	0	0	0	0	1	19:30	0	0	0	0	0	0	0
7:45	1	0	0	0	0	0	1	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	1	0	0	0	0	0	1
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	20:30	1	0	0	0	0	0	1
8:45	1	0	0	0	0	0	1	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	2	0	0	0	0	0	2	21:15	0	0	0	0	0	0	0
9:30	0	0	0	1	0	0	1	21:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	21:45	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	22:00	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	22:15	1	0	0	0	0	0	1
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	0	1	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	0	0	0	1	0	0	1	23:15	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	23:45	0	0	0	0	0	0	0
TOTAL	10	1	0	2	0	0	13	TOTAL	16	1	0	0	0	0	17

AM PEAK HOUR	8:45 AM
AM PEAK VOLUME	4

AM PEAK HOUR	12:00 PM
AM PEAK VOLUME	5

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	26	2	0	2	0	0	30
% OF TOTAL	86.7%	6.7%	0.0%	6.7%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS31 DWY1 south of Harmony Grove.WE.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	1	0	0	0	0	0	1
0:15	0	0	0	0	0	0	0	12:15	0	0	0	0	0	0	0
0:30	0	0	0	0	0	0	0	12:30	0	1	0	0	0	0	1
0:45	0	0	0	0	0	0	0	12:45	1	0	0	0	0	0	1
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	2	0	0	0	0	0	2
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	1	0	0	0	0	0	1
2:00	0	0	0	0	0	0	0	14:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0	14:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	14:30	1	0	0	0	0	0	1
2:45	0	0	0	0	0	0	0	14:45	1	0	0	0	0	0	1
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	1	0	0	0	0	0	1
4:30	1	0	0	0	0	0	1	16:30	1	0	0	0	0	0	1
4:45	2	0	0	0	0	0	2	16:45	1	0	0	0	0	0	1
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	2	0	0	0	0	0	2
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	1	0	0	0	0	0	1
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	1	0	0	0	0	0	1	19:00	0	0	0	0	0	0	0
7:15	1	0	0	0	0	0	1	19:15	1	0	0	0	0	0	1
7:30	1	0	0	0	0	0	1	19:30	0	0	0	0	0	0	0
7:45	1	0	0	0	0	0	1	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	1	0	0	0	0	0	1
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	1	0	0	0	0	0	1	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	21:45	0	0	0	0	0	0	0
10:00	1	0	0	0	0	0	1	22:00	0	0	0	0	0	0	0
10:15	1	0	0	0	0	0	1	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	1	0	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	23:15	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	23:45	0	0	0	0	0	0	0
TOTAL	11	0	0	0	0	0	11	TOTAL	15	1	0	0	0	0	16

AM PEAK HOUR	7:00 AM
AM PEAK VOLUME	4

AM PEAK HOUR	4:30 PM
AM PEAK VOLUME	4

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	26	1	0	0	0	0	27
% OF TOTAL	96.3%	3.7%	0.0%	0.0%	0.0%	0.0%	100.0%
TOTAL: ALL	53	2	0	0	0	0	55
% OF TOTAL	96.4%	3.6%	0.0%	0.0%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS31 DWY1 south of Harmony Grove.WE.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	0	0	0	0	0	0	0
0:15	0	0	0	0	0	0	0	12:15	0	0	0	0	0	0	0
0:30	0	0	0	0	0	0	0	12:30	0	1	0	0	0	0	1
0:45	0	0	0	0	0	0	0	12:45	1	0	0	0	0	0	1
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	1	0	0	0	0	0	1	13:15	2	0	0	0	0	0	2
1:30	1	0	0	0	0	0	1	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	1	0	0	0	0	0	1
2:00	0	0	0	0	0	0	0	14:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0	14:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	2	0	0	0	0	0	2
3:15	0	0	0	0	0	0	0	15:15	1	0	0	0	0	0	1
3:30	0	0	0	0	0	0	0	15:30	1	0	0	0	0	0	1
3:45	0	0	0	0	0	0	0	15:45	1	0	0	0	0	0	1
4:00	0	0	0	0	0	0	0	16:00	2	0	0	0	0	0	2
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	1	0	0	0	0	0	1
5:30	0	0	0	0	0	0	0	17:30	1	0	0	0	0	0	1
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	1	0	0	0	0	0	1
6:15	0	0	0	0	0	0	0	18:15	2	0	0	0	0	0	2
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	1	0	0	0	0	0	1	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	1	0	0	0	0	0	1
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	1	0	0	0	0	0	1
8:15	0	0	0	0	0	0	0	20:15	1	0	0	0	0	0	1
8:30	0	0	0	0	0	0	0	20:30	1	0	0	0	0	0	1
8:45	0	0	0	0	0	0	0	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	22:00	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	1	0	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	23:15	1	0	0	0	0	0	1
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	1	0	0	0	0	0	1	23:45	0	0	0	0	0	0	0
TOTAL	6	0	0	0	0	0	6	TOTAL	21	1	0	0	0	0	22

AM PEAK HOUR	11:00 AM
AM PEAK VOLUME	2

AM PEAK HOUR	3:15 PM
AM PEAK VOLUME	5

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	27	1	0	0	0	0	28
% OF TOTAL	96.4%	3.6%	0.0%	0.0%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023

JOB #: SC4085

CITY: San Diego

LOCATION: CLASS31 DWY1 south of Harmony Grove.WE.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	1	0	0	0	0	0	1
0:15	0	0	0	0	0	0	0	12:15	0	0	0	0	0	0	0
0:30	0	0	0	0	0	0	0	12:30	0	2	0	0	0	0	2
0:45	0	0	0	0	0	0	0	12:45	2	0	0	0	0	0	2
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	1	0	0	0	0	0	1	13:15	4	0	0	0	0	0	4
1:30	1	0	0	0	0	0	1	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	2	0	0	0	0	0	2
2:00	0	0	0	0	0	0	0	14:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0	14:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	14:30	1	0	0	0	0	0	1
2:45	0	0	0	0	0	0	0	14:45	1	0	0	0	0	0	1
3:00	0	0	0	0	0	0	0	15:00	2	0	0	0	0	0	2
3:15	0	0	0	0	0	0	0	15:15	1	0	0	0	0	0	1
3:30	0	0	0	0	0	0	0	15:30	1	0	0	0	0	0	1
3:45	0	0	0	0	0	0	0	15:45	1	0	0	0	0	0	1
4:00	0	0	0	0	0	0	0	16:00	2	0	0	0	0	0	2
4:15	0	0	0	0	0	0	0	16:15	1	0	0	0	0	0	1
4:30	1	0	0	0	0	0	1	16:30	1	0	0	0	0	0	1
4:45	2	0	0	0	0	0	2	16:45	1	0	0	0	0	0	1
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	3	0	0	0	0	0	3
5:30	0	0	0	0	0	0	0	17:30	1	0	0	0	0	0	1
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	1	0	0	0	0	0	1
6:15	0	0	0	0	0	0	0	18:15	2	0	0	0	0	0	2
6:30	0	0	0	0	0	0	0	18:30	1	0	0	0	0	0	1
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	2	0	0	0	0	0	2	19:00	0	0	0	0	0	0	0
7:15	1	0	0	0	0	0	1	19:15	2	0	0	0	0	0	2
7:30	1	0	0	0	0	0	1	19:30	0	0	0	0	0	0	0
7:45	1	0	0	0	0	0	1	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	1	0	0	0	0	0	1
8:15	0	0	0	0	0	0	0	20:15	2	0	0	0	0	0	2
8:30	0	0	0	0	0	0	0	20:30	1	0	0	0	0	0	1
8:45	1	0	0	0	0	0	1	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	0	0	0	0
10:00	1	0	0	0	0	0	1	22:00	0	0	0	0	0	0	0
10:15	1	0	0	0	0	0	1	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	2	0	0	0	0	0	2	23:00	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	23:15	1	0	0	0	0	0	1
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	1	0	0	0	0	0	1	23:45	0	0	0	0	0	0	0
TOTAL	17	0	0	0	0	0	17	TOTAL	36	2	0	0	0	0	38

AM PEAK HOUR	7:00 AM
AM PEAK VOLUME	5

AM PEAK HOUR	12:30 PM
AM PEAK VOLUME	8

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	53	2	0	0	0	0	55
% OF TOTAL	96.4%	3.6%	0.0%	0.0%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS32 DWY2 south of Harmony Grove.TU.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	0	0	0	0	0	0	0
0:15	1	0	0	0	0	0	1	12:15	2	1	0	0	0	0	3
0:30	1	0	0	0	0	0	1	12:30	2	0	0	0	0	0	2
0:45	0	0	0	0	0	0	0	12:45	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	0	0	1	0	0	0	1
2:00	0	0	0	0	0	0	0	14:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0	14:15	1	0	0	0	0	0	1
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	1	0	0	0	0	1
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	0	0	0	1	0	0	1	19:30	0	0	0	0	0	0	0
7:45	0	0	0	2	0	0	2	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	0	0	0	1	0	0	1	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	1	0	0	1	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	22:00	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	1	0	0	1	22:45	0	0	0	0	0	0	0
11:00	0	0	0	1	0	0	1	23:00	0	0	0	1	0	0	1
11:15	0	0	0	0	0	0	0	23:15	0	0	0	0	0	0	0
11:30	0	0	0	1	0	0	1	23:30	0	0	0	0	0	0	0
11:45	0	0	0	2	0	0	2	23:45	0	0	0	0	0	0	0
TOTAL	3	0	0	10	0	0	13	TOTAL	5	2	1	1	0	0	9

AM PEAK HOUR	11:00 AM
AM PEAK VOLUME	4

AM PEAK HOUR	12:15 PM
AM PEAK VOLUME	5

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	8	2	1	11	0	0	22
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	36.4%	9.1%	4.5%	50.0%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	17	5	2	20	0	0	44
CLASS 6	Buses	% OF TOTAL	38.6%	11.4%	4.5%	45.5%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS32 DWY2 south of Harmony Grove.TU.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	0	0	0	0	0	0	0
0:15	0	0	0	0	0	0	0	12:15	2	1	0	1	0	0	4
0:30	0	0	0	0	0	0	0	12:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	12:45	1	0	0	0	0	0	1
1:00	1	0	0	0	0	0	1	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	1	0	0	0	0	0	1	13:45	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	14:00	0	0	1	0	0	0	1
2:15	0	0	0	0	0	0	0	14:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	14:30	1	0	0	0	0	0	1
2:45	0	0	0	0	0	0	0	14:45	0	1	0	0	0	0	1
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	3	0	0	3	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	19:45	0	0	0	0	0	0	0
8:00	0	0	0	1	0	0	1	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	1	0	0	1	20:30	0	0	0	0	0	0	0
8:45	0	0	0	0	0	0	0	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	2	0	0	2	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	1	0	0	0	0	0	1	21:45	0	0	0	0	0	0	0
10:00	1	1	0	0	0	0	2	22:00	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	23:00	0	0	0	0	0	0	0
11:15	0	0	0	1	0	0	1	23:15	0	0	0	0	0	0	0
11:30	1	0	0	0	0	0	1	23:30	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	23:45	0	0	0	0	0	0	0
TOTAL	5	1	0	8	0	0	14	TOTAL	4	2	1	1	0	0	8

AM PEAK HOUR	9:15 AM
AM PEAK VOLUME	5

AM PEAK HOUR	12:15 PM
AM PEAK VOLUME	5

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	9	3	1	9	0	0	22
% OF TOTAL	40.9%	13.6%	4.5%	40.9%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 13, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS32 DWY2 south of Harmony Grove.TU.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	0	0	0	0	0	0	0
0:15	1	0	0	0	0	0	1	12:15	4	2	0	1	0	0	7
0:30	1	0	0	0	0	0	1	12:30	2	0	0	0	0	0	2
0:45	0	0	0	0	0	0	0	12:45	1	0	0	0	0	0	1
1:00	1	0	0	0	0	0	1	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	1	0	0	0	0	0	1	13:45	0	0	1	0	0	0	1
2:00	0	0	0	0	0	0	0	14:00	0	0	1	0	0	0	1
2:15	0	0	0	0	0	0	0	14:15	1	0	0	0	0	0	1
2:30	0	0	0	0	0	0	0	14:30	1	0	0	0	0	0	1
2:45	0	0	0	0	0	0	0	14:45	0	2	0	0	0	0	2
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	3	0	0	3	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	0	0	0	1	0	0	1	19:30	0	0	0	0	0	0	0
7:45	0	0	0	2	0	0	2	19:45	0	0	0	0	0	0	0
8:00	0	0	0	1	0	0	1	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	1	0	0	1	20:30	0	0	0	0	0	0	0
8:45	0	0	0	1	0	0	1	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	3	0	0	3	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	2	0	0	0	0	0	2	21:45	0	0	0	0	0	0	0
10:00	1	1	0	0	0	0	2	22:00	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	1	0	0	1	22:45	0	0	0	0	0	0	0
11:00	0	0	0	1	0	0	1	23:00	0	0	0	1	0	0	1
11:15	0	0	0	1	0	0	1	23:15	0	0	0	0	0	0	0
11:30	1	0	0	1	0	0	2	23:30	0	0	0	0	0	0	0
11:45	0	0	0	2	0	0	2	23:45	0	0	0	0	0	0	0
TOTAL	8	1	0	18	0	0	27	TOTAL	9	4	2	2	0	0	17

AM PEAK HOUR	9:15 AM
AM PEAK VOLUME	7

AM PEAK HOUR	12:15 PM
AM PEAK VOLUME	10

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	17	5	2	20	0	0	44
% OF TOTAL	38.6%	11.4%	4.5%	45.5%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS32 DWY2 south of Harmony Grove.WE.

AM TIME	IN 1	2	3	4	5	6	TOTAL	PM Time	IN 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	0	0	0	0	0	0	0
0:15	0	0	0	0	0	0	0	12:15	1	0	0	0	0	0	1
0:30	0	0	0	0	0	0	0	12:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	12:45	1	0	0	0	0	0	1
1:00	0	1	0	0	0	0	1	13:00	1	0	0	0	0	0	1
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	0	0	0	1	0	0	1
2:00	0	0	0	0	0	0	0	14:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0	14:15	0	0	0	2	0	0	2
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	1	0	0	0	0	0	1	15:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0	15:45	1	0	0	0	0	0	1
4:00	0	0	0	0	0	0	0	16:00	1	0	0	0	0	0	1
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	1	0	0	0	0	0	1
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	1	0	0	0	0	0	1
7:15	1	0	0	0	0	0	1	19:15	0	0	0	0	0	0	0
7:30	1	0	0	0	0	0	1	19:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	1	0	0	0	0	0	1	20:45	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	0	0	0	1	0	0	1	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	0	0	0	2	0	0	2	21:45	0	0	0	0	0	0	0
10:00	0	1	0	0	0	0	1	22:00	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	22:15	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	22:30	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	23:00	0	0	0	0	0	0	0
11:15	0	0	0	1	0	0	1	23:15	0	0	0	1	0	0	1
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	0	0	0	1	0	0	1	23:45	0	0	0	0	0	0	0
TOTAL	4	2	0	5	0	0	11	TOTAL	7	0	0	4	0	0	11

AM PEAK HOUR	9:15 AM
AM PEAK VOLUME	4

AM PEAK HOUR	1:45 PM
AM PEAK VOLUME	3

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	11	2	0	9	0	0	22
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	50.0%	9.1%	0.0%	40.9%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	24	3	0	19	0	0	46
CLASS 6	Buses	% OF TOTAL	52.2%	6.5%	0.0%	41.3%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023
JOB #: SC4085

CITY: San Diego
LOCATION: CLASS32 DWY2 south of Harmony Grove.WE.

AM TIME	OUT 1	2	3	4	5	6	TOTAL	PM Time	OUT 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	0	0	0	0	0	0	0
0:15	0	0	0	0	0	0	0	12:15	0	0	0	0	0	0	0
0:30	0	0	0	0	0	0	0	12:30	0	0	0	1	0	0	1
0:45	0	0	0	0	0	0	0	12:45	2	0	0	0	0	0	2
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	1	0	0	0	0	0	1	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	14:00	1	0	0	0	0	0	1
2:15	0	0	0	0	0	0	0	14:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	14:30	0	1	0	0	0	0	1
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	2	0	0	0	0	0	2
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0	15:30	0	0	0	1	0	0	1
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	1	0	0	0	0	0	1
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	1	0	0	1	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	4	0	0	4	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	1	0	0	0	0	0	1
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	0	0	0	0	0	0	0	20:45	0	0	0	0	0	0	0
9:00	1	0	0	0	0	0	1	21:00	0	0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	21:45	0	0	0	0	0	0	0
10:00	0	0	0	2	0	0	2	22:00	0	0	0	0	0	0	0
10:15	1	0	0	0	0	0	1	22:15	0	0	0	0	0	0	0
10:30	2	0	0	0	0	0	2	22:30	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	1	0	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	0	0	0	1	0	0	1	23:15	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	23:45	0	0	0	0	0	0	0
TOTAL	6	0	0	8	0	0	14	TOTAL	7	1	0	2	0	0	10

AM PEAK HOUR	10:00 AM
AM PEAK VOLUME	5

AM PEAK HOUR	3:00 PM
AM PEAK VOLUME	3

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	13	1	0	10	0	0	24
% OF TOTAL	54.2%	4.2%	0.0%	41.7%	0.0%	0.0%	100.0%

A13123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 14, 2023 CITY: San Diego

JOB #: SC4085 LOCATION: CLASS32 DWY2 south of Harmony Grove.WE.

AM	COMBINED							PM	COMBINED						
TIME	1	2	3	4	5	6	TOTAL	Time	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	0	0	0	0	0	0	0
0:15	0	0	0	0	0	0	0	12:15	1	0	0	0	0	0	1
0:30	0	0	0	0	0	0	0	12:30	0	0	0	1	0	0	1
0:45	0	0	0	0	0	0	0	12:45	3	0	0	0	0	0	3
1:00	0	1	0	0	0	0	1	13:00	1	0	0	0	0	0	1
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	1	0	0	0	0	0	1	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	0	0	0	1	0	0	1
2:00	0	0	0	0	0	0	0	14:00	1	0	0	0	0	0	1
2:15	0	0	0	0	0	0	0	14:15	0	0	0	2	0	0	2
2:30	0	0	0	0	0	0	0	14:30	0	1	0	0	0	0	1
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	2	0	0	0	0	0	2
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	1	0	0	0	0	0	1	15:30	0	0	0	1	0	0	1
3:45	0	0	0	0	0	0	0	15:45	1	0	0	0	0	0	1
4:00	0	0	0	0	0	0	0	16:00	2	0	0	0	0	0	2
4:15	0	0	0	0	0	0	0	16:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	1	0	0	1	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	4	0	0	4	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	1	0	0	0	0	0	1
6:15	0	0	0	0	0	0	0	18:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	19:00	1	0	0	0	0	0	1
7:15	1	0	0	0	0	0	1	19:15	0	0	0	0	0	0	0
7:30	1	0	0	0	0	0	1	19:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	20:15	1	0	0	0	0	0	1
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	1	0	0	0	0	0	1	20:45	0	0	0	0	0	0	0
9:00	1	0	0	0	0	0	1	21:00	0	0	0	0	0	0	0
9:15	0	0	0	1	0	0	1	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	0	0	0	0	0	0	0
9:45	0	0	0	2	0	0	2	21:45	0	0	0	0	0	0	0
10:00	0	1	0	2	0	0	3	22:00	0	0	0	0	0	0	0
10:15	1	0	0	0	0	0	1	22:15	0	0	0	0	0	0	0
10:30	2	0	0	0	0	0	2	22:30	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	22:45	0	0	0	0	0	0	0
11:00	1	0	0	0	0	0	1	23:00	0	0	0	0	0	0	0
11:15	0	0	0	2	0	0	2	23:15	0	0	0	1	0	0	1
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	0	0	0	1	0	0	1	23:45	0	0	0	0	0	0	0
TOTAL	10	2	0	13	0	0	25	TOTAL	14	1	0	6	0	0	21

AM PEAK HOUR	9:45 AM
AM PEAK VOLUME	8

AM PEAK HOUR	12:15 PM
AM PEAK VOLUME	6

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

	1	2	3	4	5	6	TOTAL
TOTAL: AM+PM	24	3	0	19	0	0	46
% OF TOTAL	52.2%	6.5%	0.0%	41.3%	0.0%	0.0%	100.0%

Tuesday, June 13, 2023 | CITY: San Diego | PROJECT: SC4085

PB_31 DWY1 south of Harmony Grove. | **Prepared by AimTD LLC tel. 714 253 7888**

	PEDS				BIKES						PEDS				BIKES				
AM Period	IN		OUT		IN		OUT			PM Period	IN		OUT		IN		OUT		
0:00	0		0		0		0			12:00	0		0		0		0		
0:15	0		0		0		0			12:15	0		0		0		0		
0:30	0		0		0		0			12:30	0		0		0		0		
0:45	0	0	1	1	0	0	0	0	1	12:45	0	0	0	0	0	0	0	0	
1:00	1		1		0		0			13:00	1		0		0		0		
1:15	0		0		0		0			13:15	0		2		0		0		
1:30	0		0		0		0			13:30	0		0		0		0		
1:45	0	1	0	1	0	0	0	0	2	13:45	0	1	0	2	0	0	0	0	3
2:00	0		0		0		0			14:00	0		0		0		0		
2:15	0		0		0		0			14:15	0		0		0		0		
2:30	0		0		0		0			14:30	0		0		0		0		
2:45	0	0	0	0	0	0	0	0		14:45	0	0	0	0	0	0	0	0	
3:00	0		0		0		0			15:00	0		0		0		0		
3:15	0		0		0		0			15:15	0		0		0		0		
3:30	0		0		0		0			15:30	0		0		0		0		
3:45	0	0	0	0	0	0	0	0		15:45	0	0	0	0	0	0	0	0	
4:00	0		0		0		0			16:00	0		0		0		0		
4:15	0		0		0		0			16:15	0		0		0		0		
4:30	0		0		0		0			16:30	0		0		0		0		
4:45	0	0	0	0	0	0	0	0		16:45	0	0	0	0	0	0	0	0	
5:00	0		0		0		0			17:00	0		0		0		0		
5:15	0		0		0		0			17:15	0		0		0		0		
5:30	0		0		0		0			17:30	0		0		0		0		
5:45	0	0	0	0	0	0	0	0		17:45	0	0	0	0	0	0	0	0	
6:00	0		0		0		0			18:00	0		0		0		0		
6:15	0		0		0		0			18:15	0		0		0		0		
6:30	0		0		0		0			18:30	0		0		0		0		
6:45	0	0	0	0	0	0	0	0		18:45	0	0	0	0	0	0	0	0	
7:00	0		0		0		0			19:00	0		0		0		0		
7:15	0		0		0		0			19:15	0		0		0		0		
7:30	0		0		0		0			19:30	0		0		0		0		
7:45	0	0	0	0	0	0	0	0		19:45	0	0	0	0	0	0	0	0	
8:00	0		0		0		0			20:00	0		0		0		0		
8:15	0		0		0		0			20:15	0		0		0		0		
8:30	0		0		0		0			20:30	0		0		0		0		
8:45	0	0	0	0	0	0	0	0		20:45	0	0	0	0	0	0	0	0	
9:00	0		0		0		0			21:00	0		0		0		0		
9:15	0		0		0		0			21:15	0		0		0		0		
9:30	0		0		0		0			21:30	0		0		0		0		
9:45	0	0	0	0	0	0	0	0		21:45	0	0	0	0	0	0	0	0	
10:00	0		0		0		0			22:00	0		0		0		0		
10:15	0		0		0		0			22:15	0		0		0		0		
10:30	0		0		0		0			22:30	0		0		0		0		
10:45	0	0	0	0	0	0	0	0		22:45	0	0	0	0	0	0	0	0	
11:00	1		1		0		0			23:00	0		0		0		0		
11:15	0		0		0		0			23:15	0		0		0		0		
11:30	0		0		0		0			23:30	0		0		0		0		
11:45	0	1	0	1	0	0	0	0	2	23:45	0	0	0	0	0	0	0	0	
Total Vol.		2		3		0		0	5			1		2		0		0	3

Daily Totals				
IN	OUT	IN	OUT	Combined
3	5	0	0	8

	AM					PM				
Split %	40.0%	60.0%	0.0%	0.0%	62.5%	33.3%	66.7%	0.0%	0.0%	37.5%
Peak Hour	0:15	0:15			0:15	12:15	12:30			12:30
Volume	1	2			3	1	2			3
P.H.F.	0.25	0.50			0.38		0.25			0.38

cs@aimtd.com Tell. 714 253 7888

Wednesday, June 14, 2023 CITY: San Diego PROJECT: SC4085

PB_31 DWY1 south of Harmony Grove. **Prepared by AimTD LLC tel. 714 253 7888**

	PEDS		BIKES				PEDS		BIKES			
AM Period	IN	OUT	IN	OUT			PM Period	IN	OUT	IN	OUT	
0:00	0	0	0	0			12:00	0	0	0	0	
0:15	0	0	0	0			12:15	0	0	0	0	
0:30	0	0	0	0			12:30	0	0	0	0	
0:45	0 0	1 1	0 0	0 0	1		12:45	0 0	0 0	0 0	0 0	
1:00	0	0	0	0			13:00	0	0	0	0	
1:15	0	0	0	0			13:15	0	0	0	0	
1:30	0	0	1	0			13:30	0	0	0	0	
1:45	0 0	0 0	0 1	0 0	1		13:45	0 0	0 0	0 0	0 0	
2:00	0	0	0	0			14:00	0	0	0	0	
2:15	0	0	0	0			14:15	0	0	0	0	
2:30	1	0	0	0			14:30	0	0	0	0	
2:45	0 1	0 0	0 0	0 0	1		14:45	0 0	0 0	0 0	0 0	
3:00	0	0	0	0			15:00	0	0	0	0	
3:15	0	1	0	0			15:15	0	0	0	0	
3:30	0	0	0	0			15:30	0	0	0	0	
3:45	0 0	0 1	0 0	0 0	1		15:45	0 0	0 0	0 0	0 0	
4:00	0	0	0	0			16:00	0	0	0	0	
4:15	0	0	0	0			16:15	0	0	0	0	
4:30	1	0	1	0			16:30	0	0	0	0	
4:45	0 1	0 0	1 2	0 0	3		16:45	0 0	0 0	0 0	0 0	
5:00	0	0	0	0			17:00	0	0	0	0	
5:15	0	0	0	0			17:15	0	0	0	0	
5:30	0	0	0	0			17:30	1	4	0	0	
5:45	0 0	0 0	0 0	0 0			17:45	0 1	0 4	0 0	0 0	5
6:00	0	0	0	0			18:00	2	0	0	0	
6:15	0	0	0	0			18:15	1	0	0	0	
6:30	0	0	0	0			18:30	0	0	0	0	
6:45	0 0	0 0	0 0	0 0			18:45	1 4	0 0	0 0	0 0	4
7:00	0	1	0	0			19:00	0	0	0	0	
7:15	0	0	0	0			19:15	0	0	0	0	
7:30	1	0	0	0			19:30	0	0	0	0	
7:45	0 1	1 2	0 0	0 0	3		19:45	0 0	0 0	0 0	0 0	
8:00	0	0	0	0			20:00	0	0	0	1	
8:15	0	0	0	0			20:15	0	0	0	0	
8:30	0	0	0	0			20:30	0	0	0	0	
8:45	0 0	0 0	0 0	0 0			20:45	0 0	0 0	0 0	0 1	1
9:00	0	0	0	0			21:00	0	0	0	0	
9:15	0	0	0	0			21:15	0	0	0	0	
9:30	0	0	0	0			21:30	0	0	0	0	
9:45	0 0	1 1	0 0	0 0	1		21:45	0 0	0 0	0 0	0 0	
10:00	0	0	0	0			22:00	0	0	0	0	
10:15	0	0	0	0			22:15	0	0	0	0	
10:30	0	0	0	0			22:30	0	0	0	0	
10:45	0 0	0 0	0 0	0 0			22:45	0 0	0 0	0 0	0 0	
11:00	0	0	0	0			23:00	0	0	0	0	
11:15	0	0	0	0			23:15	0	0	0	0	
11:30	0	1	0	0			23:30	0	0	0	0	
11:45	0 0	0 1	0 0	0 0	1		23:45	0 0	0 0	0 0	0 0	
Total Vol.	3	6	3	0	12			5	4	0	1	10

Daily Totals				
IN	OUT	IN	OUT	Combined
8	10	3	1	22

	AM					PM				
Split %	25.0%	50.0%	25.0%	0.0%	54.5%	50.0%	40.0%	0.0%	10.0%	45.5%
Peak Hour	1:45	7:00	4:00		4:00	17:30	16:45		19:15	17:30
Volume	1	2	2		3	4	4		1	8
P.H.F.	0.25	0.50	0.50		0.38	0.63	0.25		0.25	0.40

cs@aimtd.com Tell. 714 253 7888

Tuesday, June 13, 2023 | CITY: San Diego | PROJECT: SC4085

PB_32 DWY2 south of Harmony Grove. | **Prepared by AimTD LLC tel. 714 253 7888**

	PEDS		BIKES			PEDS		BIKES		
AM Period	IN	OUT	IN	OUT		PM Period	IN	OUT	IN	OUT	
0:00	0	0	0	0		12:00	0	0	0	0	
0:15	0	0	0	0		12:15	0	0	0	0	
0:30	0	0	0	0		12:30	0	0	0	0	
0:45	1 1	0 0	0 0	0 0	1	12:45	0 0	0 0	0 0	0 0	
1:00	0	0	0	0		13:00	0	0	0	0	
1:15	0	0	0	0		13:15	0	0	0	0	
1:30	0	0	0	0		13:30	0	0	0	0	
1:45	0 0	0 0	0 0	0 0		13:45	0 0	0 0	0 0	0 0	
2:00	0	0	0	1		14:00	0	0	0	0	
2:15	2	2	0	0		14:15	0	0	0	0	
2:30	0	0	0	0		14:30	0	1	0	0	
2:45	0 2	0 2	0 0	0 1	5	14:45	0 0	0 1	0 0	0 0	1
3:00	0	0	0	0		15:00	0	0	0	0	
3:15	0	0	0	0		15:15	0	0	0	0	
3:30	0	0	0	0		15:30	0	0	0	0	
3:45	0 0	0 0	0 0	0 0		15:45	0 0	0 0	0 0	0 0	
4:00	0	0	0	0		16:00	0	0	0	0	
4:15	0	0	0	0		16:15	0	0	0	0	
4:30	0	0	0	0		16:30	0	0	0	0	
4:45	0 0	0 0	0 0	0 0		16:45	0 0	0 0	0 0	0 0	
5:00	0	0	0	0		17:00	0	0	0	0	
5:15	0	0	0	0		17:15	0	0	0	0	
5:30	0	0	0	0		17:30	0	0	1	0	
5:45	0 0	0 0	0 0	0 0		17:45	0 0	0 0	0 1	0 0	1
6:00	0	0	0	0		18:00	0	0	0	0	
6:15	0	0	0	0		18:15	0	0	0	0	
6:30	0	0	0	0		18:30	0	0	0	0	
6:45	0 0	0 0	0 0	0 0		18:45	0 0	0 0	0 0	0 0	
7:00	0	0	0	0		19:00	0	0	0	0	
7:15	0	0	0	0		19:15	0	0	0	0	
7:30	0	0	0	0		19:30	1	0	0	0	
7:45	0 0	0 0	0 0	0 0		19:45	0 1	0 0	0 0	0 0	1
8:00	0	0	0	0		20:00	0	0	0	0	
8:15	0	0	0	0		20:15	0	0	0	0	
8:30	2	0	0	0		20:30	0	0	0	2	
8:45	0 2	0 0	0 0	0 0	2	20:45	0 0	0 0	2 2	0 2	4
9:00	0	0	0	0		21:00	0	0	0	0	
9:15	0	0	0	0		21:15	0	0	0	0	
9:30	0	0	0	0		21:30	0	0	0	0	
9:45	0 0	0 0	0 0	0 0		21:45	0 0	0 0	0 0	0 0	
10:00	0	0	0	0		22:00	0	0	0	0	
10:15	0	0	0	0		22:15	0	0	0	0	
10:30	0	0	0	0		22:30	0	1	0	0	
10:45	0 0	0 0	0 0	0 0		22:45	0 0	0 1	0 0	1 1	2
11:00	0	0	0	0		23:00	0	0	0	0	
11:15	0	0	0	0		23:15	0	0	0	0	
11:30	0	0	0	0		23:30	0	0	0	0	
11:45	0 0	0 0	0 0	0 0		23:45	0 0	0 0	0 0	0 0	
Total Vol.	5	2	0	1	8		1	2	3	3	9

Daily Totals				
IN	OUT	IN	OUT	Combined
6	4	3	4	17

	AM					PM				
Split %	62.5%	25.0%	0.0%	12.5%	47.1%	11.1%	22.2%	33.3%	33.3%	52.9%
Peak Hour	1:30	1:30		1:15	1:30	18:45	13:45	20:00	19:45	20:00
Volume	2	2		1	5	1	1	2	2	4
P.H.F.	0.25	0.25		0.25	0.31		0.25	0.25	0.25	0.50

cs@aimtd.com Tell. 714 253 7888

Wednesday, June 14, 2023 CITY: San Diego PROJECT: SC4085

PB_32 DWY2 south of Harmony Grove. **Prepared by AimTD LLC tel. 714 253 7888**

	PEDS				BIKES						PEDS				BIKES					
AM Period	IN		OUT		IN		OUT				PM Period	IN		OUT		IN		OUT			
0:00	0		0		0		0				12:00	0		0		0		0			
0:15	0		0		0		0				12:15	0		0		0		0			
0:30	0		0		0		0				12:30	0		0		0		0			
0:45	0	0	0	0	0	0	0	0			12:45	0	0	0	0	0	0	0	0		
1:00	0		0		0		0				13:00	0		0		0		0			
1:15	0		0		0		0				13:15	0		0		0		0			
1:30	0		0		0		1				13:30	0		0		0		0			
1:45	1	1	0	0	0	0	1	2	3		13:45	0	0	0	0	0	0	0	0		
2:00	0		0		0		0				14:00	0		0		0		0			
2:15	0		0		0		0				14:15	0		0		0		0			
2:30	0		0		0		0				14:30	0		0		0		0			
2:45	0	0	0	0	0	0	0	0			14:45	0	0	0	0	0	0	0	0		
3:00	2		0		0		1				15:00	0		0		0		0			
3:15	0		0		0		0				15:15	0		0		0		0			
3:30	0		0		0		0				15:30	0		2		0		0			
3:45	0	2	0	0	0	0	0	1	3		15:45	0	0	0	2	0	0	0	0	2	
4:00	0		0		0		0				16:00	0		0		0		0			
4:15	0		0		0		0				16:15	0		0		0		0			
4:30	0		0		0		0				16:30	0		0		0		0			
4:45	0	0	0	0	0	0	0	0			16:45	0	0	0	0	0	0	0	0		
5:00	0		0		0		0				17:00	0		0		0		0			
5:15	0		0		0		0				17:15	0		0		0		0			
5:30	0		0		0		0				17:30	0		0		0		0			
5:45	0	0	0	0	0	0	0	0			17:45	0	0	0	0	0	0	0	0		
6:00	0		0		0		0				18:00	0		0		0		0			
6:15	0		0		0		0				18:15	0		0		0		0			
6:30	0		0		0		0				18:30	0		0		0		0			
6:45	0	0	0	0	0	0	0	0			18:45	0	0	0	0	0	0	0	0		
7:00	0		0		0		0				19:00	0		0		0		1			
7:15	0		0		0		0				19:15	0		0		0		0			
7:30	0		0		0		0				19:30	0		0		0		1			
7:45	0	0	0	0	0	0	0	0			19:45	0	0	0	0	0	0	0	2	2	
8:00	0		0		0		0				20:00	0		0		1		0			
8:15	0		0		0		0				20:15	0		0		0		0			
8:30	0		0		0		0				20:30	0		0		0		0			
8:45	1	1	0	0	0	0	0	0	1		20:45	0	0	0	0	0	1	0	0	1	
9:00	0		0		0		0				21:00	0		1		0		0			
9:15	0		0		0		0				21:15	0		0		0		0			
9:30	0		0		0		0				21:30	0		0		0		0			
9:45	0	0	0	0	0	0	0	0			21:45	0	0	0	1	0	0	0	0	1	
10:00	0		0		0		0				22:00	0		0		0		0			
10:15	0		0		0		0				22:15	0		0		0		0			
10:30	0		0		0		0				22:30	0		0		0		0			
10:45	0	0	0	0	0	0	0	0			22:45	0	0	0	0	0	0	0	0		
11:00	0		0		0		0				23:00	0		0		0		0			
11:15	0		0		0		0				23:15	0		0		0		0			
11:30	0		0		0		0				23:30	0		0		0		0			
11:45	0	0	0	0	0	0	0	0			23:45	0	0	0	0	0	0	0	0		
Total Vol.	4		0		0		3		7			0		3		1		2		6	

Daily Totals				
IN	OUT	IN	OUT	Combined
4	3	1	5	13

	AM						PM				
Split %	57.1%	0.0%	0.0%	42.9%	53.8%		0.0%	50.0%	16.7%	33.3%	46.2%
Peak Hour	2:15			1:00	1:00			14:45	19:15	18:45	14:45
Volume	2			2	3			2	1	2	2
P.H.F.	0.25			0.50	0.38			0.25	0.25	0.50	0.25

cs@aimtd.com Tell. 714 253 7888

Attachment B

Cumulative Projects Information

List of Cumulative Projects to be included in Near Term Analysis of Proposed Project

ID No.	City ID.	Project	Status	Address	Location	Landuse/Description
1	25	Southwest Signal Building	Pending entitlement	10756 Rockvill Street	southest quadrant of Magnolia Avenue and Woodside Avenue	20,000 SF industrial building
2	23	Lantern Crest Ridge II	Under construction	11000 Sunset Trail	north of Sunset trail	62-unit memory care facility
3	38	Habitat for Humanity Townhomes	Pending entitlement	8932 First Street	Northwest quadrant of Magnolia Avenue and Woodside Avenue	17 residential condominium units
4	36	Santee Auto Center	Pending entitlement	10335 Mission Gorge Road	southeast quadrant of Cottonwood Avenue and Woodside Avenue	two-car dealerships, auto body shop, and car wash
5	21	Popeyes	Under construction	10308 Mission Gorge Road	northeast quadrant of Cottonwood Avenue and Woodside Avenue	1,740 SF drive-through restaurant
6	39	Super Star Car Wash	Pending entitlement	8837 Magnolia Avenue	northeast quadrant of Magnolia Avenue and Rockwill Street	4,980 sq. ft car wash tunnel
7	20	Extra Space Storage	Pending entitlement	10815 Woodside Avenue	north of Woodside Avenue and Riderwood Terrace intersection	88,390 sq ft (3-story) storage building
8	County/ PDS2022-TM-5023TE	Hillside Meadows/Parkside	To be confirmed	Lakeside 92040	north and south of the western terminus of Mast Boulevard, east of the City of Santee, and south of El Nopal,	143 residential units and two industrial lots
9	County/ EA 11-43118	Riverford Interchange	Pending entitlement- The project anticipates delivering the Project Approval and Environmental Document (PA&ED) on 1/17/25	SR-67 and Riverford Road	unincorporated area of San Diego County within the Community of Lakeside and a portion in the City of Santee	Consolidate three intersections into two roundabouts along Riverford Road on either side of the SR-67

Attachment C

VMT Scoping Form

Appendix A: CEQA Transportation Analysis Screening Form

CEQA Transportation Analysis Screening

The Project Information Form (PIF) is to be completed by the applicant. The PIF is subject to change as new project information arises.

General Project Information and Description

Owner/Applicant Information

Name:	William Jacobs
Address:	
Phone Number:	(626) 840-7570
Email:	william.jacobs@northpalisade.com

Project Information

Project Name:	Palisade Santee Commerce Center Project		
Project Address:	10990 N. Woodside Avenue		
APN:	381-070-5200		
Land Use Designation:	Light Industrial	Zoning Designation:	Light Industrial

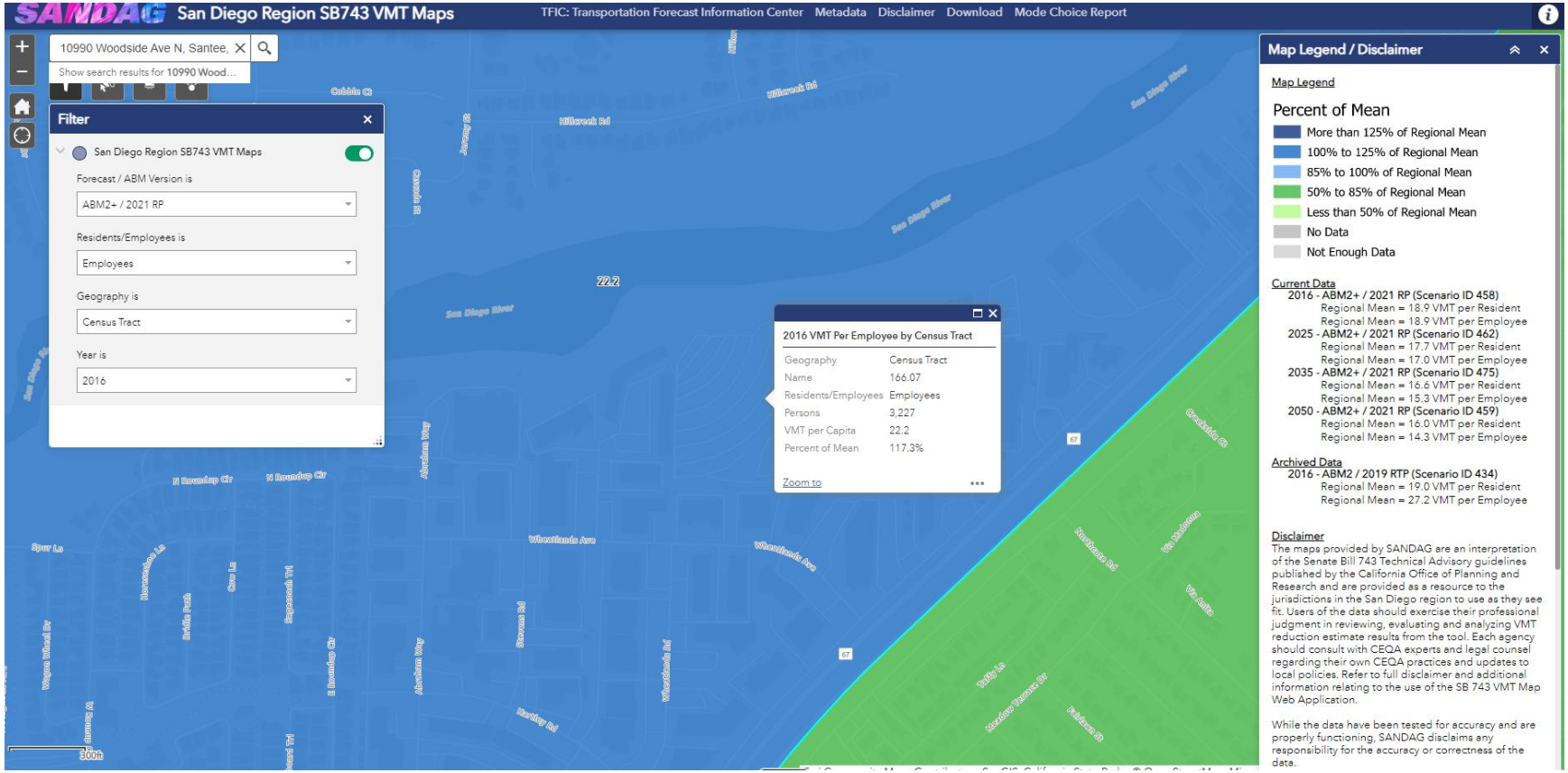
CEQA Transportation Analysis Screening

To determine if your project is screened from VMT analysis, review the Project Type Screening and the Project Location Screening tables below. If no "Yes" is checked for any project type or land use applicable to your project, the project is not screened out and must complete VMT analysis in accordance with the analysis requirements outline in the City of Santee *SB 743 Guidelines*. Trip generation should be supported by a memo prepared by a traffic engineer.

Project Type Screening

	Screened Out	Not Screened Out
1. Select the Screening Criteria that applies to your project 2. Answer the questions for each screening criteria that applies to your project *(if "Yes" is indicated in any land use category below, then that land use (or a portion of the land use) is screened from CEQA Transportation Analysis)* *Note: All responses must be documented and supported by substantial evidence.*	Yes	No
☐ **1. Project located in a transit accessible area** a. Is the project in a transit priority area or within ½ mile of a stop along a high-quality transit corridor, and has the following project characteristics? i. Has a Floor Area Ratio (FAR) of more than 0.75 ii. Includes no more than the minimum parking for use by residents, customers, or employees of the project than required by the jurisdiction iii. Is consistent with the City of Santee General Plan iv. Does not replace affordable residential units with moderate- or high-income residential units. v. Have basic walking and biking access to transit	☐	☐ No
☐ **2. Small Project** a. The project generates 500 or fewer net new daily vehicle trips	☐	☐ No

☐	**3. Projects in VMT-Efficient area (Provide SANDAG screening map showing project location)** a. Residential Projects: Is the project located in a VMT-efficient area (15% or more below the baseline citywide average) using the SANDAG screening maps for VMT/Capita? b. Employment Projects: Is the project located in a VMT-efficient area (15% or more below the baseline citywide average) using the SANDAG screening maps for VMT/Employee? c. Industrial Projects: Is the project located in a VMT-efficient area (at or below the baseline citywide average) using the SANDAG screening maps for VMT/Employee? d. Mixed-use Projects: refer to the appropriate section for each land-use included as part of the mixed-use project	☐	☐ No
☐	**4. Locally Serving Retail Projects** a. Is the project less than 125 ksf and serving the local community?The City may request a market capture study that identifies local market capture to the City's satisfaction. (for Retail Projects above 50 ksf, market studies may be required to demonstrate that at least 75% of customers are local customers)	☐	☐ No
☐	**5. Locally Serving Public Facility or Community Purpose Facility** a. Is the project a public facility or Community Purpose Facility that serves the local community? (see section 2.3 of VMT analysis guidelines for a list of public facilities)	☐	☐ No
☐ Yes	**6. Redevelopment Project** a. Is the proposed project's total project VMT less than the existing land use's total VMT? And the CEQA action includes closing the existing land use?	☐ Yes	☐
☐	**7. Infill affordable housing** a. Is the proposed project a deed restricted affordable housing project that meet the following criteria? i. Is an infill project; ii. Consists of a minimum of 52% affordable housing; iii. Is within ½ mile radius of a transit stop or station; and iv. Project provided parking does not exceed parking required by the City of Santee	☐	☐


SANDAG San Diego Region SB743 VMT Maps
TFIC: Transportation Forecast Information Center
Metadata
Disclaimer
Download
Mode Choice Report
10990 Woodside Ave N, Santee,
Show search results for 10990 Wood...
Filter
San Diego Region SB743 VMT Maps
Forecast / ABM Version is
ABM2+ / 2021 RP
Residents/Employees is
Employees
Geography is
Census Tract
Year is
2016
22.2
2016 VMT Per Employee by Census Tract
Geography Census Tract
Name 166.07
Residents/Employees Employees
Persons 3,227
VMT per Capita 22.2
Percent of Mean 117.3%
Zoom to
Map Legend / Disclaimer
Map Legend
Percent of Mean
More than 125% of Regional Mean
100% to 125% of Regional Mean
85% to 100% of Regional Mean
50% to 85% of Regional Mean
Less than 50% of Regional Mean
No Data
Not Enough Data
Current Data
2016 - ABM2+ / 2021 RP (Scenario ID 458)
Regional Mean = 18.9 VMT per Resident
Regional Mean = 18.9 VMT per Employee
2025 - ABM2+ / 2021 RP (Scenario ID 462)
Regional Mean = 17.7 VMT per Resident
Regional Mean = 17.0 VMT per Employee
2035 - ABM2+ / 2021 RP (Scenario ID 475)
Regional Mean = 16.6 VMT per Resident
Regional Mean = 15.3 VMT per Employee
2050 - ABM2+ / 2021 RP (Scenario ID 459)
Regional Mean = 16.0 VMT per Resident
Regional Mean = 14.3 VMT per Employee
Archived Data
2016 - ABM2 / 2019 RTP (Scenario ID 434)
Regional Mean = 19.0 VMT per Resident
Regional Mean = 27.2 VMT per Employee
Disclaimer
The maps provided by SANDAG are an interpretation of the Senate Bill 743 Technical Advisory guidelines published by the California Office of Planning and Research and are provided as a resource to the jurisdictions in the San Diego region to use as they see fit. Users of the data should exercise their professional judgment in reviewing, evaluating and analyzing VMT reduction estimate results from the tool. Each agency should consult with CEQA experts and legal counsel regarding their own CEQA practices and updates to local policies. Refer to full disclaimer and additional information relating to the use of the SB 743 VMT Map Web Application.
While the data have been tested for accuracy and are properly functioning, SANDAG disclaims any responsibility for the accuracy or correctness of the data.
300ft

Appendix B
VMT Mitigation Measures

FEHR & PEERS

Trip Reduction Programs - T-7. Implement Commute Trip Reduction Marketing

Locational Context	**Urban, Suburban**
Scale of Application	**Project/Site**
Type of VMT affected:	**Employee commute trips**
Max VMT reduction:	**4.00%**

This measure will implement a marketing strategy to promote the project site employer's CTR program. Information sharing and marketing promote and educate employees about their travel choices to the employment location beyond driving such as carpooling, taking transit, walking, and biking, thereby reducing VMT and GHG emissions.

The following features (or similar alternatives) of the marketing strategy are essential for effectiveness.

- Onsite or online commuter information services.
- Employee transportation coordinators.
- Onsite or online transit pass sales.
- Guaranteed ride home service.

Percent of employees eligible for program	100.0%	**percent**	user input (default value = 0-1)
Percent reduction in employee commute vehicle trips	-4.0%	**percent**	constant (default value = -0.04)
Adjustment from vehicle trips to VMT	1.000	**unitless**	constant (default value = 1)
Change in VMT	**-4.00%**	**percent reduction**	

Formula: % Change in VMT = Percent of employees eligible for program * Percent reduction in employee commute vehicle trips

Sources:

(1) Transportation Research Board (TRB). 2010. Traveler Response to Transportation System Changes Handbook, Third Edition: Chapter 19, Employer and Institutional TDM Strategies. June. Available: http://www.trb.org/Publications/Blurbs/163781.aspx. Accessed: January 2021.

FEHR & PEERS

Trip Reduction Programs - T-8. Provide Ridesharing Program

Locational Context	**Urban, Suburban**
Scale of Application	**Project/Site**
Type of VMT affected:	**Employee commute trips**
Max VMT reduction:	**8.00%**

This measure will implement a ridesharing program and establish a permanent transportation management association with funding requirements for employers. Ridesharing encourages carpooled vehicle trips in place of single-occupied vehicle trips, thereby reducing the number of trips, VMT, and GHG emissions.

Ridesharing must be promoted through a multi-faceted approach.
Examples include the following.

- Designating a certain percentage of desirable parking spaces for ridesharing vehicles.
- Designating adequate passenger loading and unloading and waiting areas for ridesharing vehicles.
- Providing an app or website for coordinating rides.

Select the Place Type for the project.	Suburban		Appendix C. T-7.1
Percent of employees eligible for program	100.0%	**percent**	user input (default value = 0-1)
Percent reduction in employee commute VMT	-4.0%	**percent**	constant (default value = -0.04--0.08)
Change in VMT	**-4.00%**	**percent reduction**	

Formula: % Change in VMT = Percent of employees eligible for program * Percent reduction in employee commute VMT

Sources:
(1) San Diego Association of Governments (SANDAG). 2019. Mobility Management VMT Reduction Calculator Tool–Design Document. June. Available: https://www.icommutesd.com/docs/defaultsource/planning/tool-design-document_final_7-17-19.pdf?sfvrsn=ec39eb3b_2. Accessed: January 2021.

FEHR & PEERS

Trip Reduction Programs - T-9-B. Implement Subsidized or Discounted Transit Program - Work Trips Only

Locational Context **Urban, Suburban**
Scale of Application **Project/Site**
Type of VMT affected: **Employee commute trips**
Max VMT reduction: **5.50%**

This measure will provide subsidized or discounted, or free transit passes for employees. Reducing the out-of-pocket cost for choosing transit improves the competitiveness of transit against driving, increasing the total number of transit trips and decreasing vehicle trips. This decrease in vehicle trips results in reduced VMT and thus a reduction in GHG emissions. The project should be accessible either within 1 mile of high-quality transit service (rail or bus with headways of less than 15 minutes), 0.5 mile of local or less frequent transit service, or along a designated shuttle route providing last-mile connections to rail service. If a well-established bikeshare service (Measure T-22-A) is available, the site may be located up to 2 miles from a high-quality transit service.

Select the Core-Based Statistical Area for the project.	San Diego-Carlsbad		Appendix C. T-8.1
Average transit fare without subsidy	$2.50	dollar	user input (default value = 0-1000)
Subsidy amount	$2.50	dollar	user input (default value = 0-1000)
Percent of employees/residents eligible for subsidy	100.0%	percent	user input (default value = 0-1)
Percent of project-generated VMT from employees/residents	72.5%	percent	user input (default value = 0-1)
Transit mode share of all work trips	4.7%	percent	optional (default value = 0.0112-0.256)
Elasticity of transit boardings with respect to transit fare price	-0.430	unitless	constant (default value = -0.43)
Percent of transit trips that would otherwise be made in a vehicle	50.0%	percent	constant (default value = 0.5)
Conversion factor of vehicle trips to VMT	1.000	unitless	constant (default value = 1)
Change in VMT	**-0.74%**	**percent reduction**	

Formula: % Change in VMT = (Subsidy amount / Average transit fare without subsidy * Elasticity of transit boardings with respect to transit fare price) * Percent of employees/residents eligible for subsidy * Percent of project-generated VMT from employees/residents * Transit mode share of all work trips * Percent of transit trips that would otherwise be made in a vehicle * Conversion factor of vehicle trips to VMT

Sources:

(1) Federal Highway Administration (FHWA). 2017. National Household Travel Survey – 2017 Table Designer. Travel Day PMT by TRPTRANS by HH_CBSA, Workers by WRKTRANS by HH_CBSA. Available: https://nhts.ornl.gov/. Accessed: January 2021.

(2) Handy, L., Boarnet, S. 2013. Impacts of Transit Service Strategies on Passenger Vehicle Use and Greenhouse Gas Emissions. Available: http://www.arb.ca.gov/cc/sb375/policies/transitservice/transit_brief.pdf. Accessed: January 2021.

(3) Litman, T. 2020a. Transit Price Elasticities and Cross-elasticities. Victoria Transport Policy Institute. April. Available: https://www.vtpi.org/tranelas.pdf. Accessed: January 2021.

(4) Taylor, B., Miller, D., Iseki, H., & Fink, C. 2008. Nature and/or Nurture? Analyzing the Determinants of Transit Ridership Across US Urbanized Areas. Transportation Research Part A: Policy and Practice, 43(1), 60-77. Available: https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.367.5311&rep=rep1&type=pdf. Accessed: January 2021.

FEHR & PEERS

Trip Reduction Programs - T-10. Provide End-of-Trip Bicycle Facilities

Locational Context **Urban, Suburban**
Scale of Application **Project/Site**
Type of VMT affected: **Employee commute trips**
Max VMT reduction: **4.40%**

This measure will install and maintain end-of-trip facilities for employee use. End-of-trip facilities include bike parking, bike lockers, showers, and personal lockers. The provision and maintenance of secure bike parking and related facilities encourages commuting by bicycle, thereby reducing VMT and GHG emissions.

Select the Core-Based Statistical Area for the project.	San Diego-Carlsbad		Appendix C. T-9.1
Bike mode adjustment factor	4.860	**unitless**	constant (default value = 1.78-4.86)
Existing bicycle trip length for all trips in region	2.0	**mile**	optional (default value = 1.7-2.9)
Existing vehicle trip length for all trips in region	19.1	**mile**	optional (default value = 9.7-19.1)
Existing bicycle mode share for work trips in region	1.3%	**percent**	optional (default value = 0.004-0.041)
Existing vehicle mode share for work trips in region	91.8%	**percent**	optional (default value = 0.671-0.953)
Change in VMT	-0.57%	**percent reduction**	

Formula: % Change in VMT = (Existing bicycle trip length for all trips in region * (Existing bicycle mode share for work trips in region - (Bike mode adjustment factor * Existing bicycle mode share for work trips in region))) / (Existing vehicle trip length for all trips in region * Existing vehicle mode share for work trips in region)

Sources:

(1) Buehler, R. 2012. Determinants of bicycle commuting in the Washington, DC region: The role bicycle parking, cyclist showers, and free car parking at work. Transportation Research Part D, 17, 525– 531. Available: http://www.pedbikeinfo.org/cms/downloads/DeterminantsofBicycleCommuting.pdf. Accessed: January 2021.

(2) Federal Highway Administration (FHWA). 2017a. National Household Travel Survey – 2017 Table Designer. Travel Day PT by TRPTRANS by HH_CBSA. Available: https://nhts.ornl.gov/. Accessed: January 2021.

(3) Federal Highway Administration (FHWA). 2017b. National Household Travel Survey – 2017 Table Designer. Workers by WRKTRANS by HH_CBSA. Available: https://nhts.ornl.gov/. Accessed: January 2021.

FEHR PEERS

Neighborhood Design - T-18. Provide Pedestrian Network Improvement

Locational Context	**Urban, Suburban, Rural**
Scale of Application	**Plan/Community**
Type of VMT affected:	**Household trips**
Max VMT reduction:	**6.40%**

This measure will increase the sidewalk coverage to improve pedestrian access. Providing sidewalks and an enhanced pedestrian network encourages people to walk instead of drive. This mode shift results in a reduction in VMT and GHG emissions. The 'study area' should be based on a 1 KM buffer around the area where the pedestrian network is being improved. The VMT reduction is limited to household VMT.

Existing sidewalk length in study area	0.4	**mile**	user input (default value = 0-9999)
Sidewalk length in study area with measure	0.6	**mile**	user input (default value = 0-9999)
Elasticity of VMT with respect to the ratio of sidewalks-to-streets	-0.050	**unitless**	constant (default value = -0.05)
Change in VMT	**-2.51%**	**percent reduction**	

Formula: % Change in VMT = ((Sidewalk length in study area with measure / Existing sidewalk length in study area) - 1) * Elasticity of VMT with respect to the ratio of sidewalks-to-streets

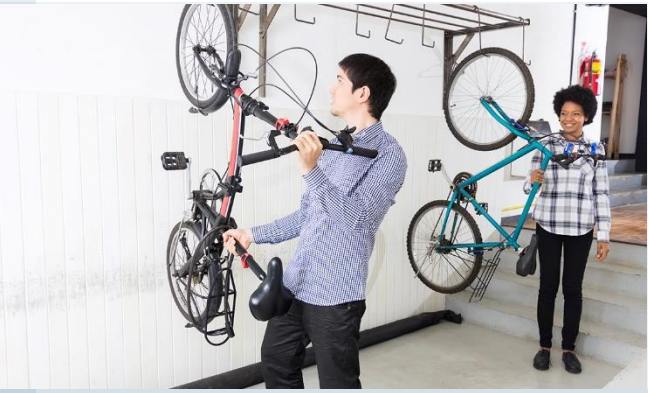
Sources:

(1) Federal Highway Administration (FHWA). 2019. 2017 National Household Travel Survey Popular Vehicle Trip Statistics. Available: https://nhts.ornl.gov/vehicle-trips. Accessed: January 2021.

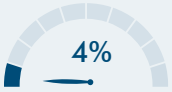
(2) Frank, L., M. Greenwald, S. Kavage, and A. Devlin. 2011. An Assessment of Urban Form and Pedestrian and Transit Improvements as an Integrated GHG Reduction Strategy. WSDOT Research Report WA-RD 765.1, Washington State Department of Transportation. April. Available: www.wsdot.wa.gov/research/reports/fullreports/765.1.pdf. Accessed: January 2021.

(3) Handy, S., S. Glan-Claudia, and M. Boarnet. 2014. Impacts of Pedestrian Strategies on Passenger Vehicle Use and Greenhouse Gas Emissions: Policy Brief. September. Available: https://ww2.arb.ca.gov/sites/default/files/2020- 06/Impacts_of_Pedestrian_Strategies_on_Passenger_Vehicle_Use_and_Greenhouse_Gas_Emissions_Policy_Brief.pdf. Accessed: January 2021.

T-5. Implement Commute Trip Reduction Program (Voluntary)



GHG Mitigation Potential



Up to 4.0% of GHG emissions from project/site employee commute VMT

Co-Benefits (icon key on pg. 34)

Climate Resilience

CTR programs could result in less traffic, potentially reducing congestion or delays on major roads during peak AM and PM traffic periods. When this reduction occurs during extreme weather events, it better allows emergency responders to access a hazard site. Lower transportation costs would also increase community resilience by freeing up resources for other purposes.

Health and Equity Considerations

Design of CTR programs need to ensure equitable access and benefits to all employees are provided considering disparate existing mobility options in diverse communities.

Measure Description

This measure will implement a voluntary commute trip reduction (CTR) program with employers. CTR programs discourage single-occupancy vehicle trips and encourage alternative modes of transportation such as carpooling, taking transit, walking, and biking, thereby reducing VMT and GHG emissions. Voluntary implementation elements are described in this measure.

Subsector

Trip Reduction Programs

Locational Context

Urban, suburban

Scale of Application

Project/Site

Implementation Requirements

Voluntary CTR programs must include the following elements to apply the VMT reductions reported in literature.

- Employer-provided services, infrastructure, and incentives for alternative modes such as ridesharing (Measure T-8), discounted transit (Measure T-9), bicycling (Measure T-10), vanpool (Measure T-11), and guaranteed ride home.
- Information, coordination, and marketing for said services, infrastructure, and incentives (Measure T-7).

Cost Considerations

Employer costs may include recurring costs for transit subsidies, capital and maintenance costs for the alternative transportation infrastructure, and labor costs for staff to manage the program. Where the local municipality has a VMT reduction ordinance, costs may include the labor costs for government staff to track the efficacy of the program.

Expanded Mitigation Options

Other strategies may also be included as part of a voluntary CTR program, though they are not included in the VMT reductions reported by literature and thus are not incorporated in the VMT reductions for this measure.

This program typically serves as a complement to the more effective workplace CTR measures such as pricing workplace parking (Measure T-12) or implementing employee parking "cash-out" (Measure T-13).

GHG Reduction Formula

$A = B \times C$

GHG Calculation Variables

ID	Variable	Value	Unit	Source
Output				
A	Percent reduction in GHG emissions from project/site employee commute VMT	0–4.0	%	calculated
User Inputs				
B	Percent of employees eligible for program	0–100	%	user input
Constants, Assumptions, and Available Defaults				
C	Percent reduction in commute VMT from eligible employees	-4	%	Boarnet et al. 2014

Further explanation of key variables:

- (B) – This refers to the percent of employees that would be able to participate in the program. Employees who might not be able to participate could include those who work nighttime hours when transit and rideshare services are not available or employees who are required to drive to work as part of their job duties. This input does not refer to the percent of employees who participate in the program.
- (C) – A policy brief summarizing the results of employer-based trip reduction studies concluded that these programs reduce total commute VMT for employees at participating work sites by 4 to 6 percent (Boarnet et al. 2014). To be conservative, the low end of the range is cited.

GHG Calculation Caps or Maximums

Measure Maximum

(A_{max}) The maximum GHG reduction from this measure is 4 percent. This maximum scenario is presented in the below example quantification.

Subsector Maximum

($\sum A_{max_{\text{T-5 through T-13}}} \leq 45\%$) This measure is in the Trip Reduction Programs subsector. This subcategory includes Measures T-5 through T-13. The employee commute VMT reduction from the combined implementation of all measures within this subsector is capped at 45 percent.

Mutually Exclusive Measures

If this measure is selected, the user may not also take credit for Measure T-6, which represents the same implementation activities as Measure T-5, except that the CTR program would be mandatory. Users should select either Measure T-5 or T-6.

If this measure is selected, the user may not also take credit for Measures T-7 through T-11. Measure T-5 accounts for the combined GHG reductions achieved by each of these individual measures. To combine the GHG reductions from T-5 with any of these measures would be considered double counting. However, the user may take credit for Measures T-12 through T-13 within the larger CTR subcategory, so long as the combined VMT reduction does not exceed 45 percent, as noted above.

Example GHG Reduction Quantification

The user reduces employee commute VMT by requiring that employers of a project offer a voluntary commute trip reduction program to their employees. In this example, the percent of employees eligible (B) is 100 percent, which would reduce GHG emissions from employee commute VMT by 4 percent.

$$A = 100\% \times -4\% = -4\%$$

Quantified Co-Benefits

Improved Local Air Quality

The percent reduction in GHG emissions (A) would be the same as the percent reduction in NO_X, CO, NO_2, SO_2, and PM. Reductions in ROG emissions can be calculated by multiplying the percent reduction in GHG emissions (A) by an adjustment factor of 87 percent. See *Adjusting VMT Reductions to Emission Reductions* above for further discussion.

Energy and Fuel Savings

The percent reduction in vehicle fuel consumption would be the same as the percent reduction in GHG emissions (A).

VMT Reductions

The percent reduction in VMT would be the same as the percent reduction in GHG emissions (A).

Sources

- Boarnet, M., H. Hsu, and S. Handy. 2014. *Impacts of Employer-Based Trip Reduction Programs and Vanpools on Passenger Vehicle Use and Greenhouse Gas Emissions*. September. Available: https://ww2.arb.ca.gov/sites/default/files/2020-06/Impacts_of_Employer-Based_Trip_Reduction_Programs_and_Vanpools_on_Passenger_Vehicle_Use_and_Greenhouse_Gas_Emissions_Policy_Brief.pdf. Accessed: January 2021.

T-6. Implement Commute Trip Reduction Program (Mandatory Implementation and Monitoring)

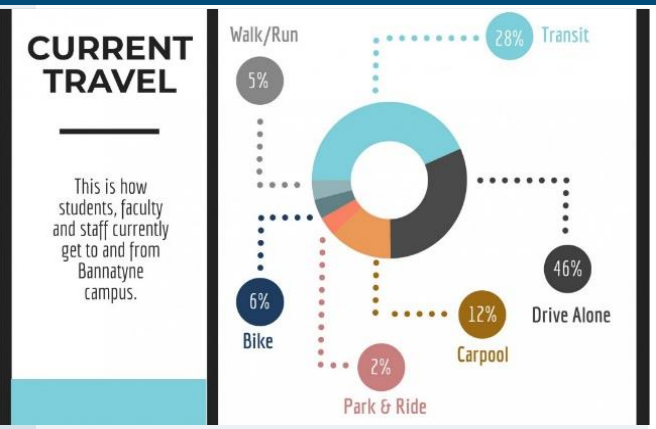


Photo Credit: University of Manitoba, 2018

GHG Mitigation Potential

Up to 26.0% of GHG emissions from project/site employee commute VMT

Co-Benefits (icon key on pg. 34)

Climate Resilience

Commute trip reduction programs could result in less traffic, potentially reducing congestion or delays on major roads during peak AM and PM traffic periods. When this reduction occurs during extreme weather events, it better allows emergency responders to access a hazard site. Lower transportation costs would also increase community resilience by freeing up resources for other purposes.

Health and Equity Considerations

Design of CTR programs needs to consider existing mobility options in diverse communities and ensure equitable access and benefit to all employees.

Measure Description

This measure will implement a mandatory CTR program with employers. CTR programs discourage single-occupancy vehicle trips and encourage alternative modes of transportation such as carpooling, taking transit, walking, and biking, thereby reducing VMT and GHG emissions.

Subsector

Trip Reduction Programs

Locational Context

Urban, suburban

Scale of Application

Project/Site

Implementation Requirements

The mandatory CTR program must include all other elements (i.e., Measures T-7 through T-11) described for the voluntary program (Measure T-5) plus include mandatory trip reduction requirements (including penalties for non-compliance) and regular monitoring and reporting to ensure the calculated VMT reduction matches the observed VMT reduction.

Cost Considerations

Employer costs may include recurring, direct costs for transit subsidies, capital and maintenance costs for alternative transportation infrastructure, and labor costs for staff to manage the program. If the local municipality has a mandatory VMT reduction ordinance, additional employer costs could include non-compliance penalties if the municipality fines CTR programs that do not meet a VMT goal. Municipal costs may include the labor costs for government staff to track the efficacy of the program, which may be outweighed by revenue generated from fines collected from non-compliant businesses.

Expanded Mitigation Options

This program typically serves as a complement to the more effective workplace CTR measures, such as pricing workplace parking (Measure T-12) or implementing employee parking "cash-out" (Measure T-13).

GHG Reduction Formula

$A = B \times C \times D$

GHG Calculation Variables

ID	Variable	Value	Unit	Source
Output				
A	Percent reduction in GHG emissions from project/site employee commute VMT	0–26.0	%	calculated
User Inputs				
B	Percent of employees eligible for program	0–100	%	user input
Constants, Assumptions, and Available Defaults				
C	Percent reduction in vehicle mode share of employee commute trips	-26	%	Nelson\Nygaard Consulting Associates 2015
D	Adjustment from vehicle mode share to commute VMT	1	unitless	assumed

Further explanation of key variables:

- (B) – This refers to the percent of employees that would be able to participate in the program. This will usually be 100 percent. Employees who might not be able to participate could include those who work nighttime hours when transit and rideshare services are not available or employees who are required to drive to work as part of their job duties. This input does not refer to the percent of employees who participate in the program.
- (C) – A multiyear study of mode share on Genentech's South San Francisco campuses tracked the long-run change in employee commute mode share with implementation of mandatory CTR. Between 2006 and 2014, employee vehicle mode share (includes single-occupied vehicles and carpools) decreased from approximately 90 percent to 64 percent, which is a 26 percent reduction (Nelson\Nygaard Consulting Associates 2015).
- (D) – The adjustment factor from vehicle mode share to commute VMT is 1. This assumes that all vehicle trips will average out to typical trip length. Thus, it can be assumed that a percentage reduction in vehicle trips will equal the same percentage reduction in VMT.

GHG Calculation Caps or Maximums

Measure Maximum

(A_{max}) The maximum GHG reduction from this measure is 26 percent. This maximum scenario is presented in the below example quantification.

Subsector Maximum

($\sum A_{max_{T\text{-}5 \text{ through } T\text{-}13}} \leq 45\%$) This measure is in the Trip Reduction Programs subsector. This subcategory includes Measures T-5 through T-13. The employee commute VMT reduction from the combined implementation of all measures within this subsector is capped at 45 percent.

Mutually Exclusive Measures

If this measure is selected, the user may not also take credit for Measure T-5, which represents the same implementation activities as Measure T-5, except that the CTR program would be mandatory. Users should select either Measure T-5 or T-6.

If this measure is selected, the user may not also take credit for Measures T-7 through T-11. Measure T-6 accounts for the combined GHG reductions achieved by each of these individual measures. To combine the GHG reductions from T-6 with any of these measures would be considered double counting. However, the user may take credit for Measure T-12 and T-13 within the larger CTR subcategory, so long as the combined VMT reduction does not exceed 45 percent, as noted above.

Example GHG Reduction Quantification

The user reduces employee commute VMT by requiring that the employer of the proposed project offer a mandatory CTR program to their employees. In this example, the percent of employees eligible (B) is 100 percent, which would reduce GHG emissions from employee commute VMT by 26 percent.

$$A = 100\% \times -26\% \times 1 = -26\%$$

Quantified Co-Benefits

Improved Local Air Quality

The percent reduction in GHG emissions (A) would be the same as the percent reduction in NO_X, CO, NO_2, SO_2, and PM. Reductions in ROG emissions can be calculated by multiplying the percent reduction in GHG emissions (A) by an adjustment factor of 87 percent. See *Adjusting VMT Reductions to Emission Reductions* above for further discussion.

Energy and Fuel Savings

The percent reduction in vehicle fuel consumption would be the same as the percent reduction in GHG emissions (A).

VMT Reductions

The percent reduction in VMT would be the same as the percent reduction in GHG emissions (A).

Sources

- Nelson/Nygaard Consulting Associates. 2015. *Genentech–South San Francisco Campus TDM and Parking Report*. June. Available: http://ci-ssf-ca.granicus.com/MetaViewer.php?view_id=2&clip_id=859&meta_id=62028. Accessed: January 2021.

T-7. Implement Commute Trip Reduction Marketing

Photo Credit: Sacramento Area Council of Governments, 2012

GHG Mitigation Potential

Up to 4.0% of GHG emissions from project/site employee commute VMT

Co-Benefits (icon key on pg. 34)

Climate Resilience

Commute trip reduction programs could result in less traffic, potentially reducing congestion or delays on major roads during peak AM and PM traffic periods. When this reduction occurs during extreme weather events, it better allows emergency responders to access a hazard site. Lower transportation costs would also increase community resilience by freeing up resources for other purposes.

Health and Equity Considerations

Design of CTR programs needs to consider existing mobility options in diverse communities and ensure equitable access and benefit to all employees. CTR programs may need to include multi-language materials.

Measure Description

This measure will implement a marketing strategy to promote the project site employer's CTR program. Information sharing and marketing promote and educate employees about their travel choices to the employment location beyond driving such as carpooling, taking transit, walking, and biking, thereby reducing VMT and GHG emissions.

Subsector

Trip Reduction Programs

Locational Context

Urban, suburban

Scale of Application

Project/Site

Implementation Requirements

The following features (or similar alternatives) of the marketing strategy are essential for effectiveness.

- Onsite or online commuter information services.
- Employee transportation coordinators.
- Onsite or online transit pass sales.
- Guaranteed ride home service.

Cost Considerations

Employer costs include labor and materials for development and distribution of survey and marketing materials to promote the program and educate potential participants.

Expanded Mitigation Options

This measure could be packaged with other commute trip reduction measures (Measures T-8 through T-13) as a comprehensive CTR program (Measure T-5 or T-6).

GHG Reduction Formula

$A = B \times C \times D$

GHG Calculation Variables

ID	Variable	Value	Unit	Source
Output				
A	Percent reduction in GHG emissions from project/site employee commute VMT	0–4.0	%	calculated
User Inputs				
B	Percent of employees eligible for program	0–100	%	user input
Constants, Assumptions, and Available Defaults				
C	Percent reduction in employee commute vehicle trips	-4	%	TRB 2010
D	Adjustment from vehicle trips to VMT	1	unitless	assumed

Further explanation of key variables:

- (B) – This refers to the percent of employees that would be able to participate in the program. This will usually be 100 percent. Employees who might not be able to participate could include those who work nighttime hours when transit and rideshare services are not available or employees who are required to drive to work as part of their job duties. This input does not refer to the percent of employees who actually participate in the program.
- (C) – A review of studies measuring the effect of transportation demand management measures on traveler behavior notes that the average empirically-based estimate of reductions in vehicle trips for full-scale, site-specific employer support programs is 4 to 5 percent. To be conservative, the low end of the range is cited (TRB 2010).
- (D) – The adjustment factor from vehicle trips to VMT is 1. This assumes that all vehicle trips will average out to typical trip length ("assumes all trip lengths are equal"). Thus, it can be assumed that a percentage reduction in vehicle trips will equal the same percentage reduction in VMT.

GHG Calculation Caps or Maximums

Measure Maximum

(A_{max}) The maximum GHG reduction from this measure is 4 percent. This maximum scenario is presented in the below example quantification.

Subsector Maximum

($\sum A_{max_{T\text{-}5 \text{ through } T\text{-}13}} \leq 45\%$) This measure is in the Trip Reduction Programs subsector. This subcategory includes Measures T-5 through T-13. The employee commute VMT reduction from the combined implementation of all measures within this subsector is capped at 45 percent.

Mutually Exclusive Measures

If this measure is selected, the user may not also take credit for either Measure T-5 or T-6. However, this measure may be implemented alongside other individual CTR measures (Measures T-8 through T-13). The efficacy of individual programs may vary highly based on individual employers and local contexts.

Example GHG Reduction Quantification

The user reduces employee commute VMT by requiring that employers of a project market to employees travel options for modes alternative to single-occupied vehicles. In this example, the percent of employees eligible (B) is 100 percent, which would reduce GHG emissions from employee commute VMT by 4 percent.

$$A = 100\% \times -4\% \times 1 = -4\%$$

Quantified Co-Benefits

Improved Local Air Quality

The percent reduction in GHG emissions (A) would be the same as the percent reduction in NO_X, CO, NO_2, SO_2, and PM. Reductions in ROG emissions can be calculated by multiplying the percent reduction in GHG emissions (A) by an adjustment factor of 87 percent. See *Adjusting VMT Reductions to Emission Reductions* above for further discussion.

Energy and Fuel Savings

The percent reduction in vehicle fuel consumption would be the same as the percent reduction in GHG emissions (A).

VMT Reductions

The percent reduction in VMT would be the same as the percent reduction in GHG emissions (A).

Sources

- Transportation Research Board (TRB). 2010. *Traveler Response to Transportation System Changes Handbook, Third Edition: Chapter 19, Employer and Institutional TDM Strategies*. June. Available: http://www.trb.org/Publications/Blurbs/163781.aspx. Accessed: January 2021.

T-8. Provide Ridesharing Program

GHG Mitigation Potential

Up to 8.0% of GHG emissions from project/site employee commute VMT

Co-Benefits (icon key on pg. 34)

Climate Resilience

Ridesharing programs could result in less traffic, potentially reducing congestion or delays on major roads during peak AM and PM traffic periods. When this reduction occurs during extreme weather events, it better allows emergency responders to access a hazard site. Lower transportation costs would also increase community resilience by freeing up resources for other purposes.

Health and Equity Considerations

Program should include all onsite workers, such as contractors, interns, and service workers. Because ridesharing is vehicle-based, and some employees may not be in areas with feasible rideshare networks, design of programs need to ensure equitable benefits to those with and without access to rideshare opportunities.

Measure Description

This measure will implement a ridesharing program and establish a permanent transportation management association with funding requirements for employers. Ridesharing encourages carpooled vehicle trips in place of single-occupied vehicle trips, thereby reducing the number of trips, VMT, and GHG emissions.

Subsector

Trip Reduction Programs

Locational Context

Urban, suburban

Scale of Application

Project/Site

Implementation Requirements

Ridesharing must be promoted through a multifaceted approach. Examples include the following.

- Designating a certain percentage of desirable parking spaces for ridesharing vehicles.
- Designating adequate passenger loading and unloading and waiting areas for ridesharing vehicles.
- Providing an app or website for coordinating rides.

Cost Considerations

Costs of developing, implementing, and maintaining a rideshare program in a way that encourages participation are generally borne by municipalities or employers. The beneficiaries include the program participants saving on commuting costs, the employer reducing onsite parking expenses, and the municipality reducing cars on the road, which leads to lower infrastructure and roadway maintenance costs.

Expanded Mitigation Options

When providing a ridesharing program, a best practice is to establish funding by a non-revocable funding mechanism for employer-provided subsidies. In addition, encourage use of low-emission ridesharing vehicles (e.g., shared Uber Green).

This measure could be paired with any combination of the other commute trip reduction strategies (Measures T-7 through T-13) for increased reductions.

GHG Reduction Formula

$A = B \times C$

GHG Calculation Variables

ID	Variable	Value	Unit	Source
Output				
A	Percent reduction in GHG emissions from project/site employee commute VMT	0–8.0	%	calculated
User Inputs				
B	Percent of employees eligible for program	0–100	%	user input
Constants, Assumptions, and Available Defaults				
C	Percent reduction in employee commute VMT	Table T-8.1	%	SANDAG 2019

Further explanation of key variables:

- (B) – This refers to the percent of employees that would be able to participate in the program. This will usually be 100 percent. Employees who might not be able to participate could include those who work nighttime hours when transit and rideshare services are not available or employees who are required to drive to work as part of their job duties. This input does not refer to the percent of employees who actually participate in the program.
- (C) – The percent reduction in employee commute VMT by place type is provided in Table T-8.1 in Appendix C. The reduction differs by place type because the willingness and ability to participate in carpooling is higher in urban areas than in suburban areas. Note that this measure is not applicable for implementation in rural areas (SANDAG 2019).

GHG Calculation Caps or Maximums

Measure Maximum

(A_{max}) The maximum GHG reduction from this measure is 8 percent.

Subsector Maximum

($\sum A_{max_{T\text{-}5 \text{ through } T\text{-}13}} \leq 45\%$) This measure is in the Trip Reduction Programs subsector. This subcategory includes Measures T-5 through T-13. The employee commute VMT reduction from the combined implementation of all measures within this subsector is capped at 45 percent.

Mutually Exclusive Measures

If this measure is selected, the user may not also take credit for either Measure T-5 or T-6. However, this measure may be implemented alongside other individual CTR measures (Measures T-7 and T-9 through T-13). The efficacy of individual programs may vary highly based on individual employers and local contexts.

Example GHG Reduction Quantification

The user reduces employee commute VMT by requiring that employers of a project provide a ridesharing program to their employees. In this example, the percent of employees eligible (B) at a packaging and distribution center is 50 percent and the place type of the project is urban (C). GHG emissions from employee commute VMT would be reduced by 4 percent.

$A = 50\% \times -8\% = -4\%$

Quantified Co-Benefits

Improved Local Air Quality

The percent reduction in GHG emissions (A) would be the same as the percent reduction in NO_X, CO, NO_2, SO_2, and PM. Reductions in ROG emissions can be calculated by multiplying the percent reduction in GHG emissions (A) by an adjustment factor of 87 percent. See *Adjusting VMT Reductions to Emission Reductions* above for further discussion.

Energy and Fuel Savings

The percent reduction in vehicle fuel consumption would be the same as the percent reduction in GHG emissions (A).

VMT Reductions

The percent reduction in VMT would be the same as the percent reduction in GHG emissions (A).

Sources

- San Diego Association of Governments (SANDAG). 2019. *Mobility Management VMT Reduction Calculator Tool–Design Document*. June. Available: https://www.icommutesd.com/docs/default-source/planning/tool-design-document_final_7-17-19.pdf?sfvrsn=ec39eb3b_2. Accessed: January 2021.

T-9. Implement Subsidized or Discounted Transit Program

GHG Mitigation Potential

Up to 5.5% of emissions from employee/resident vehicles accessing the site

Co-Benefits (icon key on pg. 34)

Climate Resilience

Subsidized and discounted transit programs increase the capacity of low-income populations to use transit to evacuate or access resources during an extreme weather event. They could also incentivize more people to use transit, resulting in less traffic and better allowing emergency responders to access a hazard site during an extreme weather event. Lower overall out-of-pocket costs would also help increase community resilience by freeing up resources for other purposes.

Health and Equity Considerations

Program should include all onsite workers, such as contractors, interns, and service workers.

Measure Description

This measure will provide subsidized or discounted, or free transit passes for employees and/or residents. Reducing the out-of-pocket cost for choosing transit improves the competitiveness of transit against driving, increasing the total number of transit trips and decreasing vehicle trips. This decrease in vehicle trips results in reduced VMT and thus a reduction in GHG emissions.

Subsector

Trip Reduction Programs

Locational Context

Urban, suburban

Scale of Application

Project/Site

Implementation Requirements

The project should be accessible either within 1 mile of high-quality transit service (rail or bus with headways of less than 15 minutes), 0.5 mile of local or less frequent transit service, or along a designated shuttle route providing last-mile connections to rail service. If a well-established bikeshare service (Measure T-22-A) is available, the site may be located up to 2 miles from a high-quality transit service.

If more than one transit agency serves the site, subsidies should be provided that can be applied to each of the services available. If subsidies are applied for only one service, all variable inputs below should also pertain only to the service that is subsidized.

Cost Considerations

The employer cost is the recurring, direct cost for transit subsidies. The subsidies will lower the per capita income of the transit service, decreasing the revenue of the local transit agency. This cost may be offset by increased revenue from increased ridership. The beneficiaries include the program participants saving on commuting cost, the employer reducing onsite parking expenses, and the municipality reducing cars on the road, which leads to lower infrastructure and roadway maintenance costs.

Expanded Mitigation Options

This measure could be paired with any combination of the other commute trip reduction strategies (Measures T-7 through T-13) for increased reductions.

GHG Reduction Formula

$$A = \frac{C}{B} \times G \times D \times E \times F \times H \times I$$

GHG Calculation Variables

If subsidies or discounts target employees, the GHG reduction from this measure may be limited to work-related employee trips only (i.e., home-to- work) and work-to-other, where at least one trip end is work). If residents are targeted, the GHG reductions extend to all trips.

ID	Variable	Value	Unit	Source
Output				
A	Percent reduction in GHG emissions from employee/resident vehicles accessing the site	0–5.5	%	calculated
User Inputs				
B	Average transit fare without subsidy	[ ]	$	user input
C	Subsidy amount	[ ]	$	user input
D	Percent of employees/residents eligible for subsidy	0–100	%	user input
E	Percent of project-generated VMT from employees/residents	0–100	%	user input
Constants, Assumptions, and Available Defaults				
F	Transit mode share of all trips or work trips	Table T-3.1 or Table T-9.1	%	FHWA 2017
G	Elasticity of transit boardings with respect to transit fare price	-0.43	unitless	Taylor et al. 2008
H	Percent of transit trips that would otherwise be made in a vehicle	50	%	Handy & Boarnet 2013
I	Conversion factor of vehicle trips to VMT	1.0	unitless	assumption

Further explanation of key variables:

- (B and C) – The average transit fare and subsidy amount can be presented as either a fare per ride, or the cost of a monthly pass for typical transit service near the site. Pricing should be based on the expected means of subsidy implementation; for instance, if a monthly pass is provided to all residents, prices should be input on a monthly basis.
- (D) – The percentage of employees/residents associated with the site who have access to the subsidy. If subsidy is provided as an employee benefit, care should be taken to account for any contract or temporary workers who do not receive such benefits.
- (E) – The percentage of project-generated VMT from employees/residents is used to adjust the percent reduction in GHG emissions from the scale of employee and/or resident-generated VMT to project-generated VMT. If subsidies or discounts target employees at an office development, this value would simply be 100 percent. If the project site is a multifamily development with no onsite workers, this value would also be

100 percent. If the project site is a retail development, this value would be less than 100 percent, as it does not account for retail shopper trips to the site. The share of total VMT generated by employees for visitor-intensive uses, such as retail or medical offices, can be roughly estimated by multiplying the total number of employees by two (to account for both arrival and departure), divided by the total number of daily trips.

- (F) – Ideally, the user will calculate transit mode share for work trips or all trips of a Project/Site at a scale no larger than a census tract. Potential data sources include the U.S. Census, California Household Travel Survey (preferred), or local survey efforts. Care should be taken *not* to present the reported commute mode share as retrieved from the American Community Survey (ACS), unless the land use is office or employment based and the tables are based on work location (rather than home location). If the subsidies or discounts target employees and their commute trips, then the mode share should use the home-to-work trip purpose. If the user is not able to provide a project-specific value using one of the data sources described above, they have the option to input the transit mode share for one of the six most populated CBSAs in California. The transit mode share for work trips by CBSA is presented in Table T-9.1 in Appendix C (FHWA 2017). The transit mode share for all trips is provided in Table T-3.1 in Appendix C.
- (G) – A cross-sectional analysis of transit use in 265 urbanized areas in the U.S. found that a 0.43 percent decrease in transit boardings occurs for every 1 percent increase in transit fare price (Taylor et al. 2008). A policy brief summarizing the results of transit service strategies found this analysis to fall in the mid-point of observed, short-term values (Handy & Boarnet 2013). Price elasticities of transit demand vary based on both long-term and short-term demand, service type, and service location (Litman 2020 and Handy & Boarnet 2013).
- (H) – Not all new transit trips replace a vehicle trip. The share of transit trips that would otherwise be made by private vehicle ranges from less than 5 percent to 50 percent across studies. This assumption is based on observed values for high quality BRT service under the assumption that this measure is implemented alongside marketing measures and is targeted primarily at reducing vehicle commute trips. (Handy & Boarnet 2013). Note that this study looked at service improvements rather than fare changes and is used as a proxy variable. If project-specific or location-specific information is available, it should be substituted for this assumptive variable.
- (I) – The adjustment factor from vehicle trips to VMT is 1. This assumes that all vehicle trips will average out to typical trip length ("assumes all trip lengths are equal"). Thus, it can be assumed that a percentage reduction in vehicle trips will equal the same percentage reduction in VMT. Subsidies or discounts targeting commute trips may have a higher factor as they are generally longer than the trip lengths for other purposes.

GHG Calculation Caps or Maximums

Measure Maximum

(A_{max}) The GHG reduction is capped at 5.5 percent, which is based on the following assumptions:

- (C=B) – The subsidy coverage is capped at 100 percent of the typical transit fare.
- (D) – All employees are eligible for the subsidy.

- (E) – All project-generated VMT is from employee-generated VMT.
- (F) – Employees at an office development in the San Francisco-Oakland-Hayward CBSA have a default transit mode share for work trips of 25.60 percent.

Subsector Maximum

$(\sum A_{max_{T\text{-}5 \text{ through } T\text{-}13}} \leq 45\%)$ This measure is in the Trip Reduction Programs subsector. This subcategory includes Measures T-5 through T-13. The employee commute VMT reduction from the combined implementation of all measures within this subsector is capped at 45 percent.

Mutually Exclusive Measures

If this measure is selected, the user may not also take credit for either Measure T-5 or T-6. However, this measure may be implemented alongside other individual CTR measures (Measures T-7, T-8, T-10 through T-13). The efficacy of individual programs may vary highly based on individual employers and local contexts.

Example GHG Reduction Quantification

In this example, the user reduces VMT by providing all employees (D) of a proposed office development in the San Francisco-Oakland-Hayward CBSA a 100 percent transit subsidy in the form of a $100 monthly transit pass (C=B). The user would reduce GHG emissions from VMT by 5.5 percent.

$$A = \left(\frac{\$100}{\$100} \times -0.43\right) \times 100\% \times 100\% \times 25.60\% \times 50\% \times 1 = -5.5\%$$

Quantified Co-Benefits

Improved Local Air Quality

The percent reduction in GHG emissions (A) would be the same as the percent reduction in NO_X, CO, NO_2, SO_2, and PM. Reductions in ROG emissions can be calculated by multiplying the percent reduction in GHG emissions (A) by an adjustment factor of 87 percent. See *Adjusting VMT Reductions to Emission Reductions* above for further discussion.

Energy and Fuel Savings

The percent reduction in vehicle fuel consumption would be the same as the percent reduction in GHG emissions (A).

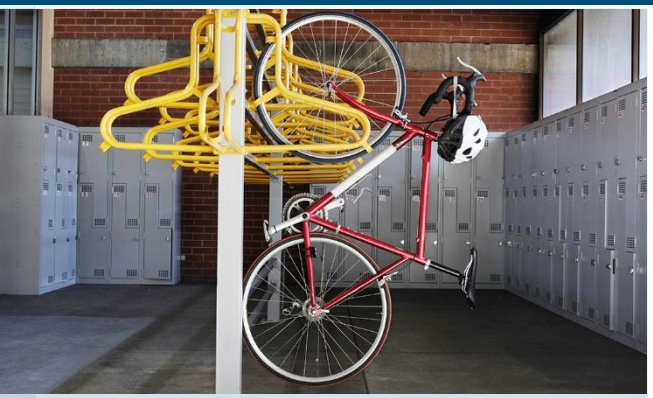
VMT Reductions

The percent reduction in VMT would be the same as the percent reduction in GHG emissions (A).

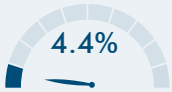
Sources

- Federal Highway Administration (FHWA). 2017. *National Household Travel Survey–2017 Table Designer*. Travel Day PMT by TRPTRANS by HH_CBSA, Workers by WRKTRANS by HH_CBSA. Available: https://nhts.ornl.gov/. Accessed: January 2021.
- Handy, L. and S. Boarnet. 2013. *Impacts of Transit Service Strategies on Passenger Vehicle Use and Greenhouse Gas Emissions*. Available: http://www.arb.ca.gov/cc/sb375/policies/transitservice/transit_brief.pdf. Accessed: January 2021.
- Litman, T. 2020. *Transit Price Elasticities and Cross-elasticities*. Victoria Transport Policy Institute. April. Available: https://www.vtpi.org/tranelas.pdf. Accessed: January 2021.
- Taylor, B., D. Miller, H. Iseki, and C. Fink. 2008. *Nature and/or Nurture? Analyzing the Determinants of Transit Ridership Across US Urbanized Areas*. Transportation Research Part A: Policy and Practice, 43(1), 60-77. Available: https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.367.5311&rep=rep1&type=pdf. Accessed: January 2021.

T-10. Provide End-of-Trip Bicycle Facilities



GHG Mitigation Potential



Up to 4.4% of GHG emissions from project/site employee commute VMT

Co-Benefits (icon key on pg. 34)

Climate Resilience

End-of-trip bicycle facilities could take more cars off the road, resulting in less traffic and better allowing emergency responders to access a hazard site during an extreme weather event. They could also make it easier for bicycle users to access resources in an extreme weather event.

Health and Equity Considerations

Facilities should be inclusive of all gender identities and expressions. Consider including gender-neutral, single-occupancy options to allow for additional privacy for those who want it.

Measure Description

This measure will install and maintain end-of-trip facilities for employee use. End-of-trip facilities include bike parking, bike lockers, showers, and personal lockers. The provision and maintenance of secure bike parking and related facilities encourages commuting by bicycle, thereby reducing VMT and GHG emissions.

Subsector

Trip Reduction Programs

Locational Context

Urban, suburban

Scale of Application

Project/Site

Implementation Requirements

End-of-trip facilities should be installed at a size proportional to the number of commuting bicyclists and regularly maintained.

Cost Considerations

Employer costs include capital and maintenance costs for construction and maintenance of facilities and potentially labor and materials costs for staff to monitor facilities and provide marketing to encourage use of new facilities. The beneficiaries include the program participants saving on commuting cost, the employer reducing onsite parking expenses, and the municipality reducing cars on the road, which leads to lower infrastructure and roadway maintenance costs.

Expanded Mitigation Options

Best practice is to include an onsite bicycle repair station and post signage on or near secure parking and personal lockers with information about how to reserve or obtain access to these amenities.

This measure could be paired with any combination of the other commute trip reduction strategies (Measures T-7 through T-13) for increased reductions.

GHG Reduction Formula

$$A = \frac{C \times (E - (B \times E))}{D \times F}$$

GHG Calculation Variables

ID	Variable	Value	Unit	Source
Output				
A	Percent reduction in GHG emissions from employee project/site commute VMT	0.1–4.4	%	calculated
User Inputs				
	None			
Constants, Assumptions, and Available Defaults				
B	Bike mode adjustment factor	1.78 or 4.86	unitless	Buehler 2012
C	Existing bicycle trip length for all trips in region	Table T-10.1	miles	FHWA 2017a
D	Existing vehicle trip length for all trips in region	Table T-10.1	miles	FHWA 2017a
E	Existing bicycle mode share for work trips in region	Table T-10.2	%	FHWA 2017b
F	Existing vehicle mode share for work trips in region	Table T-10.2	%	FHWA 2017b

Further explanation of key variables:

- (B) – The bike mode adjustment factor should be provided by the user based on type of bike facility. A study found that commuters with showers, lockers, and bike parking at work are associated with 4.86 times greater likelihood to commute by bicycle when compared to individuals without any bicycle facilities at work. Individuals with bike parking, but no showers and lockers at the workplace, are associated with 1.78 times greater likelihood to cycle to work than those without trip-end facilities (Buehler 2012).
- (C and D) – Ideally, the user will calculate bicycle and auto trip length for a Project/Site at a scale no larger than a census tract. Potential data sources include the U.S. Census, California Household Travel Survey (preferred), or local survey efforts. If the user is not able to provide a project-specific value using one of these data sources, they have the option to input the trip lengths for bicycles and vehicles for one of the six most populated CBSAs in California, as presented in Table T-10.1 in Appendix C (FHWA 2017a). Trip lengths are likely to be longer for areas not covered by the listed CBSAs, which represent the denser areas of the state.
- (E and F) – Ideally, the user will calculate bicycle and auto mode share for work trips for a Project/Site at a scale no larger than a census tract. Potential data sources include the U.S. Census, California Household Travel Survey (preferred), or local survey efforts. If the user is not able to provide a project-specific value using one of these data sources, they have the option to input the regional average mode shares for bicycle and vehicle

work trips for one of the six most populated CBSAs in California, as presented in Table T-10.2 in Appendix C (FHWA 2017b). If the project study area is not within the listed CBSAs or the user is able to provide a project-specific value, the user should replace these regional defaults in the GHG reduction formula. For areas not covered by the listed CBSAs, which represent the denser areas of the state, bicycle mode share is likely to be lower and vehicle share higher than presented in Table T-10.2.

GHG Calculation Caps or Maximums

Measure Maximum

(A_{max}) The maximum GHG reduction from this measure is 4.4 percent. This maximum scenario is presented in the below example quantification.

Subsector Maximum

($\sum A_{max_{T\text{-}5 \text{ through } T\text{-}13}} \leq 45\%$) This measure is in the Trip Reduction Programs subsector. This subcategory includes Measures T-5 through T-13. The employee commute VMT reduction from the combined implementation of all measures within this subsector is capped at 45 percent.

Mutually Exclusive Measures

If this measure is selected, the user may not also take credit for either Measure T-5 or T-6. However, this measure may be implemented alongside other individual CTR measures (Measures T-7, T-8, T-9, and T-11 through T-13). The efficacy of individual programs may vary highly based on individual employers and local contexts.

Example GHG Reduction Quantification

The user reduces VMT by providing end-of-trip facilities for the project's employees, which encourages bicycle trips in place of vehicle trips. In this example, the type of bike facility provided by the project is parking with showers, bike lockers, and personal lockers (B). The project is within San Jose-Sunnyvale-Santa Clara CBSA, and the user does not have project-specific values for trip lengths and mode shares and for bicycles and vehicles. Per Tables T-10.1 and T-10.2 in Appendix C, inputs for these variables are 2.8 miles, 11.5 miles, 4.1 percent, and 86.6 percent, respectively (C, D, E, and F). GHG emissions from employee commute VMT would be reduced by 4.4 percent.

$$A = \frac{2.8 \text{ miles} \times \left(4.1\% - (4.86 \times 4.1\%)\right)}{11.5 \text{ miles} \times 86.6\%} = -4.4\%$$

Quantified Co-Benefits

Improved Local Air Quality

The percent reduction in GHG emissions (A) would be the same as the percent reduction in NO_X, CO, NO_2, SO_2, and PM. Reductions in ROG emissions can be

calculated by multiplying the percent reduction in GHG emissions (A) by an adjustment factor of 87 percent. See *Adjusting VMT Reductions to Emission Reductions* above for further discussion.

Energy and Fuel Savings

The percent reduction in vehicle fuel consumption would be the same as the percent reduction in GHG emissions (A).

VMT Reductions

The percent reduction in VMT would be the same as the percent reduction in GHG emissions (A).

Sources

- Buehler, R. 2012. *Determinants of bicycle commuting in the Washington, DC region: The role bicycle parking, cyclist showers, and free car parking at work.* Transportation Research Part D, 17, 525–531. Available: http://www.pedbikeinfo.org/cms/downloads/DeterminantsofBicycleCommuting.pdf. Accessed: January 2021.
- Federal Highway Administration (FHWA). 2017a. *National Household Travel Survey–2017 Table Designer*. Travel Day PT by TRPTRANS by HH_CBSA. Available: https://nhts.ornl.gov/. Accessed: January 2021.
- Federal Highway Administration (FHWA). 2017b. *National Household Travel Survey–2017 Table Designer.* Workers by WRKTRANS by HH_CBSA. Available: https://nhts.ornl.gov/. Accessed: January 2021.

T-11. Provide Employer-Sponsored Vanpool

Photo Credit: UCLA Transportation/Flickr, 2021

GHG Mitigation Potential

Up to 20.4% of GHG emissions from project/site employee commute VMT

Co-Benefits (icon key on pg. 34)

Climate Resilience

Employer-sponsored vanpools could result in less traffic, potentially reducing congestion or delays on major roads during peak AM and PM traffic periods. When this reduction occurs during extreme weather events, it better allows emergency responders to access a hazard site.

Health and Equity Considerations

Consider using zero-emission or plug-in electric vehicles (PHEVs) for additional emission reduction benefits.

Measure Description

This measure will implement an employer-sponsored vanpool service. Vanpooling is a flexible form of public transportation that provides groups of 5 to 15 people with a cost-effective and convenient rideshare option for commuting. The mode shift from long-distance, single-occupied vehicles to shared vehicles reduces overall commute VMT, thereby reducing GHG emissions.

Subsector

Trip Reduction Programs

Locational Context

Urban, suburban, rural

Scale of Application

Project/Site

Implementation Requirements

Vanpool programs are more appropriate for the building occupant or tenant (i.e., employer) to implement and monitor than the building owner or developer.

Cost Considerations

Employer costs primarily include the capital costs of vehicle acquisition and the labor costs of drivers, either through incentives to current employees or the hiring of dedicated drivers. The beneficiaries include the program participants saving on commuting cost, the employer reducing onsite parking expenses, and the municipality reducing cars on the road, which leads to lower infrastructure and roadway maintenance costs.

Expanded Mitigation Options

When implementing a vanpool service, best practice is to subsidize the cost for employees that have a similar origin and destination and provide priority parking for employees that vanpool.

This measure could be paired with any combination of the other commute trip reduction strategies (Measures T-7 through T-13) for increased reductions.

GHG Reduction Formula

$$A = \frac{((1 - B) \times C \times F) + \left(B \times \frac{D}{E} \times G\right)}{((1 - B) \times C \times F) + (B \times D \times F)} - 1$$

GHG Calculation Variables

ID	Variable	Value	Unit	Source
Output				
A	Percent reduction in GHG emissions from project/site employee commute VMT	3.4–20.4	%	calculated
User Inputs				
	None			
Constants, Assumptions, and Available Defaults				
B	Percent of employees that participate in vanpool program	2.7	%	SANDAG 2019
C	Average length of one-way vehicle commute trip in region	Table T-11.1	miles per trip	FHWA 2017
D	Average length of one-way vanpool commute trip	42.0	miles per trip	SANDAG 2019
E	Average vanpool occupancy (including driver)	6.25	occupants	SANDAG 2019
F	Average emission factor of average employee vehicle	307.5	g CO_2e per mile	CARB 2020
G	Vanpool emission factor	763.4	g CO_2e per mile	CARB 2020

Further explanation of key variables:

- (B) – The percent of employees that would participate in a vanpool program is based on a survey of commuters in San Diego County (SANDAG 2019). If the project is not within San Diego County or the user is able to provide a project-specific value for within San Diego County, the user should replace the default employee participation rate in the GHG reduction formula.
- (C) – Ideally, the user will calculate auto commute trip lengths for a Project/Site at a scale no larger than a census tract. Potential data sources include the U.S. Census, California Household Travel Survey (preferred), or local survey efforts. If the user is not able to provide a project-specific value using one of these data sources, they have the option to input the regional average one-way auto commute trip length for one of the six most populated CBSAs in California, as presented in Table T-11.1 in Appendix C (FHWA 2017). Trip lengths are likely to be longer for areas not covered by the listed CBSAs, which represent the denser areas of the state.
- (D and E) – The average one-way vanpool commute trip length and occupancy are based on data from the San Diego Association of Government's regional vanpool program (SANDAG 2019). If the project is not within San Diego County or the user is

able to provide a project-specific value for within San Diego County, the user should replace these defaults in the GHG reduction formula.

- (F and G) – The average GHG emission factors for employee commute and vanpool vehicles were calculated in terms of CO_2e per mile using EMFAC2017 (v1.0.3). The model was run for a 2020 statewide average using diesel and gasoline fuel. The average of the light-duty automobile (LDA) and light duty truck (LDT1/LDT2) vehicle categories represents employee non-vanpool vehicles and the light-heavy duty truck (LHDT1) vehicle category conservatively represents a large cargo vanpool vehicle. The running emission factors for CO_2, CH_4, and N_2O (CARB 2020) were multiplied by the corresponding 100-year GWP values from the IPCC's Fourth Assessment Report (IPCC 2007). If the user can provide a project-specific value (i.e., for a future year and project location), the user should run EMFAC to replace the defaults in the GHG reduction formula.

GHG Calculation Caps or Maximums

Measure Maximum

(A_{max}) For projects in San Diego County that use default CBSA data from Table T-11.1 and (B_{max}), the maximum percent reduction in GHG emissions (A) is 20.4 percent. This maximum scenario is presented in the below example quantification.

(B_{max}) The percent of employees that participate in the vanpool program is capped at 15 percent, which is based on the high end of vanpool participation survey data for several successful programs in the U.S. (SANDAG 2019).

Subsector Maximum

($\sum A_{max_{T\text{-}5 \text{ through } T\text{-}13}} \leq 45\%$) This measure is in the Trip Reduction Programs subsector. This subcategory includes Measures T-5 through T-13. The employee commute VMT reduction from the combined implementation of all measures within this subsector is capped at 45 percent.

Mutually Exclusive Measures

If this measure is selected, the user may not also take credit for either Measure T-5 or T-6. However, this measure may be implemented alongside other individual CTR measures (Measures T-7 through T-10, T-12, and T-13). The efficacy of individual programs may vary highly based on individual employers and local contexts.

Example GHG Reduction Quantification

The user reduces employee commute VMT by requiring that the employer of the project to sponsor a vanpool program. In this example, the project is in the San Diego-Carlsbad CBSA and would have an average vehicle commute trip length of 14.52 miles (C). The percent of employees that participate in the vanpool program is 15 percent (B_{max}). GHG emissions from employee commute would be reduced by 20.4 percent.

$$A = \frac{\left((1-15\%) \times 14.52 \frac{\text{miles}}{\text{trip}} \times 307.5 \frac{\text{g } CO_2e}{\text{miles}}\right) + \left(15\% \times \frac{42 \frac{\text{miles}}{\text{trip}}}{6.25 \text{ occupants}} \times 763.4 \frac{\text{g } CO_2e}{\text{miles}}\right)}{\left((1-15\%) \times 14.52 \frac{\text{miles}}{\text{trip}} \times 307.5 \frac{\text{g } CO_2e}{\text{miles}}\right) + \left(15\% \times 42 \frac{\text{miles}}{\text{trip}} \times 307.5 \frac{\text{g } CO_2e}{\text{miles}}\right)} - 1 = -20.4\%$$

Quantified Co-Benefits

Improved Local Air Quality

The percent reduction in GHG emissions (A) would be the same as the percent reduction in NO_X, CO, NO_2, SO_2, and PM. Reductions in ROG emissions can be calculated by multiplying the percent reduction in GHG emissions (A) by an adjustment factor of 87 percent. See *Adjusting VMT Reductions to Emission Reductions* above for further discussion.

Energy and Fuel Savings

The percent reduction in vehicle fuel consumption (H) can be calculated using the GHG reduction formula except that (F) and (G) should be replaced by (I) and (J), as follows.

Fuel Use Reduction Formula

$$H = \frac{\left((1-B) \times C \times I\right) + \left(B \times \frac{D}{E} \times J\right)}{\left((1-B) \times C \times I\right) + (B \times D \times I)} - 1$$

Fuel Use Reduction Calculation Variables

ID	Variable	Value	Unit	Source
Output				
H	Percent reduction in fuel use from project/site employee commute VMT	4.7–21.4	%	calculated
User Inputs				
	None			
Constants, Assumptions, and Available Defaults				
I	Fuel efficiency of average employee vehicle	0.03639	gallon (gal) per mile	CARB 2020
J	Fuel efficiency of vanpool vehicle	0.08328	gal per mile	CARB 2020

Further explanation of key variables:

- (I and J) – The average fuel efficiencies for employee commute and vanpool vehicles were calculated using EMFAC2017 (v1.0.3). The model was run for a 2020 statewide average using diesel and gasoline fuel. The average of the LDA,

LDT1, and LDT2 vehicle categories represents employee non-vanpool vehicles, and the LHDT1 vehicle category conservatively represents a large cargo vanpool vehicle. If the user can provide a project-specific value (i.e., for a future year and project location), the user should run EMFAC to replace the defaults in the fuel use reduction formula.

- Please refer to the GHG Calculation Variables table above for definitions of variables that have been previously defined.

VMT Reductions

The percent reduction in VMT can be calculated using a modified version of the GHG reduction formula, as shown below.

$$\%\ \text{VMT Reduction} = \frac{((1 - B) \times C) + \left(B \times \frac{D}{E}\right)}{C} - 1$$

Sources

- California Air Resources Board (CARB). 2020. *EMFAC2017 v1.0.3*. August. Available: https://arb.ca.gov/emfac/emissions-inventory. Accessed: January 2021.
- Federal Highway Administration (FHWA). 2017. *National Household Travel Survey–2017 Table Designer*. Travel Day VT by HH_CBSA by TRPTRANS by TRIPPURP. Available: https://nhts.ornl.gov/. Accessed: January 2021.
- Intergovernmental Panel on Climate Change (IPCC). 2007. *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change* [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K. B. Averyt, M. Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 996 pp. Available: https://www.ipcc.ch/report/ar4/wg1/. Accessed: January 2021.
- San Diego Association of Governments (SANDAG). 2019. *Mobility Management VMT Reduction Calculator Tool–Design Document*. June. Available: https://www.icommutesd.com/docs/default-source/planning/tool-design-document_final_7-17-19.pdf?sfvrsn=ec39eb3b_2. Accessed: January 2021.

T-12. Price Workplace Parking

GHG Mitigation Potential

Up to 20.0% of GHG emissions from project/site employee commute VMT

Co-Benefits (icon key on pg. 34)

Climate Resilience

Priced workplace parking could incentivize increased use of public transit and thus result in less traffic, potentially reducing congestion or delays on major roads during peak AM and PM traffic periods. When this reduction occurs during extreme weather events, it better allows emergency responders to access a hazard site.

Health and Equity Considerations

Parking pricing should include hourly and daily options so part-time staff do not need a monthly pass. If the project includes low-waged employees that have fewer transportation choices or time and resource constraints, it is instead recommended to consider implementing Measure T-13, *Implement Employee Parking Cash-Out*, or other transportation subsidy.

Measure Description

This measure will price onsite parking at workplaces. Because free employee parking is a common benefit, charging employees to park onsite increases the cost of choosing to drive to work. This is expected to reduce single-occupancy vehicle commute trips, resulting in decreased VMT, thereby reducing associated GHG emissions.

Subsector

Trip Reduction Programs

Locational Context

Urban, suburban

Scale of Application

Project/Site

Implementation Requirements

Implementation may include the following.

- Explicitly charging for employee parking.
- Implementing above-market rate pricing.
- Validating parking only for invited guests (or not providing parking validation at all).
- Not providing employee parking and transportation allowances.

In addition, this measure should include marketing and education regarding available alternatives to driving.

Cost Considerations

Parking fees would be a direct, recurring cost for employees. Employer costs include labor costs for program management and monitoring, but this may be offset by revenue generated by the program.

Expanded Mitigation Options

Best practice is to ensure that other transportation options are available, convenient, and have competitive travel times (i.e., transit service near the project site, shuttle service, or a complete active transportation network serving the site and surrounding community), and that there is not alternative free parking available nearby (such as on-street). This measure is substantially less effective in environments that do not have other modes available or where unrestricted street parking or other offsite parking is available nearby and has adequate capacity to accommodate project-related vehicle parking demand.

GHG Reduction Formula

For calculating effectiveness of pricing residential parking, see Measure T-16, *Unbundle Residential Parking Costs from Property Cost*. For calculating effectiveness of pricing parking at visitor-intensive land uses, see Measure T-24, *Implement Market Price Public Parking (On-Street)*.

$$A = \frac{B - C}{C} \times E \times D \times F$$

GHG Calculation Variables

ID	Variable	Value	Unit	Source
Output				
A	Percent reduction in GHG emissions from employee commute VMT	0–20.0	%	calculated
User Inputs				
B	Proposed parking price	[ ]	$	user input
C	Baseline parking price	[ ]	$	user input
D	Share of employees paying for parking	[ ]	%	user input
Constants, Assumptions, and Available Defaults				
E	Elasticity of parking demand with respecting to parking price	-0.4	unitless	Lehner & Peer 2019
F	Ratio of vehicle trip reduction to VMT	1	unitless	assumption

Further explanation of key variables:

- (B) – Parking price can be provided on an hourly, daily, or monthly basis. Monthly pricing is less effective than requiring daily or hourly payment since the price signal is diluted to only once a month.
- (C) – If baseline parking price is $0 (that is, if parking is typically free), set C = ¼ B, allowing for the maximum 50 percent increase in price. Alternatively, for locations that are located within 0.5 mile of transit service, set C = average transit fare to/from the location.
- (D) – Many organizations allow some employees free parking benefits. VMT reductions should be adjusted based on the share of employees that would be paying for parking.
- (E) – A meta-analysis of parking price studies found that a 0.40 percent decrease in parking demand occurs for every 1 percent increase in parking price (Lehner & Peer 2019). Price elasticity of parking demand varies by location, day of the week, and time of day.
- (F) – The adjustment factor from vehicle trips to VMT is 1. This assumes that all vehicle trips will average out to typical trip length ("assumes all trip lengths are equal"). Thus, it can be assumed that a percentage reduction in vehicle trips will equal the same percentage reduction in VMT. Subsidies or discounts targeting commute trips may have a higher factor as they are generally longer than the trip lengths for other purposes.

GHG Calculation Caps or Maximums

Measure Maximum

(A_{max}) The GHG reduction from priced workplace parking is capped at 20 percent. This maximum scenario is presented in the below example quantification.

($\left(\frac{B-C}{C}\right)_{max}$) The percent increase in parking price is capped at 50 percent.

Subsector Maximum

($\sum A_{max_{T\text{-}5 \text{ through } T\text{-}13}} \leq 45\%$) This measure is in the Trip Reduction Programs subsector. This subcategory includes Measures T-5 through T-13. The employee commute VMT reduction from the combined implementation of all measures within this subsector is capped at 45 percent.

Mutually Exclusive Measures

If this measure is selected, the user may not also take credit for Measure T-13, *Implement Employee Parking Cash-Out*. While both measures focus on providing a price signal for employees to consider other modes for their work commute, this measure actively charges all employees to park, while Measure T-13 reimburses employees who do not park. Users should select either Measure T-12 or T-13.

Example GHG Reduction Quantification

The user reduces VMT by increasing the price of a monthly parking permit. In this example, the permit fee is increased from $50 (C) to $75 (B). If 100 percent of employees are subject to parking pricing (D), the user would reduce GHG emissions from VMT by 20 percent.

$$A = \frac{\$75 - \$50}{\$50} \times -0.4 \times 100\% \times 1 = -20\%$$

Quantified Co-Benefits

Improved Local Air Quality

The percent reduction in GHG emissions (A) would be the same as the percent reduction in NO_X, CO, NO_2, SO_2, and PM. Reductions in ROG emissions can be calculated by multiplying the percent reduction in GHG emissions (A) by an adjustment factor of 87 percent. See *Adjusting VMT Reductions to Emission Reductions* above for further discussion.

Energy and Fuel Savings

The percent reduction in vehicle fuel consumption would be the same as the percent reduction in GHG emissions (A).

VMT Reductions

The percent reduction in VMT would be the same as the percent reduction in GHG emissions (A).

Sources

- Lehner, S., Peer, S. 2019. *The Price Elasticity of Parking: A Meta-analysis*. Transportation Research Part A: Policy and Practice 121 2019. Available: http://sustainabletransportationsc.org/garage/pdf/parking_elasticity.pdf. Accessed: January 2021.

T-13. Implement Employee Parking Cash-Out

GHG Mitigation Potential

Up to 12.0% of GHG emissions from project/site employee commute VMT

Co-Benefits (icon key on pg. 34)

Climate Resilience

Employee parking cash-out could incentivize increased use of public transit and thus result in less traffic, potentially reducing congestion or delays on major roads during peak AM and PM traffic periods. When this reduction occurs during extreme weather events, it better allows emergency responders to access a hazard site.

Health and Equity Considerations

Non-applicable

Measure Description

This measure will require project employers to offer employee parking cash-out. Cash-out is when employers provide employees with a choice of forgoing their current subsidized/free parking for a cash payment equivalent to or greater than the cost of the parking space. This encourages employees to use other modes of travel instead of single occupancy vehicles. This mode shift results in people driving less and thereby reduces VMT and GHG emissions.

Subsector

Trip Reduction Programs

Locational Context

Urban, suburban

Scale of Application

Project/Site

Implementation Requirements

To prevent spill-over parking and continued use of single occupancy vehicles, residential parking in the surrounding area must be permitted, and public on-street parking must be market rate.

Cost Considerations

Employer costs include the recurring, direct cost for payment to program participants and labor costs for program management. Employees that participate in the program would achieve cost savings through the cash-out benefit and potentially through reduced vehicle ownership and usage.

Expanded Mitigation Options

This measure could be paired with many other commute trip reduction strategies (Measures T-7 through T-11) for increased reductions.

GHG Reduction Formula

$A = B \times C$

GHG Calculation Variables

ID	Variable	Value	Unit	Source
Output				
A	Percent reduction in GHG emissions from project/site commute VMT	0–12.0	%	calculated
User Inputs				
B	Percentage of employees eligible	[ ]	%	user input
Constants, Assumptions, and Available Defaults				
C	Percent reduction in commute VMT from implementation of measure	-12	%	Shoup 2005

Further explanation of key variables:

- (B) – The percentage of employees eligible refers to the employees that would be able to participate in the program. This will usually be 100 percent. Employees who might not be able to participate could include those who work nighttime hours when transit and rideshare services are not available or employees who are required to drive to work as part of their job duties. This does not refer to the percentage of employees who end up participating in the program.
- (C) – A study of eight California firms that complied with California's 1992 parking cash-out law found employee commute VMT decreased by an average of 12 percent (Shoup 2005).

GHG Calculation Caps or Maximums

Measure Maximum

(A_{max}) The maximum percent reduction in GHG emissions (A) is 12.0 percent. This maximum scenario is presented in the below example quantification.

Subsector Maximum

($\sum A_{max_{T\text{-}5 \text{ through } T\text{-}13}} \leq 45\%$) This measure is in the Trip Reduction Programs subsector. This subcategory includes Measures T-5 through T-13. The employee commute VMT reduction from the combined implementation of all measures within this subsector is capped at 45 percent.

Mutually Exclusive Measures

If this measure is selected, the user may not also take credit for Measure T-12, *Price Workplace Parking*. While both measures focus on providing a price signal for employees to consider other modes for their work commute, this measure reimburses employees who

do not park, while Measure T-12 actively charges all employees to park. Users should select either Measure T-12 or T-13.

Example GHG Reduction Quantification

The user reduces project/site VMT by offering commuters the option to choose a cash payment equal to or greater than the current parking subsidy offered by their employer. In this example, all employees (i.e., 100 percent) are eligible to participate (B), which would reduce GHG emissions from employee commute VMT by 12 percent.

$$A = 100\% \times -12\% = -12\%$$

Quantified Co-Benefits

Improved Local Air Quality

The percent reduction in GHG emissions (A) would be the same as the percent reduction in NO_X, CO, NO_2, SO_2, and PM. Reductions in ROG emissions can be calculated by multiplying the percent reduction in GHG emissions (A) by an adjustment factor of 87 percent. See *Adjusting VMT Reductions to Emission Reductions* above for further discussion.

Energy and Fuel Savings

The percent reduction in vehicle fuel consumption would be the same as the percent reduction in GHG emissions (A).

VMT Reductions

The percent reduction in VMT would be the same as the percent reduction in GHG emissions (A).

Sources

- Shoup, D. 2005. *Parking Cash Out*. Planners Advisory Service, American Planning Association. Available: http://shoup.bol.ucla.edu/ParkingCashOut.pdf. Accessed: January 2021.

T-18. Provide Pedestrian Network Improvement

GHG Mitigation Potential

Up to 6.4% of GHG emissions from vehicle travel in the plan/community

Co-Benefits (icon key on pg. 34)

Climate Resilience

Improving pedestrian networks increases accessibility of outdoor spaces, which can provide health benefits and thus improve community resilience. This can also improve connectivity between residents and resources that may be needed in an extreme weather event.

Health and Equity Considerations

Ensure that the improvements also include accessibility features to allow for people of all abilities to use the network safely and conveniently. Ensure that sidewalks connect to nearby community assets, such as schools, retail, and healthcare.

Measure Description

This measure will increase the sidewalk coverage to improve pedestrian access. Providing sidewalks and an enhanced pedestrian network encourages people to walk instead of drive. This mode shift results in a reduction in VMT and GHG emissions.

Subsector

Neighborhood Design

Locational Context

Urban, suburban, rural

Scale of Application

Plan/Community

Implementation Requirements

The GHG reduction of this measure is based on the VMT reduction associated with expansion of sidewalk coverage expansion, which includes not only building of new sidewalks but also improving degraded or substandard sidewalk (e.g., damaged from street tree roots). However, pedestrian network enhancements with non-quantifiable GHG reductions are encouraged to be implemented, as discussed under *Expanded Mitigation Options*.

Cost Considerations

Depending on the improvement, capital and infrastructure costs may be high. However, improvements to the pedestrian network will increase pedestrian activity, which can increase businesses patronage and provide a local economic benefit. The local municipality may achieve cost savings through a reduction of cars on the road leading to lower infrastructure and roadway maintenance costs.

Expanded Mitigation Options

When improving sidewalks, a best practice is to ensure they are contiguous and link externally with existing and planned pedestrian facilities. Barriers to pedestrian access and interconnectivity, such as walls, landscaping buffers, slopes, and unprotected crossings should be minimized. Other best practice features could include high-visibility crosswalks, pedestrian hybrid beacons, and other pedestrian signals, mid-block crossing walks, pedestrian refuge islands, speed tables, bulb-outs (curb extensions), curb ramps, signage, pavement markings, pedestrian-only connections and districts, landscaping, and other improvements to pedestrian safety (see Measure T-35, *Provide Traffic Calming Measures*).

GHG Reduction Formula

$$A = \left(\frac{C}{B} - 1\right) \times D$$

GHG Calculation Variables

ID	Variable	Value	Unit	Source
Output				
A	Percent reduction in GHG emissions from household vehicle travel in plan/community	0–6.4	%	calculated
User Inputs				
B	Existing sidewalk length in study area	[ ]	miles	user input
C	Sidewalk length in study area with measure	[ ]	miles	user input
Constants, Assumptions, and Available Defaults				
D	Elasticity of household VMT with respect to the ratio of sidewalks-to-streets	-0.05	unitless	Frank et al. 2011

Further explanation of key variables:

- (B and C) – Sidewalk length should be measured on both sides of the street. For example, if one 0.5-mile-long street has full sidewalk coverage, the sidewalk length would be 1.0 mile. If there is only sidewalk on one side of the street, the sidewalk length would be 0.5 mile. The recommended study area is 0.6 mile around the pedestrian network improvement. This represents a 6- to 10-minute walking time.
- (D) – A study found that a 0.05 percent decrease in household vehicle travel occurs for every 1 percent increase in the sidewalk-to-street ratio (Frank et al. 2011; Handy et al. 2014).

GHG Calculation Caps or Maximums

Measure Maximum

(A_{max}) The percent reduction in GHG emissions (A) is capped at 3.4 percent, which is based on the following assumptions:

- 35.2 percent of vehicle trips are short trips (2 mile or less, average of 1.29 miles) and thus could easily shift to walking (FHWA 2019).
- 64.8 percent of vehicle trips are longer trips that are unlikely to shift to walking (2 miles or more, average of 10.93 miles) (FHWA 2019).
- So $A_{max} = \frac{35.2\% \times 1.29 \text{ miles}}{64.8\% \times 10.93 \text{ miles}} = 6.4\%$

Subsector Maximum

($\sum A_{max_{T\text{-}18 \text{ through } T\text{-}22\text{-}C}} \leq 10\%$) This measure is in the Neighborhood Design subsector. This subcategory includes Measures T-18 through T-22-C. The VMT reduction from the combined implementation of all measures within this subsector is capped at 10 percent.

Example GHG Reduction Quantification

The user reduces household VMT by improving the pedestrian network in the study area. In this example, the existing sidewalk length (B) is 9 miles, and the sidewalk length with the measure (C) would be 10 miles. With these conditions, the user would reduce GHG emissions from household VMT within the study area by 0.6 percent.

$$A = \left(\frac{10 \text{ miles}}{9 \text{ miles}} - 1\right) \times -0.05 = -0.6\%$$

Quantified Co-Benefits

Improved Local Air Quality

The percent reduction in GHG emissions (A) would be the same as the percent reduction in NO_X, CO, NO_2, SO_2, and PM. Reductions in ROG emissions can be calculated by multiplying the percent reduction in GHG emissions (A) by an adjustment factor of 87 percent. See *Adjusting VMT Reductions to Emission Reductions* above for further discussion.

Energy and Fuel Savings

The percent reduction in vehicle fuel consumption would be the same as the percent reduction in GHG emissions (A).

VMT Reductions

The percent reduction in household VMT would be the same as the percent reduction in GHG emissions (A).

Improved Public Health

Users are directed to the Integrated Transport and Health Impact Model (ITHIM) (CARB et al. 2020). The ITHIM can quantify the annual change in health outcomes associated with active transportation, including deaths, years of life lost, years of living with disability, and incidence of community and individual disease.

Sources

- California Air Resources Board (CARB), California Department of Public Health (CDPH), and Nicholas Linesch Legacy Fund. 2020. Integrated Transport and Health Impact Model. Available: https://skylab.cdph.ca.gov/HealthyMobilityOptionTool-ITHIM/#Home. Accessed: September 17, 2021.
- Federal Highway Administration (FHWA). 2019. *2017 National Household Travel Survey Popular Vehicle Trip Statistics*. Available: https://nhts.ornl.gov/vehicle-trips. Accessed: January 2021.

- Frank, L., M. Greenwald, S. Kavage, and A. Devlin. 2011. *An Assessment of Urban Form and Pedestrian and Transit Improvements as an Integrated GHG Reduction Strategy*. WSDOT Research Report WA-RD 765.1, Washington State Department of Transportation. April. Available: www.wsdot.wa.gov/research/reports/fullreports/765.1.pdf. Accessed: January 2021.
- Handy, S., S. Glan-Claudia, and M. Boarnet. 2014. *Impacts of Pedestrian Strategies on Passenger Vehicle Use and Greenhouse Gas Emissions: Policy Brief*. September. Available: https://ww2.arb.ca.gov/sites/default/files/2020-06/Impacts_of_Pedestrian_Strategies_on_Passenger_Vehicle_Use_and_Greenhouse_Gas_Emissions_Policy_Brief.pdf. Accessed: January 2021.

Appendix C
Traffic Counts

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
Tue, May 2, 23	NORTH & SOUTH:	Magnolia	LOCATION #:	1
	EAST & WEST:	SR-52 EB Ramps	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER

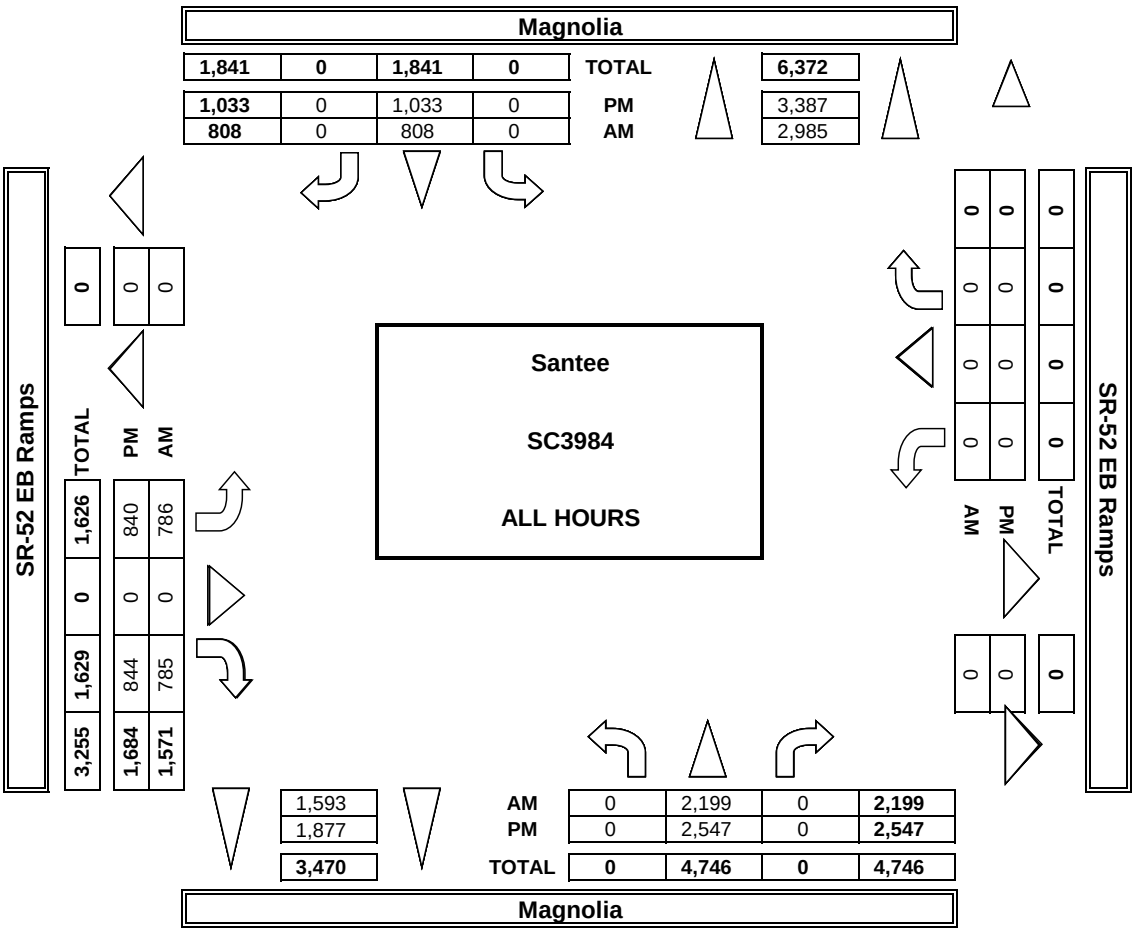
▲ N ◄ W E ► S ▼

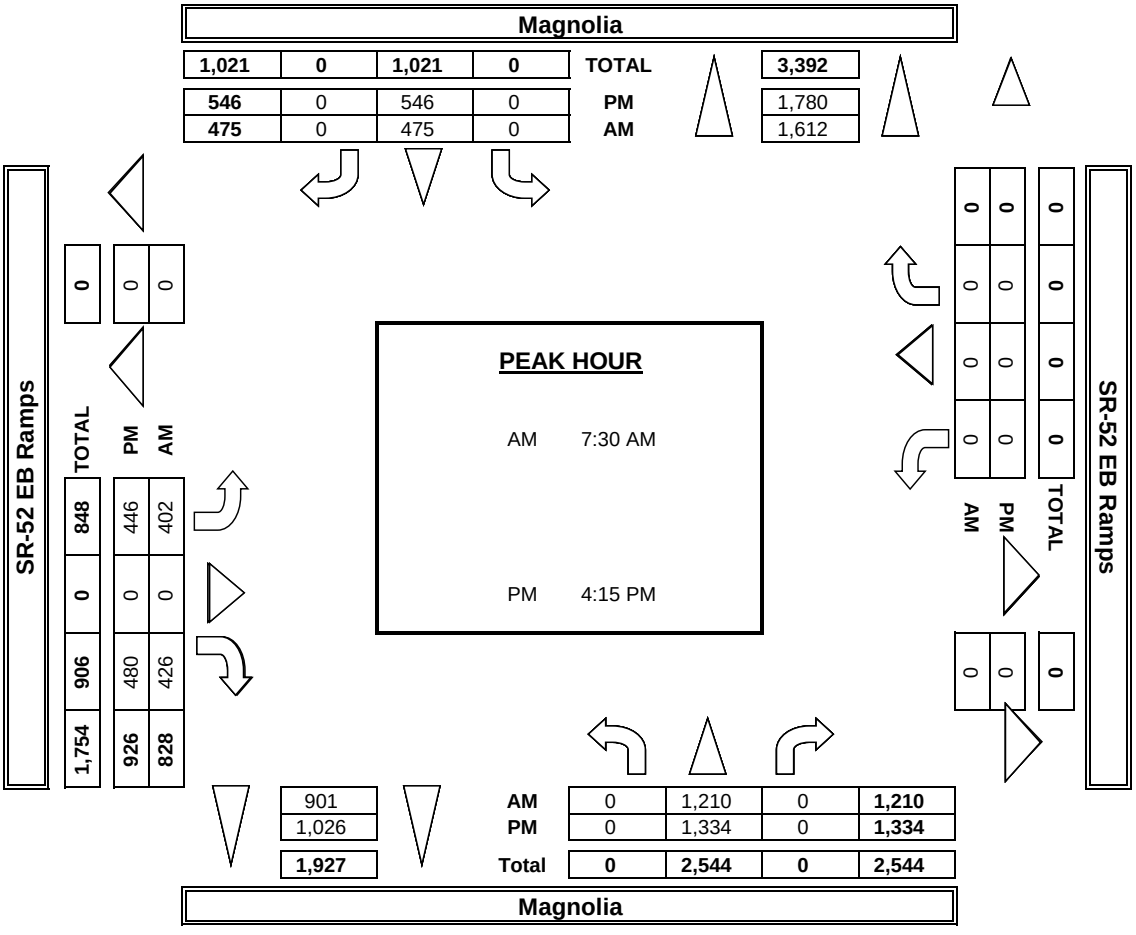
		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND SR-52 EB Ramps			WESTBOUND SR-52 EB Ramps				U-TURNS				
	LANES:	NL X	NT 2	NR X	SL X	ST 2	SR X	EL 1	ET X	ER 1	WL X	WT X	WR X	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	230	0	0	64	0	89	0	92	0	0	0	475	0	0	0	0	0
	7:15 AM	0	270	0	0	90	0	99	0	98	0	0	0	557	0	0	0	0	0
	7:30 AM	0	263	0	0	111	0	98	0	101	0	0	0	573	0	0	0	0	0
	7:45 AM	0	331	0	0	126	0	101	0	108	0	0	0	666	0	0	0	0	0
	8:00 AM	0	294	0	0	121	0	105	0	115	0	0	0	635	0	0	0	0	0
	8:15 AM	0	322	0	0	117	0	98	0	102	0	0	0	639	0	0	0	0	0
	8:30 AM	0	240	0	0	99	0	97	0	88	0	0	0	524	0	0	0	0	0
	8:45 AM	0	249	0	0	80	0	99	0	81	0	0	0	509	0	0	0	0	0
	VOLUMES	0	2,199	0	0	808	0	786	0	785	0	0	0	4,578	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	50%	0%	50%	0%	0%	0%						
	APP/DEPART	2,199	/	2,985	808	/	1,593	1,571	/	0	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	1,210	0	0	475	0	402	0	426	0	0	0	2,513					
	APPROACH %	0%	100%	0%	0%	100%	0%	49%	0%	51%	0%	0%	0%						
	PEAK HR FACTOR		0.914			0.942			0.941			0.000		0.943					
	APP/DEPART	1,210	/	1,612	475	/	901	828	/	0	0	/	0	0					
PM	4:00 PM	0	359	0	0	132	0	88	0	90	0	0	0	669	0	0	0	0	0
	4:15 PM	0	320	0	0	143	0	109	0	113	0	0	0	685	0	0	0	0	0
	4:30 PM	0	352	0	0	135	0	104	0	136	0	0	0	727	0	0	0	0	0
	4:45 PM	0	346	0	0	124	0	120	0	126	0	0	0	716	0	0	0	0	0
	5:00 PM	0	316	0	0	144	0	113	0	105	0	0	0	678	0	0	0	0	0
	5:15 PM	0	312	0	0	143	0	111	0	103	0	0	0	669	0	0	0	0	0
	5:30 PM	0	301	0	0	100	0	86	0	79	0	0	0	566	0	0	0	0	0
	5:45 PM	0	241	0	0	112	0	109	0	92	0	0	0	554	0	0	0	0	0
	VOLUMES	0	2,547	0	0	1,033	0	840	0	844	0	0	0	5,264	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	50%	0%	50%	0%	0%	0%						
	APP/DEPART	2,547	/	3,387	1,033	/	1,877	1,684	/	0	0	/	0	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	0	1,334	0	0	546	0	446	0	480	0	0	0	2,806					
	APPROACH %	0%	100%	0%	0%	100%	0%	48%	0%	52%	0%	0%	0%						
	PEAK HR FACTOR		0.947			0.948			0.941			0.000		0.965					
	APP/DEPART	1,334	/	1,780	546	/	1,026	926	/	0	0	/	0	0					

		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	1	1	2	0	0	0	1	1	0	0	1	0	1
	7:30 AM	0	0	1	1	2	0	0	0	1	1	0	0	1	0	1
	7:45 AM	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2
	8:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	3	4	7	0	0	0	2	2	0	0	3	2	5
PM	4:00 PM	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
	4:15 PM	0	1	0	2	3	0	1	0	1	2	0	0	0	1	1
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	2	0	2	0	0	0	0	0	0	0	2	0	2
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	1	2	3	0	0	0	1	1	0	0	1	1	2
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1
	TOTAL	0	1	4	5	10	0	1	0	3	4	0	0	4	2	6

AimTD LLC

TURNING MOVEMENT COUNTS





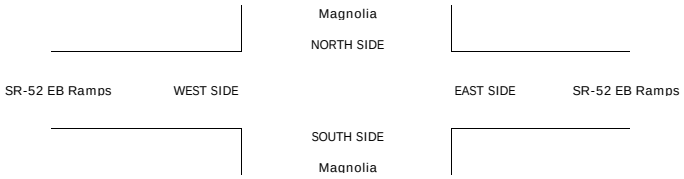
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: 5/2/23 TUESDAY	LOCATION:	Santee	PROJECT #:	SC3984
	NORTH & SOUTH:	Magnolia	LOCATION #:	1
	EAST & WEST:	SR-52 EB Ramps	CONTROL:	SIGNAL

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM PM MD OTHER OTHER	▲ N ◄ W E ► S ▼	
	Factor	1	1.5	2	3	2	2					

	NORTHBOUND (Magnolia)			SOUTHBOUND (Magnolia)			EASTBOUND (SR-52 EB Ramps)			WESTBOUND (SR-52 EB Ramps)				U-TURNS				
LANES:	NL X	NT 2	NR X	SL X	ST 2	SR X	EL 1	ET X	ER 1	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
7:00 AM	0	248	0	0	71	0	93	0	98	0	0	0	510					0
7:15 AM	0	285	0	0	96	0	104	0	104	0	0	0	588					0
7:30 AM	0	279	0	0	116	0	103	0	106	0	0	0	603					0
7:45 AM	0	347	0	0	133	0	104	0	113	0	0	0	697					0
8:00 AM	0	316	0	0	135	0	109	0	118	0	0	0	678					0
8:15 AM	0	344	0	0	122	0	102	0	105	0	0	0	672					0
8:30 AM	0	265	0	0	107	0	101	0	89	0	0	0	562					0
8:45 AM	0	268	0	0	87	0	101	0	83	0	0	0	538					0
AM VOLUMES	0	2,350	0	0	866	0	815	0	814	0	0	0	4,845	0	0	0	0	0
AM APPROACH %	0%	100%	0%	0%	100%	0%	50%	0%	50%	0%	0%	0%						
AM APP/DEPART	2,350	/	3,165	866	/	1,680	1,629	/	0	0	/	0	0					
AM BEGIN PEAK HR		7:30 AM																
AM VOLUMES	0	1,286	0	0	506	0	417	0	441	0	0	0	2,649					
AM APPROACH %	0%	100%	0%	0%	100%	0%	49%	0%	51%	0%	0%	0%						
AM PEAK HR FACTOR		0.927			0.940			0.945			0.000		0.951					
AM APP/DEPART	1,286	/	1,703	506	/	947	858	/	0	0	/	0	0					
4:00 PM	0	370	0	0	139	0	94	0	100	0	0	0	702					0
4:15 PM	0	333	0	0	147	0	112	0	121	0	0	0	712					0
4:30 PM	0	361	0	0	137	0	108	0	144	0	0	0	750					0
4:45 PM	0	361	0	0	125	0	123	0	132	0	0	0	740					0
5:00 PM	0	322	0	0	149	0	116	0	108	0	0	0	695					0
5:15 PM	0	319	0	0	145	0	115	0	108	0	0	0	687					0
5:30 PM	0	306	0	0	104	0	89	0	82	0	0	0	580					0
5:45 PM	0	249	0	0	116	0	113	0	94	0	0	0	571					0
PM VOLUMES	0	2,618	0	0	1,060	0	868	0	888	0	0	0	5,434	0	0	0	0	0
PM APPROACH %	0%	100%	0%	0%	100%	0%	49%	0%	51%	0%	0%	0%						
PM APP/DEPART	2,618	/	3,486	1,060	/	1,948	1,756	/	0	0	/	0	0					
PM BEGIN PEAK HR		4:15 PM																
PM VOLUMES	0	1,376	0	0	557	0	458	0	505	0	0	0	2,895					
PM APPROACH %	0%	100%	0%	0%	100%	0%	48%	0%	52%	0%	0%	0%						
PM PEAK HR FACTOR		0.953			0.935			0.945			0.000		0.966					
PM APP/DEPART	1,376	/	1,834	557	/	1,062	963	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

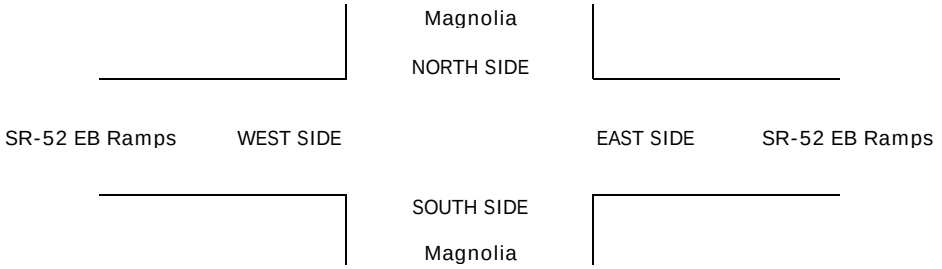
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Magnolia	LOCATION #:	1
TUESDAY	EAST & WEST:	SR-52 EB Ramps	CONTROL:	SIGNAL

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND (Magnolia)			SOUTHBOUND (Magnolia)			EASTBOUND (SR-52 EB Ramps)			WESTBOUND (SR-52 EB Ramps)				U-TURNS				
	LANES:	NL X	NT 2	NR X	SL X	ST 2	SR X	EL 1	ET X	ER 1	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	202	0	0	55	0	81	0	83	0	0	0	421	0	0	0	0	0
	7:15 AM	0	248	0	0	81	0	90	0	91	0	0	0	510	0	0	0	0	0
	7:30 AM	0	239	0	0	102	0	92	0	93	0	0	0	526	0	0	0	0	0
	7:45 AM	0	305	0	0	114	0	95	0	102	0	0	0	616	0	0	0	0	0
	8:00 AM	0	262	0	0	101	0	100	0	112	0	0	0	575	0	0	0	0	0
	8:15 AM	0	285	0	0	108	0	94	0	98	0	0	0	585	0	0	0	0	0
	8:30 AM	0	203	0	0	87	0	92	0	86	0	0	0	468	0	0	0	0	0
	8:45 AM	0	225	0	0	68	0	96	0	78	0	0	0	467	0	0	0	0	0
	VOLUMES	0	1,969	0	0	716	0	740	0	743	0	0	0	4,168	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	50%	0%	50%	0%	0%	0%						
	APP/DEPART	1,969	/	2,709	716	/	1,459	1,483	/	0	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	1,091	0	0	425	0	381	0	405	0	0	0	2,302					
	APPROACH %	0%	100%	0%	0%	100%	0%	48%	0%	52%	0%	0%	0%						
	PEAK HR FACTOR		0.894			0.932			0.927			0.000		0.934					
	APP/DEPART	1,091	/	1,472	425	/	830	786	/	0	0	/	0	0					
PM	4:00 PM	0	345	0	0	123	0	77	0	77	0	0	0	622	0	0	0	0	0
	4:15 PM	0	302	0	0	137	0	104	0	100	0	0	0	643	0	0	0	0	0
	4:30 PM	0	338	0	0	132	0	97	0	123	0	0	0	690	0	0	0	0	0
	4:45 PM	0	329	0	0	123	0	115	0	119	0	0	0	686	0	0	0	0	0
	5:00 PM	0	306	0	0	136	0	110	0	99	0	0	0	651	0	0	0	0	0
	5:15 PM	0	299	0	0	139	0	106	0	97	0	0	0	641	0	0	0	0	0
	5:30 PM	0	293	0	0	96	0	83	0	74	0	0	0	546	0	0	0	0	0
	5:45 PM	0	231	0	0	107	0	103	0	88	0	0	0	529	0	0	0	0	0
	VOLUMES	0	2,443	0	0	993	0	795	0	777	0	0	0	5,008	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	51%	0%	49%	0%	0%	0%						
	APP/DEPART	2,443	/	3,238	993	/	1,770	1,572	/	0	0	/	0	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	0	1,275	0	0	528	0	426	0	441	0	0	0	2,670					
	APPROACH %	0%	100%	0%	0%	100%	0%	49%	0%	51%	0%	0%	0%						
	PEAK HR FACTOR		0.943			0.964			0.926			0.000		0.967					
	APP/DEPART	1,275	/	1,701	528	/	969	867	/	0	0	/	0	0					



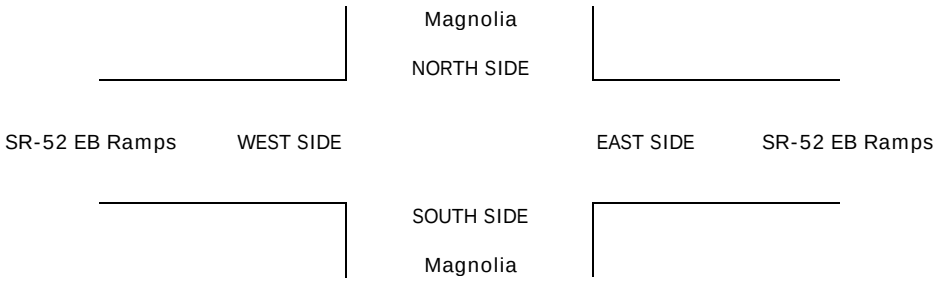
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Magnolia	LOCATION #:	1	
	EAST & WEST:	SR-52 EB Ramps	CONTROL:	SIGNAL	

CLASS 2:	NOTES:	AM		▲ N	
2-AXLE		PM			
WORK		MD	◄ W		E ►
VEHICLES/		OTHER		S	
TRUCKS		OTHER		▼	

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND SR-52 EB Ramps			WESTBOUND SR-52 EB Ramps				U-TURNS				
	LANES:	NL X	NT 2	NR X	SL X	ST 2	SR X	EL 1	ET X	ER 1	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	22	0	0	5	0	8	0	8	0	0	0	43	0	0	0	0	0
	7:15 AM	0	17	0	0	6	0	9	0	5	0	0	0	37	0	0	0	0	0
	7:30 AM	0	16	0	0	8	0	5	0	7	0	0	0	36	0	0	0	0	0
	7:45 AM	0	21	0	0	10	0	6	0	4	0	0	0	41	0	0	0	0	0
	8:00 AM	0	24	0	0	15	0	4	0	2	0	0	0	45	0	0	0	0	0
	8:15 AM	0	32	0	0	8	0	3	0	3	0	0	0	46	0	0	0	0	0
	8:30 AM	0	27	0	0	8	0	4	0	2	0	0	0	41	0	0	0	0	0
	8:45 AM	0	17	0	0	10	0	3	0	3	0	0	0	33	0	0	0	0	0
	VOLUMES	0	176	0	0	70	0	42	0	34	0	0	0	322	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	55%	0%	45%	0%	0%	0%						
	APP/DEPART	176	/	218	70	/	104	76	/	0	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	93	0	0	41	0	18	0	16	0	0	0	168					
	APPROACH %	0%	100%	0%	0%	100%	0%	53%	0%	47%	0%	0%	0%						
	PEAK HR FACTOR		0.727			0.683			0.708			0.000		0.913					
	APP/DEPART	93	/	111	41	/	57	34	/	0	0	/	0	0					
PM	4:00 PM	0	11	0	0	7	0	11	0	10	0	0	0	39	0	0	0	0	0
	4:15 PM	0	13	0	0	5	0	5	0	10	0	0	0	33	0	0	0	0	0
	4:30 PM	0	10	0	0	2	0	7	0	12	0	0	0	31	0	0	0	0	0
	4:45 PM	0	11	0	0	1	0	4	0	5	0	0	0	21	0	0	0	0	0
	5:00 PM	0	9	0	0	6	0	2	0	6	0	0	0	23	0	0	0	0	0
	5:15 PM	0	12	0	0	4	0	4	0	5	0	0	0	25	0	0	0	0	0
	5:30 PM	0	7	0	0	1	0	2	0	4	0	0	0	14	0	0	0	0	0
	5:45 PM	0	5	0	0	3	0	5	0	4	0	0	0	17	0	0	0	0	0
	VOLUMES	0	78	0	0	29	0	40	0	56	0	0	0	203	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	42%	0%	58%	0%	0%	0%						
	APP/DEPART	78	/	118	29	/	85	96	/	0	0	/	0	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	0	43	0	0	14	0	18	0	33	0	0	0	108					
	APPROACH %	0%	100%	0%	0%	100%	0%	35%	0%	65%	0%	0%	0%						
	PEAK HR FACTOR		0.827			0.583			0.671			0.000		0.818					
	APP/DEPART	43	/	61	14	/	47	51	/	0	0	/	0	0					



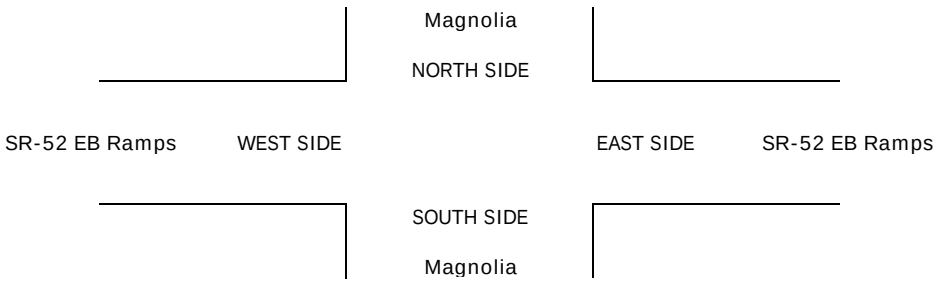
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Magnolia	LOCATION #:	1	
	EAST & WEST:	SR-52 EB Ramps	CONTROL:	SIGNAL	

CLASS 3:	NOTES:	AM / PM / MD / OTHER / OTHER	▲ N / ◄ W / E ► / S ▼
3-AXLE TRUCKS			

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND SR-52 EB Ramps			WESTBOUND SR-52 EB Ramps				U-TURNS				
	LANES:	NL X	NT 2	NR X	SL X	ST 2	SR X	EL 1	ET X	ER 1	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	4	0	0	4	0	0	0	0	0	0	0	8	0	0	0	0	0
	7:15 AM	0	2	0	0	2	0	0	0	1	0	0	0	5	0	0	0	0	0
	7:30 AM	0	6	0	0	1	0	0	0	1	0	0	0	8	0	0	0	0	0
	7:45 AM	0	4	0	0	2	0	0	0	1	0	0	0	7	0	0	0	0	0
	8:00 AM	0	6	0	0	1	0	0	0	0	0	0	0	7	0	0	0	0	0
	8:15 AM	0	3	0	0	1	0	0	0	1	0	0	0	5	0	0	0	0	0
	8:30 AM	0	5	0	0	3	0	0	0	0	0	0	0	8	0	0	0	0	0
	8:45 AM	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	VOLUMES	0	32	0	0	14	0	0	0	4	0	0	0	50	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%						
	APP/DEPART	32	/	32	14	/	18	4	/	0	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	19	0	0	5	0	0	0	3	0	0	0	27					
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%						
	PEAK HR FACTOR		0.792			0.625			0.750			0.000		0.844					
	APP/DEPART	19	/	19	5	/	8	3	/	0	0	/	0	0					
PM	4:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:15 PM	0	3	0	0	1	0	0	0	2	0	0	0	6	0	0	0	0	0
	4:30 PM	0	4	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
	4:45 PM	0	1	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0
	5:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0
	5:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:30 PM	0	0	0	0	3	0	0	0	1	0	0	0	4	0	0	0	0	0
	5:45 PM	0	4	0	0	1	0	0	0	0	0	0	0	5	0	0	0	0	0
	VOLUMES	0	15	0	0	6	0	0	0	4	0	0	0	25	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%						
	APP/DEPART	15	/	15	6	/	10	4	/	0	0	/	0	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	0	9	0	0	2	0	0	0	3	0	0	0	14					
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%						
	PEAK HR FACTOR		0.563			0.500			0.375			0.000		0.583					
	APP/DEPART	9	/	9	2	/	5	3	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Magnolia	LOCATION #:	1	
	EAST & WEST:	SR-52 EB Ramps	CONTROL:	SIGNAL	

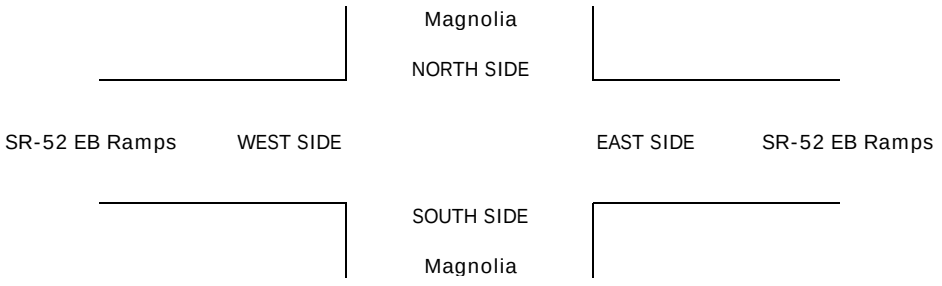
CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM PM MD OTHER OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND SR-52 EB Ramps			WESTBOUND SR-52 EB Ramps				U-TURNS				
	LANES:	NL X	NT 2	NR X	SL X	ST 2	SR X	EL 1	ET X	ER 1	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	1	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0
	7:15 AM	0	1	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	8:00 AM	0	2	0	0	1	0	1	0	1	0	0	0	5	0	0	0	0	0
	8:15 AM	0	1	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0
	8:30 AM	0	1	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0
	8:45 AM	0	3	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
	VOLUMES	0	9	0	0	1	0	4	0	4	0	0	0	18	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	50%	0%	50%	0%	0%	0%						
	APP/DEPART	9	/	13	1	/	5	8	/	0	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	3	0	0	1	0	3	0	2	0	0	0	9					
	APPROACH %	0%	100%	0%	0%	100%	0%	60%	0%	40%	0%	0%	0%						
	PEAK HR FACTOR		0.375			0.250			0.625			0.000		0.450					
	APP/DEPART	3	/	6	1	/	3	5	/	0	0	/	0	0					
PM	4:00 PM	0	2	0	0	1	0	0	0	2	0	0	0	5	0	0	0	0	0
	4:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	4:45 PM	0	3	0	0	0	0	0	0	1	0	0	0	4	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	1	0	1	0	0	0	2	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	6	0	0	1	0	3	0	5	0	0	0	15	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	38%	0%	63%	0%	0%	0%						
	APP/DEPART	6	/	9	1	/	6	8	/	0	0	/	0	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	0	4	0	0	0	0	1	0	2	0	0	0	7					
	APPROACH %	0%	100%	0%	0%	0%	0%	33%	0%	67%	0%	0%	0%						
	PEAK HR FACTOR		0.333			0.000			0.750			0.000		0.438					
	APP/DEPART	4	/	5	0	/	2	3	/	0	0	/	0	0					



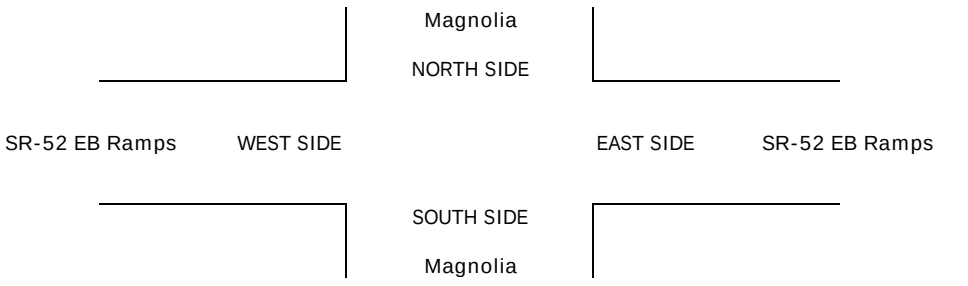
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Magnolia	LOCATION #:	1	
	EAST & WEST:	SR-52 EB Ramps	CONTROL:	SIGNAL	

CLASS 5:	NOTES:	AM		▲ N	
RV		PM			
		MD	◄ W		E ►
		OTHER		S	
		OTHER		▼	

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND SR-52 EB Ramps			WESTBOUND SR-52 EB Ramps				U-TURNS				
	LANES:	NL X	NT 2	NR X	SL X	ST 2	SR X	EL 1	ET X	ER 1	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	VOLUMES	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	2	/	2	0	/	0	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	1	0	0	0	0	0	0	0	1					
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.250			0.000			0.000		0.250					
	APP/DEPART	0	/	0	1	/	1	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



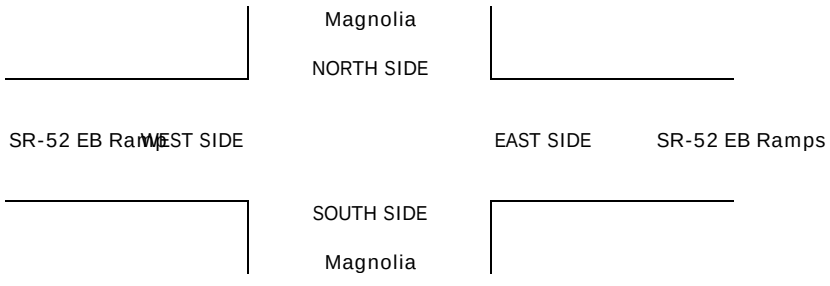
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Magnolia	LOCATION #:	1
TUESDAY	EAST & WEST:	SR-52 EB Ramps	CONTROL:	SIGNAL

CLASS 6:	NOTES:	AM / PM / MD / OTHER / OTHER
BUSES		▲ N ◄ W E ► S ▼

		NORTHBOUND (Magnolia)			SOUTHBOUND (Magnolia)			EASTBOUND (SR-52 EB Ramps)			WESTBOUND (SR-52 EB Ramps)				U-TURNS				
	LANES:	NL X	NT 2	NR X	SL X	ST 2	SR X	EL 1	ET X	ER 1	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	7:15 AM	0	2	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0
	7:30 AM	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	7:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:00 AM	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0
	8:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:30 AM	0	4	0	0	1	0	0	0	0	0	0	0	5	0	0	0	0	0
	8:45 AM	0	2	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0
	VOLUMES	0	13	0	0	5	0	0	0	0	0	0	0	18	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	13	/	13	5	/	5	0	/	0	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	4	0	0	2	0	0	0	0	0	0	0	6					
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.500			0.250			0.000			0.000		0.750					
	APP/DEPART	4	/	4	2	/	2	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0	0	0
	4:15 PM	0	1	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0
	4:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:45 PM	0	2	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	0
	5:00 PM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:45 PM	0	1	0	0	1	0	1	0	0	0	0	0	3	0	0	0	0	0
	VOLUMES	0	5	0	0	4	0	2	0	2	0	0	0	13	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	50%	0%	50%	0%	0%	0%						
	APP/DEPART	5	/	7	4	/	6	4	/	0	0	/	0	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	0	3	0	0	2	0	1	0	1	0	0	0	7					
	APPROACH %	0%	100%	0%	0%	100%	0%	50%	0%	50%	0%	0%	0%						
	PEAK HR FACTOR		0.375			0.500			0.500			0.000		0.583					
	APP/DEPART	3	/	4	2	/	3	2	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, May 2, 23

LOCATION: Santee
NORTH & SOUTH: Magnolia
EAST & WEST: SR-52 WB Ramps

PROJECT #: SC3984
LOCATION #: 2
CONTROL: SIGNAL

NOTES:

AM
PM
MD
OTHER
OTHER

▲ N
◄ W
E ►
S ▼

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND SR-52 WB Ramps			WESTBOUND SR-52 WB Ramps				U-TURNS				
	LANES:	NL 2	NT 3	NR 1	SL 2	ST 2	SR 0	EL X	ET X	ER X	WL X	WT X	WR X	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	81	213	25	99	64	73	0	0	0	0	0	0	555	0	0	0	0	0
	7:15 AM	81	252	36	141	90	56	0	0	0	0	0	0	656	0	1	0	0	1
	7:30 AM	65	254	42	153	112	64	0	0	0	0	0	0	690	0	0	0	0	0
	7:45 AM	65	337	30	113	127	67	0	0	0	0	0	0	739	0	1	0	0	1
	8:00 AM	66	306	27	117	123	47	0	0	0	0	0	0	686	0	0	0	0	0
	8:15 AM	77	306	32	116	117	66	0	0	0	0	0	0	714	0	1	0	0	1
	8:30 AM	79	228	30	123	100	53	0	0	0	0	0	0	613	0	2	0	0	2
	8:45 AM	64	247	37	117	80	53	0	0	0	0	0	0	598	0	4	0	0	4
	VOLUMES	578	2,143	259	979	813	479	0	0	0	0	0	0	5,251	0	9	0	0	9
	APPROACH %	19%	72%	9%	43%	36%	21%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	2,980	/	2,152	2,271	/	813	0	/	1,229	0	/	1,057	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	273	1,203	131	499	479	244	0	0	0	0	0	0	2,829					
	APPROACH %	17%	75%	8%	41%	39%	20%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.930			0.929			0.000			0.000		0.957					
	APP/DEPART	1,607	/	1,205	1,222	/	479	0	/	628	0	/	517	0					
PM	4:00 PM	70	335	42	122	132	77	0	0	0	0	0	0	778	0	0	0	0	0
	4:15 PM	67	324	38	121	144	57	0	0	0	0	0	0	751	0	0	0	0	0
	4:30 PM	51	371	34	137	136	63	0	0	0	0	0	0	792	0	0	0	0	0
	4:45 PM	73	355	38	110	124	71	0	0	0	0	0	0	771	0	0	0	0	0
	5:00 PM	53	338	38	170	145	80	0	0	0	0	0	0	824	0	0	0	0	0
	5:15 PM	43	346	33	166	143	94	0	0	0	0	0	0	825	0	0	0	0	0
	5:30 PM	59	304	21	151	100	67	0	0	0	0	0	0	702	0	1	0	0	1
	5:45 PM	45	291	14	120	113	60	0	0	0	0	0	0	643	0	0	0	0	0
	VOLUMES	461	2,664	258	1,097	1,037	569	0	0	0	0	0	0	6,086	0	1	0	0	1
	APPROACH %	14%	79%	8%	41%	38%	21%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	3,383	/	2,665	2,703	/	1,037	0	/	1,354	0	/	1,030	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	220	1,410	143	583	548	308	0	0	0	0	0	0	3,212					
	APPROACH %	12%	80%	8%	41%	38%	21%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.951			0.893			0.000			0.000		0.973					
	APP/DEPART	1,773	/	1,410	1,439	/	548	0	/	726	0	/	528	0					

Magnolia

NORTH SIDE

SR-52 WB Ramps WEST SIDE EAST SIDE SR-52 WB Ramps

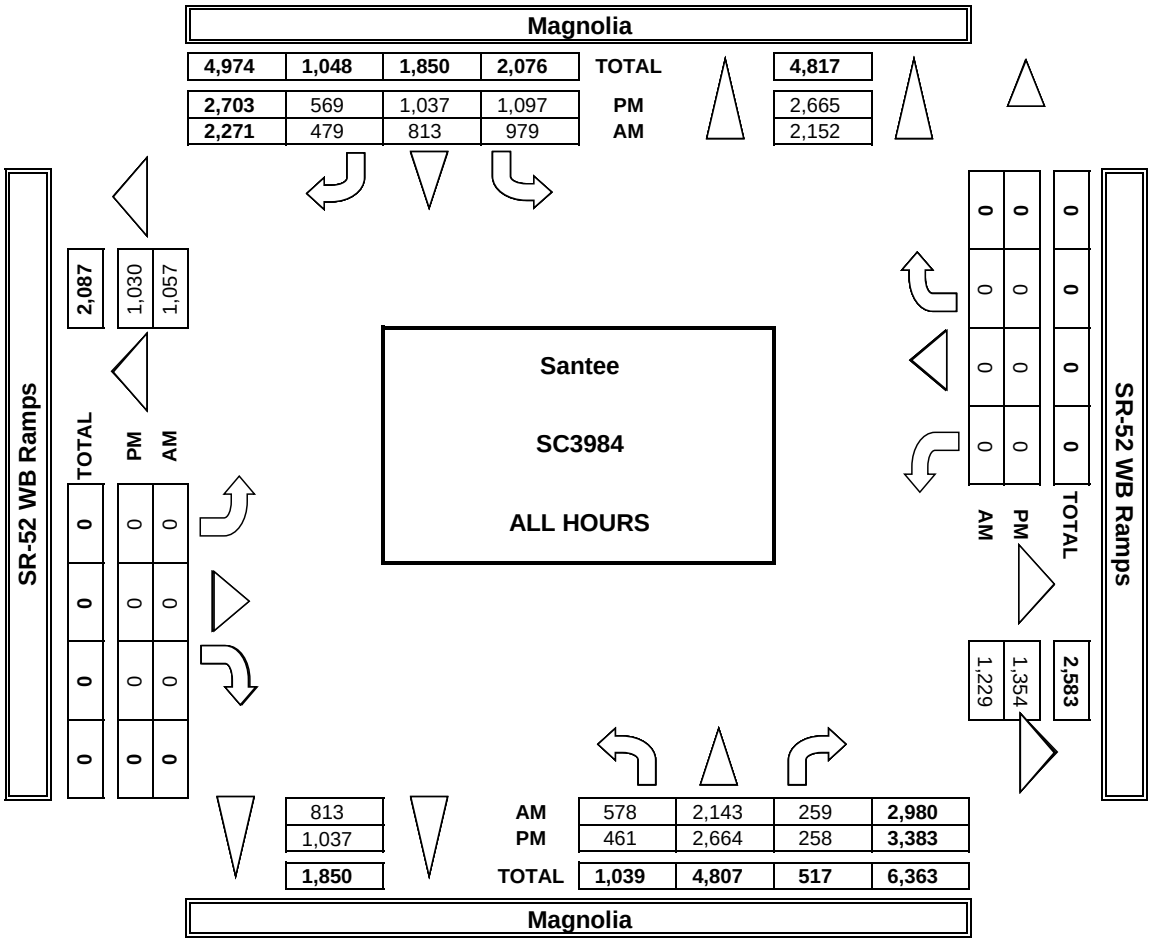
SOUTH SIDE

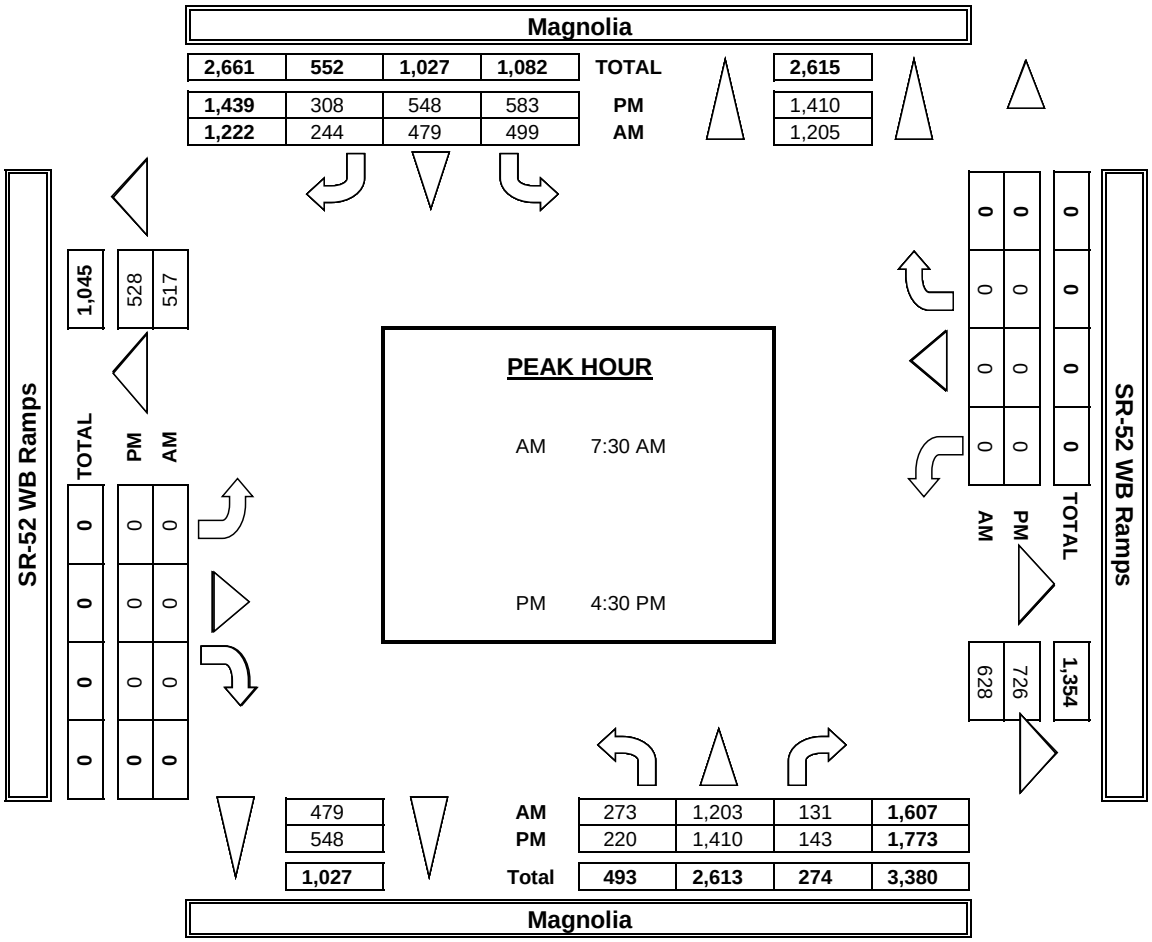
Magnolia

		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0
	7:30 AM	0	0	1	1	2	0	0	1	0	1	0	0	0	1	1
	7:45 AM	0	0	2	1	3	0	0	1	0	1	0	0	1	1	2
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	1	1	2	0	0	1	1	2	0	0	0	0	0
	8:30 AM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0
	8:45 AM	0	0	4	0	4	0	0	3	0	3	0	0	1	0	1
	TOTAL	0	0	10	3	13	0	0	8	1	9	0	0	2	2	4
PM	4:00 PM	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
	4:15 PM	0	0	4	1	5	0	0	4	1	5	0	0	0	0	0
	4:30 PM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0
	4:45 PM	0	0	3	0	3	0	0	2	0	2	0	0	1	0	1
	5:00 PM	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
	5:15 PM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0
	5:30 PM	0	0	2	0	2	0	0	2	0	2	0	0	0	0	0
	5:45 PM	0	0	1	1	2	0	0	1	0	1	0	0	0	1	1
	TOTAL	0	0	12	4	16	0	0	11	2	13	0	0	1	2	3

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

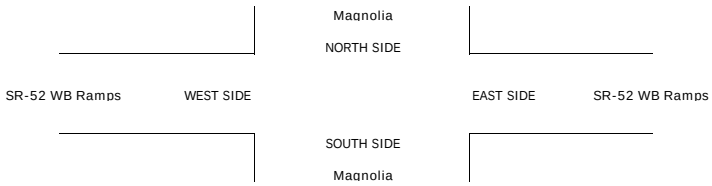
DATE: 5/2/23 TUESDAY	LOCATION:	Santee	PROJECT #:	SC3984
	NORTH & SOUTH:	Magnolia	LOCATION #:	2
	EAST & WEST:	SR-52 WB Ramps	CONTROL:	SIGNAL

NOTES:

PCE Adjusted	Class	1	2	3	4	5	6	
	Factor	1	1.5	2	3	2	2	

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND SR-52 WB Ramps			WESTBOUND SR-52 WB Ramps				U-TURNS				
	LANES:	NL 2	NT 3	NR 1	SL 2	ST 2	SR 0	EL X	ET X	ER X	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	90	223	29	105	71	78	0	0	0	0	0	0	594					0
	7:15 AM	85	265	41	151	96	59	0	0	0	0	0	0	695					0
	7:30 AM	69	270	43	160	117	66	0	0	0	0	0	0	724					0
	7:45 AM	69	351	31	116	134	70	0	0	0	0	0	0	770					0
	8:00 AM	73	327	28	121	137	48	0	0	0	0	0	0	732					0
	8:15 AM	82	319	38	125	122	72	0	0	0	0	0	0	757					0
	8:30 AM	87	244	33	125	108	55	0	0	0	0	0	0	651					0
	8:45 AM	69	259	41	122	87	56	0	0	0	0	0	0	632					0
	VOLUMES	622	2,257	282	1,023	871	501	0	0	0	0	0	0	5,555	0	0	0	0	0
	APPROACH %	20%	71%	9%	43%	36%	21%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	3,160	/	2,257	2,395	/	871	0	/	1,304	0	/	1,123	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	292	1,267	139	521	510	255	0	0	0	0	0	0	2,983					
	APPROACH %	17%	75%	8%	41%	40%	20%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.942			0.938			0.000			0.000		0.969					
	APP/DEPART	1,698	/	1,267	1,285	/	510	0	/	660	0	/	547	0					
PM	4:00 PM	72	349	43	126	139	79	0	0	0	0	0	0	806					0
	4:15 PM	71	336	39	126	148	60	0	0	0	0	0	0	778					0
	4:30 PM	53	381	35	138	138	66	0	0	0	0	0	0	810					0
	4:45 PM	81	365	39	114	125	73	0	0	0	0	0	0	795					0
	5:00 PM	54	346	39	172	150	82	0	0	0	0	0	0	841					0
	5:15 PM	45	355	34	168	145	97	0	0	0	0	0	0	843					0
	5:30 PM	62	309	21	154	104	70	0	0	0	0	0	0	718					0
	5:45 PM	46	301	14	123	117	63	0	0	0	0	0	0	663					0
	VOLUMES	482	2,739	262	1,120	1,064	587	0	0	0	0	0	0	6,253	0	0	0	0	0
	APPROACH %	14%	79%	8%	40%	38%	21%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	3,483	/	2,739	2,770	/	1,064	0	/	1,382	0	/	1,069	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	232	1,445	146	592	558	317	0	0	0	0	0	0	3,288					
	APPROACH %	13%	79%	8%	40%	38%	22%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.942			0.895			0.000			0.000		0.976					
	APP/DEPART	1,823	/	1,445	1,466	/	558	0	/	737	0	/	549	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

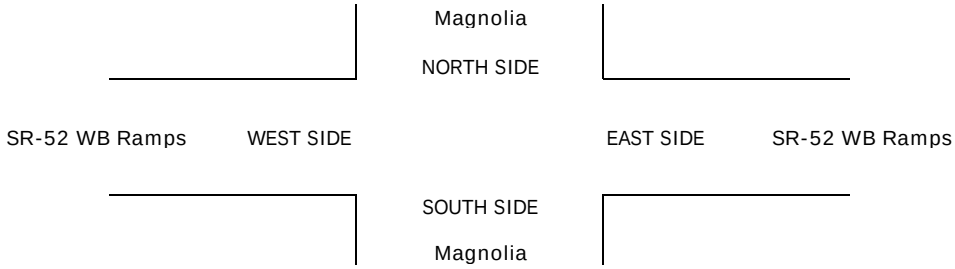
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Magnolia	LOCATION #:	2
TUESDAY	EAST & WEST:	SR-52 WB Ramps	CONTROL:	SIGNAL

CLASS 1: PASSENGER VEHICLES

NOTES:

AM PM MD OTHER OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND (Magnolia)			SOUTHBOUND (Magnolia)			EASTBOUND (SR-52 WB Ramps)			WESTBOUND (SR-52 WB Ramps)				U-TURNS				
	LANES:	NL 2	NT 3	NR 1	SL 2	ST 2	SR 0	EL X	ET X	ER X	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	69	194	20	92	55	69	0	0	0	0	0	0	499	0	0	0	0	0
	7:15 AM	74	233	30	128	81	51	0	0	0	0	0	0	597	0	1	0	0	1
	7:30 AM	60	231	40	140	103	61	0	0	0	0	0	0	635	0	0	0	0	0
	7:45 AM	58	313	29	108	115	63	0	0	0	0	0	0	686	0	1	0	0	1
	8:00 AM	58	277	26	110	103	45	0	0	0	0	0	0	619	0	0	0	0	0
	8:15 AM	68	283	24	101	108	57	0	0	0	0	0	0	641	0	1	0	0	1
	8:30 AM	66	205	25	119	88	50	0	0	0	0	0	0	553	0	2	0	0	2
	8:45 AM	55	233	33	109	68	48	0	0	0	0	0	0	546	0	4	0	0	4
	VOLUMES	508	1,969	227	907	721	444	0	0	0	0	0	0	4,776	0	9	0	0	9
	APPROACH %	19%	73%	8%	44%	35%	21%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	2,704	/	1,978	2,072	/	721	0	/	1,125	0	/	952	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	244	1,104	119	457	429	226	0	0	0	0	0	0	2,581					
	APPROACH %	17%	75%	8%	41%	39%	20%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.917			0.916			0.000			0.000		0.941					
	APP/DEPART	1,467	/	1,106	1,114	/	429	0	/	576	0	/	470	0					
PM	4:00 PM	67	315	40	117	123	74	0	0	0	0	0	0	736	0	0	0	0	0
	4:15 PM	61	307	37	115	138	53	0	0	0	0	0	0	711	0	0	0	0	0
	4:30 PM	48	355	32	135	133	59	0	0	0	0	0	0	762	0	0	0	0	0
	4:45 PM	67	340	37	105	123	69	0	0	0	0	0	0	741	0	0	0	0	0
	5:00 PM	52	327	37	167	137	78	0	0	0	0	0	0	798	0	0	0	0	0
	5:15 PM	39	333	32	163	139	88	0	0	0	0	0	0	794	0	0	0	0	0
	5:30 PM	54	298	21	147	96	65	0	0	0	0	0	0	681	0	1	0	0	1
	5:45 PM	44	276	14	115	108	58	0	0	0	0	0	0	615	0	0	0	0	0
	VOLUMES	432	2,551	250	1,064	997	544	0	0	0	0	0	0	5,838	0	1	0	0	1
	APPROACH %	13%	79%	8%	41%	38%	21%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	3,233	/	2,552	2,605	/	997	0	/	1,313	0	/	976	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	206	1,355	138	570	532	294	0	0	0	0	0	0	3,095					
	APPROACH %	12%	80%	8%	41%	38%	21%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.957			0.895			0.000			0.000		0.970					
	APP/DEPART	1,699	/	1,355	1,396	/	532	0	/	708	0	/	500	0					



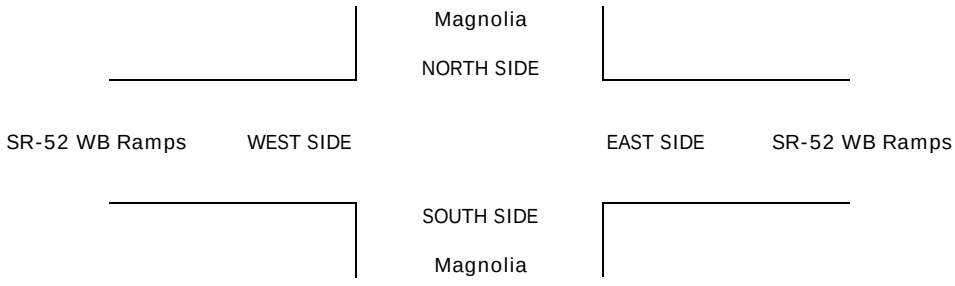
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Magnolia	LOCATION #:	2	
	EAST & WEST:	SR-52 WB Ramps	CONTROL:	SIGNAL	

CLASS 2:	NOTES:	AM		▲ N	
2-AXLE		PM			
WORK		MD	◄ W		E ►
VEHICLES/		OTHER		S	
TRUCKS		OTHER		▼	

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND SR-52 WB Ramps			WESTBOUND SR-52 WB Ramps				U-TURNS				
	LANES:	NL 2	NT 3	NR 1	SL 2	ST 2	SR 0	EL X	ET X	ER X	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	9	18	3	5	5	2	0	0	0	0	0	0	42	0	0	0	0	0
	7:15 AM	7	14	5	9	6	5	0	0	0	0	0	0	46	0	0	0	0	0
	7:30 AM	2	17	2	12	8	3	0	0	0	0	0	0	44	0	0	0	0	0
	7:45 AM	6	20	1	5	10	3	0	0	0	0	0	0	45	0	0	0	0	0
	8:00 AM	5	22	1	7	15	2	0	0	0	0	0	0	52	0	0	0	0	0
	8:15 AM	9	20	6	12	8	7	0	0	0	0	0	0	62	0	0	0	0	0
	8:30 AM	10	17	4	4	8	3	0	0	0	0	0	0	46	0	0	0	0	0
	8:45 AM	8	9	3	7	10	5	0	0	0	0	0	0	42	0	0	0	0	0
	VOLUMES	56	137	25	61	70	30	0	0	0	0	0	0	379	0	0	0	0	0
	APPROACH %	26%	63%	11%	38%	43%	19%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	218	/	137	161	/	70	0	/	86	0	/	86	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	22	79	10	36	41	15	0	0	0	0	0	0	203					
	APPROACH %	20%	71%	9%	39%	45%	16%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.793			0.852			0.000			0.000		0.819					
	APP/DEPART	111	/	79	92	/	41	0	/	46	0	/	37	0					
PM	4:00 PM	3	17	2	4	7	3	0	0	0	0	0	0	36	0	0	0	0	0
	4:15 PM	4	13	1	5	5	3	0	0	0	0	0	0	31	0	0	0	0	0
	4:30 PM	2	13	2	2	2	3	0	0	0	0	0	0	24	0	0	0	0	0
	4:45 PM	3	11	1	4	1	1	0	0	0	0	0	0	21	0	0	0	0	0
	5:00 PM	1	9	1	2	6	1	0	0	0	0	0	0	20	0	0	0	0	0
	5:15 PM	4	11	1	3	4	6	0	0	0	0	0	0	29	0	0	0	0	0
	5:30 PM	5	4	0	3	1	1	0	0	0	0	0	0	14	0	0	0	0	0
	5:45 PM	0	10	0	4	3	1	0	0	0	0	0	0	18	0	0	0	0	0
	VOLUMES	22	88	8	27	29	19	0	0	0	0	0	0	193	0	0	0	0	0
	APPROACH %	19%	75%	7%	36%	39%	25%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	118	/	88	75	/	29	0	/	35	0	/	41	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	10	44	5	11	13	11	0	0	0	0	0	0	94					
	APPROACH %	17%	75%	8%	31%	37%	31%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.868			0.673			0.000			0.000		0.810					
	APP/DEPART	59	/	44	35	/	13	0	/	16	0	/	21	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Magnolia	LOCATION #:	2	
	EAST & WEST:	SR-52 WB Ramps	CONTROL:	SIGNAL	

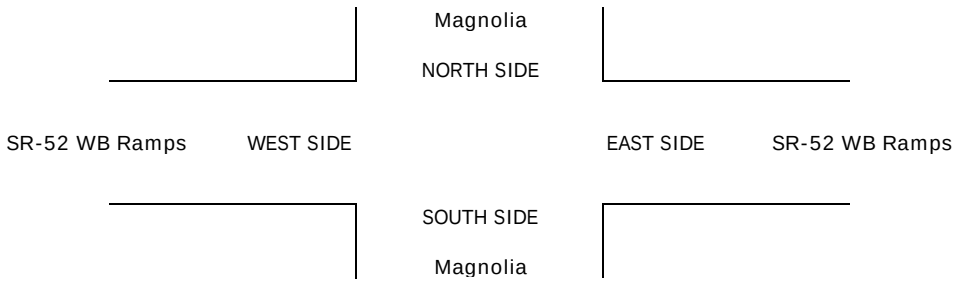
CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND SR-52 WB Ramps			WESTBOUND SR-52 WB Ramps				U-TURNS				
	LANES:	NL 2	NT 3	NR 1	SL 2	ST 2	SR 0	EL X	ET X	ER X	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	2	1	1	1	4	0	0	0	0	0	0	0	9	0	0	0	0	0
	7:15 AM	0	2	0	2	2	0	0	0	0	0	0	0	6	0	0	0	0	0
	7:30 AM	2	4	0	1	1	0	0	0	0	0	0	0	8	0	0	0	0	0
	7:45 AM	1	3	0	0	2	1	0	0	0	0	0	0	7	0	0	0	0	0
	8:00 AM	2	4	0	0	1	0	0	0	0	0	0	0	7	0	0	0	0	0
	8:15 AM	0	2	1	3	1	2	0	0	0	0	0	0	9	0	0	0	0	0
	8:30 AM	1	3	1	0	3	0	0	0	0	0	0	0	8	0	0	0	0	0
	8:45 AM	1	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	VOLUMES	9	20	3	7	14	3	0	0	0	0	0	0	56	0	0	0	0	0
	APPROACH %	28%	63%	9%	29%	58%	13%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	32	/	20	24	/	14	0	/	10	0	/	12	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	5	13	1	4	5	3	0	0	0	0	0	0	31					
	APPROACH %	26%	68%	5%	33%	42%	25%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.792			0.500			0.000			0.000		0.861					
	APP/DEPART	19	/	13	12	/	5	0	/	5	0	/	8	0					
PM	4:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:15 PM	2	1	0	0	1	1	0	0	0	0	0	0	5	0	0	0	0	0
	4:30 PM	1	3	0	0	0	1	0	0	0	0	0	0	5	0	0	0	0	0
	4:45 PM	0	1	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0
	5:00 PM	0	1	0	0	1	1	0	0	0	0	0	0	3	0	0	0	0	0
	5:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:30 PM	0	0	0	1	3	0	0	0	0	0	0	0	4	0	0	0	0	0
	5:45 PM	1	3	0	1	1	0	0	0	0	0	0	0	6	0	0	0	0	0
	VOLUMES	4	11	0	2	6	4	0	0	0	0	0	0	27	0	0	0	0	0
	APPROACH %	27%	73%	0%	17%	50%	33%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	15	/	11	12	/	6	0	/	2	0	/	8	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	1	6	0	0	1	3	0	0	0	0	0	0	11					
	APPROACH %	14%	86%	0%	0%	25%	75%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.438			0.500			0.000			0.000		0.550					
	APP/DEPART	7	/	6	4	/	1	0	/	0	0	/	4	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Magnolia	LOCATION #:	2	
	EAST & WEST:	SR-52 WB Ramps	CONTROL:	SIGNAL	

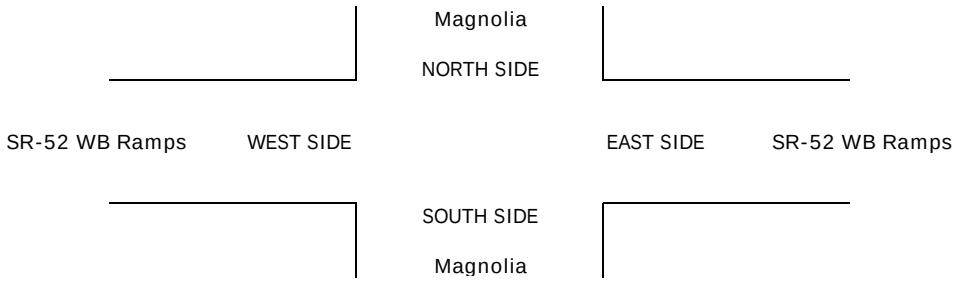
CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND SR-52 WB Ramps			WESTBOUND SR-52 WB Ramps				U-TURNS				
	LANES:	NL 2	NT 3	NR 1	SL 2	ST 2	SR 0	EL X	ET X	ER X	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	1	0	0	1	0	2	0	0	0	0	0	0	4	0	0	0	0	0
	7:15 AM	0	1	1	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0
	7:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	1	3	0	0	1	0	0	0	0	0	0	0	5	0	0	0	0	0
	8:15 AM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:45 AM	0	2	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
	VOLUMES	2	8	3	2	1	2	0	0	0	0	0	0	18	0	0	0	0	0
	APPROACH %	15%	62%	23%	40%	20%	40%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	13	/	8	5	/	1	0	/	5	0	/	4	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	1	4	1	0	1	0	0	0	0	0	0	0	7					
	APPROACH %	17%	67%	17%	0%	100%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.375			0.250			0.000			0.000		0.350					
	APP/DEPART	6	/	4	1	/	1	0	/	1	0	/	1	0					
PM	4:00 PM	0	2	0	1	1	0	0	0	0	0	0	0	4	0	0	0	0	0
	4:15 PM	0	1	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	3	0	0	1	0	0	0	0	0	0	0	0	4	0	0	0	0	0
	5:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:30 PM	0	1	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0
	5:45 PM	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	VOLUMES	3	6	0	3	1	2	0	0	0	0	0	0	15	0	0	0	0	0
	APPROACH %	33%	67%	0%	50%	17%	33%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	9	/	6	6	/	1	0	/	3	0	/	5	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	3	2	0	1	0	0	0	0	0	0	0	0	6					
	APPROACH %	60%	40%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.417			0.250			0.000			0.000		0.375					
	APP/DEPART	5	/	2	1	/	0	0	/	1	0	/	3	0					



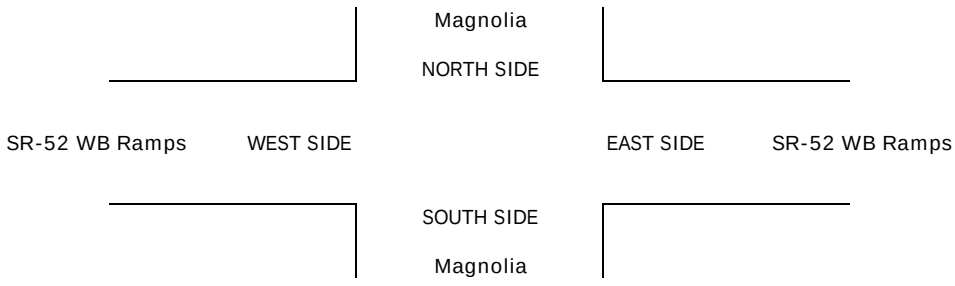
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Magnolia	LOCATION #:	2	
	EAST & WEST:	SR-52 WB Ramps	CONTROL:	SIGNAL	

CLASS 5:	NOTES:	AM		▲ N	
RV		PM	◄ W		E ►
		MD			
		OTHER		S ▼	
		OTHER			

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND SR-52 WB Ramps			WESTBOUND SR-52 WB Ramps				U-TURNS				
	LANES:	NL 2	NT 3	NR 1	SL 2	ST 2	SR 0	EL X	ET X	ER X	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	VOLUMES	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	2	/	2	0	/	0	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	1	0	0	0	0	0	0	0	1					
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.250			0.000			0.000		0.250					
	APP/DEPART	0	/	0	1	/	1	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	1	/	1	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

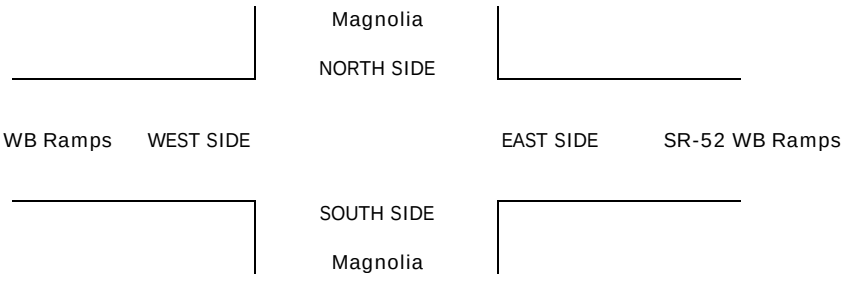
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Magnolia	LOCATION #:	2
TUESDAY	EAST & WEST:	SR-52 WB Ramps	CONTROL:	SIGNAL

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND (Magnolia)			SOUTHBOUND (Magnolia)			EASTBOUND (SR-52 WB Ramps)			WESTBOUND (SR-52 WB Ramps)				U-TURNS				
	LANES:	NL 2	NT 3	NR 1	SL 2	ST 2	SR 0	EL X	ET X	ER X	WL X	WT X	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	7:15 AM	0	2	0	1	1	0	0	0	0	0	0	0	4	0	0	0	0	0
	7:30 AM	1	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	7:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:00 AM	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0
	8:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:30 AM	2	2	0	0	1	0	0	0	0	0	0	0	5	0	0	0	0	0
	8:45 AM	0	2	0	1	1	0	0	0	0	0	0	0	4	0	0	0	0	0
	VOLUMES	3	9	1	2	5	0	0	0	0	0	0	0	20	0	0	0	0	0
	APPROACH %	23%	69%	8%	29%	71%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	13	/	9	7	/	5	0	/	3	0	/	3	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	1	3	0	0	2	0	0	0	0	0	0	0	6					
	APPROACH %	25%	75%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.500			0.250			0.000			0.000		0.750					
	APP/DEPART	4	/	3	2	/	2	0	/	0	0	/	1	0					
PM	4:00 PM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:45 PM	0	3	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
	5:00 PM	0	0	0	1	1	0	0	0	0	0	0	0	2	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:45 PM	0	2	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0
	VOLUMES	0	7	0	1	4	0	0	0	0	0	0	0	12	0	0	0	0	0
	APPROACH %	0%	100%	0%	20%	80%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	7	/	7	5	/	4	0	/	1	0	/	0	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	3	0	1	2	0	0	0	0	0	0	0	6					
	APPROACH %	0%	100%	0%	33%	67%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.250			0.375			0.000			0.000		0.500					
	APP/DEPART	3	/	3	3	/	2	0	/	1	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, May 2, 23

LOCATION: Santee
NORTH & SOUTH: Magnolia
EAST & WEST: Woodside

PROJECT #: SC3984
LOCATION #: 3
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER

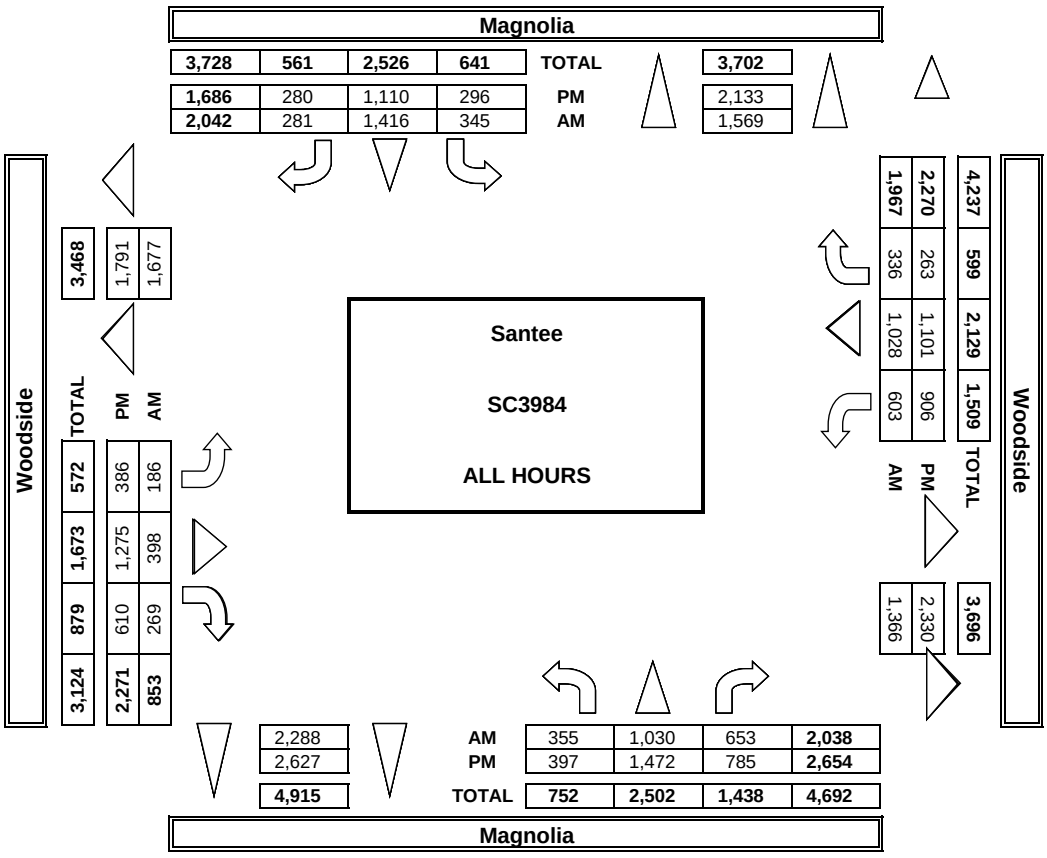
N ▲ S ▼ ◄ W E ►

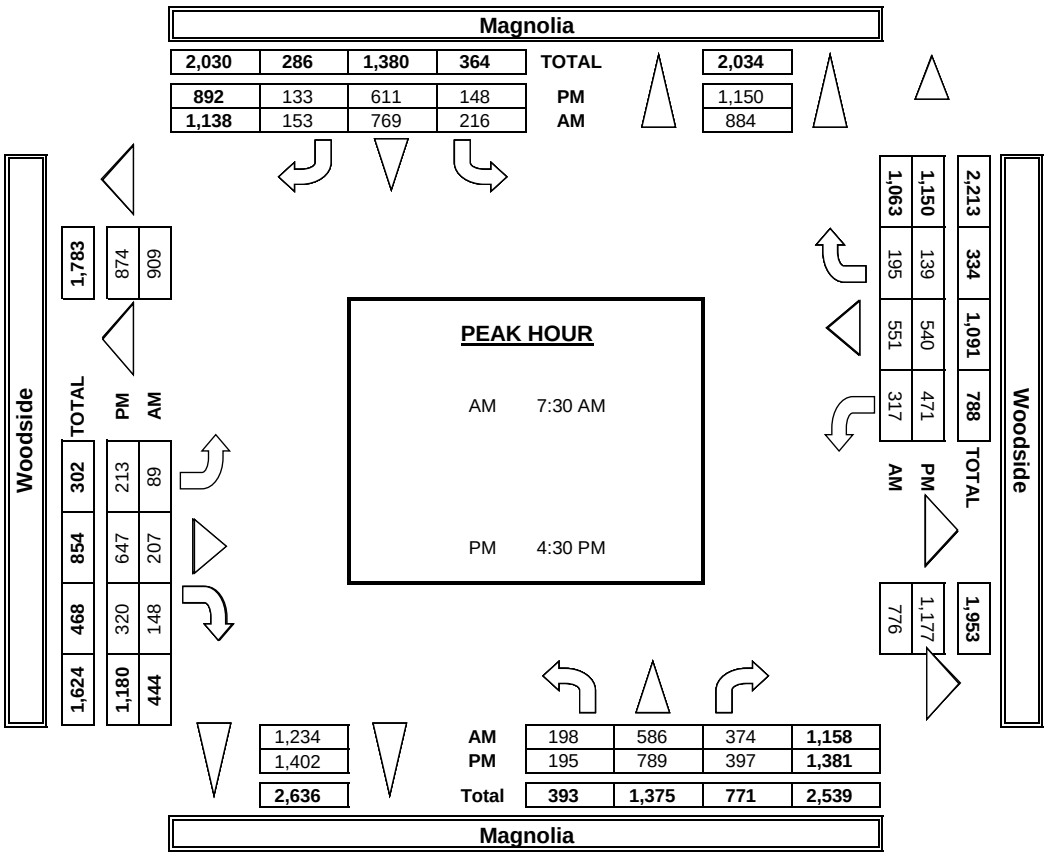
		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 2	ET 2	ER 1	WL 2	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	29	89	80	33	162	21	17	32	20	55	93	24	655	0	2	2	0	4
	7:15 AM	38	126	71	46	167	29	22	43	29	82	127	47	827	0	4	0	0	4
	7:30 AM	46	122	86	56	218	33	22	53	34	80	140	43	933	0	6	1	0	7
	7:45 AM	44	123	133	64	200	52	19	59	36	83	125	41	979	0	4	3	0	7
	8:00 AM	58	159	65	56	164	36	26	48	37	82	160	68	959	0	7	1	0	8
	8:15 AM	50	182	90	40	187	32	22	47	41	72	126	43	932	0	4	2	0	6
	8:30 AM	38	109	59	32	181	40	28	61	40	74	114	39	815	0	2	3	0	5
	8:45 AM	52	120	69	18	137	38	30	55	32	75	143	31	800	0	1	1	0	2
	VOLUMES	355	1,030	653	345	1,416	281	186	398	269	603	1,028	336	6,900	0	30	13	0	43
	APPROACH %	17%	51%	32%	17%	69%	14%	22%	47%	32%	31%	52%	17%						
	APP/DEPART	2,038	/	1,569	2,042	/	2,288	853	/	1,366	1,967	/	1,677	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	198	586	374	216	769	153	89	207	148	317	551	195	3,803					
	APPROACH %	17%	51%	32%	19%	68%	13%	20%	47%	33%	30%	52%	18%						
	PEAK HR FACTOR		0.899			0.900			0.974			0.857		0.971					
	APP/DEPART	1,158	/	884	1,138	/	1,234	444	/	776	1,063	/	909	0					
PM	4:00 PM	50	194	104	45	120	41	44	167	75	104	156	43	1,143	1	7	3	0	11
	4:15 PM	61	181	96	35	138	32	44	143	94	106	139	30	1,099	0	1	1	0	2
	4:30 PM	57	192	102	40	155	34	42	172	80	89	128	37	1,128	0	1	2	0	3
	4:45 PM	44	210	102	35	134	28	65	153	76	81	120	26	1,074	0	2	0	0	2
	5:00 PM	48	172	104	37	174	38	50	189	98	127	140	41	1,218	0	6	1	0	7
	5:15 PM	46	215	89	36	148	33	56	133	66	174	152	35	1,183	0	6	3	0	9
	5:30 PM	44	150	93	35	112	30	34	171	62	113	126	23	993	0	1	1	0	2
	5:45 PM	47	158	95	33	129	44	51	147	59	112	140	28	1,043	0	2	3	0	5
	VOLUMES	397	1,472	785	296	1,110	280	386	1,275	610	906	1,101	263	8,881	1	26	14	0	41
	APPROACH %	15%	55%	30%	18%	66%	17%	17%	56%	27%	40%	49%	12%						
	APP/DEPART	2,654	/	2,133	1,686	/	2,627	2,271	/	2,330	2,270	/	1,791	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	195	789	397	148	611	133	213	647	320	471	540	139	4,603					
	APPROACH %	14%	57%	29%	17%	68%	15%	18%	55%	27%	41%	47%	12%						
	PEAK HR FACTOR		0.970			0.896			0.875			0.796		0.945					
	APP/DEPART	1,381	/	1,150	892	/	1,402	1,180	/	1,177	1,150	/	874	0					

		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1	1	2	0	4	1	0	2	0	3	0	1	0	0	1
	7:15 AM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0
	7:30 AM	1	3	2	1	7	1	2	2	0	5	0	1	0	1	2
	7:45 AM	0	1	5	0	6	0	0	3	0	3	0	1	2	0	3
	8:00 AM	2	2	0	2	6	0	2	0	1	3	2	0	0	1	3
	8:15 AM	2	1	0	0	3	1	1	0	0	2	1	0	0	0	1
	8:30 AM	2	1	3	1	7	2	1	3	1	7	0	0	0	0	0
	8:45 AM	3	1	3	1	8	3	0	2	1	6	0	1	1	0	2
	TOTAL	11	11	15	5	42	8	7	12	3	30	3	4	3	2	12
PM	4:00 PM	4	3	6	3	16	3	3	5	2	13	1	0	1	1	3
	4:15 PM	0	0	2	2	4	0	0	2	2	4	0	0	0	0	0
	4:30 PM	2	0	1	2	5	2	0	1	2	5	0	0	0	0	0
	4:45 PM	2	0	2	1	5	0	0	0	1	1	2	0	2	0	4
	5:00 PM	3	3	2	0	8	1	1	2	0	4	2	2	0	0	4
	5:15 PM	2	0	3	1	6	2	0	2	0	4	0	0	1	1	2
	5:30 PM	2	1	1	0	4	1	1	1	0	3	1	0	0	0	1
	5:45 PM	4	1	1	1	7	2	1	0	0	3	2	0	1	1	4
	TOTAL	19	8	18	10	55	11	6	13	7	37	8	2	5	3	18

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Magnolia	LOCATION #:	3
TUESDAY	EAST & WEST:	Woodside	CONTROL:	SIGNAL

	NOTES:									AM		▲ N	
PCE	Class	1	2	3	4	5	6			PM			
Adjusted	Factor	1	1.5	2	3	2	2			MD	◄ W		E ►
										OTHER		S	
										OTHER		▼	

		NORTHBOUND (Magnolia)			SOUTHBOUND (Magnolia)			EASTBOUND (Woodside)			WESTBOUND (Woodside)				U-TURNS				
	LANES:	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 2	ET 2	ER 1	WL 2	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	30	92	84	35	164	22	19	38	22	63	99	24	690					0
	7:15 AM	40	131	79	48	175	31	22	44	34	88	138	50	876					0
	7:30 AM	50	126	98	58	223	34	22	57	36	88	148	44	979					0
	7:45 AM	47	131	134	68	207	53	20	63	40	92	128	44	1,023					0
	8:00 AM	60	171	72	59	169	37	28	53	40	91	166	70	1,012					0
	8:15 AM	56	188	100	42	191	35	22	50	42	84	133	45	984					0
	8:30 AM	41	116	64	34	186	41	30	63	45	83	118	42	860					0
	8:45 AM	56	123	78	18	143	40	31	60	34	80	148	32	840					0
	VOLUMES	377	1,076	707	360	1,455	291	193	425	291	666	1,075	349	7,263	0	0	0	0	0
	APPROACH %	17%	50%	33%	17%	69%	14%	21%	47%	32%	32%	51%	17%						
	APP/DEPART	2,159	/	1,617	2,106	/	2,412	909	/	1,492	2,090	/	1,742	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	212	615	403	226	789	158	91	221	157	353	574	202	3,998					
	APPROACH %	17%	50%	33%	19%	67%	13%	19%	47%	33%	31%	51%	18%						
	PEAK HR FACTOR		0.897			0.894			0.961			0.865		0.977					
	APP/DEPART	1,229	/	907	1,172	/	1,299	469	/	850	1,128	/	943	0					
PM	4:00 PM	51	196	115	46	124	42	45	171	77	112	161	44	1,181					0
	4:15 PM	62	185	105	35	141	33	45	144	97	112	143	33	1,133					0
	4:30 PM	59	195	107	42	161	38	43	177	82	91	133	37	1,161					0
	4:45 PM	46	213	107	35	136	29	66	155	77	84	121	27	1,094					0
	5:00 PM	48	176	106	37	178	40	50	191	100	130	142	42	1,238					0
	5:15 PM	47	217	96	36	150	33	59	134	66	178	155	37	1,206					0
	5:30 PM	46	152	97	37	117	32	34	172	65	119	131	24	1,023					0
	5:45 PM	48	164	101	34	133	45	52	149	62	116	142	29	1,073					0
	VOLUMES	405	1,498	832	301	1,137	289	393	1,291	624	940	1,127	271	9,105	0	0	0	0	0
	APPROACH %	15%	55%	30%	17%	66%	17%	17%	56%	27%	40%	48%	12%						
	APP/DEPART	2,734	/	2,161	1,727	/	2,701	2,307	/	2,423	2,338	/	1,821	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	199	801	415	150	624	139	218	655	325	482	550	143	4,697					
	APPROACH %	14%	57%	29%	16%	68%	15%	18%	55%	27%	41%	47%	12%						
	PEAK HR FACTOR		0.967			0.897			0.879			0.796		0.949					
	APP/DEPART	1,414	/	1,161	912	/	1,430	1,197	/	1,219	1,175	/	888	0					

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

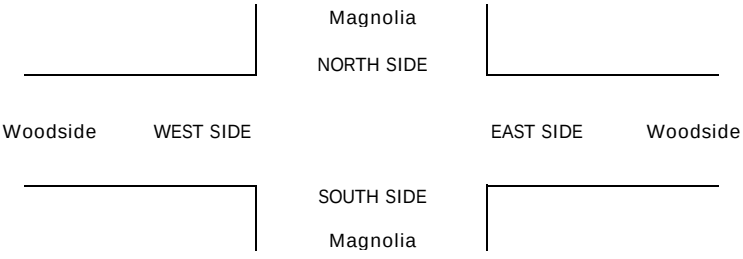
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Magnolia	LOCATION #:	3
TUESDAY	EAST & WEST:	Woodside	CONTROL:	SIGNAL

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 2	ET 2	ER 1	WL 2	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	28	83	73	30	158	20	14	26	18	47	82	24	603	0	2	2	0	4
	7:15 AM	36	120	61	44	156	27	22	42	24	75	109	43	759	0	4	0	0	4
	7:30 AM	40	116	72	54	213	32	22	46	33	66	129	42	865	0	6	1	0	7
	7:45 AM	39	112	131	60	190	51	18	53	31	67	120	37	909	0	4	3	0	7
	8:00 AM	55	146	55	52	156	35	24	42	33	69	150	66	883	0	7	1	0	8
	8:15 AM	46	172	80	37	182	29	22	42	40	57	116	42	865	0	4	2	0	6
	8:30 AM	34	103	52	28	173	39	25	57	35	60	107	36	749	0	2	3	0	5
	8:45 AM	48	115	60	18	127	35	28	48	29	65	135	30	738	0	1	1	0	2
	VOLUMES	326	967	584	323	1,355	268	175	356	243	506	948	320	6,371	0	30	13	0	43
	APPROACH %	17%	52%	31%	17%	70%	14%	23%	46%	31%	29%	53%	18%						
	APP/DEPART	1,877	/	1,479	1,946	/	2,104	774	/	1,233	1,774	/	1,555	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	180	546	338	182	741	147	79	183	137	259	515	187	3,522					
	APPROACH %	17%	51%	32%	17%	68%	13%	19%	45%	34%	27%	54%	19%						
	PEAK HR FACTOR		0.893			0.906			0.976			0.843		0.969					
	APP/DEPART	1,064	/	833	1,091	/	1,137	406	/	703	961	/	849	0					
PM	4:00 PM	49	190	89	44	113	40	42	162	71	95	147	42	1,084	1	7	3	0	11
	4:15 PM	60	174	87	35	133	30	43	141	89	99	132	28	1,051	0	1	1	0	2
	4:30 PM	54	189	94	37	147	31	40	164	78	86	122	37	1,079	0	1	2	0	3
	4:45 PM	42	206	96	35	132	27	64	150	74	78	119	24	1,047	0	2	0	0	2
	5:00 PM	48	168	101	37	168	35	50	186	95	122	136	40	1,186	0	6	1	0	7
	5:15 PM	45	211	82	36	144	33	50	132	66	167	147	32	1,145	0	6	3	0	9
	5:30 PM	42	149	89	34	107	28	34	170	58	107	119	22	959	0	1	1	0	2
	5:45 PM	45	150	88	32	125	43	50	144	55	108	136	26	1,002	0	1	3	0	4
	VOLUMES	385	1,437	726	290	1,069	267	373	1,249	586	862	1,058	251	8,553	1	25	14	0	40
	APPROACH %	15%	56%	28%	18%	66%	16%	17%	57%	27%	40%	49%	12%						
	APP/DEPART	2,548	/	2,072	1,626	/	2,518	2,208	/	2,240	2,171	/	1,723	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	189	774	373	130	591	126	198	632	313	453	524	133	4,457					
	APPROACH %	14%	58%	28%	15%	69%	15%	17%	55%	27%	41%	47%	12%						
	PEAK HR FACTOR		0.971			0.898			0.868			0.802		0.940					
	APP/DEPART	1,336	/	1,120	862	/	1,357	1,149	/	1,135	1,110	/	845	0					



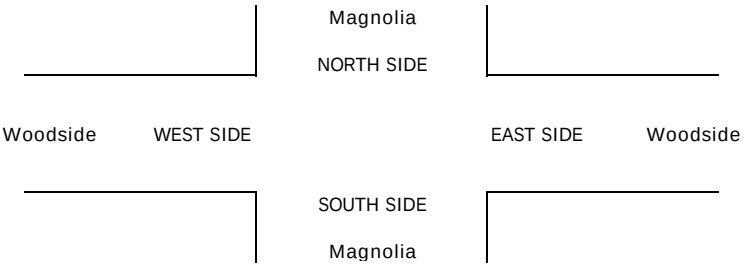
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Magnolia	LOCATION #:	3
TUESDAY	EAST & WEST:	Woodside	CONTROL:	SIGNAL

CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:	AM / PM / MD / OTHER / OTHER	▲ N / ◄ W / E ► / S ▼

		NORTHBOUND (Magnolia)			SOUTHBOUND (Magnolia)			EASTBOUND (Woodside)			WESTBOUND (Woodside)				U-TURNS				
	LANES:	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 2	ET 2	ER 1	WL 2	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	1	6	6	2	4	0	2	2	1	5	11	0	40	0	0	0	0	0
	7:15 AM	1	3	7	1	9	1	0	1	2	5	15	2	47	0	0	0	0	0
	7:30 AM	5	5	11	1	3	1	0	7	0	13	9	1	56	0	0	0	0	0
	7:45 AM	5	9	2	2	9	0	1	5	4	15	5	3	60	0	0	0	0	0
	8:00 AM	2	8	8	3	7	1	1	5	3	11	8	1	58	0	0	0	0	0
	8:15 AM	1	9	7	3	4	1	0	5	1	11	9	0	51	0	0	0	0	0
	8:30 AM	3	3	6	4	7	0	3	4	3	12	7	2	54	0	0	0	0	0
	8:45 AM	3	4	5	0	9	3	2	5	2	10	7	1	51	0	0	0	0	0
	VOLUMES	21	47	52	16	52	7	9	34	16	82	71	10	417	0	0	0	0	0
	APPROACH %	18%	39%	43%	21%	69%	9%	15%	58%	27%	50%	44%	6%						
	APP/DEPART	120	/	66	75	/	150	59	/	102	163	/	99	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	13	31	28	9	23	3	2	22	8	50	31	5	225					
	APPROACH %	18%	43%	39%	26%	66%	9%	6%	69%	25%	58%	36%	6%						
	PEAK HR FACTOR		0.857			0.795			0.800			0.935		0.938					
	APP/DEPART	72	/	38	35	/	81	32	/	59	86	/	47	0					
PM	4:00 PM	1	4	12	1	7	1	2	4	4	7	9	1	53	0	0	0	0	0
	4:15 PM	0	6	6	0	5	2	1	2	5	5	6	1	39	0	0	0	0	0
	4:30 PM	2	1	7	3	7	1	2	7	1	3	5	0	39	0	0	0	0	0
	4:45 PM	1	2	4	0	1	1	1	3	2	2	0	2	19	0	0	0	0	0
	5:00 PM	0	2	3	0	5	3	0	3	2	4	4	1	27	0	0	0	0	0
	5:15 PM	1	4	5	0	4	0	6	1	0	7	5	2	35	0	0	0	0	0
	5:30 PM	1	0	3	0	3	1	0	1	3	4	6	1	23	0	0	0	0	0
	5:45 PM	2	6	5	1	2	1	1	2	3	2	4	2	31	0	1	0	0	1
	VOLUMES	8	25	45	5	34	10	13	23	20	34	39	10	266	0	1	0	0	1
	APPROACH %	10%	32%	58%	10%	69%	20%	23%	41%	36%	41%	47%	12%						
	APP/DEPART	78	/	49	49	/	88	56	/	72	83	/	57	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	4	9	19	3	17	5	9	14	5	16	14	5	120					
	APPROACH %	13%	28%	59%	12%	68%	20%	32%	50%	18%	46%	40%	14%						
	PEAK HR FACTOR		0.800			0.568			0.700			0.625		0.769					
	APP/DEPART	32	/	23	25	/	38	28	/	36	35	/	23	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

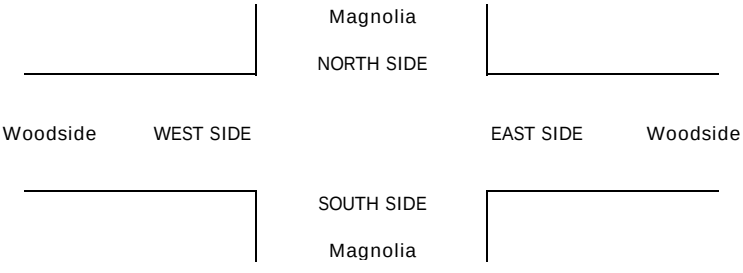
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Magnolia	LOCATION #:	3
TUESDAY	EAST & WEST:	Woodside	CONTROL:	SIGNAL

CLASS 3: 3-AXLE TRUCKS

NOTES:

AM PM MD OTHER OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 2	ET 2	ER 1	WL 2	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	1	0	0	0	0	1	1	1	0	0	4	0	0	0	0	0
	7:15 AM	0	3	1	0	0	1	0	0	1	1	1	0	8	0	0	0	0	0
	7:30 AM	0	1	0	0	1	0	0	0	0	1	1	0	4	0	0	0	0	0
	7:45 AM	0	0	0	1	0	0	0	0	0	1	0	0	2	0	0	0	0	0
	8:00 AM	1	2	1	1	0	0	0	0	0	0	2	0	7	0	0	0	0	0
	8:15 AM	0	1	0	0	0	1	0	0	0	2	0	0	4	0	0	0	0	0
	8:30 AM	0	1	0	0	0	0	0	0	1	1	0	0	3	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0
	VOLUMES	1	8	3	2	1	2	0	2	3	7	5	0	34	0	0	0	0	0
	APPROACH %	8%	67%	25%	40%	20%	40%	0%	40%	60%	58%	42%	0%						
	APP/DEPART	12	/	8	5	/	11	5	/	7	12	/	8	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	1	4	1	2	1	1	0	0	0	4	3	0	17					
	APPROACH %	17%	67%	17%	50%	25%	25%	0%	0%	0%	57%	43%	0%						
	PEAK HR FACTOR		0.375			1.000			0.000			0.875		0.607					
	APP/DEPART	6	/	4	4	/	5	0	/	3	7	/	5	0					
PM	4:00 PM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0
	4:30 PM	1	2	1	0	0	0	0	1	0	0	0	0	5	0	0	0	0	0
	4:45 PM	0	0	1	0	1	0	0	0	0	0	1	0	3	0	0	0	0	0
	5:00 PM	0	1	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	5:30 PM	0	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0	0	0
	5:45 PM	0	0	1	0	1	0	0	1	0	1	0	0	4	0	0	0	0	0
	VOLUMES	1	3	4	0	3	0	0	2	1	3	2	1	20	0	0	0	0	0
	APPROACH %	13%	38%	50%	0%	100%	0%	0%	67%	33%	50%	33%	17%						
	APP/DEPART	8	/	4	3	/	7	3	/	6	6	/	3	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	1	3	2	0	1	0	0	1	0	1	1	1	11					
	APPROACH %	17%	50%	33%	0%	100%	0%	0%	100%	0%	33%	33%	33%						
	PEAK HR FACTOR		0.375			0.250			0.250			0.750		0.550					
	APP/DEPART	6	/	4	1	/	2	1	/	3	3	/	2	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

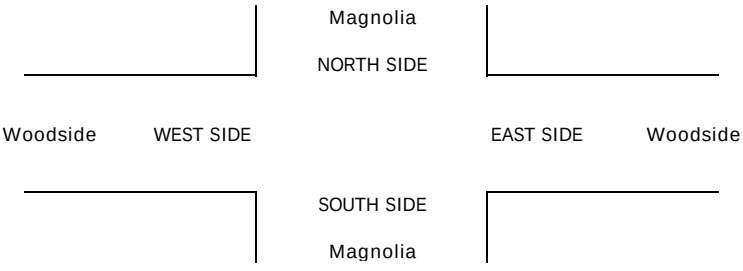
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Magnolia	LOCATION #:	3
TUESDAY	EAST & WEST:	Woodside	CONTROL:	SIGNAL

CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 2	ET 2	ER 1	WL 2	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	1	0	2	0	0	3	0	0	0	0	0
	7:15 AM	0	0	1	0	1	0	0	0	1	1	0	0	4	0	0	0	0	0
	7:30 AM	0	0	3	0	1	0	0	0	1	0	1	0	6	0	0	0	0	0
	7:45 AM	0	1	0	1	1	0	0	0	1	0	0	0	4	0	0	0	0	0
	8:00 AM	0	3	1	0	0	0	0	1	0	1	0	0	6	0	0	0	0	0
	8:15 AM	2	0	3	0	1	0	0	0	0	2	1	1	10	0	0	0	0	0
	8:30 AM	0	2	1	0	0	0	0	0	1	1	0	1	6	0	0	0	0	0
	8:45 AM	1	0	2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
	VOLUMES	3	6	11	1	4	0	0	2	4	7	2	2	42	0	0	0	0	0
	APPROACH %	15%	30%	55%	20%	80%	0%	0%	33%	67%	64%	18%	18%						
	APP/DEPART	20	/	8	5	/	15	6	/	14	11	/	5	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	2	4	7	1	3	0	0	1	2	3	2	1	26					
	APPROACH %	15%	31%	54%	25%	75%	0%	0%	33%	67%	50%	33%	17%						
	PEAK HR FACTOR		0.650			0.500			0.750			0.375		0.650					
	APP/DEPART	13	/	5	4	/	8	3	/	9	6	/	4	0					
PM	4:00 PM	0	0	2	0	0	0	0	1	0	2	0	0	5	0	0	0	0	0
	4:15 PM	0	0	3	0	0	0	0	0	0	1	0	1	5	0	0	0	0	0
	4:30 PM	0	0	0	0	1	1	0	0	0	0	1	0	3	0	0	0	0	0
	4:45 PM	0	0	1	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0
	5:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:15 PM	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	5:30 PM	0	1	1	1	1	0	0	0	0	2	1	0	7	0	0	0	0	0
	5:45 PM	0	1	1	0	1	0	0	0	0	1	0	0	4	0	0	0	0	0
	VOLUMES	0	3	10	1	3	1	0	1	0	7	2	1	29	0	0	0	0	0
	APPROACH %	0%	23%	77%	20%	60%	20%	0%	100%	0%	70%	20%	10%						
	APP/DEPART	13	/	4	5	/	10	1	/	12	10	/	3	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	1	3	0	1	1	0	0	0	1	1	0	8					
	APPROACH %	0%	25%	75%	0%	50%	50%	0%	0%	0%	50%	50%	0%						
	PEAK HR FACTOR		0.500			0.250			0.000			0.500		0.667					
	APP/DEPART	4	/	1	2	/	2	0	/	3	2	/	2	0					



INTERSECTION TURNING MOVEMENT COUNTS

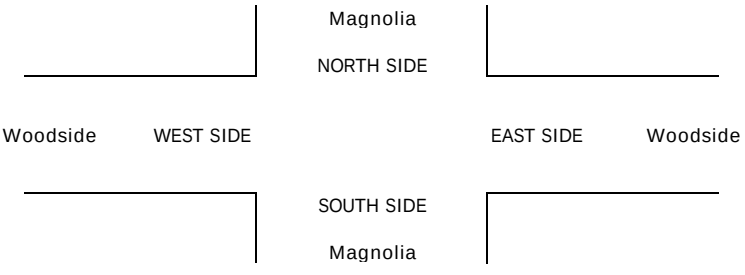
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Magnolia	LOCATION #:	3
TUESDAY	EAST & WEST:	Woodside	CONTROL:	SIGNAL

CLASS 5:	NOTES:
RV	

AM PM MD OTHER OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Magnolia			SOUTHBOUND Magnolia			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 2	ET 2	ER 1	WL 2	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	1	0	0	1	0	0	0	0	2	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	1	/	1	1	/	1	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	1	0	0	0	0	0	0	0	1					
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.250			0.000			0.000		0.250					
	APP/DEPART	0	/	0	1	/	1	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



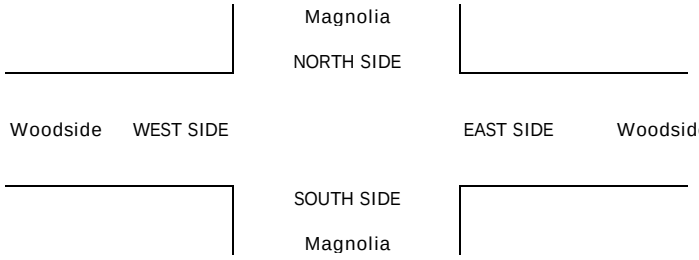
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Magnolia	LOCATION #:	3
TUESDAY	EAST & WEST:	Woodside	CONTROL:	SIGNAL

CLASS 6:	NOTES:	AM / PM / MD / OTHER / OTHER
BUSES		▲ N, ◄ W, E ►, S ▼

		NORTHBOUND (Magnolia)			SOUTHBOUND (Magnolia)			EASTBOUND (Woodside)			WESTBOUND (Woodside)				U-TURNS				
	LANES:	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 2	ET 2	ER 1	WL 2	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	1	0	1	1	1	0	0	0	0	4	0	0	0	0	0
	7:15 AM	1	0	1	1	1	0	0	0	1	0	2	2	9	0	0	0	0	0
	7:30 AM	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	7:45 AM	0	1	0	0	0	1	0	1	0	0	0	1	4	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	1	0	1	1	0	1	4	0	0	0	0	0
	8:15 AM	1	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0
	8:30 AM	1	0	0	0	1	1	0	0	0	0	0	0	3	0	0	0	0	0
	8:45 AM	0	1	2	0	1	0	0	1	1	0	0	0	6	0	0	0	0	0
	VOLUMES	4	2	3	3	3	4	2	3	3	1	2	4	34	0	0	0	0	0
	APPROACH %	44%	22%	33%	30%	30%	40%	25%	38%	38%	14%	29%	57%						
	APP/DEPART	9	/	8	10	/	7	8	/	9	7	/	10	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	2	1	0	1	0	2	1	1	1	1	0	2	12					
	APPROACH %	67%	33%	0%	33%	0%	67%	33%	33%	33%	33%	0%	67%						
	PEAK HR FACTOR		0.750			0.750			0.375			0.375		0.750					
	APP/DEPART	3	/	4	3	/	2	3	/	2	3	/	4	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	1	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	4:30 PM	0	0	0	0	0	1	0	0	1	0	0	0	2	0	0	0	0	0
	4:45 PM	1	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
	5:00 PM	0	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	1	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0
	5:45 PM	0	1	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0
	VOLUMES	3	4	0	0	1	2	0	0	3	0	0	0	13	0	0	0	0	0
	APPROACH %	43%	57%	0%	0%	33%	67%	0%	0%	100%	0%	0%	0%						
	APP/DEPART	7	/	4	3	/	4	3	/	0	0	/	5	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	1	2	0	0	1	1	0	0	2	0	0	0	7					
	APPROACH %	33%	67%	0%	0%	50%	50%	0%	0%	100%	0%	0%	0%						
	PEAK HR FACTOR		0.250			0.500			0.500			0.000		0.583					
	APP/DEPART	3	/	2	2	/	3	2	/	0	0	/	2	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, May 2, 23

LOCATION: Santee
NORTH & SOUTH: Woodside
EAST & WEST: SR-67 SB Ramps

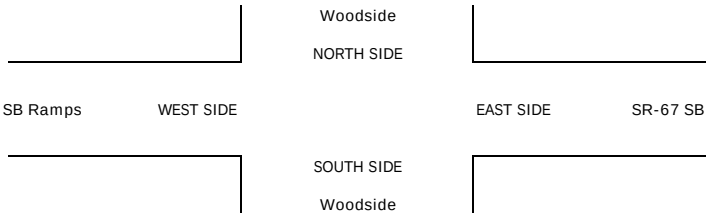
PROJECT #: SC3984
LOCATION #: 4
CONTROL: STOP ALL

NOTES:

AM / PM / MD / OTHER / OTHER

N ▲ S ▼ W ◄ E ►

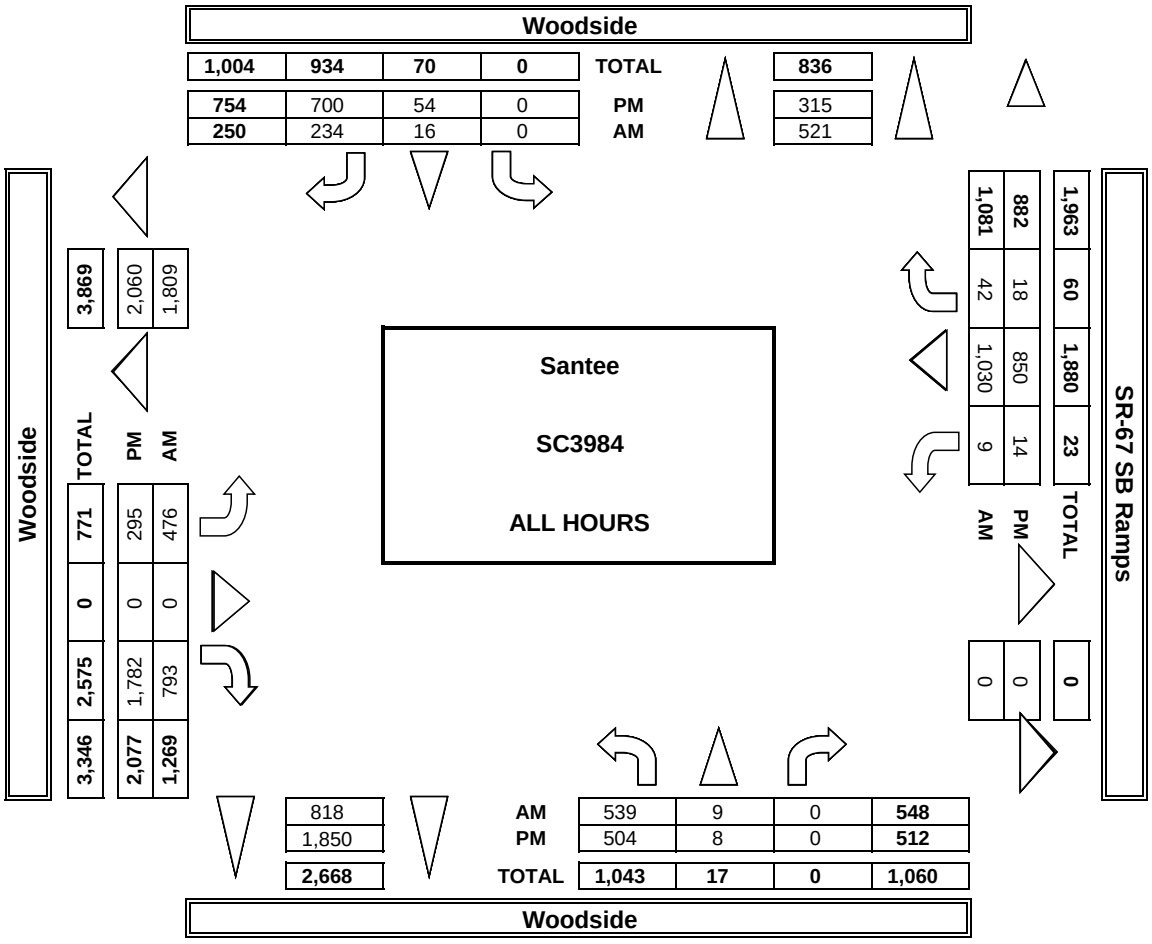
		NORTHBOUND Woodside			SOUTHBOUND Woodside			EASTBOUND Woodside			WESTBOUND SR-67 SB Ramps				U-TURNS				
	LANES:	NL 1	NT 1	NR X	X 0	ST 1	SR 0	EL 1	ET X	ER 1	WL 0.5	WT 1	WR 0.5	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	47	1	0	0	1	23	52	0	75	0	85	5	289	0	0	0	0	0
	7:15 AM	88	0	0	0	2	22	62	0	84	1	116	5	380	0	0	0	0	0
	7:30 AM	58	1	0	0	2	35	66	0	112	1	135	5	415	0	0	0	0	0
	7:45 AM	72	4	0	0	1	25	97	0	116	1	141	8	465	0	0	1	0	1
	8:00 AM	86	0	0	0	2	45	63	0	96	1	160	7	460	0	0	2	0	2
	8:15 AM	60	2	0	0	6	26	41	0	124	3	125	4	391	0	0	3	0	3
	8:30 AM	79	1	0	0	1	25	49	0	95	1	123	2	376	0	0	0	0	0
	8:45 AM	49	0	0	0	1	33	46	0	91	1	145	6	372	0	0	0	0	0
	VOLUMES	539	9	0	0	16	234	476	0	793	9	1,030	42	3,148	0	0	6	0	6
	APPROACH %	98%	2%	0%	0%	6%	94%	38%	0%	62%	1%	95%	4%						
	APP/DEPART	548	/	521	250	/	818	1,269	/	0	1,081	/	1,809	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	276	7	0	0	11	131	267	0	448	6	561	24	1,731					
	APPROACH %	98%	2%	0%	0%	8%	92%	37%	0%	63%	1%	95%	4%						
	PEAK HR FACTOR		0.823			0.755			0.839			0.879		0.931					
	APP/DEPART	283	/	292	142	/	465	715	/	0	591	/	974	0					
PM	4:00 PM	60	1	0	0	5	73	54	0	217	3	140	0	553	0	0	2	0	2
	4:15 PM	58	0	0	0	5	55	32	0	230	4	128	3	515	0	0	2	0	2
	4:30 PM	33	1	0	0	12	75	49	0	212	2	115	3	502	0	0	1	0	1
	4:45 PM	56	2	0	0	5	35	47	0	226	1	119	5	496	0	0	0	0	0
	5:00 PM	53	0	0	0	9	130	29	0	262	1	98	3	585	0	0	0	0	0
	5:15 PM	96	3	0	0	6	139	29	0	211	0	81	0	565	0	0	0	0	0
	5:30 PM	75	0	0	0	7	114	27	0	222	2	63	3	513	0	0	0	0	0
	5:45 PM	73	1	0	0	5	79	28	0	202	1	106	1	496	0	0	1	0	1
	VOLUMES	504	8	0	0	54	700	295	0	1,782	14	850	18	4,225	0	0	6	0	6
	APPROACH %	98%	2%	0%	0%	7%	93%	14%	0%	86%	2%	96%	2%						
	APP/DEPART	512	/	315	754	/	1,850	2,077	/	0	882	/	2,060	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	297	4	0	0	27	462	113	0	897	4	348	7	2,159					
	APPROACH %	99%	1%	0%	0%	6%	94%	11%	0%	89%	1%	97%	2%						
	PEAK HR FACTOR		0.760			0.843			0.868			0.718		0.923					
	APP/DEPART	301	/	123	489	/	928	1,010	/	0	359	/	1,108	0					

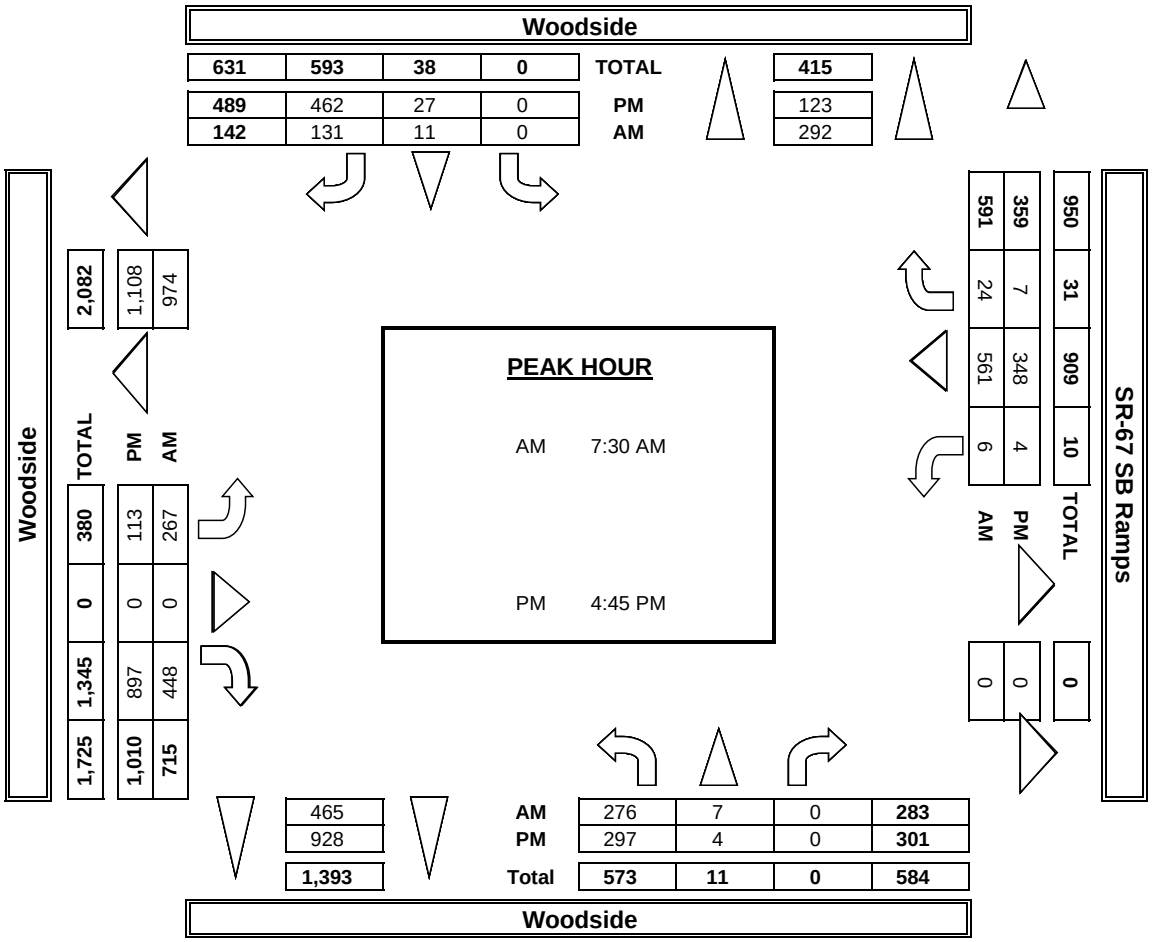


		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	1	1	0	2	0	0	0	0	0	0	1	1	0	2
	7:30 AM	1	1	1	0	3	0	0	0	0	0	1	1	1	0	3
	7:45 AM	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	2	2	1	6	0	0	0	1	1	1	2	2	0	5
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: 5/2/23 TUESDAY	LOCATION:	Santee	PROJECT #:	SC3984
	NORTH & SOUTH:	Woodside	LOCATION #:	4
	EAST & WEST:	SR-67 SB Ramps	CONTROL:	STOP ALL

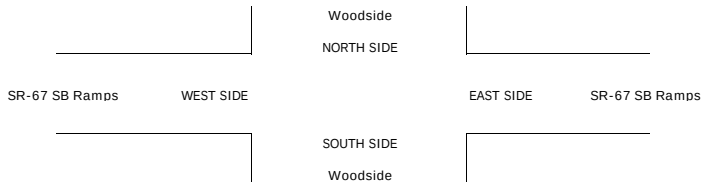
NOTES:

PCE Adjusted									
Class	1	2	3	4	5	6			
Factor	1	1.5	2	3	2	2			

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Woodside			SOUTHBOUND Woodside			EASTBOUND SR-67 SB Ramps			WESTBOUND SR-67 SB Ramps				U-TURNS				
	LANES:	NL 1	NT 1	NR X	SL 0	ST 1	SR 0	EL 1	ET X	ER 1	WL 0.5	WT 1	WR 0.5	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	48	1	0	0	2	32	58	0	84	0	91	6	320					0
	7:15 AM	94	0	0	0	4	29	69	0	88	1	122	5	411					0
	7:30 AM	61	1	0	0	4	44	73	0	123	3	142	6	456					0
	7:45 AM	74	4	0	0	3	31	98	0	123	2	148	8	489					0
	8:00 AM	90	0	0	0	3	53	69	0	103	3	163	7	491					0
	8:15 AM	61	3	0	0	7	34	53	0	129	4	133	4	425					0
	8:30 AM	81	2	0	0	1	31	57	0	98	1	131	2	402					0
	8:45 AM	52	0	0	0	1	40	55	0	96	1	150	6	400					0
	VOLUMES	560	10	0	0	23	291	530	0	842	14	1,078	44	3,391	0	0	0	0	0
	APPROACH %	98%	2%	0%	0%	7%	93%	39%	0%	61%	1%	95%	4%						
	APP/DEPART	570	/	584	314	/	879	1,372	/	0	1,135	/	1,929	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	286	8	0	0	16	161	292	0	478	11	585	25	1,860					
	APPROACH %	97%	3%	0%	0%	9%	91%	38%	0%	62%	2%	94%	4%						
	PEAK HR FACTOR		0.814			0.793			0.872			0.897		0.948					
	APP/DEPART	293	/	325	176	/	504	770	/	0	621	/	1,031	0					
PM	4:00 PM	62	1	0	0	5	80	59	0	227	3	143	0	580					0
	4:15 PM	60	0	0	0	5	61	37	0	236	4	131	3	537					0
	4:30 PM	35	1	0	0	13	77	52	0	215	2	118	3	516					0
	4:45 PM	57	2	0	0	5	38	51	0	229	1	121	8	510					0
	5:00 PM	53	0	0	0	9	134	29	0	265	1	101	4	595					0
	5:15 PM	98	5	0	0	9	144	32	0	216	0	85	0	587					0
	5:30 PM	78	0	0	0	8	125	28	0	227	2	63	3	532					0
	5:45 PM	75	1	0	0	6	82	30	0	206	1	107	2	508					0
	VOLUMES	516	10	0	0	59	740	317	0	1,819	14	868	22	4,363	0	0	0	0	0
	APPROACH %	98%	2%	0%	0%	7%	93%	15%	0%	85%	2%	96%	2%						
	APP/DEPART	526	/	348	798	/	1,892	2,136	/	0	903	/	2,123	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	285	7	0	0	30	440	139	0	936	4	370	14	2,223					
	APPROACH %	98%	2%	0%	0%	6%	94%	13%	0%	87%	1%	95%	4%						
	PEAK HR FACTOR		0.713			0.770			0.915			0.751		0.935					
	APP/DEPART	291	/	160	470	/	970	1,075	/	0	388	/	1,094	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Woodside	LOCATION #:	4
TUESDAY	EAST & WEST:	SR-67 SB Ramps	CONTROL:	STOP ALL

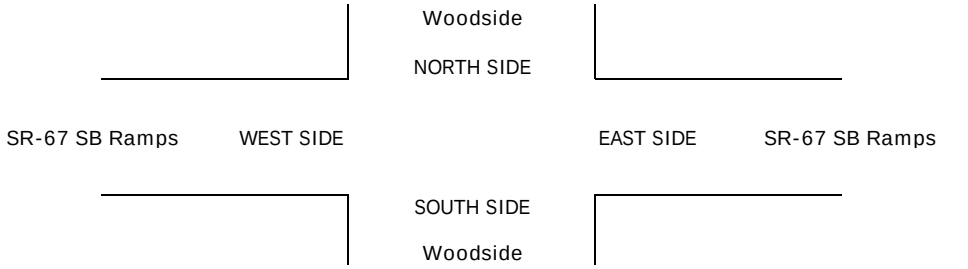
CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND (Woodside)			SOUTHBOUND (Woodside)			EASTBOUND (SR-67 SB Ramps)			WESTBOUND (SR-67 SB Ramps)				U-TURNS				
	LANES:	NL 1	NT 1	NR X	SL 0	ST 1	SR 0	EL 1	ET X	ER 1	WL 0.5	WT 1	WR 0.5	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	45	1	0	0	0	9	43	0	64	0	77	4	243	0	0	0	0	0
	7:15 AM	79	0	0	0	1	13	53	0	79	1	105	5	336	0	0	0	0	0
	7:30 AM	55	1	0	0	0	19	56	0	100	0	126	4	361	0	0	0	0	0
	7:45 AM	69	4	0	0	0	17	95	0	108	0	129	8	430	0	0	1	0	1
	8:00 AM	80	0	0	0	1	30	54	0	86	0	155	7	413	0	0	2	0	2
	8:15 AM	58	1	0	0	5	14	27	0	115	2	118	4	344	0	0	1	0	1
	8:30 AM	76	0	0	0	1	14	36	0	90	1	114	2	334	0	0	0	0	0
	8:45 AM	44	0	0	0	1	23	33	0	86	1	137	6	331	0	0	0	0	0
	VOLUMES	506	7	0	0	9	139	397	0	728	5	961	40	2,792	0	0	4	0	4
	APPROACH %	99%	1%	0%	0%	6%	94%	35%	0%	65%	0%	96%	4%						
	APP/DEPART	513	/	440	148	/	742	1,125	/	0	1,006	/	1,610	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	262	6	0	0	6	80	228	0	409	2	528	23	1,548					
	APPROACH %	98%	2%	0%	0%	7%	93%	36%	0%	64%	0%	95%	4%						
	PEAK HR FACTOR		0.838			0.694			0.789			0.853		0.900					
	APP/DEPART	268	/	257	86	/	417	641	/	0	553	/	874	0					
PM	4:00 PM	56	1	0	0	5	65	44	0	206	3	135	0	515	0	0	2	0	2
	4:15 PM	54	0	0	0	5	49	25	0	225	4	125	3	490	0	0	2	0	2
	4:30 PM	32	1	0	0	10	71	44	0	207	2	110	3	480	0	0	1	0	1
	4:45 PM	55	2	0	0	5	32	43	0	221	1	116	3	478	0	0	0	0	0
	5:00 PM	53	0	0	0	9	124	29	0	257	1	92	2	567	0	0	0	0	0
	5:15 PM	93	1	0	0	4	130	27	0	204	0	74	0	533	0	0	0	0	0
	5:30 PM	73	0	0	0	6	105	26	0	219	2	63	3	497	0	0	0	0	0
	5:45 PM	70	1	0	0	4	74	25	0	198	1	104	0	477	0	0	1	0	1
	VOLUMES	486	6	0	0	48	650	263	0	1,737	14	819	14	4,037	0	0	6	0	6
	APPROACH %	99%	1%	0%	0%	7%	93%	13%	0%	87%	2%	97%	2%						
	APP/DEPART	492	/	277	698	/	1,799	2,000	/	0	847	/	1,961	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	274	3	0	0	24	391	125	0	901	4	345	8	2,075					
	APPROACH %	99%	1%	0%	0%	6%	94%	12%	0%	88%	1%	97%	2%						
	PEAK HR FACTOR		0.737			0.774			0.897			0.744		0.915					
	APP/DEPART	277	/	136	415	/	929	1,026	/	0	357	/	1,010	0					



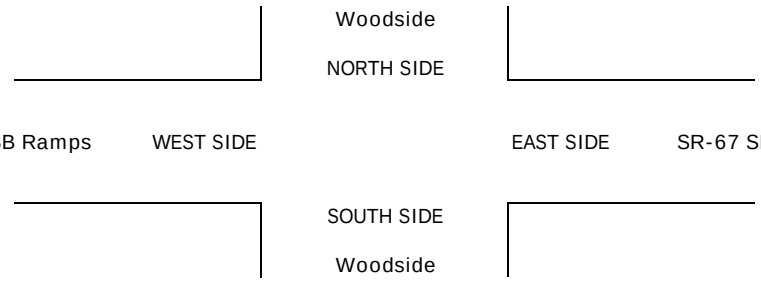
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Woodside	LOCATION #:	4	
	EAST & WEST:	SR-67 SB Ramps	CONTROL:	STOP ALL	

CLASS 2:	NOTES:	AM		▲ N	
2-AXLE		PM			
WORK		MD	◄ W		E ►
VEHICLES/		OTHER		S	
TRUCKS		OTHER		▼	

		NORTHBOUND Woodside			SOUTHBOUND Woodside			EASTBOUND SR-67 SB Ramps			WESTBOUND SR-67 SB Ramps				U-TURNS				
	LANES:	NL 1	NT 1	NR X	SL 0	ST 1	SR 0	EL 1	ET X	ER 1	WL 0.5	WT 1	WR 0.5	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	2	0	0	0	1	13	6	0	7	0	6	1	36	0	0	0	0	0
	7:15 AM	6	0	0	0	0	6	7	0	3	0	11	0	33	0	0	0	0	0
	7:30 AM	2	0	0	0	1	15	9	0	8	0	6	0	41	0	0	0	0	0
	7:45 AM	3	0	0	0	0	7	2	0	5	1	11	0	29	0	0	0	0	0
	8:00 AM	4	0	0	0	1	14	8	0	8	0	4	0	39	0	0	0	0	0
	8:15 AM	2	1	0	0	1	11	11	0	8	1	3	0	38	0	0	1	0	1
	8:30 AM	3	1	0	0	0	11	12	0	5	0	7	0	39	0	0	0	0	0
	8:45 AM	4	0	0	0	0	9	11	0	2	0	7	0	33	0	0	0	0	0
	VOLUMES	26	2	0	0	4	86	66	0	46	2	55	1	288	0	0	1	0	1
	APPROACH %	93%	7%	0%	0%	4%	96%	59%	0%	41%	3%	95%	2%						
	APP/DEPART	28	/	68	90	/	52	112	/	0	58	/	168	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	11	1	0	0	3	47	29	0	29	2	24	0	147					
	APPROACH %	92%	8%	0%	0%	6%	94%	49%	0%	49%	8%	92%	0%						
	PEAK HR FACTOR		0.750			0.781			0.776			0.542		0.896					
	APP/DEPART	12	/	30	50	/	34	59	/	0	26	/	83	0					
PM	4:00 PM	4	0	0	0	0	6	10	0	8	0	5	0	33	0	0	0	0	0
	4:15 PM	4	0	0	0	0	3	6	0	2	0	2	0	17	0	0	0	0	0
	4:30 PM	0	0	0	0	2	4	4	0	4	0	5	0	19	0	0	0	0	0
	4:45 PM	1	0	0	0	0	2	2	0	5	0	3	1	14	0	0	0	0	0
	5:00 PM	0	0	0	0	0	5	0	0	5	0	6	1	17	0	0	0	0	0
	5:15 PM	3	1	0	0	1	8	1	0	6	0	6	0	26	0	0	0	0	0
	5:30 PM	1	0	0	0	1	5	1	0	1	0	0	0	9	0	0	0	0	0
	5:45 PM	3	0	0	0	1	4	2	0	3	0	2	1	16	0	0	0	0	0
	VOLUMES	16	1	0	0	5	37	26	0	34	0	29	3	151	0	0	0	0	0
	APPROACH %	94%	6%	0%	0%	12%	88%	43%	0%	57%	0%	91%	9%						
	APP/DEPART	17	/	30	42	/	39	60	/	0	32	/	82	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	5	1	0	0	2	20	4	0	17	0	15	2	66					
	APPROACH %	83%	17%	0%	0%	9%	91%	19%	0%	81%	0%	88%	12%						
	PEAK HR FACTOR		0.375			0.611			0.750			0.607		0.635					
	APP/DEPART	6	/	7	22	/	19	21	/	0	17	/	40	0					



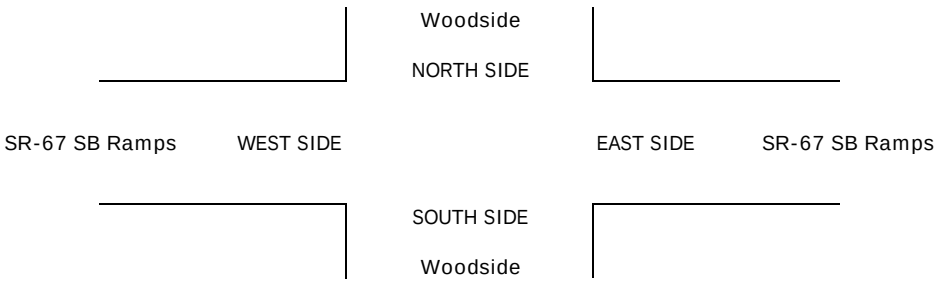
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Woodside	LOCATION #:	4	
	EAST & WEST:	SR-67 SB Ramps	CONTROL:	STOP ALL	

CLASS 3:	NOTES:	AM / PM / MD / OTHER / OTHER
3-AXLE TRUCKS		▲ N ◄ W E ► S ▼

		NORTHBOUND Woodside			SOUTHBOUND Woodside			EASTBOUND SR-67 SB Ramps			WESTBOUND SR-67 SB Ramps				U-TURNS				
	LANES:	NL 1	NT 1	NR X	SL 0	ST 1	SR 0	EL 1	ET X	ER 1	WL 0.5	WT 1	WR 0.5	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	3	0	1	0	1	0	5	0	0	0	0	0
	7:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	7:30 AM	0	0	0	0	1	1	0	0	0	0	2	0	4	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	8:00 AM	0	0	0	0	0	1	0	0	1	0	1	0	3	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	1	0	2	0	3	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	0	0
	VOLUMES	0	0	0	0	1	3	4	0	4	0	7	0	19	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	25%	75%	50%	0%	50%	0%	100%	0%						
	APP/DEPART	0	/	4	4	/	5	8	/	0	7	/	10	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	1	2	0	0	3	0	5	0	11					
	APPROACH %	0%	0%	0%	0%	33%	67%	0%	0%	100%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.375			0.750			0.625		0.688					
	APP/DEPART	0	/	0	3	/	4	3	/	0	5	/	7	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	2	0	0	1	0	0	0	3	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	1	0	1	0	0	0	2	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	5:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	5:15 PM	0	1	0	0	0	1	0	0	0	0	1	0	3	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	1	1	0	0	0	0	0	2	0	0	0	0	0
	VOLUMES	0	1	0	0	0	5	3	0	2	0	1	0	12	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	0%	100%	60%	0%	40%	0%	100%	0%						
	APP/DEPART	1	/	4	5	/	2	5	/	0	1	/	6	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	0	1	0	0	0	2	1	0	0	0	1	0	5					
	APPROACH %	0%	100%	0%	0%	0%	100%	100%	0%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.250			0.500			0.250			0.250		0.417					
	APP/DEPART	1	/	2	2	/	0	1	/	0	1	/	3	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Woodside	LOCATION #:	4	
	EAST & WEST:	SR-67 SB Ramps	CONTROL:	STOP ALL	

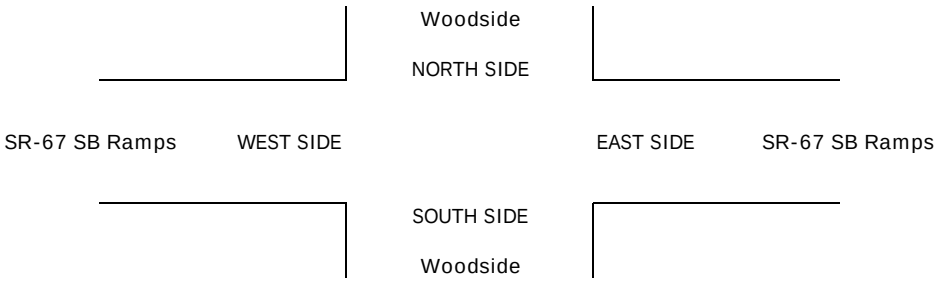
CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Woodside			SOUTHBOUND Woodside			EASTBOUND SR-67 SB Ramps			WESTBOUND SR-67 SB Ramps				U-TURNS				
	LANES:	NL 1	NT 1	NR X	SL 0	ST 1	SR 0	EL 1	ET X	ER 1	WL 0.5	WT 1	WR 0.5	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	1	0	0	1	0	1	0	3	0	0	0	0	0
	7:15 AM	0	0	0	0	1	1	1	0	0	0	0	0	3	0	0	0	0	0
	7:30 AM	1	0	0	0	0	0	1	0	3	1	1	0	7	0	0	0	0	0
	7:45 AM	0	0	0	0	1	1	0	0	1	0	0	0	3	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	1	0	1	1	0	0	3	0	0	0	0	0
	8:15 AM	0	0	0	0	0	1	3	0	0	0	2	0	6	0	0	1	0	1
	8:30 AM	0	0	0	0	0	0	1	0	0	0	2	0	3	0	0	0	0	0
	8:45 AM	0	0	0	0	0	1	1	0	1	0	0	0	3	0	0	0	0	0
	VOLUMES	1	0	0	0	2	5	8	0	7	2	6	0	31	0	0	1	0	1
	APPROACH %	100%	0%	0%	0%	29%	71%	53%	0%	47%	25%	75%	0%						
	APP/DEPART	1	/	7	7	/	11	15	/	0	8	/	13	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	1	0	0	0	1	2	4	0	5	2	3	0	19					
	APPROACH %	100%	0%	0%	0%	33%	67%	40%	0%	50%	40%	60%	0%						
	PEAK HR FACTOR		0.250			0.375			0.625			0.625		0.679					
	APP/DEPART	1	/	4	3	/	8	10	/	0	5	/	7	0					
PM	4:00 PM	0	0	0	0	0	2	0	0	3	0	0	0	5	0	0	0	0	0
	4:15 PM	0	0	0	0	0	1	1	0	2	0	1	0	5	0	0	0	0	0
	4:30 PM	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:45 PM	0	0	0	0	0	1	1	0	0	0	0	1	3	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	1	0	1	0	1	0	0	0	3	0	0	0	0	0
	5:30 PM	1	0	0	0	0	4	0	0	2	0	0	0	7	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	VOLUMES	2	0	0	0	1	8	3	0	9	0	1	1	25	0	0	0	0	0
	APPROACH %	100%	0%	0%	0%	11%	89%	25%	0%	75%	0%	50%	50%						
	APP/DEPART	2	/	4	9	/	10	12	/	0	2	/	11	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	1	0	0	0	1	5	2	0	3	0	0	1	13					
	APPROACH %	100%	0%	0%	0%	17%	83%	40%	0%	60%	0%	0%	100%						
	PEAK HR FACTOR		0.250			0.375			0.625			0.250		0.464					
	APP/DEPART	1	/	3	6	/	4	5	/	0	1	/	6	0					



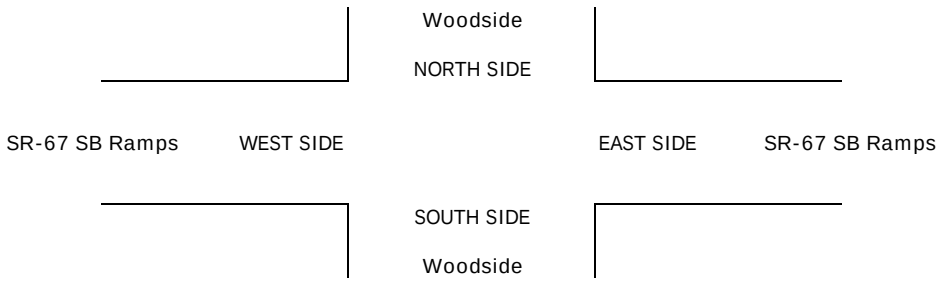
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Woodside	LOCATION #:	4	
	EAST & WEST:	SR-67 SB Ramps	CONTROL:	STOP ALL	

CLASS 5:	NOTES:	AM		▲ N	
RV		PM	◄ W		E ►
		MD			
		OTHER		S ▼	
		OTHER			

		NORTHBOUND Woodside			SOUTHBOUND Woodside			EASTBOUND SR-67 SB Ramps			WESTBOUND SR-67 SB Ramps				U-TURNS				
	LANES:	NL 1	NT 1	NR X	SL 0	ST 1	SR 0	EL 1	ET X	ER 1	WL 0.5	WT 1	WR 0.5	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	1	0	0	1	2	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%						
	APP/DEPART	0	/	1	0	/	1	1	/	0	1	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	1	1					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.250		0.250					
	APP/DEPART	0	/	1	0	/	0	0	/	0	1	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

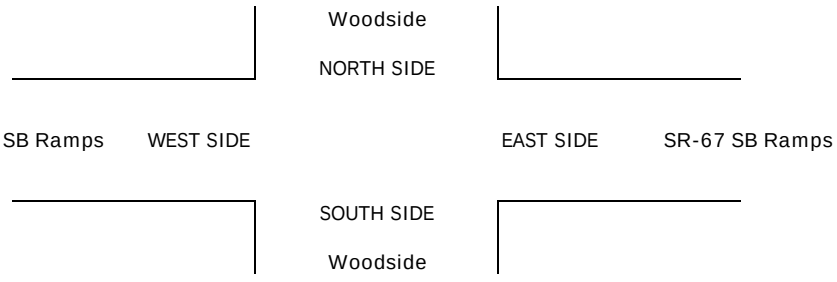
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Woodside	LOCATION #:	4
TUESDAY	EAST & WEST:	SR-67 SB Ramps	CONTROL:	STOP ALL

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND (Woodside)			SOUTHBOUND (Woodside)			EASTBOUND (SR-67 SB Ramps)			WESTBOUND (SR-67 SB Ramps)				U-TURNS				
	LANES:	NL 1	NT 1	NR X	SL 0	ST 1	SR 0	EL 1	ET X	ER 1	WL 0.5	WT 1	WR 0.5	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	7:15 AM	3	0	0	0	0	1	1	0	2	0	0	0	7	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0
	8:00 AM	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	1	0	0	0	0	0	0	0	2	0	0	0	3	0	0	0	0	0
	VOLUMES	6	0	0	0	0	1	1	0	7	0	1	0	16	0	0	0	0	0
	APPROACH %	100%	0%	0%	0%	0%	100%	13%	0%	88%	0%	100%	0%						
	APP/DEPART	6	/	1	1	/	7	8	/	0	1	/	8	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	2	0	0	0	0	0	0	0	2	0	1	0	5					
	APPROACH %	100%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%	0%						
	PEAK HR FACTOR		0.250			0.000			0.500			0.250		0.625					
	APP/DEPART	2	/	0	0	/	2	2	/	0	1	/	3	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
Tue, May 2, 23	NORTH & SOUTH:	Hartley	LOCATION #:	5
	EAST & WEST:	Woodside	CONTROL:	STOP S

NOTES:

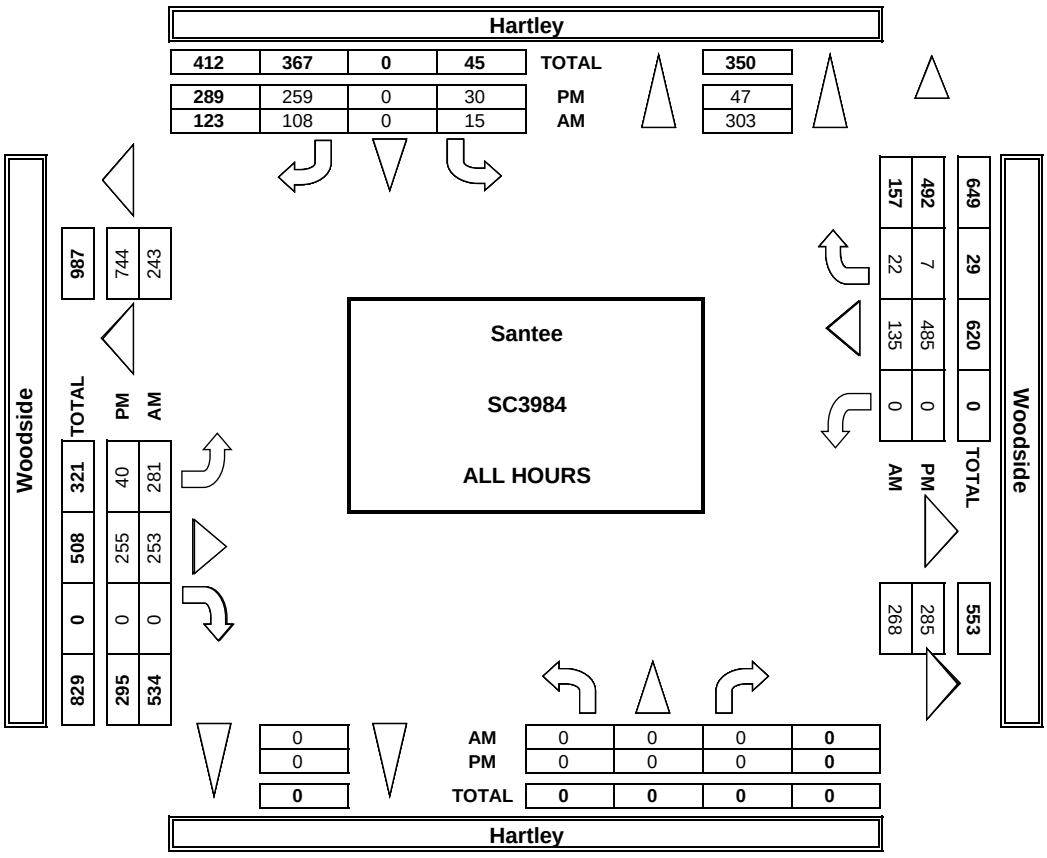
AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

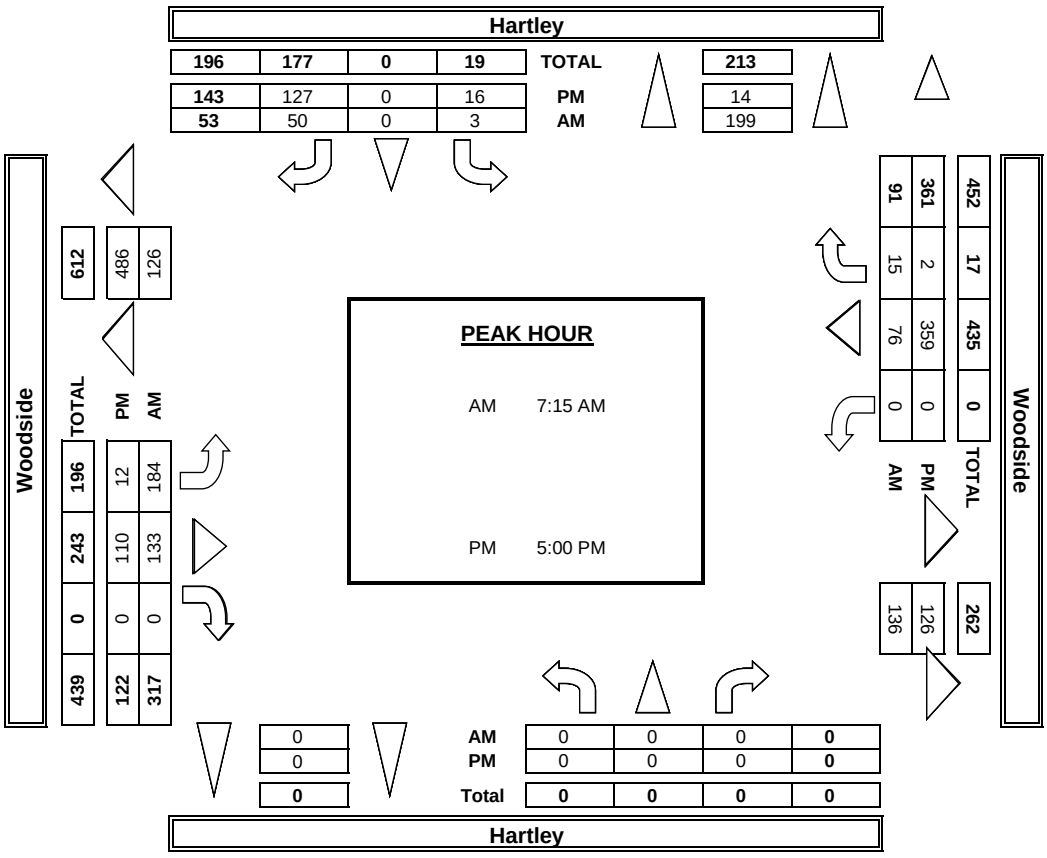
		NORTHBOUND Hartley			SOUTHBOUND Hartley			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	0	0	0	15	41	28	0	0	11	2	97	0	0	0	0	0
	7:15 AM	0	0	0	0	0	10	36	30	0	0	13	1	90	0	0	0	0	0
	7:30 AM	0	0	0	1	0	14	38	32	0	0	22	1	108	0	0	0	0	0
	7:45 AM	0	0	0	2	0	7	67	44	0	0	15	9	144	0	0	0	0	0
	8:00 AM	0	0	0	0	0	19	43	27	0	0	26	4	119	0	0	0	0	0
	8:15 AM	0	0	0	1	0	19	21	23	0	0	12	1	77	0	0	0	0	0
	8:30 AM	0	0	0	6	0	13	19	34	0	0	15	1	88	0	0	0	0	0
	8:45 AM	0	0	0	5	0	11	16	35	0	0	21	3	91	0	0	0	0	0
	VOLUMES	0	0	0	15	0	108	281	253	0	0	135	22	814	0	0	0	0	0
	APPROACH %	0%	0%	0%	12%	0%	88%	53%	47%	0%	0%	86%	14%						
	APP/DEPART	0	/	303	123	/	0	534	/	268	157	/	243	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	3	0	50	184	133	0	0	76	15	461					
	APPROACH %	0%	0%	0%	6%	0%	94%	58%	42%	0%	0%	84%	16%						
	PEAK HR FACTOR		0.000			0.697			0.714			0.758		0.800					
	APP/DEPART	0	/	199	53	/	0	317	/	136	91	/	126	0					
PM	4:00 PM	0	0	0	4	0	37	9	39	0	0	35	2	126	0	0	0	0	0
	4:15 PM	0	0	0	4	0	24	7	26	0	0	37	1	99	0	0	0	0	0
	4:30 PM	0	0	0	5	0	55	6	37	0	0	31	1	135	0	0	0	0	0
	4:45 PM	0	0	0	1	0	16	6	43	0	0	23	1	90	0	0	0	0	0
	5:00 PM	0	0	0	13	0	74	4	29	0	0	70	1	191	0	0	0	0	0
	5:15 PM	0	0	0	1	0	26	6	26	0	0	113	0	172	0	0	0	0	0
	5:30 PM	0	0	0	1	0	16	1	25	0	0	103	0	146	0	0	0	0	0
	5:45 PM	0	0	0	1	0	11	1	30	0	0	73	1	117	0	0	0	0	0
	VOLUMES	0	0	0	30	0	259	40	255	0	0	485	7	1,076	0	0	0	0	0
	APPROACH %	0%	0%	0%	10%	0%	90%	14%	86%	0%	0%	99%	1%						
	APP/DEPART	0	/	47	289	/	0	295	/	285	492	/	744	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	16	0	127	12	110	0	0	359	2	626					
	APPROACH %	0%	0%	0%	11%	0%	89%	10%	90%	0%	0%	99%	1%						
	PEAK HR FACTOR		0.000			0.411			0.924			0.799		0.819					
	APP/DEPART	0	/	14	143	/	0	122	/	126	361	/	486	0					

		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	3	0	0	0	3	1	0	0	0	1	2	0	0	0	2
	7:15 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	3	1	0	0	4	1	0	0	0	1	2	1	0	0	3
PM	4:00 PM	2	0	0	0	2	1	0	0	0	1	1	0	0	0	1
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	2	0	0	0	2	1	0	0	0	1	1	0	0	0	1
	5:30 PM	2	2	0	1	5	1	0	0	0	1	1	2	0	1	4
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	7	2	0	1	10	3	0	0	0	3	4	2	0	1	7

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:				
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984
TUESDAY	NORTH & SOUTH:	Hartley	LOCATION #:	5
	EAST & WEST:	Woodside	CONTROL:	STOP S

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM	▲ N	
	Factor	1	1.5	2	3	2	2			PM		
										MD	◄ W	E ►
										OTHER	S ▼	
										OTHER		

	NORTHBOUND (Hartley)			SOUTHBOUND (Hartley)			EASTBOUND (Woodside)			WESTBOUND (Woodside)				U-TURNS				
LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM 7:00 AM	0	0	0	0	0	24	47	31	0	0	13	2	116					0
7:15 AM	0	0	0	0	0	16	39	34	0	0	16	1	106					0
7:30 AM	0	0	0	1	0	21	41	36	0	0	27	1	126					0
7:45 AM	0	0	0	4	0	14	67	47	0	0	18	13	162					0
8:00 AM	0	0	0	0	0	24	45	29	0	0	31	4	132					0
8:15 AM	0	0	0	1	0	23	27	26	0	0	15	1	92					0
8:30 AM	0	0	0	10	0	16	22	39	0	0	17	3	106					0
8:45 AM	0	0	0	11	0	12	17	44	0	0	26	5	115					0
VOLUMES	0	0	0	27	0	149	303	284	0	0	160	30	952	0	0	0	0	0
APPROACH %	0%	0%	0%	15%	0%	85%	52%	48%	0%	0%	84%	16%						
APP/DEPART	0	/	333	176	/	0	586	/	311	190	/	309	0					
BEGIN PEAK HR		7:15 AM																
VOLUMES	0	0	0	5	0	75	191	145	0	0	91	19	525					
APPROACH %	0%	0%	0%	6%	0%	94%	57%	43%	0%	0%	83%	17%						
PEAK HR FACTOR		0.000			0.828			0.739			0.793		0.812					
APP/DEPART	0	/	210	80	/	0	336	/	150	110	/	165	0					
PM 4:00 PM	0	0	0	6	0	38	12	41	0	0	40	2	138					0
4:15 PM	0	0	0	5	0	26	8	30	0	0	43	1	111					0
4:30 PM	0	0	0	5	0	57	7	40	0	0	32	2	142					0
4:45 PM	0	0	0	1	0	19	8	46	0	0	24	1	98					0
5:00 PM	0	0	0	14	0	76	5	29	0	0	71	2	196					0
5:15 PM	0	0	0	1	0	29	11	29	0	0	115	0	184					0
5:30 PM	0	0	0	1	0	19	1	25	0	0	107	0	153					0
5:45 PM	0	0	0	2	0	12	2	32	0	0	76	2	124					0
VOLUMES	0	0	0	33	0	274	52	271	0	0	507	9	1,145	0	0	0	0	0
APPROACH %	0%	0%	0%	11%	0%	89%	16%	84%	0%	0%	98%	2%						
APP/DEPART	0	/	61	307	/	0	322	/	304	516	/	781	0					
BEGIN PEAK HR		5:00 PM																
VOLUMES	0	0	0	17	0	136	18	115	0	0	369	3	656					
APPROACH %	0%	0%	0%	11%	0%	89%	13%	87%	0%	0%	99%	1%						
PEAK HR FACTOR		0.000			0.426			0.846			0.808		0.839					
APP/DEPART	0	/	21	153	/	0	132	/	132	372	/	504	0					

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

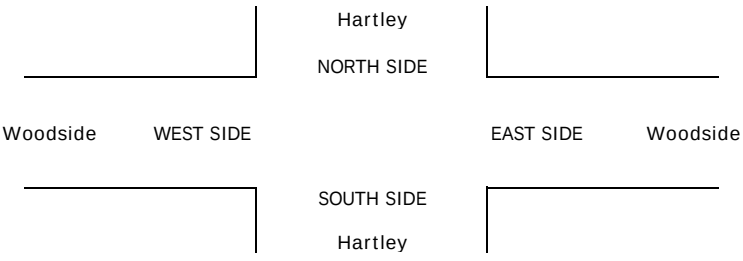
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Hartley	LOCATION #:	5
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Hartley			SOUTHBOUND Hartley			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	1	33	26	0	0	9	2	71	0	0	0	0	0
	7:15 AM	0	0	0	0	0	5	32	25	0	0	8	1	71	0	0	0	0	0
	7:30 AM	0	0	0	1	0	3	34	28	0	0	16	1	83	0	0	0	0	0
	7:45 AM	0	0	0	1	0	0	67	39	0	0	11	7	125	0	0	0	0	0
	8:00 AM	0	0	0	0	0	9	39	24	0	0	20	4	96	0	0	0	0	0
	8:15 AM	0	0	0	1	0	14	16	18	0	0	7	1	57	0	0	0	0	0
	8:30 AM	0	0	0	4	0	8	14	27	0	0	12	0	65	0	0	0	0	0
	8:45 AM	0	0	0	2	0	9	14	27	0	0	14	2	68	0	0	0	0	0
	VOLUMES	0	0	0	9	0	49	249	214	0	0	97	18	636	0	0	0	0	0
	APPROACH %	0%	0%	0%	16%	0%	84%	54%	46%	0%	0%	84%	16%						
	APP/DEPART	0	/	267	58	/	0	463	/	223	115	/	146	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	2	0	17	172	116	0	0	55	13	375					
	APPROACH %	0%	0%	0%	11%	0%	89%	60%	40%	0%	0%	81%	19%						
	PEAK HR FACTOR		0.000			0.528			0.679			0.708		0.750					
	APP/DEPART	0	/	185	19	/	0	288	/	118	68	/	72	0					
PM	4:00 PM	0	0	0	2	0	35	3	36	0	0	31	2	109	0	0	0	0	0
	4:15 PM	0	0	0	3	0	22	6	21	0	0	32	1	85	0	0	0	0	0
	4:30 PM	0	0	0	5	0	52	5	31	0	0	29	0	122	0	0	0	0	0
	4:45 PM	0	0	0	1	0	14	5	41	0	0	22	1	84	0	0	0	0	0
	5:00 PM	0	0	0	12	0	71	3	29	0	0	68	0	183	0	0	0	0	0
	5:15 PM	0	0	0	1	0	23	3	24	0	0	110	0	161	0	0	0	0	0
	5:30 PM	0	0	0	1	0	13	1	25	0	0	101	0	141	0	0	0	0	0
	5:45 PM	0	0	0	0	0	10	0	27	0	0	71	0	108	0	0	0	0	0
	VOLUMES	0	0	0	25	0	240	26	234	0	0	464	4	993	0	0	0	0	0
	APPROACH %	0%	0%	0%	9%	0%	91%	10%	90%	0%	0%	99%	1%						
	APP/DEPART	0	/	30	265	/	0	260	/	259	468	/	704	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	14	0	117	7	105	0	0	350	0	593					
	APPROACH %	0%	0%	0%	11%	0%	89%	6%	94%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.395			0.875			0.795		0.810					
	APP/DEPART	0	/	7	131	/	0	112	/	119	350	/	467	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

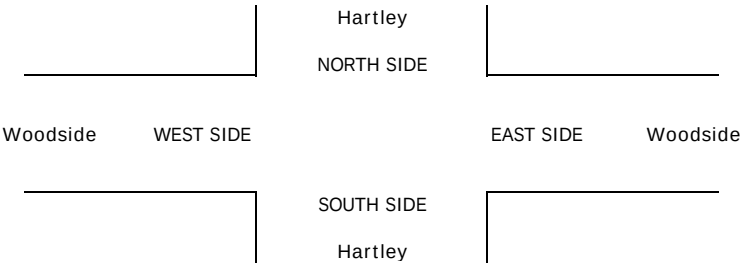
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Hartley	LOCATION #:	5
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS

NOTES:

AM PM MD OTHER OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Hartley			SOUTHBOUND Hartley			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	13	7	0	0	0	1	0	21	0	0	0	0	0
	7:15 AM	0	0	0	0	0	2	3	4	0	0	4	0	13	0	0	0	0	0
	7:30 AM	0	0	0	0	0	10	3	3	0	0	5	0	21	0	0	0	0	0
	7:45 AM	0	0	0	0	0	5	0	5	0	0	3	0	13	0	0	0	0	0
	8:00 AM	0	0	0	0	0	10	4	3	0	0	5	0	22	0	0	0	0	0
	8:15 AM	0	0	0	0	0	4	3	5	0	0	5	0	17	0	0	0	0	0
	8:30 AM	0	0	0	0	0	5	5	6	0	0	3	0	19	0	0	0	0	0
	8:45 AM	0	0	0	0	0	2	2	5	0	0	6	0	15	0	0	0	0	0
	VOLUMES	0	0	0	0	0	51	27	31	0	0	32	0	141	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	100%	47%	53%	0%	0%	100%	0%						
	APP/DEPART	0	/	27	51	/	0	58	/	31	32	/	83	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	0	0	27	10	15	0	0	17	0	69					
	APPROACH %	0%	0%	0%	0%	0%	100%	40%	60%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.675			0.893			0.850		0.784					
	APP/DEPART	0	/	10	27	/	0	25	/	15	17	/	44	0					
PM	4:00 PM	0	0	0	1	0	2	6	3	0	0	2	0	14	0	0	0	0	0
	4:15 PM	0	0	0	1	0	1	1	4	0	0	3	0	10	0	0	0	0	0
	4:30 PM	0	0	0	0	0	3	1	6	0	0	2	0	12	0	0	0	0	0
	4:45 PM	0	0	0	0	0	1	0	1	0	0	1	0	3	0	0	0	0	0
	5:00 PM	0	0	0	1	0	2	1	0	0	0	2	1	7	0	0	0	0	0
	5:15 PM	0	0	0	0	0	2	1	1	0	0	2	0	6	0	0	0	0	0
	5:30 PM	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0
	5:45 PM	0	0	0	1	0	1	1	2	0	0	1	1	7	0	0	0	0	0
	VOLUMES	0	0	0	4	0	14	11	17	0	0	13	2	61	0	0	0	0	0
	APPROACH %	0%	0%	0%	22%	0%	78%	39%	61%	0%	0%	87%	13%						
	APP/DEPART	0	/	13	18	/	0	28	/	21	15	/	27	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	2	0	7	3	3	0	0	5	2	22					
	APPROACH %	0%	0%	0%	22%	0%	78%	50%	50%	0%	0%	71%	29%						
	PEAK HR FACTOR		0.000			0.750			0.500			0.583		0.786					
	APP/DEPART	0	/	5	9	/	0	6	/	5	7	/	12	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

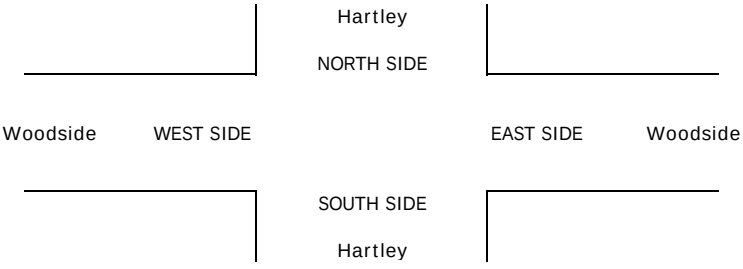
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Hartley	LOCATION #:	5
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND (Hartley)			SOUTHBOUND (Hartley)			EASTBOUND (Woodside)			WESTBOUND (Woodside)				U-TURNS				
LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
7:00 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
7:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	1	0	1	0	0	1	0	3	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	100%	0%						
APP/DEPART	0	/	0	1	/	0	1	/	1	1	/	2	0					
BEGIN PEAK HR		7:15 AM																
VOLUMES	0	0	0	0	0	1	0	0	0	0	1	0	2					
APPROACH %	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%						
PEAK HR FACTOR		0.000			0.250			0.000			0.250		0.500					
APP/DEPART	0	/	0	1	/	0	0	/	0	1	/	2	0					
4:00 PM	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
4:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
VOLUMES	0	0	0	1	0	2	0	1	0	0	0	1	5	0	0	0	0	0
APPROACH %	0%	0%	0%	33%	0%	67%	0%	100%	0%	0%	0%	100%						
APP/DEPART	0	/	1	3	/	0	1	/	2	1	/	2	0					
BEGIN PEAK HR		5:00 PM																
VOLUMES	0	0	0	0	0	1	0	1	0	0	0	0	2					
APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%						
PEAK HR FACTOR		0.000			0.250			0.250			0.000		0.500					
APP/DEPART	0	/	0	1	/	0	1	/	1	0	/	1	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

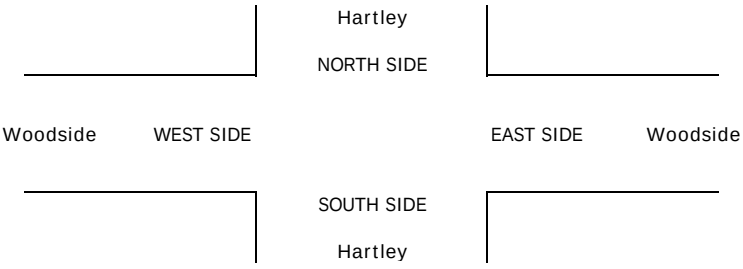
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Hartley	LOCATION #:	5
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Hartley			SOUTHBOUND Hartley			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	1	1	1	0	0	0	0	3	0	0	0	0	0
	7:15 AM	0	0	0	0	0	2	0	1	0	0	0	0	3	0	0	0	0	0
	7:30 AM	0	0	0	0	0	1	0	1	0	0	1	0	3	0	0	0	0	0
	7:45 AM	0	0	0	1	0	2	0	0	0	0	0	2	5	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	8:15 AM	0	0	0	0	0	1	2	0	0	0	0	0	3	0	0	0	0	0
	8:30 AM	0	0	0	2	0	0	0	1	0	0	0	1	4	0	0	0	0	0
	8:45 AM	0	0	0	3	0	0	0	3	0	0	1	1	8	0	0	0	0	0
	VOLUMES	0	0	0	6	0	7	3	7	0	0	3	4	30	0	0	0	0	0
	APPROACH %	0%	0%	0%	46%	0%	54%	30%	70%	0%	0%	43%	57%						
	APP/DEPART	0	/	7	13	/	0	10	/	13	7	/	10	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	1	0	5	0	2	0	0	2	2	12					
	APPROACH %	0%	0%	0%	17%	0%	83%	0%	100%	0%	0%	50%	50%						
	PEAK HR FACTOR		0.000			0.500			0.500			0.500		0.600					
	APP/DEPART	0	/	2	6	/	0	2	/	3	4	/	7	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	1	0	0	2	0	3	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	1	1	1	0	0	0	0	3	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	1	2	1	0	0	0	0	4	0	0	0	0	0
	5:30 PM	0	0	0	0	0	1	0	0	0	0	2	0	3	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	VOLUMES	0	0	0	0	0	3	3	3	0	0	7	0	16	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	100%	50%	50%	0%	0%	100%	0%						
	APP/DEPART	0	/	3	3	/	0	6	/	3	7	/	10	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	2	2	1	0	0	3	0	8					
	APPROACH %	0%	0%	0%	0%	0%	100%	67%	33%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.500			0.250			0.375		0.500					
	APP/DEPART	0	/	2	2	/	0	3	/	1	3	/	5	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

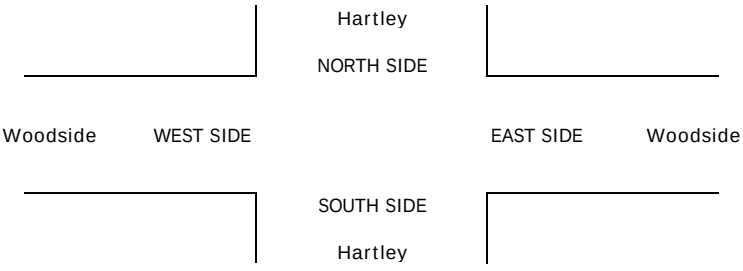
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Hartley	LOCATION #:	5
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 5:	NOTES:
RV	

AM
PM
MD
OTHER
OTHER

▲ N
◄ W E ►
S ▼

		NORTHBOUND Hartley			SOUTHBOUND Hartley			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	1	0	/	0	1	/	0	0	/	0	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	0	0	0	1	0	0	0	0	0	1					
	APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.250			0.000		0.250					
	APP/DEPART	0	/	1	0	/	0	1	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

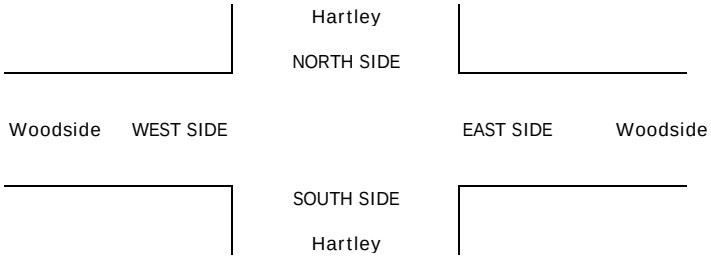
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Hartley	LOCATION #:	5
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Hartley			SOUTHBOUND Hartley			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	1	0	0	0	2	0	3	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%						
	APP/DEPART	0	/	1	0	/	0	1	/	0	2	/	2	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	0	0	0	1	0	0	0	1	0	2					
	APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.250			0.250		0.250					
	APP/DEPART	0	/	1	0	/	0	1	/	0	1	/	1	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.250		0.250					
	APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, May 2, 23

LOCATION: Santee
NORTH & SOUTH: Wheatlands
EAST & WEST: Woodside

PROJECT #: SC3984
LOCATION #: 6
CONTROL: STOP S

NOTES:

AM
PM
MD
OTHER
OTHER

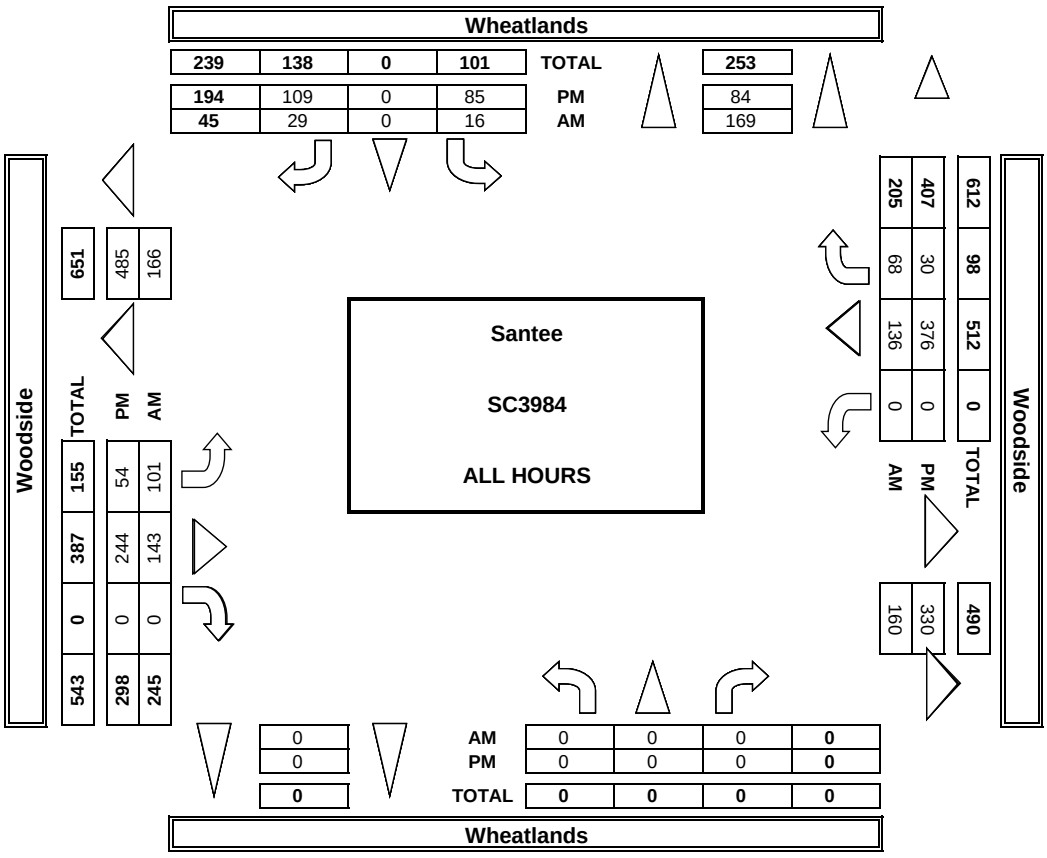
▲ N
◄ W
E ►
S ▼

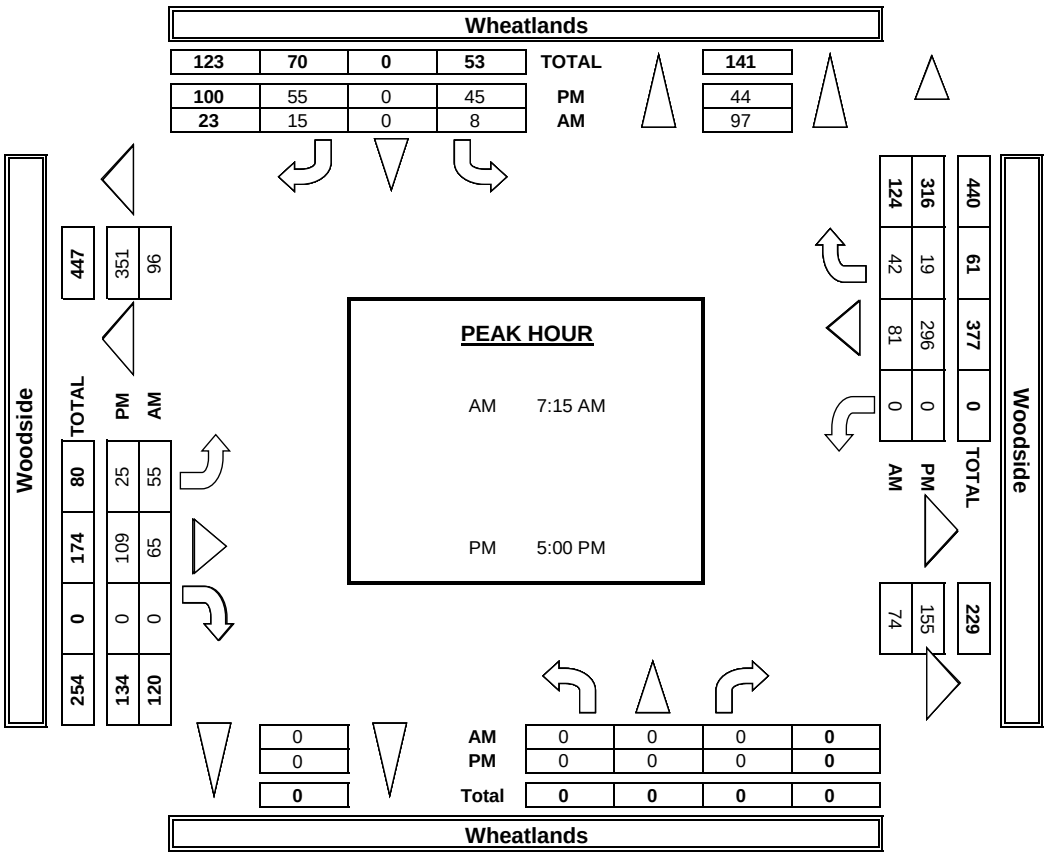
		NORTHBOUND Wheatlands			SOUTHBOUND Wheatlands			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	0	2	0	0	9	16	0	0	12	5	44	0	0	0	0	0
	7:15 AM	0	0	0	0	0	5	15	15	0	0	10	5	50	0	0	0	1	1
	7:30 AM	0	0	0	2	0	3	11	17	0	0	21	11	65	0	0	0	0	0
	7:45 AM	0	0	0	1	0	3	17	20	0	0	25	20	86	0	0	0	0	0
	8:00 AM	0	0	0	5	0	4	12	13	0	0	25	6	65	0	0	0	0	0
	8:15 AM	0	0	0	0	0	7	6	18	0	0	8	10	49	0	0	0	0	0
	8:30 AM	0	0	0	2	0	3	13	25	0	0	13	4	60	0	0	0	0	0
	8:45 AM	0	0	0	4	0	4	18	19	0	0	22	7	74	0	0	1	0	1
	VOLUMES	0	0	0	16	0	29	101	143	0	0	136	68	495	0	0	1	1	2
	APPROACH %	0%	0%	0%	36%	0%	64%	41%	58%	0%	0%	66%	33%						
	APP/DEPART	0	/	169	45	/	0	245	/	160	205	/	166	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	8	0	15	55	65	0	0	81	42	267					
	APPROACH %	0%	0%	0%	35%	0%	65%	46%	54%	0%	0%	65%	34%						
	PEAK HR FACTOR		0.000			0.639			0.811			0.689		0.776					
	APP/DEPART	0	/	97	23	/	0	120	/	74	124	/	96	0					
PM	4:00 PM	0	0	0	12	0	20	8	40	0	0	19	2	101	0	0	0	0	0
	4:15 PM	0	0	0	6	0	11	3	25	0	0	27	0	72	0	0	0	0	0
	4:30 PM	0	0	0	9	0	12	8	34	0	0	20	4	87	0	0	0	0	0
	4:45 PM	0	0	0	13	0	11	10	36	0	0	14	5	89	0	0	0	0	0
	5:00 PM	0	0	0	26	0	27	4	42	0	0	33	6	138	0	0	0	0	0
	5:15 PM	0	0	0	7	0	7	7	20	0	0	119	1	161	0	0	0	0	0
	5:30 PM	0	0	0	7	0	12	7	22	0	0	78	9	135	0	0	0	0	0
	5:45 PM	0	0	0	5	0	9	7	25	0	0	66	3	115	0	0	0	1	1
	VOLUMES	0	0	0	85	0	109	54	244	0	0	376	30	899	0	0	0	1	1
	APPROACH %	0%	0%	0%	44%	0%	56%	18%	82%	0%	0%	92%	7%						
	APP/DEPART	0	/	84	194	/	0	298	/	330	407	/	485	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	45	0	55	25	109	0	0	296	19	550					
	APPROACH %	0%	0%	0%	45%	0%	55%	19%	81%	0%	0%	94%	6%						
	PEAK HR FACTOR		0.000			0.472			0.728			0.658		0.854					
	APP/DEPART	0	/	44	100	/	0	134	/	155	316	/	351	0					

		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	2	1	0	0	3	1	0	0	0	1	1	1	0	0	2
	7:15 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	2	2	0	0	4	1	0	0	0	1	1	2	0	0	3
PM	4:00 PM	2	0	0	0	2	1	0	0	0	1	1	0	0	0	1
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	2	0	0	0	2	1	0	0	0	1	1	0	0	0	1
	5:30 PM	2	2	0	0	4	1	0	0	0	1	1	2	0	0	3
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	7	2	0	0	9	3	0	0	0	3	4	2	0	0	6

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Wheatlands	LOCATION #:	6
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

	NOTES:									AM		▲ N	
PCE	Class	1	2	3	4	5	6			PM			
Adjusted	Factor	1	1.5	2	3	2	2			MD	◄ W		E ►
										OTHER		S	
										OTHER		▼	

	NORTHBOUND (Wheatlands)			SOUTHBOUND (Wheatlands)			EASTBOUND (Woodside)			WESTBOUND (Woodside)				U-TURNS				
LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM 7:00 AM	0	0	0	3	0	0	9	16	0	0	13	5	46					0
7:15 AM	0	0	0	0	0	8	16	19	0	0	11	6	58					0
7:30 AM	0	0	0	2	0	5	12	18	0	0	24	16	77					0
7:45 AM	0	0	0	1	0	7	20	21	0	0	28	20	96					0
8:00 AM	0	0	0	6	0	5	13	14	0	0	28	7	72					0
8:15 AM	0	0	0	0	0	10	8	20	0	0	10	12	58					0
8:30 AM	0	0	0	3	0	6	20	29	0	0	15	4	76					0
8:45 AM	0	0	0	5	0	7	26	23	0	0	25	8	93					0
VOLUMES	0	0	0	20	0	47	123	158	0	0	151	77	574	0	0	0	0	0
APPROACH %	0%	0%	0%	30%	0%	70%	44%	56%	0%	0%	66%	34%						
APP/DEPART	0	/	199	66	/	0	280	/	177	228	/	198	0					
BEGIN PEAK HR		7:15 AM																
VOLUMES	0	0	0	9	0	25	60	71	0	0	89	49	302					
APPROACH %	0%	0%	0%	27%	0%	73%	46%	54%	0%	0%	65%	35%						
PEAK HR FACTOR		0.000			0.761			0.816			0.724		0.789					
APP/DEPART	0	/	109	34	/	0	131	/	80	138	/	114	0					
PM 4:00 PM	0	0	0	13	0	24	9	42	0	0	20	3	111					0
4:15 PM	0	0	0	6	0	12	4	27	0	0	28	0	76					0
4:30 PM	0	0	0	10	0	12	9	36	0	0	22	5	92					0
4:45 PM	0	0	0	13	0	11	13	37	0	0	14	5	93					0
5:00 PM	0	0	0	27	0	28	4	44	0	0	34	6	143					0
5:15 PM	0	0	0	7	0	8	8	20	0	0	121	1	164					0
5:30 PM	0	0	0	7	0	14	7	23	0	0	80	10	140					0
5:45 PM	0	0	0	5	0	10	8	27	0	0	69	4	121					0
VOLUMES	0	0	0	87	0	118	60	255	0	0	386	33	938	0	0	0	0	0
APPROACH %	0%	0%	0%	43%	0%	57%	19%	81%	0%	0%	92%	8%						
APP/DEPART	0	/	93	205	/	0	315	/	342	419	/	504	0					
BEGIN PEAK HR		5:00 PM																
VOLUMES	0	0	0	46	0	59	26	114	0	0	303	20	567					
APPROACH %	0%	0%	0%	44%	0%	56%	19%	81%	0%	0%	94%	6%						
PEAK HR FACTOR		0.000			0.479			0.727			0.665		0.867					
APP/DEPART	0	/	46	105	/	0	140	/	159	323	/	362	0					

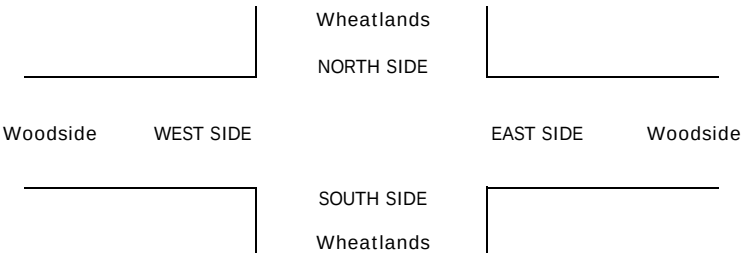
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
5/2/23	LOCATION:	Santee	PROJECT #:	SC3984	
TUESDAY	NORTH & SOUTH:	Wheatlands	LOCATION #:	6	
	EAST & WEST:	Woodside	CONTROL:	STOP S	

CLASS 1:	NOTES:	AM		▲ N	
PASSENGER VEHICLES		PM	◄ W		E ►
		MD		S	
		OTHER		▼	
		OTHER			

		NORTHBOUND Wheatlands			SOUTHBOUND Wheatlands			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	1	0	0	9	16	0	0	10	5	41	0	0	0	0	0
	7:15 AM	0	0	0	0	0	1	14	11	0	0	9	4	39	0	0	0	0	0
	7:30 AM	0	0	0	2	0	0	10	15	0	0	16	8	51	0	0	0	0	0
	7:45 AM	0	0	0	1	0	1	15	19	0	0	21	20	77	0	0	0	0	0
	8:00 AM	0	0	0	3	0	2	10	12	0	0	21	5	53	0	0	0	0	0
	8:15 AM	0	0	0	0	0	2	3	15	0	0	5	7	32	0	0	0	0	0
	8:30 AM	0	0	0	1	0	1	8	21	0	0	10	4	45	0	0	0	0	0
	8:45 AM	0	0	0	3	0	1	12	14	0	0	16	6	52	0	0	0	0	0
	VOLUMES	0	0	0	11	0	8	81	123	0	0	108	59	390	0	0	0	0	0
	APPROACH %	0%	0%	0%	58%	0%	42%	40%	60%	0%	0%	65%	35%						
	APP/DEPART	0	/	140	19	/	0	204	/	134	167	/	116	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	6	0	4	49	57	0	0	67	37	220					
	APPROACH %	0%	0%	0%	60%	0%	40%	46%	54%	0%	0%	64%	36%						
	PEAK HR FACTOR		0.000			0.500			0.779			0.634		0.714					
	APP/DEPART	0	/	86	10	/	0	106	/	63	104	/	71	0					
PM	4:00 PM	0	0	0	10	0	18	7	37	0	0	17	1	90	0	0	0	0	0
	4:15 PM	0	0	0	6	0	10	2	22	0	0	26	0	66	0	0	0	0	0
	4:30 PM	0	0	0	8	0	12	6	31	0	0	18	3	78	0	0	0	0	0
	4:45 PM	0	0	0	13	0	11	8	34	0	0	14	5	85	0	0	0	0	0
	5:00 PM	0	0	0	25	0	25	4	41	0	0	31	6	132	0	0	0	0	0
	5:15 PM	0	0	0	7	0	6	6	20	0	0	116	1	156	0	0	0	0	0
	5:30 PM	0	0	0	7	0	11	7	21	0	0	75	8	129	0	0	0	0	0
	5:45 PM	0	0	0	5	0	8	6	22	0	0	62	2	105	0	0	0	1	1
	VOLUMES	0	0	0	81	0	101	46	228	0	0	359	26	842	0	0	0	1	1
	APPROACH %	0%	0%	0%	45%	0%	55%	17%	83%	0%	0%	93%	7%						
	APP/DEPART	0	/	72	182	/	0	274	/	310	386	/	460	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	44	0	50	23	104	0	0	284	17	523					
	APPROACH %	0%	0%	0%	47%	0%	53%	18%	82%	0%	0%	94%	6%						
	PEAK HR FACTOR		0.000			0.470			0.706			0.645		0.838					
	APP/DEPART	0	/	40	94	/	0	127	/	149	302	/	334	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

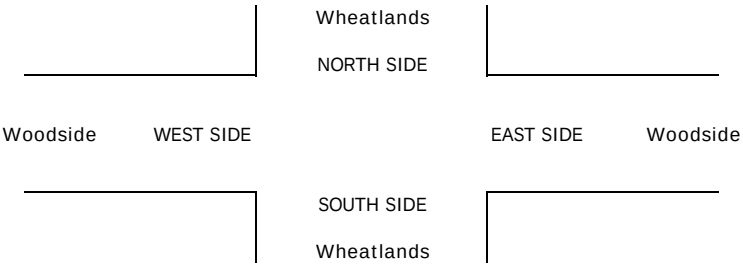
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Wheatlands	LOCATION #:	6
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND (Wheatlands)			SOUTHBOUND (Wheatlands)			EASTBOUND (Woodside)			WESTBOUND (Woodside)				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
	7:15 AM	0	0	0	0	0	3	1	3	0	0	1	0	8	0	0	0	0	0
	7:30 AM	0	0	0	0	0	2	0	2	0	0	5	0	9	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	1	1	0	0	3	0	5	0	0	0	0	0
	8:00 AM	0	0	0	2	0	2	2	1	0	0	3	1	11	0	0	0	0	0
	8:15 AM	0	0	0	0	0	5	3	3	0	0	3	3	17	0	0	0	0	0
	8:30 AM	0	0	0	0	0	1	2	3	0	0	3	0	9	0	0	0	0	0
	8:45 AM	0	0	0	1	0	2	2	4	0	0	6	1	16	0	0	0	0	0
	VOLUMES	0	0	0	3	0	15	11	17	0	0	26	5	77	0	0	0	0	0
	APPROACH %	0%	0%	0%	17%	0%	83%	39%	61%	0%	0%	84%	16%						
	APP/DEPART	0	/	16	18	/	0	28	/	20	31	/	41	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	2	0	7	4	7	0	0	12	1	33					
	APPROACH %	0%	0%	0%	22%	0%	78%	36%	64%	0%	0%	92%	8%						
	PEAK HR FACTOR		0.000			0.563			0.688			0.650		0.750					
	APP/DEPART	0	/	5	9	/	0	11	/	9	13	/	19	0					
PM	4:00 PM	0	0	0	2	0	0	1	2	0	0	2	0	7	0	0	0	0	0
	4:15 PM	0	0	0	0	0	1	0	3	0	0	1	0	5	0	0	0	0	0
	4:30 PM	0	0	0	1	0	0	2	3	0	0	1	1	8	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	1	2	0	0	0	0	3	0	0	0	0	0
	5:00 PM	0	0	0	1	0	2	0	0	0	0	2	0	5	0	0	0	0	0
	5:15 PM	0	0	0	0	0	1	1	0	0	0	3	0	5	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	1	0	0	2	1	4	0	0	0	0	0
	5:45 PM	0	0	0	0	0	1	1	2	0	0	3	1	8	0	0	0	0	0
	VOLUMES	0	0	0	4	0	5	6	13	0	0	14	3	45	0	0	0	0	0
	APPROACH %	0%	0%	0%	44%	0%	56%	32%	68%	0%	0%	82%	18%						
	APP/DEPART	0	/	9	9	/	0	19	/	17	17	/	19	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	1	0	4	2	3	0	0	10	2	22					
	APPROACH %	0%	0%	0%	20%	0%	80%	40%	60%	0%	0%	83%	17%						
	PEAK HR FACTOR		0.000			0.417			0.417			0.750		0.688					
	APP/DEPART	0	/	4	5	/	0	5	/	4	12	/	14	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

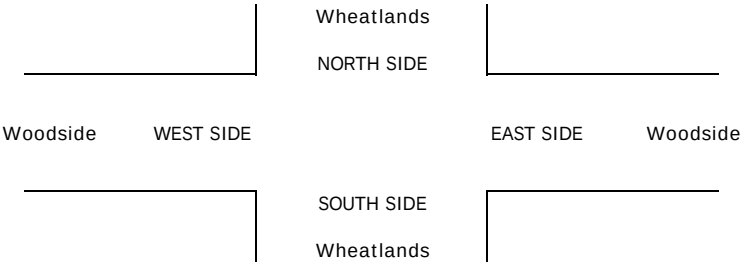
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Wheatlands	LOCATION #:	6
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND (Wheatlands)			SOUTHBOUND (Wheatlands)			EASTBOUND (Woodside)			WESTBOUND (Woodside)				U-TURNS				
LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM 7:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
7:30 AM	0	0	0	0	0	1	1	0	0	0	0	1	3	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	1
VOLUMES	0	0	0	2	0	1	2	0	0	0	2	2	11	0	0	1	1	2
APPROACH %	0%	0%	0%	67%	0%	33%	67%	0%	0%	0%	40%	40%						
APP/DEPART	0	/	4	3	/	0	3	/	3	5	/	4	0					
BEGIN PEAK HR		7:15 AM																
VOLUMES	0	0	0	0	0	1	1	0	0	0	2	2	7					
APPROACH %	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	40%	40%						
PEAK HR FACTOR		0.000			0.250			0.250			0.625		0.583					
APP/DEPART	0	/	3	1	/	0	1	/	1	5	/	3	0					
PM 4:00 PM	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	1	2	0	0	3	1	7	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	33%	67%	0%	0%	75%	25%						
APP/DEPART	0	/	2	0	/	0	3	/	2	4	/	3	0					
BEGIN PEAK HR		5:00 PM																
VOLUMES	0	0	0	0	0	0	0	1	0	0	2	0	3					
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
PEAK HR FACTOR		0.000			0.000			0.250			0.500		0.375					
APP/DEPART	0	/	0	0	/	0	1	/	1	2	/	2	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

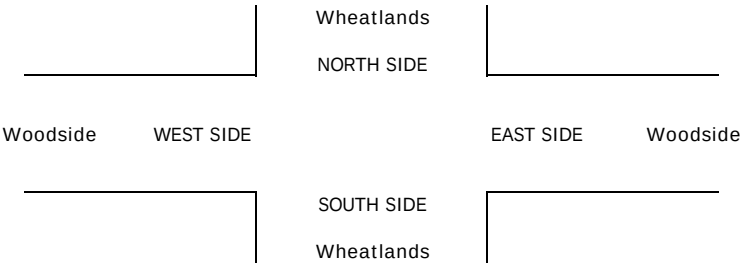
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Wheatlands	LOCATION #:	6
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Wheatlands			SOUTHBOUND Wheatlands			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0
	7:45 AM	0	0	0	0	0	2	1	0	0	0	0	0	3	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	1	3	1	0	0	0	0	5	0	0	0	0	0
	8:45 AM	0	0	0	0	0	1	3	1	0	0	0	0	5	0	0	0	0	0
	VOLUMES	0	0	0	0	0	4	7	3	0	0	0	2	16	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	100%	70%	30%	0%	0%	0%	100%						
	APP/DEPART	0	/	9	4	/	0	10	/	3	2	/	4	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	0	0	2	1	1	0	0	0	2	6					
	APPROACH %	0%	0%	0%	0%	0%	100%	50%	50%	0%	0%	0%	100%						
	PEAK HR FACTOR		0.000			0.250			0.500			0.250		0.500					
	APP/DEPART	0	/	3	2	/	0	2	/	1	2	/	2	0					
PM	4:00 PM	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	3	1	1	0	0	0	0	5	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	100%	50%	50%	0%	0%	0%	0%						
	APP/DEPART	0	/	1	3	/	0	2	/	1	0	/	3	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	1	0	1	0	0	0	0	2					
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.250			0.250			0.000		0.500					
	APP/DEPART	0	/	0	1	/	0	1	/	1	0	/	1	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

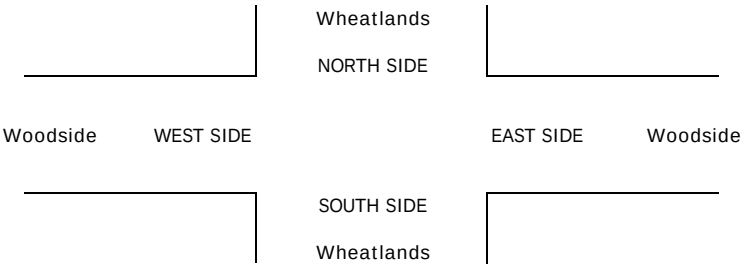
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Wheatlands	LOCATION #:	6
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 5:	NOTES:
RV	

AM
PM
MD
OTHER
OTHER

▲ N
◄ W E ►
S ▼

		NORTHBOUND Wheatlands			SOUTHBOUND Wheatlands			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



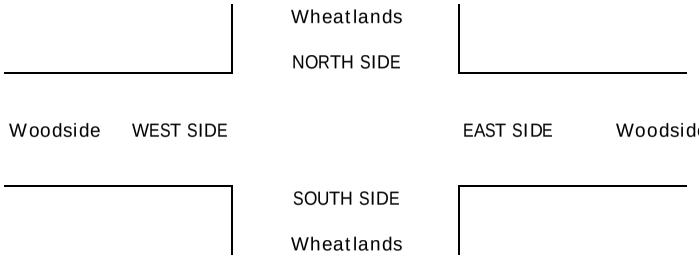
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Wheatlands	LOCATION #:	6
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 6:	NOTES:	AM / PM / MD / OTHER / OTHER
BUSES		▲ N, ◄ W, E ►, S ▼

		NORTHBOUND (Wheatlands)			SOUTHBOUND (Wheatlands)			EASTBOUND (Woodside)			WESTBOUND (Woodside)				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 1	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	1	/	0	0	/	0	0	/	1	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	0	0	1	0	0	0	0	0	0	1					
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.250			0.000			0.000		0.250					
	APP/DEPART	0	/	0	1	/	0	0	/	0	0	/	1	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, May 2, 23

LOCATION: Santee
NORTH & SOUTH: Project Access
EAST & WEST: Woodside

PROJECT #: SC3984
LOCATION #: 7
CONTROL: STOP S

NOTES:

AM / PM / MD / OTHER / OTHER

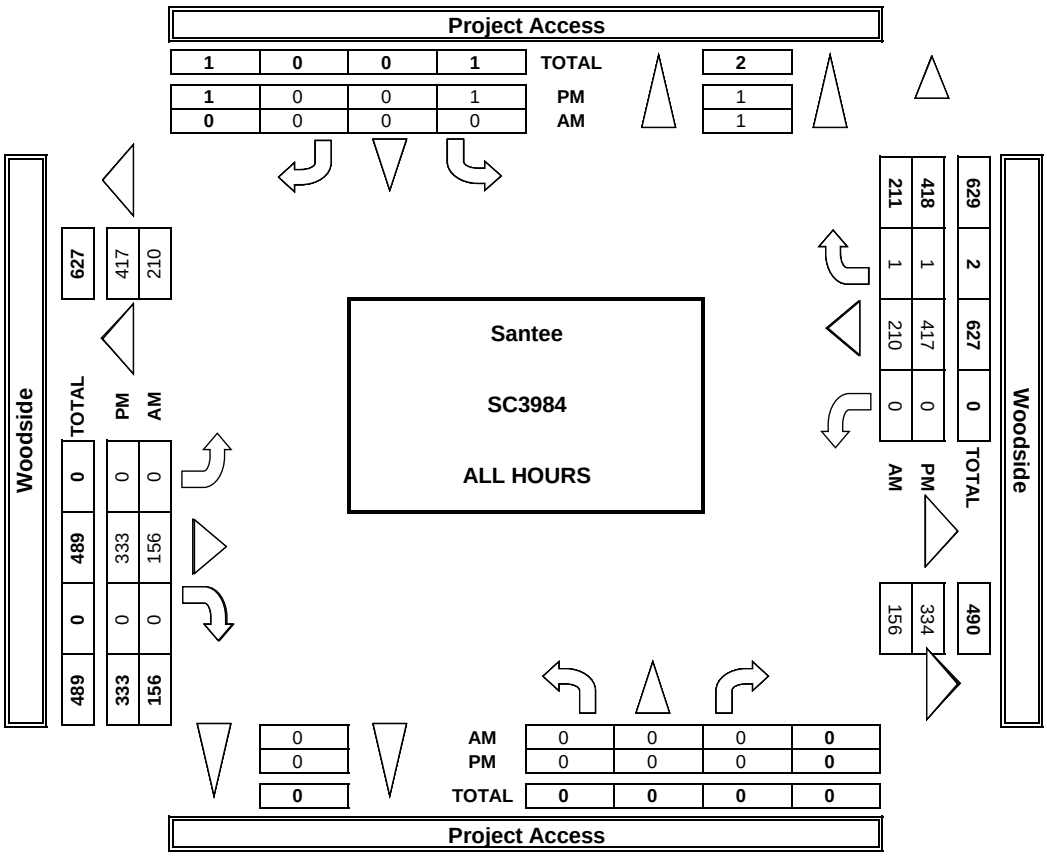
▲ N
◄ W
E ►
S ▼

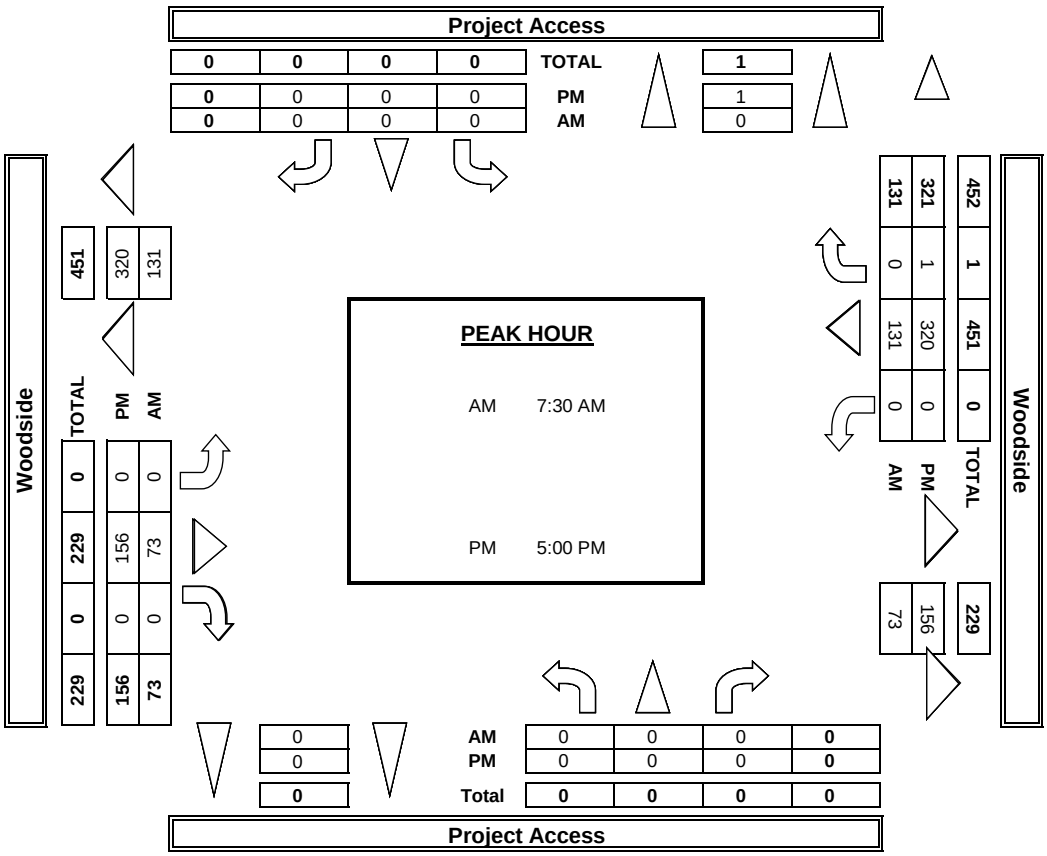
		NORTHBOUND (Project Access)			SOUTHBOUND (Project Access)			EASTBOUND (Woodside)			WESTBOUND (Woodside)				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 0	ET 2	ER X	WL X	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	0	0	0	0	0	16	0	0	17	0	33	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	15	0	0	15	1	31	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	18	0	0	31	0	49	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	20	0	0	48	0	68	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	18	0	0	33	0	51	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	17	0	0	19	0	36	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	28	0	0	15	0	43	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	24	0	0	32	0	56	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	156	0	0	210	1	367	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	0	/	1	0	/	0	156	/	156	211	/	210	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	0	0	0	73	0	0	131	0	204					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.913			0.682		0.750					
	APP/DEPART	0	/	0	0	/	0	73	/	73	131	/	131	0					
PM	4:00 PM	0	0	0	0	0	0	0	53	0	0	22	0	75	0	0	0	0	0
	4:15 PM	0	0	0	1	0	0	0	30	0	0	28	0	59	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	44	0	0	25	0	69	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	50	0	0	22	0	72	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	71	0	0	41	0	112	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	28	0	0	123	1	152	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	26	0	0	89	0	115	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	31	0	0	67	0	98	0	0	0	0	0
	VOLUMES	0	0	0	1	0	0	0	333	0	0	417	1	752	0	0	0	0	0
	APPROACH %	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	0	/	1	1	/	0	333	/	334	418	/	417	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	0	0	156	0	0	320	1	477					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.549			0.647		0.785					
	APP/DEPART	0	/	1	0	/	0	156	/	156	321	/	320	0					

		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1	1	0	0	2	0	0	0	0	0	1	1	0	0	2
	7:15 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	2	0	0	3	0	0	0	0	0	1	2	0	0	3
PM	4:00 PM	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1
	5:30 PM	2	1	0	1	4	1	0	0	0	1	1	1	0	1	3
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	5	1	0	1	7	1	0	0	0	1	4	1	0	1	6

AimTD LLC

TURNING MOVEMENT COUNTS





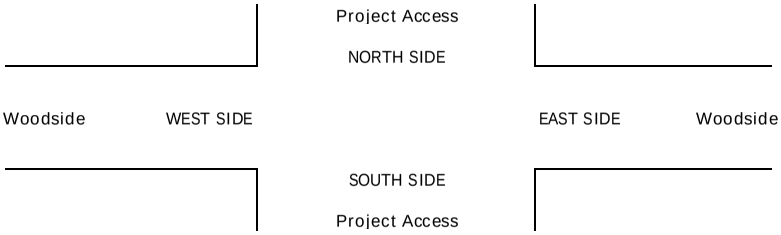
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Project Access	LOCATION #:	7
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

	NOTES:									AM		▲ N	
PCE	Class	1	2	3	4	5	6			PM			
Adjusted	Factor	1	1.5	2	3	2	2			MD	◄ W		E ►
										OTHER		S	
										OTHER		▼	

		NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND				U-TURNS				
		Project Access			Project Access			Woodside			Woodside								
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB	SB	EB	WB	TTL
		X	X	X	0	X	0	0	2	X	X	2	0						
AM	7:00 AM	0	0	0	0	0	0	0	17	0	0	18	0	35					0
	7:15 AM	0	0	0	0	0	0	0	18	0	0	18	1	37					0
	7:30 AM	0	0	0	0	0	0	0	19	0	0	37	0	56					0
	7:45 AM	0	0	0	0	0	0	0	21	0	0	51	0	72					0
	8:00 AM	0	0	0	0	0	0	0	19	0	0	36	0	55					0
	8:15 AM	0	0	0	0	0	0	0	19	0	0	23	0	41					0
	8:30 AM	0	0	0	0	0	0	0	34	0	0	17	0	51					0
	8:45 AM	0	0	0	0	0	0	0	29	0	0	33	0	62					0
	VOLUMES	0	0	0	0	0	0	0	175	0	0	233	1	408	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	0	/	1	0	/	0	175	/	175	234	/	233	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	0	0	0	78	0	0	147	0	224					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.923			0.718		0.778					
	APP/DEPART	0	/	0	0	/	0	78	/	78	147	/	147	0					
PM	4:00 PM	0	0	0	0	0	0	0	59	0	0	26	0	84					0
	4:15 PM	0	0	0	2	0	0	0	32	0	0	32	0	65					0
	4:30 PM	0	0	0	0	0	0	0	46	0	0	26	0	72					0
	4:45 PM	0	0	0	0	0	0	0	51	0	0	22	0	73					0
	5:00 PM	0	0	0	0	0	0	0	73	0	0	43	0	115					0
	5:15 PM	0	0	0	0	0	0	0	30	0	0	126	1	156					0
	5:30 PM	0	0	0	0	0	0	0	26	0	0	90	0	116					0
	5:45 PM	0	0	0	0	0	0	0	33	0	0	69	0	101					0
	VOLUMES	0	0	0	2	0	0	0	347	0	0	432	1	781	0	0	0	0	0
	APPROACH %	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	0	/	1	2	/	0	347	/	349	433	/	432	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	0	0	161	0	0	327	1	488					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.553			0.647		0.782					
	APP/DEPART	0	/	1	0	/	0	161	/	161	328	/	327	0					



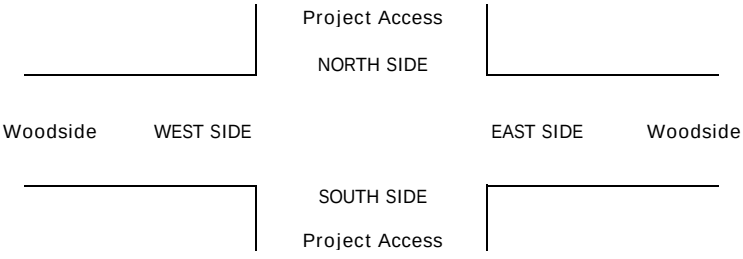
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Project Access	LOCATION #:	7
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 1:	NOTES:	AM / PM / MD / OTHER / OTHER	▲ N / ◄ W / E ► / S ▼
PASSENGER VEHICLES			

		NORTHBOUND Project Access			SOUTHBOUND Project Access			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 0	ET 2	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	15	0	0	15	0	30	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	13	0	0	11	1	25	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	16	0	0	26	0	42	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	18	0	0	45	0	63	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	16	0	0	28	0	44	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	14	0	0	12	0	26	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	21	0	0	11	0	32	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	17	0	0	30	0	47	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	130	0	0	178	1	309	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	99%	1%						
	APP/DEPART	0	/	1	0	/	0	130	/	130	179	/	178	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	0	0	0	64	0	0	111	0	175					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.889			0.617		0.694					
	APP/DEPART	0	/	0	0	/	0	64	/	64	111	/	111	0					
PM	4:00 PM	0	0	0	0	0	0	0	45	0	0	18	0	63	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	27	0	0	25	0	52	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	41	0	0	23	0	64	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	49	0	0	22	0	71	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	68	0	0	38	0	106	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	26	0	0	118	1	145	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	26	0	0	87	0	113	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	28	0	0	65	0	93	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	310	0	0	396	1	707	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	0	/	1	0	/	0	310	/	310	397	/	396	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	0	0	148	0	0	308	1	457					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.544			0.649		0.788					
	APP/DEPART	0	/	1	0	/	0	148	/	148	309	/	308	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

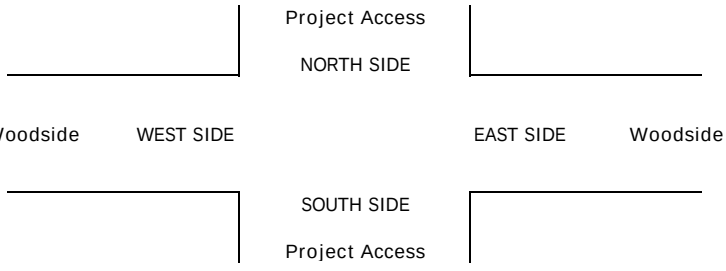
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Project Access	LOCATION #:	7
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Project Access			SOUTHBOUND Project Access			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 0	ET 2	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	1	0	0	2	0	3	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	2	0	0	2	0	4	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	2	0	0	2	0	4	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	2	0	0	4	0	6	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	3	0	0	7	0	10	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	5	0	0	4	0	9	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	6	0	0	2	0	8	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	21	0	0	25	0	46	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	0	/	0	0	/	0	21	/	21	25	/	25	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	0	0	0	9	0	0	15	0	24					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.750			0.536		0.600					
	APP/DEPART	0	/	0	0	/	0	9	/	9	15	/	15	0					
PM	4:00 PM	0	0	0	0	0	0	0	7	0	0	3	0	10	0	0	0	0	0
	4:15 PM	0	0	0	1	0	0	0	3	0	0	1	0	5	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	3	0	0	2	0	5	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	3	0	0	3	0	6	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	1	0	0	5	0	6	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	3	0	0	1	0	4	0	0	0	0	0
	VOLUMES	0	0	0	1	0	0	0	20	0	0	17	0	38	0	0	0	0	0
	APPROACH %	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	0	/	0	1	/	0	20	/	21	17	/	17	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	0	0	7	0	0	11	0	18					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.583			0.550		0.750					
	APP/DEPART	0	/	0	0	/	0	7	/	7	11	/	11	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

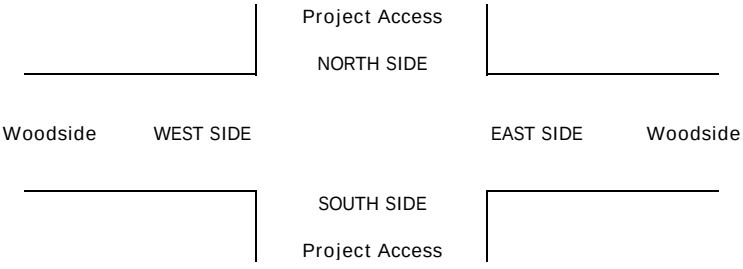
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Project Access	LOCATION #:	7
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND Project Access			SOUTHBOUND Project Access			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 0	ET 2	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM																		
7:00 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	2	0	0	4	0	6	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
APP/DEPART	0	/	0	0	/	0	2	/	2	4	/	4	0					
BEGIN PEAK HR		7:30 AM																
VOLUMES	0	0	0	0	0	0	0	0	0	0	2	0	2					
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
PEAK HR FACTOR		0.000			0.000			0.000			0.500		0.500					
APP/DEPART	0	/	0	0	/	0	0	/	0	2	/	2	0					
PM																		
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	1	0	0	2	0	3	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
APP/DEPART	0	/	0	0	/	0	1	/	1	2	/	2	0					
BEGIN PEAK HR		5:00 PM																
VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1					
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
PEAK HR FACTOR		0.000			0.000			0.000			0.250		0.250					
APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

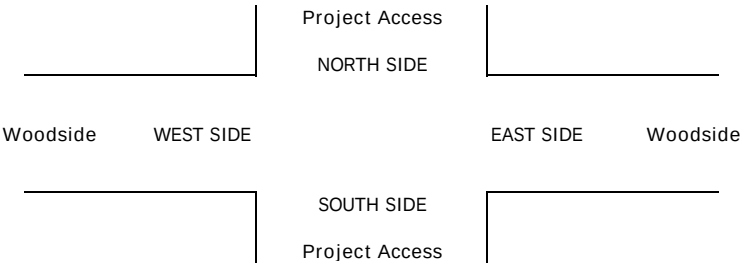
DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Project Access	LOCATION #:	7
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Project Access			SOUTHBOUND Project Access			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 0	ET 2	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	3	0	0	3	0	6	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	0	/	0	0	/	0	3	/	3	3	/	3	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	3	0	3					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.375		0.375					
	APP/DEPART	0	/	0	0	/	0	0	/	0	3	/	3	0					
PM	4:00 PM	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	1	0	0	2	0	3	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	0	/	0	0	/	0	1	/	1	2	/	2	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

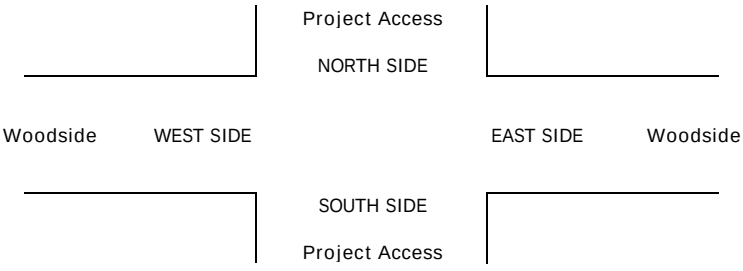
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Project Access	LOCATION #:	7
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 5:	NOTES:
RV	

AM PM MD OTHER OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Project Access			SOUTHBOUND Project Access			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 0	ET 2	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	1	/	1	0	/	0	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	0	0	1	0	0	0	0	1					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.250			0.000		0.250					
	APP/DEPART	0	/	0	0	/	0	1	/	1	0	/	0	0					



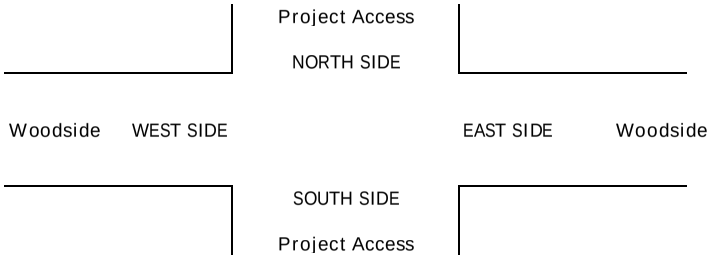
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Santee	PROJECT #:	SC3984
5/2/23	NORTH & SOUTH:	Project Access	LOCATION #:	7
TUESDAY	EAST & WEST:	Woodside	CONTROL:	STOP S

CLASS 6:	NOTES:	AM / PM / MD / OTHER / OTHER	▲ N ◄ W E ► S ▼
BUSES			

		NORTHBOUND Project Access			SOUTHBOUND Project Access			EASTBOUND Woodside			WESTBOUND Woodside				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 0	ET 2	ER X	WL X	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0					
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



Saturday, March 25, 2023 CITY: Santee PROJECT: SC3903

ADT1 Driveway north of Woodside.SA. **Prepared by AimTD LLC tel. 714 253 7888**

AM Period	IN		OUT			PM Period	IN		OUT		
0:00	0		10			12:00	6		34		
0:15	0		10			12:15	9		30		
0:30	1		7			12:30	2		22		
0:45	1	2	3	30	32	12:45	2	19	18	104	123
1:00	0		0			13:00	1		14		
1:15	0		0			13:15	2		8		
1:30	1		0			13:30	2		13		
1:45	2	3	0	0	3	13:45	4	9	10	45	54
2:00	0		0			14:00	1		5		
2:15	1		0			14:15	1		4		
2:30	1		0			14:30	0		3		
2:45	3	5	0	0	5	14:45	0	2	3	15	17
3:00	1		0			15:00	1		2		
3:15	2		0			15:15	0		1		
3:30	1		0			15:30	0		0		
3:45	3	7	0	0	7	15:45	0	1	0	3	4
4:00	16		0			16:00	0		0		
4:15	8		1			16:15	0		0		
4:30	3		1			16:30	0		0		
4:45	13	40	0	2	42	16:45	0	0	0	0	
5:00	36		0			17:00	0		0		
5:15	26		0			17:15	0		0		
5:30	29		1			17:30	1		0		
5:45	36	127	1	2	129	17:45	1	2	0	0	2
6:00	48		4			18:00	3		0		
6:15	69		5			18:15	9		1		
6:30	66		13			18:30	18		0		
6:45	51	234	19	41	275	18:45	20	50	0	1	51
7:00	78		24			19:00	26		1		
7:15	68		42			19:15	22		1		
7:30	57		42			19:30	23		0		
7:45	65	268	42	150	418	19:45	10	81	2	4	85
8:00	53		45			20:00	5		1		
8:15	50		68			20:15	4		0		
8:30	65		58			20:30	2		1		
8:45	47	215	56	227	442	20:45	0	11	1	3	14
9:00	58		56			21:00	1		0		
9:15	42		65			21:15	3		2		
9:30	35		71			21:30	4		15		
9:45	27	162	70	262	424	21:45	7	15	17	34	49
10:00	42		65			22:00	7		5		
10:15	18		55			22:15	3		51		
10:30	22		54			22:30	4		11		
10:45	16	98	56	230	328	22:45	0	14	1	68	82
11:00	11		44			23:00	1		5		
11:15	8		40			23:15	0		7		
11:30	8		39			23:30	0		3		
11:45	7	34	21	144	178	23:45	2	3	3	18	21
Total Vol.		1195		1088	2283			207		295	502

Daily Totals

IN	OUT	Combined
1402	1383	2785

	AM			PM		
Split %	52.3%	47.7%	82.0%	41.2%	58.8%	18.0%
Peak Hour	7:00	9:15	8:15	18:45	12:00	12:00
Volume	268	271	458	91	104	123
P.H.F.	0.86	0.95	0.93	0.87	0.76	0.77

cs@aimtd.com Tell. 714 253 7888

Tuesday, March 28, 2023 CITY: Santee PROJECT: SC3903

ADT1 Driveway north of Woodside.TU. **Prepared by AimTD LLC tel. 714 253 7888**

AM Period	IN		OUT			PM Period	IN		OUT		
0:00	0		5			12:00	0		0		
0:15	0		0			12:15	0		0		
0:30	0		3			12:30	0		0		
0:45	0	0	0	8	8	12:45	0	0	0	0	
1:00	0		0			13:00	1		0		
1:15	0		0			13:15	1		0		
1:30	0		0			13:30	1		2		
1:45	0	0	0	0		13:45	2	5	0	2	7
2:00	0		0			14:00	0		1		
2:15	0		0			14:15	0		1		
2:30	0		0			14:30	0		0		
2:45	0	0	0	0		14:45	0	0	0	2	2
3:00	0		0			15:00	0		0		
3:15	0		0			15:15	0		0		
3:30	0		0			15:30	1		0		
3:45	0	0	0	0		15:45	0	1	0	0	1
4:00	0		0			16:00	0		2		
4:15	0		0			16:15	0		0		
4:30	0		0			16:30	0		0		
4:45	0	0	0	0		16:45	1	1	0	2	3
5:00	0		0			17:00	0		0		
5:15	0		0			17:15	0		0		
5:30	0		0			17:30	0		1		
5:45	0	0	0	0		17:45	0	0	0	1	1
6:00	0		0			18:00	1		0		
6:15	0		0			18:15	0		0		
6:30	0		0			18:30	2		0		
6:45	0	0	0	0		18:45	3	6	0	0	6
7:00	0		0			19:00	4		0		
7:15	0		0			19:15	5		0		
7:30	0		0			19:30	9		1		
7:45	0	0	0	0		19:45	7	25	1	2	27
8:00	0		0			20:00	2		1		
8:15	0		0			20:15	0		1		
8:30	0		0			20:30	4		1		
8:45	0	0	0	0		20:45	0	6	0	3	9
9:00	0		0			21:00	0		1		
9:15	0		0			21:15	0		0		
9:30	0		0			21:30	0		5		
9:45	1	1	2	2	3	21:45	1	1	4	10	11
10:00	1		0			22:00	1		2		
10:15	0		0			22:15	2		13		
10:30	0		0			22:30	0		3		
10:45	0	1	0	0	1	22:45	0	3	0	18	21
11:00	0		0			23:00	0		0		
11:15	0		0			23:15	0		1		
11:30	0		0			23:30	0		1		
11:45	0	0	0	0		23:45	0	0	0	2	2
Total Vol.		2		10	12			48		42	90

Daily Totals

IN	OUT	Combined
50	52	102

	AM			PM		
Split %	16.7%	83.3%	11.8%	53.3%	46.7%	88.2%
Peak Hour	9:15			19:00	21:30	21:30
Volume	2	8	8	25	24	28
P.H.F.	0.50	0.40	0.40	0.75	0.46	0.47

cs@aimtd.com Tell. 714 253 7888

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023 CITY: Santee

JOB #: SC3984 LOCATION: ADT1 Driveway west of Woodside

AM TIME	EB 1	2	3	4	5	6	TOTAL	PM Time	EB 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	0	0	0	0	0	0	0
0:15	0	0	0	0	0	0	0	12:15	0	1	0	0	0	0	1
0:30	0	0	0	0	0	0	0	12:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	12:45	0	1	0	0	0	0	1
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	13:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	13:45	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	14:00	0	1	0	0	0	0	1
2:15	0	0	0	0	0	0	0	14:15	0	1	0	0	0	0	1
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0	15:30	1	0	0	0	0	0	1
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	0	1	0	0	0	0	1
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	18:15	1	0	0	0	0	0	1
6:30	0	0	0	0	0	0	0	18:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	18:45	2	0	0	0	0	0	2
7:00	0	0	0	0	0	0	0	19:00	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	19:15	1	0	0	0	0	0	1
7:30	0	0	0	0	0	0	0	19:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	19:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	20:00	0	1	0	0	0	0	1
8:15	0	0	0	0	0	0	0	20:15	1	0	0	0	0	0	1
8:30	0	0	0	0	0	0	0	20:30	0	0	0	0	0	0	0
8:45	0	0	0	0	0	0	0	20:45	2	0	0	0	0	0	2
9:00	0	0	0	0	0	0	0	21:00	0	0	0	0	0	0	0
9:15	1	0	0	0	0	0	1	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	1	0	0	0	0	0	1
9:45	0	0	0	0	0	0	0	21:45	16	0	0	0	0	0	16
10:00	0	0	0	0	0	0	0	22:00	4	0	0	0	0	0	4
10:15	0	0	0	0	0	0	0	22:15	1	0	0	0	0	0	1
10:30	2	1	0	0	0	0	3	22:30	1	0	0	0	0	0	1
10:45	0	1	0	0	0	0	1	22:45	2	0	0	0	0	0	2
11:00	0	0	0	0	0	0	0	23:00	1	0	0	0	0	0	1
11:15	1	0	0	0	0	0	1	23:15	1	0	0	0	0	0	1
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	23:45	10	1	0	0	0	0	11
TOTAL	4	2	0	0	0	0	6	TOTAL	45	7	0	0	0	0	52
				AM PEAK HOUR			10:30 AM					AM PEAK HOUR			9:45 PM
				AM PEAK VOLUME			5					AM PEAK VOLUME			22

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	49	9	0	0	0	0	58
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	84.5%	15.5%	0.0%	0.0%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	100	17	0	0	0	0	117
CLASS 6	Buses	% OF TOTAL	85.5%	14.5%	0.0%	0.0%	0.0%	0.0%	100.0%

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023
JOB #: SC3984

CITY: Santee
LOCATION: ADT1 Driveway west of Woodside

AM	WB						
TIME	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0
0:15	0	0	0	0	0	0	0
0:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0
7:15	1	0	0	0	0	0	1
7:30	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0
8:15	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0
8:45	0	0	0	0	0	0	0
9:00	1	0	0	0	0	0	1
9:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0
9:45	0	0	0	0	0	0	0
10:00	1	0	0	0	0	0	1
10:15	1	0	0	0	0	0	1
10:30	0	2	0	0	0	0	2
10:45	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0
TOTAL	4	2	0	0	0	0	6

AM PEAK HOUR	10:00 AM
AM PEAK VOLUME	4

PM	WB						
Time	1	2	3	4	5	6	TOTAL
12:00	0	0	0	0	0	0	0
12:15	0	1	0	0	0	0	1
12:30	0	0	0	0	0	0	0
12:45	0	1	0	0	0	0	1
13:00	0	0	0	0	0	0	0
13:15	0	1	0	0	0	0	1
13:30	1	0	0	0	0	0	1
13:45	0	0	0	0	0	0	0
14:00	0	1	0	0	0	0	1
14:15	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0
15:00	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0
15:30	0	1	0	0	0	0	1
15:45	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0
17:15	1	0	0	0	0	0	1
17:30	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0
18:00	1	0	0	0	0	0	1
18:15	1	0	0	0	0	0	1
18:30	1	0	0	0	0	0	1
18:45	2	0	0	0	0	0	2
19:00	4	0	0	0	0	0	4
19:15	3	0	0	0	0	0	3
19:30	8	0	0	0	0	0	8
19:45	8	0	0	0	0	0	8
20:00	5	1	0	0	0	0	6
20:15	3	0	0	0	0	0	3
20:30	2	0	0	0	0	0	2
20:45	1	0	0	0	0	0	1
21:00	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0
21:30	2	0	0	0	0	0	2
21:45	2	0	0	0	0	0	2
22:00	1	0	0	0	0	0	1
22:15	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0
22:45	1	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0
TOTAL	47	6	0	0	0	0	53

AM PEAK HOUR	7:30 PM
AM PEAK VOLUME	25

TOTAL: AM+PM		51	8	0	0	0	0	59
% OF TOTAL		86.4%	13.6%	0.0%	0.0%	0.0%	0.0%	100.0%

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023 CITY: Santee

JOB #: SC3984 LOCATION: ADT1 Driveway west of Woodside

AM TIME	COMBINED 1	2	3	4	5	6	TOTAL	PM Time	COMBINED 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	0	0	0	0	0	0	0
0:15	0	0	0	0	0	0	0	12:15	0	2	0	0	0	0	2
0:30	0	0	0	0	0	0	0	12:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	12:45	0	2	0	0	0	0	2
1:00	0	0	0	0	0	0	0	13:00	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	13:15	0	1	0	0	0	0	1
1:30	0	0	0	0	0	0	0	13:30	1	0	0	0	0	0	1
1:45	0	0	0	0	0	0	0	13:45	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	14:00	0	2	0	0	0	0	2
2:15	0	0	0	0	0	0	0	14:15	0	1	0	0	0	0	1
2:30	0	0	0	0	0	0	0	14:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	14:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	15:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	15:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0	15:30	1	1	0	0	0	0	2
3:45	0	0	0	0	0	0	0	15:45	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	16:00	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	16:15	0	1	0	0	0	0	1
4:30	0	0	0	0	0	0	0	16:30	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	16:45	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	17:00	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	17:15	1	0	0	0	0	0	1
5:30	0	0	0	0	0	0	0	17:30	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	17:45	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	18:00	1	0	0	0	0	0	1
6:15	0	0	0	0	0	0	0	18:15	2	0	0	0	0	0	2
6:30	0	0	0	0	0	0	0	18:30	1	0	0	0	0	0	1
6:45	0	0	0	0	0	0	0	18:45	4	0	0	0	0	0	4
7:00	0	0	0	0	0	0	0	19:00	4	0	0	0	0	0	4
7:15	1	0	0	0	0	0	1	19:15	4	0	0	0	0	0	4
7:30	0	0	0	0	0	0	0	19:30	8	0	0	0	0	0	8
7:45	0	0	0	0	0	0	0	19:45	8	0	0	0	0	0	8
8:00	0	0	0	0	0	0	0	20:00	5	2	0	0	0	0	7
8:15	0	0	0	0	0	0	0	20:15	4	0	0	0	0	0	4
8:30	0	0	0	0	0	0	0	20:30	2	0	0	0	0	0	2
8:45	0	0	0	0	0	0	0	20:45	3	0	0	0	0	0	3
9:00	1	0	0	0	0	0	1	21:00	0	0	0	0	0	0	0
9:15	1	0	0	0	0	0	1	21:15	0	0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	21:30	3	0	0	0	0	0	3
9:45	0	0	0	0	0	0	0	21:45	18	0	0	0	0	0	18
10:00	1	0	0	0	0	0	1	22:00	5	0	0	0	0	0	5
10:15	1	0	0	0	0	0	1	22:15	1	0	0	0	0	0	1
10:30	2	3	0	0	0	0	5	22:30	1	0	0	0	0	0	1
10:45	0	1	0	0	0	0	1	22:45	3	0	0	0	0	0	3
11:00	0	0	0	0	0	0	0	23:00	1	0	0	0	0	0	1
11:15	1	0	0	0	0	0	1	23:15	1	0	0	0	0	0	1
11:30	0	0	0	0	0	0	0	23:30	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	23:45	10	1	0	0	0	0	11
TOTAL	8	4	0	0	0	0	12	TOTAL	92	13	0	0	0	0	105

AM PEAK HOUR	10:00 AM
AM PEAK VOLUME	8

AM PEAK HOUR	9:30 PM
AM PEAK VOLUME	27

TOTAL: AM+PM		100	17	0	0	0	0	117
% OF TOTAL		85.5%	14.5%	0.0%	0.0%	0.0%	0.0%	100.0%
CLASS 1	PASSENGER VEHICLES							
CLASS 2	2-AXLE TRUCKS							
CLASS 3	3-AXLE TRUCKS							
CLASS 4	4 OR MORE AXLE TRUCKS							
CLASS 5	RV							
CLASS 6	Buses							

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023 CITY: Santee

JOB #: SC3984 LOCATION: ADT2 Wheatlands north of Woodside

AM TIME	NB 1	2	3	4	5	6	TOTAL	PM Time	NB 1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0	12:00	9	2	0	1	0	0	12
0:15	0	0	0	0	0	0	0	12:15	12	3	0	0	0	0	15
0:30	0	0	0	0	0	0	0	12:30	7	0	0	1	1	0	9
0:45	0	0	0	0	0	0	0	12:45	10	4	2	0	1	0	17
1:00	0	0	0	0	0	0	0	13:00	12	2	1	1	0	0	16
1:15	0	0	0	0	0	0	0	13:15	7	0	1	0	0	0	8
1:30	0	0	0	0	0	0	0	13:30	8	6	0	0	0	0	14
1:45	0	0	0	0	0	0	0	13:45	19	2	1	0	0	0	22
2:00	0	0	0	0	0	0	0	14:00	9	6	0	0	0	0	15
2:15	0	0	0	0	0	0	0	14:15	4	4	0	1	0	0	9
2:30	1	1	0	0	0	0	2	14:30	8	5	0	1	0	0	14
2:45	0	0	0	0	0	0	0	14:45	15	3	0	0	0	0	18
3:00	0	0	0	0	0	0	0	15:00	8	5	0	0	0	0	13
3:15	0	0	0	0	0	0	0	15:15	7	0	1	0	0	0	8
3:30	0	0	0	0	0	0	0	15:30	15	3	0	0	0	0	18
3:45	1	0	0	0	0	0	1	15:45	14	2	1	0	0	0	17
4:00	1	0	0	0	0	0	1	16:00	8	1	1	0	0	0	10
4:15	2	0	0	0	0	0	2	16:15	2	0	1	0	0	0	3
4:30	2	0	0	0	0	0	2	16:30	9	3	0	0	0	0	12
4:45	7	2	0	0	0	0	9	16:45	13	1	0	1	0	0	15
5:00	10	0	0	0	0	0	10	17:00	10	0	0	0	0	0	10
5:15	8	1	0	0	0	0	9	17:15	7	1	0	0	0	0	8
5:30	13	1	0	1	0	0	15	17:30	15	1	0	0	0	0	16
5:45	20	2	0	0	0	0	22	17:45	8	2	0	0	0	0	10
6:00	14	2	0	0	0	0	16	18:00	5	0	0	0	0	0	5
6:15	10	1	0	0	0	0	11	18:15	2	3	0	0	0	0	5
6:30	10	1	0	0	0	0	11	18:30	8	1	0	0	0	0	9
6:45	40	3	0	0	0	0	43	18:45	3	1	0	0	0	0	4
7:00	14	0	0	0	0	0	14	19:00	3	1	0	0	0	0	4
7:15	18	1	1	0	0	0	20	19:15	1	1	0	0	0	0	2
7:30	18	0	2	2	0	0	22	19:30	3	0	0	0	0	0	3
7:45	35	1	0	1	0	0	37	19:45	0	0	0	0	0	0	0
8:00	15	3	0	0	0	0	18	20:00	2	0	0	0	0	0	2
8:15	10	6	0	0	0	0	16	20:15	2	1	0	0	0	0	3
8:30	12	2	0	3	0	0	17	20:30	1	0	0	0	0	0	1
8:45	18	3	1	3	0	0	25	20:45	0	0	0	0	0	0	0
9:00	11	3	0	0	0	0	14	21:00	0	0	0	0	0	0	0
9:15	10	1	0	0	0	0	11	21:15	1	0	0	0	0	0	1
9:30	13	2	0	0	0	0	15	21:30	1	0	0	0	0	0	1
9:45	12	2	0	0	0	0	14	21:45	0	0	0	0	0	0	0
10:00	7	3	2	1	0	0	13	22:00	2	0	0	0	0	0	2
10:15	8	5	0	1	0	0	14	22:15	0	0	0	0	0	0	0
10:30	4	5	0	1	0	0	10	22:30	0	1	0	0	0	0	1
10:45	6	4	0	1	0	0	11	22:45	1	0	0	0	0	0	1
11:00	9	0	0	0	0	0	9	23:00	0	0	0	0	0	0	0
11:15	7	7	2	0	0	0	16	23:15	0	0	0	0	0	0	0
11:30	13	5	0	0	0	0	18	23:30	1	0	0	0	0	0	1
11:45	12	4	1	1	0	0	18	23:45	0	0	0	0	0	0	0
TOTAL	391	71	9	15	0	0	486	TOTAL	272	65	9	6	2	0	354
				AM PEAK HOUR			6:45 AM					AM PEAK HOUR			1:45 PM
				AM PEAK VOLUME			99					AM PEAK VOLUME			60

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	663	136	18	21	2	0	840
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	78.9%	16.2%	2.1%	2.5%	0.2%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	1,300	255	30	38	5	3	1,631
CLASS 6	Buses	% OF TOTAL	79.7%	15.6%	1.8%	2.3%	0.3%	0.2%	100.0%

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023
JOB #: SC3984

CITY: Santee
LOCATION: ADT2 Wheatlands north of Woodside

AM	SB						
TIME	1	2	3	4	5	6	TOTAL
0:00	1	0	0	0	0	0	1
0:15	0	0	0	0	0	0	0
0:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0
1:00	1	0	0	0	0	0	1
1:15	0	0	0	0	0	0	0
1:30	2	0	0	0	0	0	2
1:45	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0
2:45	0	1	0	0	0	0	1
3:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0
4:00	1	0	0	0	0	0	1
4:15	0	0	0	0	0	0	0
4:30	1	0	0	0	0	0	1
4:45	0	2	0	0	0	0	2
5:00	0	1	0	0	0	0	1
5:15	3	0	0	0	0	0	3
5:30	2	1	0	0	0	0	3
5:45	1	0	0	0	0	0	1
6:00	2	1	0	0	0	0	3
6:15	2	4	0	0	0	0	6
6:30	5	3	0	0	0	0	8
6:45	4	0	0	0	0	0	4
7:00	1	0	1	0	0	0	2
7:15	1	3	0	0	0	1	5
7:30	2	2	1	0	0	0	5
7:45	2	0	0	2	0	0	4
8:00	5	4	0	0	0	0	9
8:15	2	5	0	0	0	0	7
8:30	2	1	1	1	0	0	5
8:45	4	3	0	1	0	0	8
9:00	13	2	0	0	0	0	15
9:15	4	2	0	0	0	0	6
9:30	9	3	0	0	0	0	12
9:45	13	4	0	0	0	0	17
10:00	12	2	0	4	0	0	18
10:15	4	5	1	2	0	0	12
10:30	6	6	0	0	0	0	12
10:45	3	2	1	0	0	0	6
11:00	14	1	0	0	0	0	15
11:15	8	0	0	0	0	0	8
11:30	11	3	0	0	0	0	14
11:45	10	3	1	0	0	0	14
TOTAL	151	64	6	10	0	1	232

AM PEAK HOUR	9:45 AM
AM PEAK VOLUME	59

PM	SB						
Time	1	2	3	4	5	6	TOTAL
12:00	8	1	0	0	0	0	9
12:15	5	0	0	1	0	0	6
12:30	6	1	0	0	0	0	7
12:45	6	4	1	0	0	0	11
13:00	13	1	0	0	1	0	15
13:15	9	5	2	0	0	0	16
13:30	11	3	0	0	0	0	14
13:45	12	1	0	0	0	1	14
14:00	8	1	0	1	0	0	10
14:15	12	5	0	0	0	1	18
14:30	21	4	0	1	0	0	26
14:45	13	2	1	0	0	0	16
15:00	19	3	0	0	0	0	22
15:15	8	4	1	0	1	0	14
15:30	35	2	0	0	0	0	37
15:45	11	2	1	0	0	0	14
16:00	28	2	0	2	0	0	32
16:15	16	1	0	0	0	0	17
16:30	20	1	0	0	0	0	21
16:45	24	0	0	0	0	0	24
17:00	50	3	0	0	0	0	53
17:15	13	1	0	0	0	0	14
17:30	18	0	0	1	0	0	19
17:45	13	1	0	0	0	0	14
18:00	13	0	0	0	0	0	13
18:15	13	1	0	0	0	0	14
18:30	9	3	0	1	0	0	13
18:45	6	2	0	0	0	0	8
19:00	15	0	0	0	0	0	15
19:15	13	1	0	0	0	0	14
19:30	8	0	0	0	0	0	8
19:45	8	0	0	0	0	0	8
20:00	3	0	0	0	1	0	4
20:15	6	0	0	0	0	0	6
20:30	2	0	0	0	0	0	2
20:45	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0
21:15	4	0	0	0	0	0	4
21:30	3	0	0	0	0	0	3
21:45	1	0	0	0	0	0	1
22:00	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0
22:30	1	0	0	0	0	0	1
22:45	0	0	0	0	0	0	0
23:00	1	0	0	0	0	0	1
23:15	1	0	0	0	0	0	1
23:30	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0
TOTAL	486	55	6	7	3	2	559

AM PEAK HOUR	4:15 PM
AM PEAK VOLUME	115

TOTAL: AM+PM		637	119	12	17	3	3	791
% OF TOTAL		80.5%	15.0%	1.5%	2.1%	0.4%	0.4%	100.0%
CLASS 1	PASSENGER VEHICLES							
CLASS 2	2-AXLE TRUCKS							
CLASS 3	3-AXLE TRUCKS							
CLASS 4	4 OR MORE AXLE TRUCKS							
CLASS 5	RV							
CLASS 6	BUS							

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023 CITY: Santee

JOB #: SC3984 LOCATION: ADT2 Wheatlands north of Woodside

AM TIME	COMBINED 1	2	3	4	5	6	TOTAL	PM Time	COMBINED 1	2	3	4	5	6	TOTAL
0:00	1	0	0	0	0	0	1	12:00	17	3	0	1	0	0	21
0:15	0	0	0	0	0	0	0	12:15	17	3	0	1	0	0	21
0:30	0	0	0	0	0	0	0	12:30	13	1	0	1	1	0	16
0:45	0	0	0	0	0	0	0	12:45	16	8	3	0	1	0	28
1:00	1	0	0	0	0	0	1	13:00	25	3	1	1	1	0	31
1:15	0	0	0	0	0	0	0	13:15	16	5	3	0	0	0	24
1:30	2	0	0	0	0	0	2	13:30	19	9	0	0	0	0	28
1:45	0	0	0	0	0	0	0	13:45	31	3	1	0	0	1	36
2:00	0	0	0	0	0	0	0	14:00	17	7	0	1	0	0	25
2:15	0	0	0	0	0	0	0	14:15	16	9	0	1	0	1	27
2:30	1	1	0	0	0	0	2	14:30	29	9	0	2	0	0	40
2:45	0	1	0	0	0	0	1	14:45	28	5	1	0	0	0	34
3:00	0	0	0	0	0	0	0	15:00	27	8	0	0	0	0	35
3:15	0	0	0	0	0	0	0	15:15	15	4	2	0	1	0	22
3:30	0	0	0	0	0	0	0	15:30	50	5	0	0	0	0	55
3:45	1	0	0	0	0	0	1	15:45	25	4	2	0	0	0	31
4:00	2	0	0	0	0	0	2	16:00	36	3	1	2	0	0	42
4:15	2	0	0	0	0	0	2	16:15	18	1	1	0	0	0	20
4:30	3	0	0	0	0	0	3	16:30	29	4	0	0	0	0	33
4:45	7	4	0	0	0	0	11	16:45	37	1	0	1	0	0	39
5:00	10	1	0	0	0	0	11	17:00	60	3	0	0	0	0	63
5:15	11	1	0	0	0	0	12	17:15	20	2	0	0	0	0	22
5:30	15	2	0	1	0	0	18	17:30	33	1	0	1	0	0	35
5:45	21	2	0	0	0	0	23	17:45	21	3	0	0	0	0	24
6:00	16	3	0	0	0	0	19	18:00	18	0	0	0	0	0	18
6:15	12	5	0	0	0	0	17	18:15	15	4	0	0	0	0	19
6:30	15	4	0	0	0	0	19	18:30	17	4	0	1	0	0	22
6:45	44	3	0	0	0	0	47	18:45	9	3	0	0	0	0	12
7:00	15	0	1	0	0	0	16	19:00	18	1	0	0	0	0	19
7:15	19	4	1	0	0	1	25	19:15	14	2	0	0	0	0	16
7:30	20	2	3	2	0	0	27	19:30	11	0	0	0	0	0	11
7:45	37	1	0	3	0	0	41	19:45	8	0	0	0	0	0	8
8:00	20	7	0	0	0	0	27	20:00	5	0	0	0	1	0	6
8:15	12	11	0	0	0	0	23	20:15	8	1	0	0	0	0	9
8:30	14	3	1	4	0	0	22	20:30	3	0	0	0	0	0	3
8:45	22	6	1	4	0	0	33	20:45	0	0	0	0	0	0	0
9:00	24	5	0	0	0	0	29	21:00	0	0	0	0	0	0	0
9:15	14	3	0	0	0	0	17	21:15	5	0	0	0	0	0	5
9:30	22	5	0	0	0	0	27	21:30	4	0	0	0	0	0	4
9:45	25	6	0	0	0	0	31	21:45	1	0	0	0	0	0	1
10:00	19	5	2	5	0	0	31	22:00	2	0	0	0	0	0	2
10:15	12	10	1	3	0	0	26	22:15	0	0	0	0	0	0	0
10:30	10	11	0	1	0	0	22	22:30	1	1	0	0	0	0	2
10:45	9	6	1	1	0	0	17	22:45	1	0	0	0	0	0	1
11:00	23	1	0	0	0	0	24	23:00	1	0	0	0	0	0	1
11:15	15	7	2	0	0	0	24	23:15	1	0	0	0	0	0	1
11:30	24	8	0	0	0	0	32	23:30	1	0	0	0	0	0	1
11:45	22	7	2	1	0	0	32	23:45	0	0	0	0	0	0	0
TOTAL	542	135	15	25	0	1	718	TOTAL	758	120	15	13	5	2	913

AM PEAK HOUR	7:15 AM
AM PEAK VOLUME	120

PM PEAK HOUR	4:45 PM
AM PEAK VOLUME	159

TOTAL: AM+PM	1,300	255	30	38	5	3	1,631
% OF TOTAL	79.7%	15.6%	1.8%	2.3%	0.3%	0.2%	100.0%

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023 CITY: Santee

JOB #: SC3984 LOCATION: ADT3 Woodside west of Wheatlands

AM TIME	EB 1	2	3	4	5	6	TOTAL	PM Time	EB 1	2	3	4	5	6	TOTAL
0:00	2	0	0	0	0	0	2	12:00	26	6	1	1	0	0	34
0:15	0	0	0	0	0	0	0	12:15	31	7	1	0	0	0	39
0:30	0	0	0	0	0	0	0	12:30	22	2	1	1	0	0	26
0:45	0	0	0	0	0	0	0	12:45	27	5	2	0	0	0	34
1:00	0	0	0	0	0	0	0	13:00	27	3	2	1	0	0	33
1:15	0	0	0	0	0	0	0	13:15	33	6	0	0	1	0	40
1:30	0	0	0	0	0	0	0	13:30	39	9	1	0	1	0	50
1:45	0	0	0	0	0	0	0	13:45	37	4	1	0	0	0	42
2:00	1	0	0	0	0	0	1	14:00	25	10	0	1	0	0	36
2:15	0	0	0	0	0	0	0	14:15	22	4	2	1	1	0	30
2:30	2	0	0	0	0	0	2	14:30	26	5	0	0	0	0	31
2:45	1	0	0	0	0	0	1	14:45	25	4	1	0	0	0	30
3:00	1	0	0	0	0	0	1	15:00	35	7	1	0	0	0	43
3:15	0	0	0	0	0	0	0	15:15	31	5	0	1	0	0	37
3:30	0	0	0	0	0	0	0	15:30	39	6	0	0	0	0	45
3:45	5	0	0	0	0	0	5	15:45	38	7	2	0	0	0	47
4:00	6	0	0	0	0	0	6	16:00	44	3	1	0	0	0	48
4:15	3	0	0	0	0	0	3	16:15	24	3	1	0	0	0	28
4:30	4	1	0	0	0	0	5	16:30	37	5	0	0	0	0	42
4:45	31	2	0	0	0	0	33	16:45	42	3	0	1	0	0	46
5:00	11	1	0	0	0	0	12	17:00	45	0	0	1	0	0	46
5:15	23	1	0	0	0	0	24	17:15	26	1	0	0	0	0	27
5:30	25	1	0	1	0	0	27	17:30	28	1	0	0	0	0	29
5:45	30	0	0	0	0	0	30	17:45	28	3	1	0	0	0	32
6:00	21	2	0	0	0	0	23	18:00	17	1	0	1	0	0	19
6:15	14	2	0	1	0	0	17	18:15	14	2	0	0	0	0	16
6:30	19	1	0	0	0	0	20	18:30	20	1	0	0	0	0	21
6:45	40	5	0	0	0	0	45	18:45	8	1	1	0	0	0	10
7:00	25	0	0	0	0	0	25	19:00	15	1	0	0	0	0	16
7:15	25	4	0	1	0	0	30	19:15	19	1	0	0	0	0	20
7:30	25	2	1	0	0	0	28	19:30	25	0	0	0	0	0	25
7:45	34	2	0	1	0	0	37	19:45	16	0	0	0	0	0	16
8:00	22	3	0	0	0	0	25	20:00	15	0	0	0	0	0	15
8:15	18	6	0	0	0	0	24	20:15	9	1	0	0	0	0	10
8:30	29	5	0	4	0	0	38	20:30	11	0	0	0	0	0	11
8:45	26	6	2	4	0	0	38	20:45	8	0	0	0	0	0	8
9:00	25	4	0	0	0	0	29	21:00	6	0	0	0	0	0	6
9:15	30	4	0	0	0	0	34	21:15	6	0	0	0	0	0	6
9:30	27	3	0	0	0	0	30	21:30	11	0	0	0	0	0	11
9:45	22	4	0	0	0	0	26	21:45	4	0	0	0	0	0	4
10:00	21	2	3	2	0	0	28	22:00	6	0	0	0	0	0	6
10:15	20	4	1	2	0	0	27	22:15	3	0	0	0	0	0	3
10:30	19	5	0	1	0	0	25	22:30	2	0	0	0	0	0	2
10:45	24	2	1	2	0	0	29	22:45	1	0	0	0	0	0	1
11:00	22	1	0	1	0	0	24	23:00	2	0	0	0	0	0	2
11:15	23	7	2	1	0	0	33	23:15	0	0	0	0	0	0	0
11:30	34	5	1	0	0	0	40	23:30	1	0	0	0	0	0	1
11:45	30	5	0	0	0	0	35	23:45	0	0	0	0	0	0	0
TOTAL	740	90	11	21	0	0	862	TOTAL	976	117	19	9	3	0	1,124

AM PEAK HOUR	8:30 AM	AM PEAK HOUR	3:15 PM
AM PEAK VOLUME	139	AM PEAK VOLUME	177

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	1,716	207	30	30	3	0	1,986
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	86.4%	10.4%	1.5%	1.5%	0.2%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	3,182	429	53	51	7	3	3,725
CLASS 6	Buses	% OF TOTAL	85.4%	11.5%	1.4%	1.4%	0.2%	0.1%	100.0%

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023
JOB #: SC3984

CITY: Santee
LOCATION: ADT3 Woodside west of Wheatlands

AM	WB						
TIME	1	2	3	4	5	6	TOTAL
0:00	0	0	0	0	0	0	0
0:15	1	0	0	0	0	0	1
0:30	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0
1:00	1	0	0	0	0	0	1
1:15	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0
1:45	2	0	0	0	0	0	2
2:00	2	0	0	0	0	0	2
2:15	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0
3:30	0	0	0	0	0	0	0
3:45	0	0	0	0	0	0	0
4:00	2	0	0	0	0	0	2
4:15	0	1	0	0	0	0	1
4:30	2	0	0	0	0	0	2
4:45	3	4	0	0	0	0	7
5:00	1	2	0	0	0	0	3
5:15	4	1	0	0	0	0	5
5:30	4	1	0	0	0	0	5
5:45	8	2	0	0	0	0	10
6:00	11	3	0	0	0	0	14
6:15	5	9	1	0	1	0	16
6:30	10	10	0	0	0	0	20
6:45	11	2	0	0	0	0	13
7:00	10	2	0	0	0	0	12
7:15	10	4	0	0	0	1	15
7:30	16	7	1	0	0	0	24
7:45	22	3	1	2	0	0	28
8:00	23	5	1	0	0	0	29
8:15	7	8	0	0	0	0	15
8:30	11	4	0	1	0	0	16
8:45	17	8	1	1	0	0	27
9:00	26	5	0	0	0	0	31
9:15	13	7	0	0	0	0	20
9:30	27	5	0	0	0	0	32
9:45	22	4	0	0	0	0	26
10:00	20	4	0	5	0	0	29
10:15	8	6	2	2	0	0	18
10:30	15	8	0	0	0	0	23
10:45	9	6	1	0	0	0	16
11:00	32	5	0	0	0	0	37
11:15	30	1	0	0	0	0	31
11:30	23	6	1	2	0	0	32
11:45	25	5	0	1	0	0	31
TOTAL	433	138	9	14	1	1	596

AM PEAK HOUR	11:00 AM
AM PEAK VOLUME	131

PM	WB						
Time	1	2	3	4	5	6	TOTAL
12:00	25	3	0	0	0	0	28
12:15	16	0	0	1	0	0	17
12:30	9	2	0	1	0	0	12
12:45	19	5	1	0	0	0	25
13:00	23	3	1	0	1	0	28
13:15	21	5	3	0	0	0	29
13:30	42	6	0	0	0	0	48
13:45	16	5	0	0	0	1	22
14:00	22	2	0	1	0	0	25
14:15	25	7	0	0	0	1	33
14:30	57	4	1	0	0	0	62
14:45	24	2	0	0	0	0	26
15:00	22	4	1	0	1	0	28
15:15	23	6	1	0	1	0	31
15:30	51	4	0	0	0	0	55
15:45	24	3	1	0	0	0	28
16:00	35	2	0	2	0	0	39
16:15	36	2	0	0	0	0	38
16:30	30	1	1	0	0	0	32
16:45	25	0	0	0	0	0	25
17:00	56	4	0	0	0	0	60
17:15	122	4	0	0	0	0	126
17:30	86	2	1	1	0	0	90
17:45	70	4	1	0	0	0	75
18:00	16	0	0	0	0	0	16
18:15	7	1	0	0	0	0	8
18:30	8	2	1	1	0	0	12
18:45	12	1	1	0	0	0	14
19:00	19	0	0	0	0	0	19
19:15	7	0	0	0	0	0	7
19:30	12	0	0	0	0	0	12
19:45	5	0	0	0	0	0	5
20:00	9	0	0	0	0	0	9
20:15	9	0	0	0	0	0	9
20:30	4	0	0	0	0	0	4
20:45	4	0	0	0	0	0	4
21:00	3	0	0	0	0	0	3
21:15	2	0	0	0	0	0	2
21:30	5	0	0	0	0	0	5
21:45	14	0	0	0	0	0	14
22:00	4	0	0	0	0	0	4
22:15	5	0	0	0	0	0	5
22:30	3	0	0	0	0	0	3
22:45	2	0	0	0	0	0	2
23:00	1	0	0	0	0	0	1
23:15	2	0	0	0	0	0	2
23:30	1	0	0	0	0	0	1
23:45	0	0	0	0	0	0	0
TOTAL	1,033	84	14	7	3	2	1,143

AM PEAK HOUR	5:00 PM
AM PEAK VOLUME	351

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

TOTAL: AM+PM	1,466	222	23	21	4	3	1,739
% OF TOTAL	84.3%	12.8%	1.3%	1.2%	0.2%	0.2%	100.0%

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023 CITY: Santee

JOB #: SC3984 LOCATION: ADT3 Woodside west of Wheatlands

AM TIME	COMBINED 1	2	3	4	5	6	TOTAL	PM Time	COMBINED 1	2	3	4	5	6	TOTAL
0:00	2	0	0	0	0	0	2	12:00	51	9	1	1	0	0	62
0:15	1	0	0	0	0	0	1	12:15	47	7	1	1	0	0	56
0:30	0	0	0	0	0	0	0	12:30	31	4	1	2	0	0	38
0:45	0	0	0	0	0	0	0	12:45	46	10	3	0	0	0	59
1:00	1	0	0	0	0	0	1	13:00	50	6	3	1	1	0	61
1:15	0	0	0	0	0	0	0	13:15	54	11	3	0	1	0	69
1:30	0	0	0	0	0	0	0	13:30	81	15	1	0	1	0	98
1:45	2	0	0	0	0	0	2	13:45	53	9	1	0	0	1	64
2:00	3	0	0	0	0	0	3	14:00	47	12	0	2	0	0	61
2:15	0	0	0	0	0	0	0	14:15	47	11	2	1	1	1	63
2:30	2	0	0	0	0	0	2	14:30	83	9	1	0	0	0	93
2:45	1	0	0	0	0	0	1	14:45	49	6	1	0	0	0	56
3:00	1	0	0	0	0	0	1	15:00	57	11	2	0	1	0	71
3:15	0	0	0	0	0	0	0	15:15	54	11	1	1	1	0	68
3:30	0	0	0	0	0	0	0	15:30	90	10	0	0	0	0	100
3:45	5	0	0	0	0	0	5	15:45	62	10	3	0	0	0	75
4:00	8	0	0	0	0	0	8	16:00	79	5	1	2	0	0	87
4:15	3	1	0	0	0	0	4	16:15	60	5	1	0	0	0	66
4:30	6	1	0	0	0	0	7	16:30	67	6	1	0	0	0	74
4:45	34	6	0	0	0	0	40	16:45	67	3	0	1	0	0	71
5:00	12	3	0	0	0	0	15	17:00	101	4	0	1	0	0	106
5:15	27	2	0	0	0	0	29	17:15	148	5	0	0	0	0	153
5:30	29	2	0	1	0	0	32	17:30	114	3	1	1	0	0	119
5:45	38	2	0	0	0	0	40	17:45	98	7	2	0	0	0	107
6:00	32	5	0	0	0	0	37	18:00	33	1	0	1	0	0	35
6:15	19	11	1	1	1	0	33	18:15	21	3	0	0	0	0	24
6:30	29	11	0	0	0	0	40	18:30	28	3	1	1	0	0	33
6:45	51	7	0	0	0	0	58	18:45	20	2	2	0	0	0	24
7:00	35	2	0	0	0	0	37	19:00	34	1	0	0	0	0	35
7:15	35	8	0	1	0	1	45	19:15	26	1	0	0	0	0	27
7:30	41	9	2	0	0	0	52	19:30	37	0	0	0	0	0	37
7:45	56	5	1	3	0	0	65	19:45	21	0	0	0	0	0	21
8:00	45	8	1	0	0	0	54	20:00	24	0	0	0	0	0	24
8:15	25	14	0	0	0	0	39	20:15	18	1	0	0	0	0	19
8:30	40	9	0	5	0	0	54	20:30	15	0	0	0	0	0	15
8:45	43	14	3	5	0	0	65	20:45	12	0	0	0	0	0	12
9:00	51	9	0	0	0	0	60	21:00	9	0	0	0	0	0	9
9:15	43	11	0	0	0	0	54	21:15	8	0	0	0	0	0	8
9:30	54	8	0	0	0	0	62	21:30	16	0	0	0	0	0	16
9:45	44	8	0	0	0	0	52	21:45	18	0	0	0	0	0	18
10:00	41	6	3	7	0	0	57	22:00	10	0	0	0	0	0	10
10:15	28	10	3	4	0	0	45	22:15	8	0	0	0	0	0	8
10:30	34	13	0	1	0	0	48	22:30	5	0	0	0	0	0	5
10:45	33	8	2	2	0	0	45	22:45	3	0	0	0	0	0	3
11:00	54	6	0	1	0	0	61	23:00	3	0	0	0	0	0	3
11:15	53	8	2	1	0	0	64	23:15	2	0	0	0	0	0	2
11:30	57	11	2	2	0	0	72	23:30	2	0	0	0	0	0	2
11:45	55	10	0	1	0	0	66	23:45	0	0	0	0	0	0	0
TOTAL	1,173	228	20	35	1	1	1,458	TOTAL	2,009	201	33	16	6	2	2,267

AM PEAK HOUR	11:00 AM
AM PEAK VOLUME	263

AM PEAK HOUR	5:00 PM
AM PEAK VOLUME	485

TOTAL: AM+PM	3,182	429	53	51	7	3	3,725
% OF TOTAL	85.4%	11.5%	1.4%	1.4%	0.2%	0.1%	100.0%

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023 **CITY:** Santee

JOB #: SC3984 **LOCATION:** ADT4 Woodside East of Magnolia

AM TIME	COMBINED 1	2	3	4	5	6	TOTAL	PM Time	COMBINED 1	2	3	4	5	6	TOTAL
0:00	33	0	0	0	0	0	33	12:00	432	32	4	4	1	0	473
0:15	17	1	0	0	0	0	18	12:15	401	24	2	5	3	0	435
0:30	17	0	0	0	0	0	17	12:30	396	29	3	3	0	1	432
0:45	17	2	0	0	0	0	19	12:45	424	27	2	0	0	1	454
1:00	16	1	0	0	0	0	17	13:00	390	33	3	5	0	0	431
1:15	14	0	0	0	0	0	14	13:15	419	26	4	5	0	0	454
1:30	11	0	0	0	0	0	11	13:30	412	31	5	4	0	0	452
1:45	3	0	0	0	0	0	3	13:45	446	29	3	3	0	3	484
2:00	9	0	0	0	0	0	9	14:00	429	36	1	2	0	2	470
2:15	9	0	0	0	0	0	9	14:15	407	31	6	5	1	5	455
2:30	7	0	0	0	0	0	7	14:30	497	30	4	3	0	1	535
2:45	13	0	0	0	0	0	13	14:45	488	30	3	5	0	2	528
3:00	9	0	0	0	0	0	9	15:00	508	22	3	6	0	2	541
3:15	11	2	0	0	0	0	13	15:15	554	33	4	4	1	2	598
3:30	10	1	0	0	0	0	11	15:30	606	27	4	2	0	1	640
3:45	28	1	0	0	0	0	29	15:45	573	20	4	2	0	2	601
4:00	28	0	0	1	0	0	29	16:00	572	34	1	5	0	0	612
4:15	30	2	0	5	0	0	37	16:15	521	20	2	5	0	0	548
4:30	56	1	0	0	0	0	57	16:30	539	25	2	1	0	0	567
4:45	103	5	0	2	0	0	110	16:45	500	11	2	2	0	0	515
5:00	87	8	0	1	0	0	96	17:00	616	15	1	0	0	0	632
5:15	112	9	0	2	0	0	123	17:15	590	20	1	2	0	0	613
5:30	136	7	0	3	0	0	146	17:30	540	15	0	5	0	0	560
5:45	171	11	1	4	0	0	187	17:45	533	15	3	2	0	0	553
6:00	164	20	0	1	0	0	185	18:00	422	6	1	0	0	0	429
6:15	181	33	2	4	0	0	220	18:15	383	9	0	2	0	0	394
6:30	217	45	2	1	1	0	266	18:30	381	6	0	0	0	0	387
6:45	298	36	5	1	0	0	340	18:45	378	5	0	2	0	0	385
7:00	280	26	3	3	1	2	315	19:00	333	9	0	0	0	0	342
7:15	370	31	3	2	0	6	412	19:15	298	8	1	0	0	0	307
7:30	403	42	2	4	0	1	452	19:30	268	9	1	0	0	0	278
7:45	464	32	2	1	0	2	501	19:45	258	6	0	1	0	0	265
8:00	427	36	4	3	0	2	472	20:00	259	4	0	0	0	0	263
8:15	370	35	2	7	0	0	414	20:15	218	5	0	0	0	0	223
8:30	338	35	1	3	0	0	377	20:30	218	4	0	0	0	0	222
8:45	355	28	2	2	0	3	390	20:45	171	5	0	0	0	0	176
9:00	334	32	4	4	1	1	376	21:00	169	1	1	1	0	0	172
9:15	286	31	2	3	0	0	322	21:15	150	3	1	0	0	0	154
9:30	309	29	3	7	1	0	349	21:30	123	1	0	1	0	0	125
9:45	289	31	0	4	0	0	324	21:45	130	0	0	1	0	0	131
10:00	341	33	2	3	4	0	383	22:00	99	0	0	0	0	0	99
10:15	292	26	3	5	0	0	326	22:15	67	0	0	0	0	0	67
10:30	308	32	1	4	1	0	346	22:30	53	1	0	0	0	0	54
10:45	356	34	4	5	0	2	401	22:45	56	1	0	0	0	0	57
11:00	375	27	4	2	0	1	409	23:00	60	0	0	0	0	0	60
11:15	372	27	6	6	0	0	411	23:15	39	0	0	0	0	0	39
11:30	409	30	3	5	1	0	448	23:30	51	0	0	0	0	0	51
11:45	352	22	3	1	0	0	378	23:45	37	0	0	0	0	0	37
TOTAL	8,837	804	64	99	10	20	9,834	TOTAL	16,414	698	72	88	6	22	17,300

AM PEAK HOUR	7:30 AM
AM PEAK VOLUME	1,839

PM PEAK HOUR	3:15 PM
PM PEAK VOLUME	2,451

TOTAL: AM+PM	25,251	1,502	136	187	16	42	27,134
% OF TOTAL	93.1%	5.5%	0.5%	0.7%	0.1%	0.2%	100.0%

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	Buses

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023 CITY: Santee

JOB #: SC3984 LOCATION: ADT5 Magnolia south of Woodside

AM TIME	NB 1	2	3	4	5	6	TOTAL	PM Time	NB 1	2	3	4	5	6	TOTAL
0:00	19	0	0	0	0	0	19	12:00	205	14	2	2	0	1	224
0:15	16	0	0	0	0	0	16	12:15	202	16	3	4	1	1	227
0:30	13	0	0	0	0	0	13	12:30	208	11	2	1	0	1	223
0:45	13	0	0	0	0	0	13	12:45	197	11	0	0	1	0	209
1:00	12	0	0	0	0	0	12	13:00	210	16	1	0	0	2	229
1:15	12	0	0	0	0	0	12	13:15	235	20	1	1	0	1	258
1:30	9	0	0	0	0	0	9	13:30	204	13	1	1	0	1	220
1:45	10	0	0	0	0	0	10	13:45	237	18	1	2	0	2	260
2:00	8	1	0	0	0	0	9	14:00	228	17	1	2	0	0	248
2:15	9	0	0	0	0	0	9	14:15	264	15	2	2	0	2	285
2:30	9	0	0	1	0	0	10	14:30	243	21	1	1	0	2	268
2:45	11	0	0	0	0	0	11	14:45	276	24	1	2	0	0	303
3:00	5	0	0	0	0	0	5	15:00	297	14	2	4	0	1	318
3:15	8	0	0	0	0	0	8	15:15	317	20	3	4	0	3	347
3:30	8	1	0	0	0	0	9	15:30	360	12	0	1	0	1	374
3:45	11	1	0	0	0	0	12	15:45	312	13	1	2	0	0	328
4:00	14	0	0	1	0	0	15	16:00	328	17	1	2	0	0	348
4:15	20	0	0	3	0	0	23	16:15	321	12	0	3	0	2	338
4:30	29	1	0	1	0	0	31	16:30	337	10	4	0	0	0	351
4:45	63	4	0	0	0	0	67	16:45	344	7	1	1	0	3	356
5:00	51	3	0	1	0	0	55	17:00	317	5	1	1	0	0	324
5:15	82	4	0	1	0	0	87	17:15	338	10	0	2	0	0	350
5:30	96	3	0	3	0	0	102	17:30	280	4	0	2	0	1	287
5:45	135	1	1	1	0	0	138	17:45	283	13	1	2	0	1	300
6:00	83	8	0	2	0	1	94	18:00	260	5	0	1	0	0	266
6:15	102	7	1	0	0	0	110	18:15	225	6	0	0	0	2	233
6:30	123	9	0	1	0	0	133	18:30	244	4	0	0	0	0	248
6:45	196	14	3	1	0	1	215	18:45	188	4	0	1	0	0	193
7:00	184	13	1	0	0	0	198	19:00	195	3	1	0	0	0	199
7:15	217	11	4	1	0	2	235	19:15	170	6	0	1	0	0	177
7:30	228	21	1	3	0	1	254	19:30	159	6	1	1	0	1	168
7:45	282	16	0	1	0	1	300	19:45	155	3	0	0	0	0	158
8:00	256	18	4	4	0	0	282	20:00	148	1	0	0	0	0	149
8:15	298	17	1	5	0	1	322	20:15	131	1	0	0	0	0	132
8:30	189	12	1	3	0	1	206	20:30	105	1	0	0	0	0	106
8:45	223	12	0	3	0	3	241	20:45	110	0	0	0	0	0	110
9:00	205	16	0	2	0	1	224	21:00	123	1	0	0	0	0	124
9:15	199	17	1	2	0	2	221	21:15	101	0	0	0	0	0	101
9:30	168	10	2	4	1	2	187	21:30	97	0	0	1	1	0	99
9:45	183	15	0	1	0	0	199	21:45	73	1	0	0	0	0	74
10:00	157	12	1	2	0	1	173	22:00	83	0	0	0	0	0	83
10:15	158	15	3	1	0	0	177	22:15	85	0	0	0	0	0	85
10:30	180	19	1	0	0	1	201	22:30	57	1	0	0	0	0	58
10:45	182	19	4	4	0	1	210	22:45	63	0	0	0	0	0	63
11:00	161	7	2	3	0	0	173	23:00	21	0	0	0	0	0	21
11:15	182	10	3	6	0	0	201	23:15	32	0	0	0	0	0	32
11:30	197	15	3	3	1	2	221	23:30	43	1	0	0	0	0	44
11:45	208	13	0	0	0	0	221	23:45	23	0	0	0	0	0	23
TOTAL	5,224	345	37	64	2	21	5,693	TOTAL	9,434	377	32	47	3	28	9,921

AM PEAK HOUR	7:30 AM	PM PEAK HOUR	3:15 PM
AM PEAK VOLUME	1,158	AM PEAK VOLUME	1,397

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	14,658	722	69	111	5	49	15,614
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	93.9%	4.6%	0.4%	0.7%	0.0%	0.3%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	30,258	1,653	144	221	13	92	32,381
CLASS 6	Buses	% OF TOTAL	93.4%	5.1%	0.4%	0.7%	0.0%	0.3%	100.0%

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023
JOB #: SC3984

CITY: Santee
LOCATION: ADT5 Magnolia south of Woodside

AM	SB						
TIME	1	2	3	4	5	6	TOTAL
0:00	24	0	0	1	0	0	25
0:15	9	0	1	0	0	0	10
0:30	9	0	0	0	0	0	9
0:45	10	0	0	0	0	0	10
1:00	10	0	0	0	0	0	10
1:15	9	2	0	0	0	0	11
1:30	12	0	0	0	0	0	12
1:45	7	0	0	0	0	0	7
2:00	14	1	0	0	0	0	15
2:15	8	0	0	0	0	0	8
2:30	10	1	0	0	0	0	11
2:45	8	0	0	0	0	0	8
3:00	9	0	0	0	0	0	9
3:15	11	1	0	1	0	0	13
3:30	13	3	0	0	0	0	16
3:45	18	1	0	0	0	0	19
4:00	29	1	0	0	0	0	30
4:15	25	4	1	1	0	0	31
4:30	57	0	0	0	0	0	57
4:45	76	3	0	1	0	0	80
5:00	90	7	2	0	0	0	99
5:15	97	10	0	2	0	0	109
5:30	116	5	0	2	0	0	123
5:45	153	10	1	1	0	0	165
6:00	139	12	0	3	0	0	154
6:15	178	28	0	4	0	1	211
6:30	184	29	1	0	0	0	214
6:45	202	17	2	2	0	1	224
7:00	223	10	2	2	0	0	237
7:15	255	16	2	3	0	2	278
7:30	312	16	2	2	0	0	332
7:45	288	28	1	2	0	0	319
8:00	258	21	0	1	1	2	283
8:15	279	16	2	3	0	0	300
8:30	268	22	2	2	0	1	295
8:45	221	21	0	0	0	2	244
9:00	259	23	1	3	0	0	286
9:15	284	11	3	3	0	0	301
9:30	209	22	1	5	1	2	240
9:45	172	15	0	3	0	0	190
10:00	192	22	1	1	1	0	217
10:15	195	13	2	2	1	1	214
10:30	179	25	0	2	0	2	208
10:45	198	25	1	5	0	0	229
11:00	194	16	0	3	0	2	215
11:15	196	15	2	2	0	0	215
11:30	190	20	5	3	0	0	218
11:45	246	12	4	1	0	2	265
TOTAL	6,145	504	39	66	4	18	6,776

AM PEAK HOUR	7:30 AM
AM PEAK VOLUME	1,234

PM	SB						
Time	1	2	3	4	5	6	TOTAL
12:00	219	14	0	2	1	0	236
12:15	238	28	1	1	0	1	269
12:30	202	17	1	2	1	2	225
12:45	238	21	1	1	0	0	261
13:00	218	19	2	2	0	1	242
13:15	212	15	2	3	0	1	233
13:30	232	14	1	4	0	0	251
13:45	261	9	0	0	0	1	271
14:00	268	26	0	2	0	2	298
14:15	267	21	4	1	0	3	296
14:30	340	18	4	2	1	1	366
14:45	308	16	1	4	1	0	330
15:00	295	15	1	3	0	1	315
15:15	269	13	2	2	0	1	287
15:30	372	16	1	1	0	3	393
15:45	337	18	2	0	0	1	358
16:00	280	18	0	2	0	0	300
16:15	321	15	1	1	0	0	338
16:30	311	11	0	1	0	1	324
16:45	284	5	1	1	0	0	291
17:00	385	11	1	0	0	2	399
17:15	377	11	0	0	0	0	388
17:30	272	10	2	3	0	0	287
17:45	288	7	2	2	0	1	300
18:00	234	5	1	0	0	1	241
18:15	227	3	0	1	0	0	231
18:30	198	7	1	1	0	1	208
18:45	196	5	0	0	0	0	201
19:00	154	5	0	1	0	0	160
19:15	165	3	0	0	0	0	168
19:30	139	6	0	0	0	0	145
19:45	138	2	1	0	0	1	142
20:00	110	0	0	0	0	0	110
20:15	134	2	0	0	0	0	136
20:30	120	5	1	0	0	0	126
20:45	143	3	1	0	0	0	147
21:00	118	2	0	1	0	0	121
21:15	83	2	0	0	0	0	85
21:30	79	2	0	0	0	0	81
21:45	71	5	0	0	0	0	76
22:00	68	0	0	0	0	0	68
22:15	65	0	0	0	0	0	65
22:30	51	1	1	0	0	0	53
22:45	43	1	0	0	0	0	44
23:00	28	0	0	0	0	0	28
23:15	31	0	0	0	0	0	31
23:30	38	0	0	0	0	0	38
23:45	28	0	0	0	0	0	28
TOTAL	9,455	427	36	44	4	25	9,991

AM PEAK HOUR	4:30 PM
AM PEAK VOLUME	1,402

TOTAL: AM+PM		15,600	931	75	110	8	43	16,767
% OF TOTAL		93.0%	5.6%	0.4%	0.7%	0.0%	0.3%	100.0%

CLASS 1	PASSENGER VEHICLES
CLASS 2	2-AXLE TRUCKS
CLASS 3	3-AXLE TRUCKS
CLASS 4	4 OR MORE AXLE TRUCKS
CLASS 5	RV
CLASS 6	BUS

A16123

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, May 02, 2023 CITY: Santee

JOB #: SC3984 LOCATION: ADT5 Magnolia south of Woodside

AM TIME	COMBINED 1	2	3	4	5	6	TOTAL	PM Time	COMBINED 1	2	3	4	5	6	TOTAL
0:00	43	0	0	1	0	0	44	12:00	424	28	2	4	1	1	460
0:15	25	0	1	0	0	0	26	12:15	440	44	4	5	1	2	496
0:30	22	0	0	0	0	0	22	12:30	410	28	3	3	1	3	448
0:45	23	0	0	0	0	0	23	12:45	435	32	1	1	1	0	470
1:00	22	0	0	0	0	0	22	13:00	428	35	3	2	0	3	471
1:15	21	2	0	0	0	0	23	13:15	447	35	3	4	0	2	491
1:30	21	0	0	0	0	0	21	13:30	436	27	2	5	0	1	471
1:45	17	0	0	0	0	0	17	13:45	498	27	1	2	0	3	531
2:00	22	2	0	0	0	0	24	14:00	496	43	1	4	0	2	546
2:15	17	0	0	0	0	0	17	14:15	531	36	6	3	0	5	581
2:30	19	1	0	1	0	0	21	14:30	583	39	5	3	1	3	634
2:45	19	0	0	0	0	0	19	14:45	584	40	2	6	1	0	633
3:00	14	0	0	0	0	0	14	15:00	592	29	3	7	0	2	633
3:15	19	1	0	1	0	0	21	15:15	586	33	5	6	0	4	634
3:30	21	4	0	0	0	0	25	15:30	732	28	1	2	0	4	767
3:45	29	2	0	0	0	0	31	15:45	649	31	3	2	0	1	686
4:00	43	1	0	1	0	0	45	16:00	608	35	1	4	0	0	648
4:15	45	4	1	4	0	0	54	16:15	642	27	1	4	0	2	676
4:30	86	1	0	1	0	0	88	16:30	648	21	4	1	0	1	675
4:45	139	7	0	1	0	0	147	16:45	628	12	2	2	0	3	647
5:00	141	10	2	1	0	0	154	17:00	702	16	2	1	0	2	723
5:15	179	14	0	3	0	0	196	17:15	715	21	0	2	0	0	738
5:30	212	8	0	5	0	0	225	17:30	552	14	2	5	0	1	574
5:45	288	11	2	2	0	0	303	17:45	571	20	3	4	0	2	600
6:00	222	20	0	5	0	1	248	18:00	494	10	1	1	0	1	507
6:15	280	35	1	4	0	1	321	18:15	452	9	0	1	0	2	464
6:30	307	38	1	1	0	0	347	18:30	442	11	1	1	0	1	456
6:45	398	31	5	3	0	2	439	18:45	384	9	0	1	0	0	394
7:00	407	23	3	2	0	0	435	19:00	349	8	1	1	0	0	359
7:15	472	27	6	4	0	4	513	19:15	335	9	0	1	0	0	345
7:30	540	37	3	5	0	1	586	19:30	298	12	1	1	0	1	313
7:45	570	44	1	3	0	1	619	19:45	293	5	1	0	0	1	300
8:00	514	39	4	5	1	2	565	20:00	258	1	0	0	0	0	259
8:15	577	33	3	8	0	1	622	20:15	265	3	0	0	0	0	268
8:30	457	34	3	5	0	2	501	20:30	225	6	1	0	0	0	232
8:45	444	33	0	3	0	5	485	20:45	253	3	1	0	0	0	257
9:00	464	39	1	5	0	1	510	21:00	241	3	0	1	0	0	245
9:15	483	28	4	5	0	2	522	21:15	184	2	0	0	0	0	186
9:30	377	32	3	9	2	4	427	21:30	176	2	0	1	1	0	180
9:45	355	30	0	4	0	0	389	21:45	144	6	0	0	0	0	150
10:00	349	34	2	3	1	1	390	22:00	151	0	0	0	0	0	151
10:15	353	28	5	3	1	1	391	22:15	150	0	0	0	0	0	150
10:30	359	44	1	2	0	3	409	22:30	108	2	1	0	0	0	111
10:45	380	44	5	9	0	1	439	22:45	106	1	0	0	0	0	107
11:00	355	23	2	6	0	2	388	23:00	49	0	0	0	0	0	49
11:15	378	25	5	8	0	0	416	23:15	63	0	0	0	0	0	63
11:30	387	35	8	6	1	2	439	23:30	81	1	0	0	0	0	82
11:45	454	25	4	1	0	2	486	23:45	51	0	0	0	0	0	51
TOTAL	11,369	849	76	130	6	39	12,469	TOTAL	18,889	804	68	91	7	53	19,912

AM PEAK HOUR	7:30 AM
AM PEAK VOLUME	2,392

AM PEAK HOUR	4:30 PM
AM PEAK VOLUME	2,783

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	30,258	1,653	144	221	13	92	32,381
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	93.4%	5.1%	0.4%	0.7%	0.0%	0.3%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV								
CLASS 6	Buses								

Appendix D
Signal Timing Sheets

© 2017 California Department of Transportation, All Rights Reserved

2070 Controller TSCP Timing Chart

Location: RTE 52 EB @ Magnolia
System:
District: 11
Master At: 67 SB (52 WB) @ Magnolia
I/C: 52 WB On

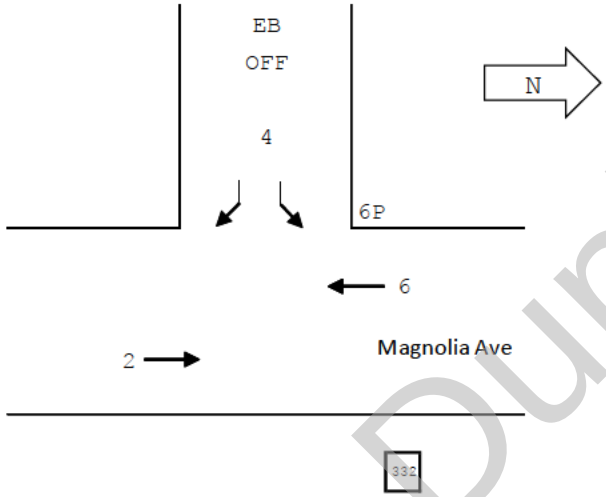
Designed By:
Installed By:
Service Info:

Timing Change:	Date Start:	Date End:	Designed:	Installed:
				4/20/2022

			FLASH
PHASE	1)		[ ]
	2)	NB Magnolia	[ ]
	3)		[ ]
	4)	Off Ramp	[ ]
	5)		[ ]
	6)	SB Magnolia	[ ]
	7)		[ ]
	8)		[ ]
OVERLAP	A)		[ ]
	B)		[ ]
	C)		[ ]
	D)		[ ]
	E)		[ ]
	F)		[ ]

Intersection Layout

LOCATION: RTE 52 EB @ MAGNOLIA AVENUE



Comments and Notes:

PHASES	1	2	3	4	5	6	7	8
PED XING FT						50		
BIKE XING FT		70				65		

Do not Duplicate

Post Mile: RTE 52 P17.766 - 52 EB @ Magnolia

© 2017 California Department of Transportation, All Rights Reserved

CONFIGURATION PHASE FLAGS

Cabinet (9-3)
332
Configuration
CALTRANS

Phases (2-1-1-1)	
Permitted	. 2 . 4 . 6 . .
Restricted	. . . . .

Phase Recalls (2-1-1-2)	
Vehicle Min	. 2 . . . 6 . .
Vehicle Max	. . . . .
Pedestrian	. . . . .
Bicycle	. . . . .

Phase Locks (2-1-1-3)	
Red	. . . . .
Yellow	. . . . .
Force/Max	. . . . .

Phase Features (2-1-1-4)	
Double Entry	. . . . .
Rest In Walk	. . . . .
Rest In Red	. . . . .
Walk 2	. . . . .
Max Green 2	. . . . .
Max Green 3	. . . . .

Startup (2-1-1-5)	
First Green Phases	. 2 . . . 6 . .
Yellow Start Phases	. . . . .
Vehicle Calls	. 2 . 4 . 6 . .
Pedestrian Calls	. . . . . 6 . .
Yellow Start Overlaps	. . . . .
Startup All-Red	6.0

Call To Phase (2-1-2-1)		Omit On Green	
1	. . . . .	1	. . . . .
2	. . . . .	2	. . . . .
3	. . . . .	3	. . . . .
4	. . . . .	4	. . . . .
5	. . . . .	5	. . . . .
6	. . . . .	6	. . . . .
7	. . . . .	7	. . . . .
8	. . . . .	8	. . . . .

Flashing Colors (2-1-2-2)	
Yellow Flash Phases	. . . . .
Yellow Flash Overlap	. . . . .
Flash In Red Phases	. . . . .
Flash In Red Overlaps	. . . . .

Special Operation (2-1-2-3)	
Single Exit Phase	. . . . .
Driveway Signal Phases	. . . . .
Driveway Signal Overlaps	. . . . .
Leading Ped Phases	. . . . . 6 . .

Protected Permissive (2-1-2-4)	
Protected Permissive	. . . . .

Pedestrian (2-1-3)	
P1	. . . . .
P2	. . . . .
P3	. . . . .
P4	. . . . .
P5	. . . . .
P6	. . . . . 6 . .
P7	. . . . .
P8	. . . . .

Overlap (2-1-4)				
Overlap	Parent	Omit	No Start	Not
A	. . . . .	. . . . .	. . . . .	. . . . .
B	. . . . .	. . . . .	. . . . .	. . . . .
C	. . . . .	. . . . .	. . . . .	. . . . .
D	. . . . .	. . . . .	. . . . .	. . . . .
E	. . . . .	. . . . .	. . . . .	. . . . .
F	. . . . .	. . . . .	. . . . .	. . . . .

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

PHASE TIMING

Phase (2-2)	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
--- Walk 1 ---	0	0	0	0	0	7	0	10
Flash Don't Walk	0	0	0	0	0	14	0	10
Minimum Green	10	5	10	5	10	5	10	10
Det Limit	10	0	10	0	10	0	10	10
Max Initial	10	0	10	0	10	0	10	10
Max Green 1	50	30	50	25	50	30	50	50
Max Green 2	50	0	50	0	50	0	50	50
Max Green 3	50	0	50	0	50	0	50	50
Extension	5.0	3.0	5.0	3.0	5.0	3.0	5.0	5.0
Maximum Gap	5.0	3.0	5.0	3.0	5.0	3.0	5.0	5.0
Minimum Gap	5.0	3.0	5.0	3.0	5.0	3.0	5.0	5.0
Add Per Vehicle	1.0	0.0	1.0	0.0	1.0	0.0	1.0	1.0
Reduce Gap By	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce Every	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Yellow	5.0	4.4	5.0	4.1	5.0	4.4	5.0	5.0
All-Red	1.0	2.0	1.0	2.0	1.0	2.0	1.0	1.0

Ped/Bike (2-3)	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
--- Walk 2 ---	0	0	0	0	0	0	0	0
Delay/Early Walk	0	0	0	0	0	4	0	0
Solid Don't Walk	0	0	0	0	0	0	0	0
Bike Green	0	0	0	0	0	0	0	0
Bike All-Red	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

OVERLAP TIMING

Overlap (2-4)	A	B	C	D	E	F
Green	0.0	0.0	0.0	0.0	0.0	0.0
Yellow	5.0	5.0	5.0	5.0	5.0	5.0
Red	0.0	0.0	0.0	0.0	0.0	0.0

Red Revert

Red Revert (2-5)	
Time	5.0
All-Red Sec/Min (2-6)	
All-Red Sec/Min:	OFF

Max 2 Extension

Max/Gap Out (2-7)	
Max Cnt	0
Gap Cnt	0

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

Local Plan 1...9 (7-1) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 1	Green Factor			.....											
Plan 2	Green Factor			.....											
Plan 3	Green Factor			.....											
Plan 4	Green Factor	55		.....	44	44	44		24		17		24		
Plan 5	Green Factor			.....											
Plan 6	Green Factor	60		.....	36	36	36		23		23		23		
Plan 7	Green Factor			.....											
Plan 8	Green Factor			.....											
Plan 9	Green Factor			.....											

Local Plan 1...9 (7-1) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 1	.....	.....	.....	.....	.....	.....	.....	.....
Plan 2	.....	.....	.....	.....	.....	.....	.....	.....
Plan 3	.....	.....	.....	.....	.....	.....	.....	.....
Plan 4	.2.4.6.8	.2...6..	.....	.....	...4....	.....	.....	.....
Plan 5	.....	.....	.....	.....	.....	.....	.....	.....
Plan 6	.2.4.6.8	.2...6..	.....	.....	...4....	.....	.....	.....
Plan 7	.....	.....	.....	.....	.....	.....	.....	.....
Plan 8	.....	.....	.....	.....	.....	.....	.....	.....
Plan 9	.....	.....	.....	.....	.....	.....	.....	.....

Master Timer Sync (7-A)	
Enable in Plans	
1-9	.....
11-19	.....
21-29	.....

Master Sub Master	
Input	
Output	

FREE PLAN PHASE FLAGS

(7-E) Free	
Lag	Omit
.2.4.6.8	.....
Veh Min	Veh Max
.2...6..	.....
Ped	Bike
.....	.....
Cond	Cond Grn
.....	10

MANUAL COMMANDS

Manual Plan (4-1)		*Plan: 1-29*
Plan	OffSet	*254 = Flash*
	A	*255 = Free*
		Offset A, B, or C

Special Function Override (4-2)			
#	Control	#	Control
1	NORMAL	3	NORMAL
2	NORMAL	4	NORMAL

Detector Reset	(4-3)
Local Manual (4-4)	OFF

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

Local Plan 11...19 (7-2) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 11	Green Factor			.....											
Plan 12	Green Factor			.....											
Plan 13	Green Factor			.....											
Plan 14	Green Factor			.....											
Plan 15	Green Factor			.....											
Plan 16	Green Factor			.....											
Plan 17	Green Factor			.....											
Plan 18	Green Factor			.....											
Plan 19	Green Factor			.....											

Local Plan 11...19 (7-2) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 11	.....	.....	.....	.....	.....	.....	.....	.....
Plan 12	.....	.....	.....	.....	.....	.....	.....	.....
Plan 13	.....	.....	.....	.....	.....	.....	.....	.....
Plan 14	.....	.....	.....	.....	.....	.....	.....	.....
Plan 15	.....	.....	.....	.....	.....	.....	.....	.....
Plan 16	.....	.....	.....	.....	.....	.....	.....	.....
Plan 17	.....	.....	.....	.....	.....	.....	.....	.....
Plan 18	.....	.....	.....	.....	.....	.....	.....	.....
Plan 19	.....	.....	.....	.....	.....	.....	.....	.....

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

Local Plan 21...29 (7-3) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 21	Green Factor			.....											
Plan 22	Green Factor			.....											
Plan 23	Green Factor			.....											
Plan 24	Green Factor			.....											
Plan 25	Green Factor			.....											
Plan 26	Green Factor			.....											
Plan 27	Green Factor			.....											
Plan 28	Green Factor			.....											
Plan 29	Green Factor			.....											

Local Plan 21...29 (7-3) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 21	.....	.....	.....	.....	.....	.....	.....	.....
Plan 22	.....	.....	.....	.....	.....	.....	.....	.....
Plan 23	.....	.....	.....	.....	.....	.....	.....	.....
Plan 24	.....	.....	.....	.....	.....	.....	.....	.....
Plan 25	.....	.....	.....	.....	.....	.....	.....	.....
Plan 26	.....	.....	.....	.....	.....	.....	.....	.....
Plan 27	.....	.....	.....	.....	.....	.....	.....	.....
Plan 28	.....	.....	.....	.....	.....	.....	.....	.....
Plan 29	.....	.....	.....	.....	.....	.....	.....	.....

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

TOD SCHEDULE

Table 1 (8-2-1)		
Time	Plan	OS
0645	4	A
0915	255	A
1600	6	A
1830	255	A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 2 (8-2-2)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 3 (8-2-3)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 4 (8-2-4)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 5 (8-2-5)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 6 (8-2-6)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

WEEKDAY ASSIGNMENT

Weekday Table Assignments (8-2-7)						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	1	1	1	1	2	2

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

HOLIDAY TABLES

Floating Holiday Table (8-2-8)

#	Mnth	Week	DOW	Table
1			.....	
2			.....	
3			.....	
4			.....	
5			.....	
6			.....	
7			.....	
8			.....	
9			.....	
10			.....	
11			.....	
12			.....	
13			.....	
14			.....	
15			.....	
16			.....	

Fixed Holiday Table (8-2-9)

#	Mnth	Day	DOW	Table
1			.....	
2			.....	
3			.....	
4			.....	
5			.....	
6			.....	
7			.....	
8			.....	
9			.....	
10			.....	
11			.....	
12			.....	
13			.....	
14			.....	
15			.....	
16			.....	

Daylight Saving (8-1)

Enabl	YES	Month	Sunday
	Start	MAR	2nd
	End	NOV	1st

Solar Clock Data (8-4)

North Latitude	34
West Longitude	118
Local Time Zone	8

Sabbatical Clock (8-5)

Hebrew	Ped Recall
Sabbath	.....
Holiday	.....

TOD FUNCTIONS

TOD Functions (8-3)

#	Start	End	DOW	Action	Phases
1			.....		.....
2			.....		.....
3			.....		.....
4			.....		.....
5			.....		.....
6			.....		.....
7			.....		.....
8			.....		.....
9			.....		.....
10			.....		.....
11			.....		.....
12			.....		.....
13			.....		.....
14			.....		.....
15			.....		.....
16			.....		.....

Action Codes:

0. None
1. Permitted
2. Restricted
4. Veh Min Recall
5. Veh Max Recall
6. Ped Recall
7. Bike Recall
8. Red Lock
9. Yellow Lock
10. Force/Max Lock
11. Double Entry
12. Y-Coord C
13. Y-Coord D
14. Free
15. Flashing
16. Walk 2
17. Max Green 2
18. Max Green 3
19. Rest in Walk
20. Rest in Red
21. Free Lag Phases
22. Special Functions
23. Truck Preempt
24. Conditional Service
25. Conditional Service
26. Leading Ped
27. Traffic Actuated Max 2
41. Protected Permissive
42. Protected Permissive

Action Code = Phases added to normal setting

100+Action Code = Phases removed

200+Action Code = Phases replaced

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

RAILROAD PREEMPTION

RR 1

(3-1-1)	Timing	Phase Flags (3-1-2)			Pedestrian Flags (3-1-3)			Overlap Flags (3-1-4)		
		Grn Hold	Yel Flash	Red Flash	Walk	Flash DW	Solid DW	Grn Hold	Yel Flash	Red Flash
Delay										
Clear 1	10	. 2 . . 5 . . .	. . . . .	. . . . .	. . . . .	. . . . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .	. . . . .
Clear 2		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Clear 3		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Hold		. . . . .	. . . . .	1 2 3 4 5 6 7 8	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	A B C D E F
Exit	5									
Min Grn										
Ped Clr										

Exit Parameters (3-1-5)

Phase Green	Overlap Green	Vehicle Call	Ped Call
. . . . .	. . . . .	1 2 3 4 5 6 7 8	. 2 . 4 . 6 . 8

Configuration (3-1-6)

PR 1	PR 2	Latching	Power-Up
2.5	0.0	YES	FLASHING

RR 2

(3-2-1)	Timing	Phase Flags (3-2-2)			Pedestrian Flags (3-2-3)			Overlap Flags (3-2-4)		
		Grn Hold	Yel Flash	Red Flash	Walk	Flash DW	Solid DW	Grn Hold	Yel Flash	Red Flash
Delay										
Clear 1	10	. . . 4 . . 7 .	. . . . .	. . . . .	. . . . .	. . . . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .	. . . . .
Clear 2		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Clear 3		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Hold		1 2 3 . . 6 . .	. . . . .	. . . . .	. 2 . . . 6 . .	. . . . .	. . . 4 . . . 8	. . . . .	. . . . .	. . . . .
Exit										
Min Grn										
Ped Clr										

Exit Parameters (3-2-5)

Phase Green	Overlap Green	Vehicle Call	Ped Call
. . . . .	. . . . .	. . . 4 . . 7 .	. . . . .

Configuration (3-2-6)

PR 1	PR 2	Latching	Power-up
2.6	0.0	YES	DARK

EMERGENCY VEHICLE PREEMPTION

EVA (3-A)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	5	255	. 2 . . 5 . . .	. . . . .

Port	Latching	Phase Termination
5.5	NO	ADVANCE

EVB (3-B)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	5	255	. . . 4 . . 7 .	. . . . .

Port	Latching	Phase Termination
5.6	NO	ADVANCE

EVC (3-C)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	5	255	1 . . . . 6 . .	. . . . .

Port	Latching	Phase Termination
5.7	NO	ADVANCE

EVD (3-D)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	5	255	. . 3 8	. . . . .

Port	Latching	Phase Termination
5.8	NO	ADVANCE

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

TRANSIT PRIORITY

Local Plans (3-E) 1...9 11...19		Early Green	Green Extend	Inhibit Cycles	Phase 1 Minimum	Phase 2 Minimum	Phase 3 Minimum	Phase 4 Minimum	Phase 5 Minimum	Phase 6 Minimum	Phase 7 Minimum	Phase 8 Minimum
Plan 1	Green Factor											
Plan 2	Green Factor											
Plan 3	Green Factor											
Plan 4	Green Factor											
Plan 5	Green Factor											
Plan 6	Green Factor											
Plan 7	Green Factor											
Plan 8	Green Factor											
Plan 9	Green Factor											
Plan 11	Green Factor											
Plan 12	Green Factor											
Plan 13	Green Factor											
Plan 14	Green Factor											
Plan 15	Green Factor											
Plan 16	Green Factor											
Plan 17	Green Factor											
Plan 18	Green Factor											
Plan 19	Green Factor											

Transit Priority Configuration (3-E-A)				Indicator Output	
Enable in Plans		Input	Type	Stop	Go
Plan 1-9	.....	0.0	NONE	0	0
Plan 11-19	.....	0.0	NONE	0	0

Queue Jump (3-E-B)	
Grn Hold	Hold Phase
	.....
	.....

Free Plans (3-E-E)	
Max Grn Hold	Hold Phase
	.....

YELLOW YIELD COORDINATION

					Force-Offs											
Y-Coord Plans (7-C,D)	Long Grn	No Grn	Offset	Perm	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	Coord	Lag	Min Recall	Restricted
Plan C													.2...6..	.2.4.6.8	.....	.....
Plan D													.2...6..	.2.4.6.8	.....	.....

TRUCK PRIORITY

Truck Priority (3-F)	Passage	CarryOver	Clearance	Next Priority	Phase Green	Det 2 Port	Det 3 Port	Det 4 Port	Sign Output	Slave Input	Slave Output
					.....	0.0	0.0	0.0	0	0.0	0

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

Location: RTE 67 SB (52 WB) @ Magnolia
System:
District: 11
Master At: 67 SB (52 WB) Magnolia
I/C: 52 EB Off

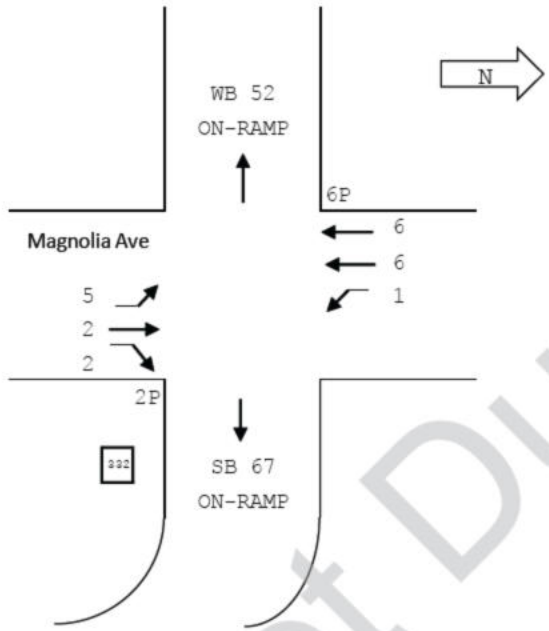
Designed By:
Installed By:
Service Info:

Timing Change:	Date Start:	Date End:	Designed:	Installed:
				4/20/2022

		FLASH
PHASE	1) SB Magnolia LT	[ ]
	2) NB Magnolia	[ ]
	3)	[ ]
	4)	[ ]
	5) NB Magnolia LT	[ ]
	6) SB Magnolia	[ ]
	7)	[ ]
	8)	[ ]
OVERLAP	A)	[ ]
	B)	[ ]
	C)	[ ]
	D)	[ ]
	E)	[ ]
	F)	[ ]

Intersection Layout

LOCATION: RTE 67 SB (52 WB) @ MAGNOLIA AVENUE



Comments and Notes:

PHASES	1	2	3	4	5	6	7	8
PED XING FT		89				92		
BIKE XING FT		85				95		

Do not Duplicate

Post Mile: RTE 67 P02.091 - 67 SB (52 WB) @ Magnolia

© 2017 California Department of Transportation, All Rights Reserved

CONFIGURATION PHASE FLAGS

Cabinet (9-3)
332
Configuration
CALTRANS

Phases (2-1-1-1)	
Permitted	1 2 . . 5 6 . .
Restricted	. . . . .

Phase Recalls (2-1-1-2)	
Vehicle Min	. 2 . . . 6 . .
Vehicle Max	. . . . .
Pedestrian	. . . . .
Bicycle	. . . . .

Phase Locks (2-1-1-3)	
Red	1 . . . 5 . . .
Yellow	. . . . .
Force/Max	. . . . .

Phase Features (2-1-1-4)	
Double Entry	. . . . .
Rest In Walk	. . . . .
Rest In Red	. . . . .
Walk 2	. 2 . . . 6 . .
Max Green 2	. . . . .
Max Green 3	. . . . .

Startup (2-1-1-5)	
First Green Phases	. 2 . . . 6 . .
Yellow Start Phases	. . . . .
Vehicle Calls	1 2 . . 5 6 . .
Pedestrian Calls	. 2 . . . 6 . .
Yellow Start Overlaps	. . . . .
Startup All-Red	6.0

Call To Phase (2-1-2-1)		Omit On Green	
1	. . . . .	1	. . . . .
2	. . . . .	2	. . . . .
3	. . . . .	3	. . . . .
4	. . . . .	4	. . . . .
5	. . . . .	5	. . . . .
6	. . . . .	6	. . . . .
7	. . . . .	7	. . . . .
8	. . . . .	8	. . . . .

Flashing Colors (2-1-2-2)	
Yellow Flash Phases	. . . . .
Yellow Flash Overlap	. . . . .
Flash In Red Phases	. . . . .
Flash In Red Overlaps	. . . . .

Special Operation (2- 2-3)	
Single Exit Phase	. . . . .
Driveway Sig al P ses	. . . . .
Driveway Signal Overlaps	. . . . .
Leading P d Phases	. 2 . . . 6 . .

Protected Permissive (2 2 4)	
Protected Permissive	. . . . .

Pedestrian (2-1-3)	
P1	. . . . .
P2	. 2 . . . . .
P3	. . . . .
P4	. . . . .
P5	. . . . .
P6	. . . . . 6 . .
P7	. . . . .
P8	. . . . .

Overlap (2-1-4)				
Overlap	Parent	Omit	No Start	Not
A	. . . . .	. . . . .	. . . . .	. . . . .
B	. . . . .	. . . . .	. . . . .	. . . . .
C	. . . . .	. . . . .	. . . . .	. . . . .
D	. . . .	. . . . .	. . . . .	. . . . .
E	. . . . .	. . . . .	. . . . .	. . . . .
F	. . . . .	. . . . .	. . . . .	. . . . .

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

PHASE TIMING

Phase (2-2)	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
--- Walk 1 ---	0	7	0	10	0	7	0	10
Flash Don't Walk	0	25	0	10	0	26	0	10
Minimum Green	5	6	10	10	5	7	10	10
Det Limit	0	0	10	10	0	0	10	10
Max Initial	0	0	10	10	0	0	10	10
Max Green 1	30	40	50	50	30	40	50	50
Max Green 2	0	0	50	50	0	0	50	50
Max Green 3	0	0	50	50	0	0	50	50
Extension	2.0	3.0	5.0	5.0	2.0	3.0	5.0	5.0
Maximum Gap	2.0	3.0	5.0	5.0	2.0	3.0	5.0	5.0
Minimum Gap	2.0	3.0	5.0	5.0	2.0	.0	5.0	5.0
Add Per Vehicle	0.0	0.0	1.0	1.0	0.0	0.0	1.0	1.0
Reduce Gap By	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce Every	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Yellow	3.7	4.4	5.0	5.0	3 7	4.4	5.0	5.0
All-Red	2.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0

Ped/Bike (2-3)	-1-	-2-	-3-	-4-	5-	-6-	-7-	-8-
--- Walk 2 ---	0	7	0	0	0	7	0	0
Delay/Early Walk	0	4	0	0	0	4	0	0
Solid Don't Walk	0	0	0	0	0	0	0	0
Bike Green	0	0	0	0	0	0	0	0
Bike All-Red	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

OVERLAP TIMING

Overlap (2-4)	A	B	C	D	E	F
Green	0.0	0.0	0.0	0 0	0.0	0.0
Yellow	5.0	5.0	5 0	5.0	5.0	5.0
Red	0.0	0.0	0.0	0.0	0.0	0.0

Red Revert

Red Revert (2-5)
Time 5.0
All-Red Sec/Min (2-6)
All-Red Sec/Min: OFF

Max 2 Extension

Max/Gap Out (2-7)
Max Cnt 0
Gap Cnt 0

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

Local Plan 1...9 (7-1) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 1	Green Factor			.....											
Plan 2	Green Factor			.....											
Plan 3	Green Factor			.....											
Plan 4	Green Factor	55		.....	50	50	50	18	24			13	29		
Plan 5	Green Factor			.....											
Plan 6	Green Factor	60		.....	44	44	44	18	29			9	38		
Plan 7	Green Factor			.....											
Plan 8	Green Factor			.....											
Plan 9	Green Factor			.....											

Master Timer Sync (7-A)	
Enable in Plans	
1-9	.....
11-19	.....
21-29	.....

Master Sub Master	
Input	
Output	

FREE PLAN PHASE FLAGS

(7 E) F ee	
Lag	Omit
2 . 4 . 6 . 8	.....
Veh Min	Veh Max
. 2 . . . 6 . .	.....
Ped	Bike
.....	.....
Cond	Cond Grn
.....	10

Local Plan 1...9 (7-1) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 1	.....	.....	.....	.....	.....	.....	....	.....
Plan 2	.....	.....	.....	.....	.....	.....	....	.....
Plan 3	.....	.....	.....	.....	.....	.....	....	.....
Plan 4	. 2 . 4 . 6 . 8	. 2 . . . 6 . .	.....	.....	.....	.....	....	.....
Plan 5	.....	.....	.....	.....	.....	.....	....	.....
Plan 6	. 2 . 4 . 6 . 8	. 2 . . . 6 . .	.....	.....	.....	.....	....	.....
Plan 7	.....	.....	.....	.....	.....	.....	....	.....
Plan 8	.....	.....	.....	.....	.....	.....	....	.....
Plan 9	.....	.....	.....	.....	.....	.....	....	.....

MANUAL COMMANDS

Manual Plan (4-1)		*Plan: 1-29*
Plan	OffSet	*254 = Flash*
	A	*255 = Free*
		Offset A, B, or C

Special Function Override (4-2)			
#	Control	#	Control
1	NORMAL	3	NORMAL
2	NORMAL	4	NORMAL

Detector Reset	(4-3)
Local Manual (4-4)	OFF

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

Local Plan 11...19 (7-2) TIMING DATA COORDINATION

	Cycle	Multi	Lag Gap	[Offsets] A	B	C	Green Factors or Press [F] to Select Force-Off -1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 11 Green Factor			.....											
Plan 12 Green Factor			.....											
Plan 13 Green Factor			.....											
Plan 14 Green Factor			.....											
Plan 15 Green Factor			.....											
Plan 16 Green Factor			.....											
Plan 17 Green Factor			.....											
Plan 18 Green Factor			.....											
Plan 19 Green Factor			.....											

Local Plan 11...19 (7-2) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 11	.....	.....	.....	.....	.....	.....	.....	.....
Plan 12	.....	.....	.....	.....	.....	.....	.....	.....
Plan 13	.....	.....	.....	.....	.....	.....	.....	.....
Plan 14	.....	.....	.....	.....	.....	.....	.....	.....
Plan 15	.....	.....	.....	.....	.....	.....	.....	.....
Plan 16	.....	.....	.....	.....	.....	.....	.....	.....
Plan 17	.....	.....	.....	.....	.....	.....	.....	.....
Plan 18	.....	.....	.....	.....	.....	.....	.....	.....
Plan 19	.....	.....	.....	.....	.....	.....	.....	.....

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

Local Plan 21...29 (7-3) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 21	Green Factor			.....											
Plan 22	Green Factor			.....											
Plan 23	Green Factor			.....											
Plan 24	Green Factor			.....											
Plan 25	Green Factor			.....											
Plan 26	Green Factor			.....											
Plan 27	Green Factor			.....											
Plan 28	Green Factor			.....											
Plan 29	Green Factor			.....											

Local Plan 21...29 (7-3) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 21	.....	.....	.....	.....	.....	.....	.....	.....
Plan 22	.....	.....	.....	.....	.....	.....	.....	.....
Plan 23	.....	.....	.....	.....	.....	.....	.....	.....
Plan 24	.....	.....	.....	.....	.....	.....	.....	.....
Plan 25	.....	.....	.....	.....	.....	.....	.....	.....
Plan 26	.....	.....	.....	.....	.....	.....	.....	.....
Plan 27	.....	.....	.....	.....	.....	.....	.....	.....
Plan 28	.....	.....	.....	.....	.....	.....	.....	.....
Plan 29	.....	.....	.....	.....	.....	.....	.....	.....

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

TOD SCHEDULE

Table 1 (8-2-1)		
Time	Plan	OS
0645	4	A
0915	255	A
1600	6	A
1830	255	A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 2 (8-2-2)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 3 (8-2-3)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 4 (8-2-4)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 5 (8-2-5)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 6 (8-2-6)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

WEEKDAY ASSIGNMENT

Weekday Table Assignments (8-2-7)						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	1	1	1	1	2	2

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

HOLIDAY TABLES

Floating Holiday Table (8-2-8)

#	Mnth	Week	DOW	Table
1			.....	
2			.....	
3			.....	
4			.....	
5			.....	
6			.....	
7			.....	
8			.....	
9			.....	
10			.....	
11			.....	
12			.....	
13			.....	
14			.....	
15			.....	
16			.....	

Fixed Holiday Table (8-2-9)

#	Mnth	Day	DOW	Table
1			.....	
2			.....	
3			.....	
4			.....	
5			.....	
6			.....	
7			.....	
8			.....	
9			.....	
10			.....	
11			.....	
12			.....	
13			.....	
14			.....	
15			.....	
16			.....	

Daylight Saving (8-1)

Enabl	YES	Month	Sunday
	Start	MAR	2nd
	End	NOV	1st

Solar Clock Data (8-4)

North Latitude	34
West Longitude	118
Local Time Zone	8

Sabbatical Clock (8-5)

Hebrew	Ped Recall
Sabbath	.....
Holiday	....

TOD FUNCTIONS

TOD Functions (8-3)

#	Start	End	DOW	Action	Phases
1			.....		.....
2			.....		.....
3			.....		.....
4			.....		.....
5			.....		.....
6			.....		.....
7			.....		.....
8			.....		.....
9			.....		.....
10			.....		.....
11			.....		.....
12			.....		.....
13			.....		.....
14			.....		.....
15			.....		.....
16			.....		.....

Action Codes:

0. None
1. Permit ed
2. Restr cted
4. Veh Min Recall
5 Veh Max R all
6 Ped Recall
7 Bik Recall
8. Red Lock
9. Yellow Lock
10. Force/Max Lock
11.Double Entry
12. Y-Coord C
13. Y-Coord D
14. Free
15. Flashing
16. Walk 2
17. Max Green 2
18. Max Green 3
19. Rest in Walk
20. Rest in Red
21. Free Lag Phases
22. Special Functions
23. Truck Preempt
24. Conditional Service
25. Conditional Service
26. Leading Ped
27. Traffic Actuated Max 2
41. Protected Permissive
42. Protected Permissive

Action Code = Phases added to normal setting

100+Action Code = Phases removed

200+Action Code = Phases replaced

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

RAILROAD PREEMPTION

RR 1

(3-1-1)	Timing	Phase Flags (3-1-2)			Pedestrian Flags (3-1-3)			Overlap Flags (3-1-4)		
Delay		Grn Hold	Yel Flash	Red Flash	Walk	Flash DW	Solid DW	Grn Hold	Yel Flash	Red Flash
Clear 1	10	. 2 . . 5 . . .	. . . . .	. . . . .	. . . . .	. . . . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .	. . . . .
Clear 2		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Clear 3		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Hold		. . . . .	. . . . .	1 2 3 4 5 6 7 8	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	A B C D E F
Exit	5									
Min Grn										
Ped Clr										

Exit Parameters (3-1-5)			
Phase Green	Overlap Green	Vehicle Call	Ped Call
. . . . .	. . . . .	1 2 3 4 5 6 7 8	. 2 . 4 . 6 . 8

Configuration (3-1-6)			
PR 1	PR 2	Latch ng	Power-Up
2.5	0.0	YE	FLASHING

RR 2

(3-2-1)	Timing	Phase Flags (3-2-2)			Pedestrian Flags (3-2-3)			Ove lap Flags (3-2-4)		
Delay		Grn Hold	Yel Flash	Red Flash	Walk	Flash DW	Solid DW	Grn Hold	Yel Flash	Red Flash
Clear 1	10	. . . 4 . . 7 .	. . . . .	. . . . .	. . . . .	. . . . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .	. . . . .
Clear 2		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Clear 3		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Hold		1 2 3 . . 6 . .	. . . . .	. . . . .	. 2 . . . 6 . .	. . . . .	. . . 4 . . 8	. . . . .	. . . . .	. . . . .
Exit										
Min Grn										
Ped Clr										

Exit Parameters (3-2-5)			
Phase Green	Overlap Green	Vehicle Call	Ped Call
. . . . .	. . . . .	. . . 4 . . 7 .	. . . . .

Configurat on (3 2-6)			
PR	PR 2	Latching	Power-up
2.6	0.0	YES	DARK

EMERGENCY VEHICLE PREEMPTION

EVA (3-A)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	30	30	. 2 . . 5 . . .	. . . . .

Port	Latching	Phase Termination
5.5	NO	ADVANCE

EVB (3 B)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	30	30	. . . 4 . . 7 .	. . . . .

Port	Latching	Phase Termination
5.6	NO	ADVANCE

EVC (3-C)

Preempt Timers			Phase Green	Overlap Gre n
Delay	Clear	Max		
	30	30	1 . . . 6 . .	. . .

Port	Latching	Phase Term nation
5.7	NO	ADVANCE

EVD (3-D)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	30	30	. . 3 8	. . . . .

Port	Latching	Phase Termination
5.8	NO	ADVANCE

Do not Duplicate

© 2017 California Department of Transportation, All Rights Reserved

TRANSIT PRIORITY

Local Plans (3-E) 1...9 11...19		Early Green	Green Extend	Inhibit Cycles	Phase 1 Minimum	Phase 2 Minimum	Phase 3 Minimum	Phase 4 Minimum	Phase 5 Minimum	Phase 6 Minimum	Phase 7 Minimum	Phase 8 Minimum
Plan 1	Green Factor											
Plan 2	Green Factor											
Plan 3	Green Factor											
Plan 4	Green Factor											
Plan 5	Green Factor											
Plan 6	Green Factor											
Plan 7	Green Factor											
Plan 8	Green Factor											
Plan 9	Green Factor											
Plan 11	Green Factor											
Plan 12	Green Factor											
Plan 13	Green Factor											
Plan 14	Green Factor											
Plan 15	Green Factor											
Plan 16	Green Factor											
Plan 17	Green Factor											
Plan 18	Green Factor											
Plan 19	Green Factor											

Transit Priority Configuration (3-E-A)				Indicator Output	
Enable in Plans		Input	Type	Stop	Go
Plan 1-9	.....	0.0	NONE	0	0
Plan 11-19	.....	0.0	NONE	0	0

Queue Jump (3-E-B)	
Grn Hold	Hold Phase
	.....
	.....

Free Plans (3 E-E)	
Max Gr Hold	Hold Phase
	.....

Timeout

YELLOW YIELD COORDINATION

					Force-Offs											
Y-Coord Plans (7-C,D)	Long Grn	No Grn	Offset	Perm	-1-	-2-	-3-	4-	5-	-6-	-7-	-8-	Coord	Lag	Min Recall	Restricted
Plan C													.2...6..	.2.4.6.8	.....	.....
Plan D													.2...6..	.2.4.6.8	.....	.....

TRUCK PRIORITY

Truck Priority (3-F)	Passage	CarryOver	Clearance	Next Priority	Phase Green	Det 2 Port	Det 3 Port	Det 4 Port	Sign Output	Slave Input	Slave Output
					.....	0.0	0.0	0.0	0	0.0	0

Do not Duplicate

Signal Length Timing Study

City:	Santee
Intersection:	Magnolia and SR-52 EB Ramps
Date:	5/2/2023
Day:	Tuesday

7:30 am - 7:45 am

Cycle	Phase	Duration	
1	EL/ER	*0:00:30*	0:01:10
	NT/ST	*0:00:40*	
2	EL/ER	*0:00:35*	0:01:20
	NT/ST	*0:00:45*	
3	EL/ER	*0:00:35*	0:01:20
	NT/ST	*0:00:45*	
4	EL/ER	*0:00:25*	0:01:10
	NT/ST	*0:00:45*	
5	EL/ER	*0:00:35*	0:01:15
	NT/ST	*0:00:40*	
6	EL/ER	*0:00:35*	0:01:20
	NT/ST	*0:00:45*	
7	EL/ER	*0:00:35*	0:01:10
	NT/ST	*0:00:35*	
8	EL/ER	*0:00:35*	0:01:15
	NT/ST	*0:00:40*	
9	EL/ER	*0:00:40*	0:01:30
	NT/ST	*0:00:50*	
10	EL/ER	*0:00:45*	0:01:45
	NT/ST	*0:01:00*	
11	EL/ER	*0:00:25*	0:01:05
	NT/ST	*0:00:40*	
12	EL/ER	*0:00:35*	0:01:20
	NT/ST	*0:00:45*	
			avg
			0:01:18

4:15 pm - 4:30 pm

Cycle	Phase	Duration	
1	NT/ST	*0:00:40*	0:01:00
	EL/ER	*0:00:20*	
2	NT/ST	*0:00:40*	0:01:15
	EL/ER	*0:00:35*	
3	NT/ST	*0:00:40*	0:01:15
	EL/ER	*0:00:35*	
4	NT/ST	*0:00:45*	0:01:20
	EL/ER	*0:00:35*	
5	NT/ST	*0:00:45*	0:01:20
	EL/ER	*0:00:35*	
6	NT/ST	*0:00:40*	0:01:15
	EL/ER	*0:00:35*	
7	NT/ST	*0:00:45*	0:01:20
	EL/ER	*0:00:35*	
8	NT/ST	*0:00:45*	0:01:15
	EL/ER	*0:00:30*	
9	NT/ST	*0:00:40*	0:01:05
	EL/ER	*0:00:25*	
10	NT/ST	*0:00:45*	0:01:20
	EL/ER	*0:00:35*	
11	NT/ST	*0:00:40*	0:01:20
	EL/ER	*0:00:40*	
12	NT/ST	*0:00:35*	0:01:05
	EL/ER	*0:00:30*	
13	NT/ST	*0:00:40*	0:01:10
	EL/ER	*0:00:30*	
			avg
			0:01:14

Prepared by AimTD LLC
cs@aimtd.com
714.253.7888

Signal Length Timing Study

City: Santee

Intersection: Magnolia and SR-52 WB Ramp-SR-67 SB Ramp

Date: 5/2/2023

Day: Tuesday

7:30 am - 7:45 am				4:30 pm - 4:45 pm			
Cycle	**Phase**	**Duration**		**Cycle**	**Phase**	**Duration**	
1	NT	*0:00:15*	0:00:45	1	NT/NL	*0:00:20*	0:01:05
	NT/ST	*0:00:15*			NT/ST	*0:00:35*	
	ST/SL	*0:00:15*			ST/SL	*0:00:10*	
2	NT	*0:00:10*	0:00:30	2	NL/SL	*0:00:25*	0:01:00
	NT/NL	*0:00:20*			ST/SL	*0:00:10*	
3	NT/ST	*0:00:15*	0:00:30		NT/ST	*0:00:25*	
	ST/SL	*0:00:15*		3	NT/NL	*0:00:15*	0:00:30
4	NT/ST	*0:00:45*	0:01:40		NL/SL	*0:00:15*	
	NL/NT	*0:00:10*		4	NT/NL	*0:00:15*	0:01:05
	NL/SL	*0:00:35*			NT/ST	*0:00:30*	
	ST	*0:00:10*			ST/SL	*0:00:20*	
5	NT/ST	*0:00:45*	0:01:10	5	NL/SL	*0:00:10*	0:01:25
	NL	*0:00:10*			NT/SL	*0:00:30*	
	NL/SL	*0:00:15*			NT/ST	*0:00:20*	
6	NT	*0:00:10*	0:01:15		ST/SL	*0:00:25*	
	NT/ST	*0:00:35*		6	NL/SL	*0:00:10*	0:01:15
	SL	*0:00:15*			NT/NL	*0:00:15*	
	NL/SL	*0:00:15*			NT/ST	*0:00:40*	
7	NT	*0:00:30*	0:01:15		ST/SL	*0:00:10*	
	ST/SL	*0:00:35*		7	NL/SL	*0:00:15*	0:01:25
	NL/SL	*0:00:10*			NT/NL	*0:00:10*	
8	NL/NT	*0:00:35*	0:01:05		NT/ST	*0:00:50*	
	ST/SL	*0:00:30*			ST/SL	*0:00:10*	
9	NT/ST	*0:00:20*	0:01:25	8	NL/SL	*0:00:15*	0:01:10
	NT/NL	*0:00:30*			ST	*0:00:05*	
	NL/SL	*0:00:25*			NT/ST	*0:00:40*	
	ST/SL	*0:00:10*			ST/SL	*0:00:10*	
10	NT/ST	*0:00:25*	0:01:00	9	NL/SL	*0:00:15*	0:01:15
	NT/NL	*0:00:15*			NT/ST	*0:00:50*	
	NL/SL	*0:00:20*			ST/SL	*0:00:10*	
11	NT	*0:00:15*	0:00:50	10	NL/SL	*0:00:10*	0:01:10
	NT/ST	*0:00:15*			NT/NL	*0:00:10*	
	ST/SL	*0:00:20*			NT/ST	*0:00:40*	
12	NT/ST	*0:00:25*	0:01:25		ST/SL	*0:00:10*	
	NT/NL	*0:00:15*		11	NL/SL	*0:00:20*	0:01:25
	ST/SL	*0:00:45*			NT	*0:00:05*	
13	NT/NL	*0:00:35*	0:00:45		NT/ST	*0:00:50*	
	ST/SL	*0:00:10*			ST/SL	*0:00:10*	
14	NT/ST	*0:00:20*	0:00:45	12	NL/SL	*0:00:15*	0:02:10
	NL/SL	*0:00:25*			NT/ST	*0:00:50*	
15	NT/ST	*0:00:35*	0:00:55		ST/SL	*0:00:45*	
	ST/SL	*0:00:10*			NT/ST	*0:00:20*	
	NL/SL	*0:00:10*					
			avg				avg
			0:01:01				0:01:15

Prepared by AimTD LLC
cs@aimtd.com
714.253.7888

Signal Length Timing Study

City: Santee

Intersection: Magnolia and Woodside

Date: 5/2/2023

Day: Tuesday

7:30 am - 7:45 am				4:30 pm - 4:45 pm			
Cycle	**Phase**	**Duration**		**Cycle**	**Phase**	**Duration**	
1	EL/WL	*0:00:15*	0:02:00	1	ET/WT	*0:00:30*	0:01:55
	WT/WL	*0:00:05*			NL/SL	*0:00:15*	
	ET/WT	*0:00:40*			NT/NL	*0:00:05*	
	NL/SL	*0:00:10*			NT/ST	*0:00:40*	
	NT/NL	*0:00:10*			EL/WL	*0:00:15*	
	NT/ST	*0:00:40*			WT/WL	*0:00:10*	
2	EL/WL	*0:00:15*	0:01:40	2	ET/WT	*0:00:35*	0:02:05
	WT/WL	*0:00:05*			NL/SL	*0:00:15*	
	ET/WT	*0:00:30*			NT/NL	*0:00:05*	
	NL/SL	*0:00:10*			NT/ST	*0:00:45*	
	NT/ST	*0:00:40*			EL/WL	*0:00:15*	
3	EL/WL	*0:00:15*	0:01:50		WT/WL	*0:00:10*	
	WT/WL	*0:00:05*		3	ET/WT	*0:00:30*	0:02:00
	ET/WT	*0:00:30*			NL/SL	*0:00:20*	
	NL/SL	*0:00:15*			NT/ST	*0:00:40*	
	NT/ST	*0:00:45*			EL/WL	*0:00:20*	
4	EL/WL	*0:00:15*	0:01:50		WT/WL	*0:00:10*	
	WT/WL	*0:00:05*		4	ET/WT	*0:00:30*	0:02:00
	ET/WT	*0:00:30*			NL/SL	*0:00:20*	
	NL/SL	*0:00:15*			NT/ST	*0:00:40*	
	NT/ST	*0:00:45*			EL/WL	*0:00:20*	
5	EL/WL	*0:00:15*	0:02:00		WT/WL	*0:00:10*	
	WT/WL	*0:00:05*		5	ET/WT	*0:00:30*	0:02:00
	ET/WT	*0:00:30*			NL/SL	*0:00:15*	
	NL/SL	*0:00:25*			NT/ST	*0:00:45*	
	NT/ST	*0:00:45*			EL/WL	*0:00:25*	
6	EL/WL	*0:00:10*	0:01:40		WT/WL	*0:00:05*	
	WT/WL	*0:00:05*		6	ET/WT	*0:00:30*	0:01:55
	ET/WT	*0:00:30*			NL/SL	*0:00:20*	
	NL/SL	*0:00:15*			NT/ST	*0:00:40*	
	NT/ST	*0:00:40*			EL/WL	*0:00:20*	
7	EL/WL	*0:00:15*	0:01:45		WT/WL	*0:00:05*	
	WT/WL	*0:00:05*		7	ET/WT	*0:00:35*	0:02:00
	ET/WT	*0:00:30*			NL/SL	*0:00:15*	
	NL/SL	*0:00:15*			NT/ST	*0:00:45*	
	NT/ST	*0:00:40*			EL/WL	*0:00:15*	
8	EL/WL	*0:00:15*	0:01:50		WT/WL	*0:00:10*	
	WT/WL	*0:00:05*		8	ET/WT	*0:00:35*	0:01:40
	ET/WT	*0:00:30*			NL/SL	*0:00:20*	
	NL/SL	*0:00:15*			NT/ST	*0:00:25*	
	NT/ST	*0:00:45*			EL/WL	*0:00:20*	
9	EL/WL	*0:00:15*	0:01:45				
	WT/WL	*0:00:05*					
	ET/WT	*0:00:30*					
	SL/ST	*0:00:25*					
	NT/ST	*0:00:30*					
			avg				avg
			0:01:49				0:01:57

Prepared by AimTD LLC
cs@aimtd.com
714.253.7888

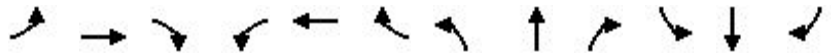
Appendix E

Intersection LOS Worksheets – Existing Conditions

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	417	441	0	1286	506	0
Future Volume (veh/h)	417	441	0	1286	506	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	439	464	0	1354	533	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	585	520	0	1623	1623	0
Arrive On Green	0.32	0.32	0.00	0.45	0.15	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	439	464	0	1354	533	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	11.9	15.1	0.0	18.2	7.3	0.0
Cycle Q Clear(g_c), s	11.9	15.1	0.0	18.2	7.3	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	585	520	0	1623	1623	0
V/C Ratio(X)	0.75	0.89	0.00	0.83	0.33	0.00
Avail Cap(c_a), veh/h	622	553	0	1623	1623	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	0.33	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.88	0.00
Uniform Delay (d), s/veh	16.6	17.7	0.0	13.3	16.0	0.0
Incr Delay (d2), s/veh	4.8	16.0	0.0	5.2	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.7	6.7	0.0	6.4	2.7	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	21.4	33.7	0.0	18.6	16.5	0.0
LnGrp LOS	C	C	A	B	B	A
Approach Vol, veh/h	903			1354	533	
Approach Delay, s/veh	27.7			18.6	16.5	
Approach LOS	C			B	B	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		31.1		23.9		31.1
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		23.6		18.9		23.6
Max Q Clear Time (g_c+I1), s		20.2		17.1		9.3
Green Ext Time (p_c), s		2.5		0.7		2.7

Intersection Summary		
HCM 6th Ctrl Delay		21.1
HCM 6th LOS		C



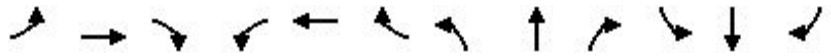
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	292	1267	139	521	510	255
Future Volume (veh/h)	0	0	0	0	0	0	292	1267	139	521	510	255
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.97	1.00		0.97
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							301	1306	143	537	526	263
Peak Hour Factor							0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							1593	1885	570	1463	754	376
Arrive On Green							0.91	0.73	0.73	0.42	0.33	0.33
Sat Flow, veh/h							3510	5187	1570	3510	2311	1151
Grp Volume(v), veh/h							301	1306	143	537	410	379
Grp Sat Flow(s),veh/h/ln							1755	1729	1570	1755	1805	1657
Q Serve(g_s), s							0.5	7.6	1.7	5.8	10.9	11.0
Cycle Q Clear(g_c), s							0.5	7.6	1.7	5.8	10.9	11.0
Prop In Lane							1.00		1.00	1.00		0.69
Lane Grp Cap(c), veh/h							1593	1885	570	1463	589	541
V/C Ratio(X)							0.19	0.69	0.25	0.37	0.70	0.70
Avail Cap(c_a), veh/h							1593	3169	959	1463	1103	1012
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.49	0.49	0.49	1.00	1.00	1.00
Uniform Delay (d), s/veh							1.4	5.8	5.0	11.0	16.2	16.2
Incr Delay (d2), s/veh							0.0	1.0	0.5	0.1	6.7	7.4
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							0.1	1.5	0.5	1.7	4.7	4.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							1.4	6.9	5.5	11.1	22.9	23.6
LnGrp LOS							A	A	A	B	C	C
Approach Vol, veh/h								1750			1326	
Approach Delay, s/veh								5.8			18.3	
Approach LOS								A			B	

Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	8.6	26.4		30.7	24.3
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	9.3	* 34		9.3	* 34
Max Q Clear Time (g_c+I1), s	7.8	9.6		2.5	13.0
Green Ext Time (p_c), s	0.2	10.1		0.3	4.6

Intersection Summary	
HCM 6th Ctrl Delay	11.2
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	91	221	157	353	574	202	212	615	403	226	789	158
Future Volume (veh/h)	91	221	157	353	574	202	212	615	403	226	789	158
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	93	226	160	360	586	206	216	628	411	231	805	161
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	164	703	438	450	720	253	287	1477	854	302	1492	655
Arrive On Green	0.05	0.19	0.19	0.13	0.28	0.28	0.08	0.41	0.41	0.09	0.41	0.41
Sat Flow, veh/h	3510	3610	1573	3510	2606	914	3510	3610	1583	3510	3610	1583
Grp Volume(v), veh/h	93	226	160	360	405	387	216	628	411	231	805	161
Grp Sat Flow(s),veh/h/ln	1755	1805	1573	1755	1805	1715	1755	1805	1583	1755	1805	1583
Q Serve(g_s), s	2.6	5.3	8.1	9.9	20.8	20.8	6.0	12.3	16.1	6.4	16.7	6.6
Cycle Q Clear(g_c), s	2.6	5.3	8.1	9.9	20.8	20.8	6.0	12.3	16.1	6.4	16.7	6.6
Prop In Lane	1.00		1.00	1.00		0.53	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	164	703	438	450	499	474	287	1477	854	302	1492	655
V/C Ratio(X)	0.57	0.32	0.37	0.80	0.81	0.82	0.75	0.43	0.48	0.77	0.54	0.25
Avail Cap(c_a), veh/h	372	1113	617	727	739	702	372	1477	854	372	1492	655
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	46.2	34.2	28.8	41.9	33.4	33.5	44.5	20.9	14.3	44.3	21.9	19.0
Incr Delay (d2), s/veh	3.1	0.3	0.5	3.3	4.4	4.7	6.1	0.9	1.9	7.3	1.4	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	2.3	3.0	4.3	9.3	8.9	2.7	5.0	5.7	3.0	6.8	2.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	49.3	34.5	29.3	45.2	37.8	38.2	50.6	21.8	16.2	51.6	23.3	19.9
LnGrp LOS	D	C	C	D	D	D	D	C	B	D	C	B
Approach Vol, veh/h		479			1152			1255			1197	
Approach Delay, s/veh		35.6			40.2			24.9			28.3	
Approach LOS		D			D			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.0	45.0	17.2	23.8	12.6	45.4	9.1	31.8
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	40.5	20.5	30.5	10.5	40.5	10.5	40.5
Max Q Clear Time (g_c+I1), s	8.4	18.1	11.9	10.1	8.0	18.7	4.6	22.8
Green Ext Time (p_c), s	0.2	5.5	0.8	1.8	0.2	5.8	0.1	4.5

Intersection Summary	
HCM 6th Ctrl Delay	31.5
HCM 6th LOS	C

Intersection	
Intersection Delay, s/veh	22.7
Intersection LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	292	0	0	11	585	25	286	8	0	0	16	161
Future Vol, veh/h	292	0	0	11	585	25	286	8	0	0	16	161
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	307	0	0	12	616	26	301	8	0	0	17	169
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	27.4	22.6	23.1	14.8
HCM LOS	D	C	C	B

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	97%	100%	0%	4%	0%	0%
Vol Thru, %	3%	0%	100%	96%	92%	9%
Vol Right, %	0%	0%	0%	0%	8%	91%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	294	292	0	304	318	177
LT Vol	286	292	0	11	0	0
Through Vol	8	0	0	293	293	16
RT Vol	0	0	0	0	25	161
Lane Flow Rate	309	307	0	319	334	186
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.641	0.692	0	0.646	0.66	0.38
Departure Headway (Hd)	7.555	8.207	7.69	7.283	7.108	7.335
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	480	443	0	498	505	494
Service Time	5.555	5.907	5.39	4.983	4.907	5.342
HCM Lane V/C Ratio	0.644	0.693	0	0.641	0.661	0.377
HCM Control Delay	23.1	27.4	10.4	22.3	22.8	14.8
HCM Lane LOS	C	D	N	C	C	B
HCM 95th-tile Q	4.4	5.2	0	4.5	4.8	1.8

Intersection	
Int Delay, s/veh	4.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	191	145	91	19	5	75
Future Vol, veh/h	191	145	91	19	5	75
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	81	81	81	81	81	81
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	236	179	112	23	6	93

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	135	0	-	0	763	112
Stage 1	-	-	-	-	112	-
Stage 2	-	-	-	-	651	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1462	-	-	-	375	947
Stage 1	-	-	-	-	918	-
Stage 2	-	-	-	-	523	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1462	-	-	-	315	947
Mov Cap-2 Maneuver	-	-	-	-	315	-
Stage 1	-	-	-	-	770	-
Stage 2	-	-	-	-	523	-

Approach	EB	WB	SB
HCM Control Delay, s	4.5	0	9.8
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1462	-	-	-	841
HCM Lane V/C Ratio	0.161	-	-	-	0.117
HCM Control Delay (s)	7.9	-	-	-	9.8
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0.6	-	-	-	0.4

Intersection	
Int Delay, s/veh	2.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	60	71	89	49	9	25
Future Vol, veh/h	60	71	89	49	9	25
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	76	90	113	62	11	32

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	175	0	-	0	355	113
Stage 1	-	-	-	-	113	-
Stage 2	-	-	-	-	242	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1414	-	-	-	647	945
Stage 1	-	-	-	-	917	-
Stage 2	-	-	-	-	803	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1414	-	-	-	612	945
Mov Cap-2 Maneuver	-	-	-	-	612	-
Stage 1	-	-	-	-	867	-
Stage 2	-	-	-	-	803	-

Approach	EB	WB	SB
HCM Control Delay, s	3.5	0	9.6
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1414	-	-	-	826
HCM Lane V/C Ratio	0.054	-	-	-	0.052
HCM Control Delay (s)	7.7	-	-	-	9.6
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0.2	-	-	-	0.2

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	78	147	0	0	0
Future Vol, veh/h	0	78	147	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	100	188	0	0	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	188	0	-	0	288	188
Stage 1	-	-	-	-	188	-
Stage 2	-	-	-	-	100	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1398	-	-	-	707	859
Stage 1	-	-	-	-	849	-
Stage 2	-	-	-	-	929	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1398	-	-	-	707	859
Mov Cap-2 Maneuver	-	-	-	-	707	-
Stage 1	-	-	-	-	849	-
Stage 2	-	-	-	-	929	-

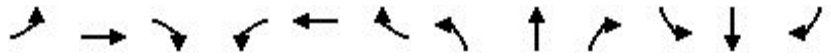
Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1398	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	0
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	-

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	458	505	0	1377	557	0
Future Volume (veh/h)	458	505	0	1377	557	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	472	521	0	1420	574	0
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	622	553	0	1549	1549	0
Arrive On Green	0.34	0.34	0.00	0.43	0.86	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	472	521	0	1420	574	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	12.7	17.3	0.0	20.4	1.8	0.0
Cycle Q Clear(g_c), s	12.7	17.3	0.0	20.4	1.8	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	622	553	0	1549	1549	0
V/C Ratio(X)	0.76	0.94	0.00	0.92	0.37	0.00
Avail Cap(c_a), veh/h	622	553	0	1549	1549	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	2.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.78	0.00
Uniform Delay (d), s/veh	16.0	17.5	0.0	14.8	2.4	0.0
Incr Delay (d2), s/veh	5.4	24.6	0.0	10.1	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.1	8.7	0.0	8.2	0.5	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	21.4	42.1	0.0	24.9	2.9	0.0
LnGrp LOS	C	D	A	C	A	A
Approach Vol, veh/h	993			1420	574	
Approach Delay, s/veh	32.3			24.9	2.9	
Approach LOS	C			C	A	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		30.0		25.0		30.0
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		23.6		18.9		23.6
Max Q Clear Time (g_c+I1), s		22.4		19.3		3.8
Green Ext Time (p_c), s		1.0		0.0		3.4

Intersection Summary		
HCM 6th Ctrl Delay	23.1	
HCM 6th LOS	C	



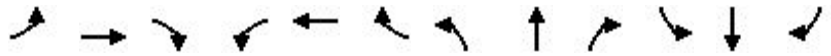
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	232	1445	146	592	558	317
Future Volume (veh/h)	0	0	0	0	0	0	232	1445	146	592	558	317
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.97	1.00		0.97
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							237	1474	149	604	569	323
Peak Hour Factor							0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							1464	2041	617	1357	797	452
Arrive On Green							0.83	0.79	0.79	0.39	0.36	0.36
Sat Flow, veh/h							3510	5187	1568	3510	2196	1245
Grp Volume(v), veh/h							237	1474	149	604	468	424
Grp Sat Flow(s),veh/h/ln							1755	1729	1568	1755	1805	1636
Q Serve(g_s), s							0.7	7.7	1.4	7.0	12.3	12.3
Cycle Q Clear(g_c), s							0.7	7.7	1.4	7.0	12.3	12.3
Prop In Lane							1.00		1.00	1.00		0.76
Lane Grp Cap(c), veh/h							1464	2041	617	1357	655	594
V/C Ratio(X)							0.16	0.72	0.24	0.45	0.71	0.71
Avail Cap(c_a), veh/h							1464	3169	958	1357	1103	999
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.40	0.40	0.40	1.00	1.00	1.00
Uniform Delay (d), s/veh							2.7	4.4	3.7	12.5	15.1	15.1
Incr Delay (d2), s/veh							0.0	0.9	0.4	0.1	6.5	7.2
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							0.2	1.3	0.4	2.1	5.1	4.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							2.7	5.3	4.1	12.6	21.6	22.3
LnGrp LOS							A	A	A	B	C	C
Approach Vol, veh/h								1860			1496	
Approach Delay, s/veh								4.9			18.2	
Approach LOS								A			B	

Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	37.0	28.0		28.6	26.4
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	9.3	* 34		9.3	* 34
Max Q Clear Time (g_c+I1), s	9.0	9.7		2.7	14.3
Green Ext Time (p_c), s	0.1	11.6		0.2	5.3

Intersection Summary	
HCM 6th Ctrl Delay	10.8
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	218	655	325	482	550	143	199	801	415	150	624	139
Future Volume (veh/h)	218	655	325	482	550	143	199	801	415	150	624	139
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	229	689	342	507	579	151	209	843	437	158	657	146
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	290	856	498	575	898	234	271	1356	858	220	1304	572
Arrive On Green	0.08	0.24	0.24	0.16	0.32	0.32	0.08	0.38	0.38	0.06	0.36	0.36
Sat Flow, veh/h	3510	3610	1575	3510	2823	734	3510	3610	1582	3510	3610	1583
Grp Volume(v), veh/h	229	689	342	507	370	360	209	843	437	158	657	146
Grp Sat Flow(s),veh/h/ln	1755	1805	1575	1755	1805	1752	1755	1805	1582	1755	1805	1583
Q Serve(g_s), s	7.2	20.2	21.3	15.8	19.7	19.8	6.5	21.3	19.7	5.0	15.9	7.3
Cycle Q Clear(g_c), s	7.2	20.2	21.3	15.8	19.7	19.8	6.5	21.3	19.7	5.0	15.9	7.3
Prop In Lane	1.00		1.00	1.00		0.42	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	290	856	498	575	574	557	271	1356	858	220	1304	572
V/C Ratio(X)	0.79	0.81	0.69	0.88	0.64	0.65	0.77	0.62	0.51	0.72	0.50	0.26
Avail Cap(c_a), veh/h	329	982	553	642	652	633	329	1356	858	329	1304	572
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	50.5	40.3	33.7	45.8	32.8	32.8	50.7	28.5	16.4	51.6	28.0	25.2
Incr Delay (d2), s/veh	10.9	4.4	3.1	12.6	1.8	1.9	8.8	2.2	2.2	4.3	1.4	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	9.2	8.3	7.7	8.6	8.4	3.1	9.1	7.2	2.3	6.8	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	61.4	44.7	36.8	58.4	34.6	34.7	59.6	30.6	18.6	55.9	29.3	26.3
LnGrp LOS	E	D	D	E	C	C	E	C	B	E	C	C
Approach Vol, veh/h		1260			1237			1489			961	
Approach Delay, s/veh		45.6			44.4			31.2			33.2	
Approach LOS		D			D			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.5	46.6	22.9	31.1	13.2	45.0	13.8	40.2
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	40.5	20.5	30.5	10.5	40.5	10.5	40.5
Max Q Clear Time (g_c+I1), s	7.0	23.3	17.8	23.3	8.5	17.9	9.2	21.8
Green Ext Time (p_c), s	0.1	6.6	0.5	3.2	0.1	4.6	0.1	4.1

Intersection Summary	
HCM 6th Ctrl Delay	38.5
HCM 6th LOS	D

Intersection	
Intersection Delay, s/veh	23.3
Intersection LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	139	0	0	4	370	14	285	7	0	0	30	440
Future Vol, veh/h	139	0	0	4	370	14	285	7	0	0	30	440
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	148	0	0	4	394	15	303	7	0	0	32	468
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	16.2	15.9	21.4	32.8
HCM LOS	C	C	C	D

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	98%	100%	0%	2%	0%	0%
Vol Thru, %	2%	0%	100%	98%	93%	6%
Vol Right, %	0%	0%	0%	0%	7%	94%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	292	139	0	189	199	470
LT Vol	285	139	0	4	0	0
Through Vol	7	0	0	185	185	30
RT Vol	0	0	0	0	14	440
Lane Flow Rate	311	148	0	201	212	500
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.623	0.358	0	0.42	0.439	0.836
Departure Headway (Hd)	7.223	8.718	8.199	7.633	7.571	6.022
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	503	414	0	475	478	595
Service Time	5.223	6.434	5.914	5.333	5.271	4.12
HCM Lane V/C Ratio	0.618	0.357	0	0.423	0.444	0.84
HCM Control Delay	21.4	16.2	10.9	15.7	16.1	32.8
HCM Lane LOS	C	C	N	C	C	D
HCM 95th-tile Q	4.2	1.6	0	2	2.2	8.8

Intersection	
Int Delay, s/veh	3.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	18	115	369	3	17	136
Future Vol, veh/h	18	115	369	3	17	136
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	21	137	439	4	20	162

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	443	0	-	0	618	439
Stage 1	-	-	-	-	439	-
Stage 2	-	-	-	-	179	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1128	-	-	-	456	622
Stage 1	-	-	-	-	654	-
Stage 2	-	-	-	-	857	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1128	-	-	-	447	622
Mov Cap-2 Maneuver	-	-	-	-	447	-
Stage 1	-	-	-	-	642	-
Stage 2	-	-	-	-	857	-

Approach	EB	WB	SB
HCM Control Delay, s	1.1	0	13.7
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1128	-	-	-	596
HCM Lane V/C Ratio	0.019	-	-	-	0.306
HCM Control Delay (s)	8.3	-	-	-	13.7
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	1.3

Intersection	
Int Delay, s/veh	2.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	26	114	303	20	46	59
Future Vol, veh/h	26	114	303	20	46	59
Conflicting Peds, #/hr	2	0	0	2	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	30	131	348	23	53	68

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	373	0	-	0	541	350
Stage 1	-	-	-	-	350	-
Stage 2	-	-	-	-	191	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1197	-	-	-	506	698
Stage 1	-	-	-	-	718	-
Stage 2	-	-	-	-	846	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1195	-	-	-	491	697
Mov Cap-2 Maneuver	-	-	-	-	491	-
Stage 1	-	-	-	-	699	-
Stage 2	-	-	-	-	844	-

Approach	EB	WB	SB
HCM Control Delay, s	1.5	0	12.7
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1195	-	-	-	589
HCM Lane V/C Ratio	0.025	-	-	-	0.205
HCM Control Delay (s)	8.1	-	-	-	12.7
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0.8

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	161	327	1	0	0
Future Vol, veh/h	0	161	327	1	0	0
Conflicting Peds, #/hr	1	0	0	1	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	206	419	1	0	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	421	0	-	0	627	421
Stage 1	-	-	-	-	421	-
Stage 2	-	-	-	-	206	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1149	-	-	-	451	637
Stage 1	-	-	-	-	667	-
Stage 2	-	-	-	-	833	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1148	-	-	-	450	636
Mov Cap-2 Maneuver	-	-	-	-	450	-
Stage 1	-	-	-	-	666	-
Stage 2	-	-	-	-	832	-

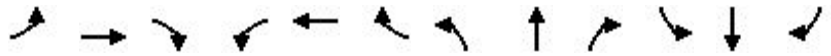
Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1148	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	0
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	-

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	487	441	0	1289	507	0
Future Volume (veh/h)	487	441	0	1289	507	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	513	464	0	1357	534	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	586	522	0	1620	1620	0
Arrive On Green	0.32	0.32	0.00	0.45	0.15	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	513	464	0	1357	534	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	14.7	15.1	0.0	18.3	7.3	0.0
Cycle Q Clear(g_c), s	14.7	15.1	0.0	18.3	7.3	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	586	522	0	1620	1620	0
V/C Ratio(X)	0.87	0.89	0.00	0.84	0.33	0.00
Avail Cap(c_a), veh/h	622	553	0	1620	1620	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	0.33	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.87	0.00
Uniform Delay (d), s/veh	17.5	17.7	0.0	13.4	16.0	0.0
Incr Delay (d2), s/veh	12.7	15.7	0.0	5.3	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.9	6.7	0.0	6.5	2.7	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	30.2	33.4	0.0	18.7	16.5	0.0
LnGrp LOS	C	C	A	B	B	A
Approach Vol, veh/h	977			1357	534	
Approach Delay, s/veh	31.7			18.7	16.5	
Approach LOS	C			B	B	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		31.1		23.9		31.1
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		23.6		18.9		23.6
Max Q Clear Time (g_c+I1), s		20.3		17.1		9.3
Green Ext Time (p_c), s		2.4		0.8		2.7

Intersection Summary		
HCM 6th Ctrl Delay		22.7
HCM 6th LOS		C



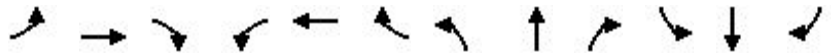
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	292	1340	139	521	511	270
Future Volume (veh/h)	0	0	0	0	0	0	292	1340	139	521	511	270
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.98	1.00		0.97
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							301	1381	143	537	527	278
Peak Hour Factor							0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							1572	1954	591	1416	752	395
Arrive On Green							0.90	0.75	0.75	0.40	0.33	0.33
Sat Flow, veh/h							3510	5187	1570	3510	2264	1190
Grp Volume(v), veh/h							301	1381	143	537	420	385
Grp Sat Flow(s),veh/h/ln							1755	1729	1570	1755	1805	1649
Q Serve(g_s), s							0.6	7.7	1.5	5.9	11.1	11.2
Cycle Q Clear(g_c), s							0.6	7.7	1.5	5.9	11.1	11.2
Prop In Lane							1.00		1.00	1.00		0.72
Lane Grp Cap(c), veh/h							1572	1954	591	1416	599	548
V/C Ratio(X)							0.19	0.71	0.24	0.38	0.70	0.70
Avail Cap(c_a), veh/h							1572	3169	959	1416	1103	1007
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.41	0.41	0.41	1.00	1.00	1.00
Uniform Delay (d), s/veh							1.6	5.2	4.4	11.6	16.0	16.0
Incr Delay (d2), s/veh							0.0	0.9	0.4	0.1	6.7	7.4
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							0.1	1.4	0.4	1.8	4.8	4.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							1.6	6.1	4.8	11.6	22.7	23.4
LnGrp LOS							A	A	A	B	C	C
Approach Vol, veh/h								1825			1342	
Approach Delay, s/veh								5.2			18.5	
Approach LOS								A			B	

Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	7.9	27.1		30.3	24.7
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	9.3	* 34		9.3	* 34
Max Q Clear Time (g_c+I1), s	7.9	9.7		2.6	13.2
Green Ext Time (p_c), s	0.2	10.7		0.3	4.7

Intersection Summary	
HCM 6th Ctrl Delay	10.8
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	91	236	157	368	578	206	212	615	476	241	789	158
Future Volume (veh/h)	91	236	157	368	578	206	212	615	476	241	789	158
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	93	241	160	376	590	210	216	628	486	246	805	161
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	162	693	433	465	722	256	287	1464	855	315	1494	655
Arrive On Green	0.05	0.19	0.19	0.13	0.28	0.28	0.08	0.41	0.41	0.09	0.41	0.41
Sat Flow, veh/h	3510	3610	1573	3510	2596	922	3510	3610	1583	3510	3610	1583
Grp Volume(v), veh/h	93	241	160	376	410	390	216	628	486	246	805	161
Grp Sat Flow(s),veh/h/ln	1755	1805	1573	1755	1805	1713	1755	1805	1583	1755	1805	1583
Q Serve(g_s), s	2.6	5.8	8.2	10.4	21.2	21.3	6.0	12.5	20.4	6.8	16.8	6.6
Cycle Q Clear(g_c), s	2.6	5.8	8.2	10.4	21.2	21.3	6.0	12.5	20.4	6.8	16.8	6.6
Prop In Lane	1.00		1.00	1.00		0.54	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	162	693	433	465	502	476	287	1464	855	315	1494	655
V/C Ratio(X)	0.57	0.35	0.37	0.81	0.82	0.82	0.75	0.43	0.57	0.78	0.54	0.25
Avail Cap(c_a), veh/h	369	1102	612	721	732	695	369	1464	855	369	1494	655
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	46.7	34.9	29.3	42.1	33.7	33.7	44.9	21.4	15.4	44.5	22.1	19.1
Incr Delay (d2), s/veh	3.2	0.3	0.5	3.9	4.7	5.0	6.4	0.9	2.7	8.9	1.4	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	2.5	3.1	4.6	9.5	9.1	2.8	5.1	7.3	3.3	6.9	2.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	49.8	35.2	29.9	46.0	38.3	38.7	51.2	22.3	18.1	53.3	23.5	20.0
LnGrp LOS	D	D	C	D	D	D	D	C	B	D	C	C
Approach Vol, veh/h		494			1176			1330			1212	
Approach Delay, s/veh		36.2			40.9			25.5			29.1	
Approach LOS		D			D			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.5	45.0	17.7	23.7	12.7	45.8	9.1	32.3
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	40.5	20.5	30.5	10.5	40.5	10.5	40.5
Max Q Clear Time (g_c+I1), s	8.8	22.4	12.4	10.2	8.0	18.8	4.6	23.3
Green Ext Time (p_c), s	0.1	5.5	0.8	1.9	0.2	5.7	0.1	4.5

Intersection Summary	
HCM 6th Ctrl Delay	32.1
HCM 6th LOS	C

Intersection	
Intersection Delay, s/veh	39.3
Intersection LOS	E

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	395	0	0	11	585	25	286	8	0	0	16	183
Future Vol, veh/h	395	0	0	11	585	25	286	8	0	0	16	183
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	416	0	0	12	616	26	301	8	0	0	17	193
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	72.3	29.3	30.3	18.6
HCM LOS	F	D	D	C

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	97%	100%	0%	4%	0%	0%
Vol Thru, %	3%	0%	100%	96%	92%	8%
Vol Right, %	0%	0%	0%	0%	8%	92%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	294	395	0	304	318	199
LT Vol	286	395	0	11	0	0
Through Vol	8	0	0	293	293	16
RT Vol	0	0	0	0	25	183
Lane Flow Rate	309	416	0	319	334	209
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.72	0.994	0	0.712	0.738	0.477
Departure Headway (Hd)	8.372	8.604	8.086	8.025	7.949	8.2
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	430	420	0	447	455	438
Service Time	6.447	6.373	5.854	5.807	5.731	6.292
HCM Lane V/C Ratio	0.719	0.99	0	0.714	0.734	0.477
HCM Control Delay	30.3	72.3	10.9	28.4	30.2	18.6
HCM Lane LOS	D	F	N	D	D	C
HCM 95th-tile Q	5.6	12.3	0	5.5	6	2.5

Intersection	
Int Delay, s/veh	3.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	191	248	113	19	5	75
Future Vol, veh/h	191	248	113	19	5	75
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	81	81	81	81	81	81
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	236	306	140	23	6	93

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	163	0	-	0	918	140
Stage 1	-	-	-	-	140	-
Stage 2	-	-	-	-	778	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1428	-	-	-	304	913
Stage 1	-	-	-	-	892	-
Stage 2	-	-	-	-	456	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1428	-	-	-	254	913
Mov Cap-2 Maneuver	-	-	-	-	254	-
Stage 1	-	-	-	-	745	-
Stage 2	-	-	-	-	456	-

Approach	EB	WB	SB
HCM Control Delay, s	3.5	0	10.2
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1428	-	-	-	786
HCM Lane V/C Ratio	0.165	-	-	-	0.126
HCM Control Delay (s)	8	-	-	-	10.2
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.6	-	-	-	0.4

Intersection	
Int Delay, s/veh	1.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	60	174	111	49	9	25
Future Vol, veh/h	60	174	111	49	9	25
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	76	220	141	62	11	32

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	203	0	-	0	513	141
Stage 1	-	-	-	-	141	-
Stage 2	-	-	-	-	372	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1381	-	-	-	525	912
Stage 1	-	-	-	-	891	-
Stage 2	-	-	-	-	702	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1381	-	-	-	496	912
Mov Cap-2 Maneuver	-	-	-	-	496	-
Stage 1	-	-	-	-	842	-
Stage 2	-	-	-	-	702	-

Approach	EB	WB	SB
HCM Control Delay, s	2	0	10.1
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1381	-	-	-	746
HCM Lane V/C Ratio	0.055	-	-	-	0.058
HCM Control Delay (s)	7.8	-	-	-	10.1
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.2	-	-	-	0.2

Intersection	
Int Delay, s/veh	2.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	103	78	147	18	4	22
Future Vol, veh/h	103	78	147	18	4	22
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	132	100	188	23	5	28

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	211	0	-	0	564	200
Stage 1	-	-	-	-	200	-
Stage 2	-	-	-	-	364	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1372	-	-	-	490	846
Stage 1	-	-	-	-	838	-
Stage 2	-	-	-	-	707	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1372	-	-	-	440	846
Mov Cap-2 Maneuver	-	-	-	-	440	-
Stage 1	-	-	-	-	753	-
Stage 2	-	-	-	-	707	-

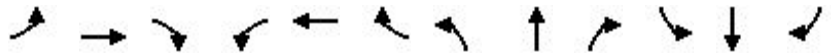
Approach	EB	WB	SB
HCM Control Delay, s	4.5	0	10.1
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1372	-	-	-	741
HCM Lane V/C Ratio	0.096	-	-	-	0.045
HCM Control Delay (s)	7.9	0	-	-	10.1
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.3	-	-	-	0.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	475	505	0	1378	560	0
Future Volume (veh/h)	475	505	0	1378	560	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	490	521	0	1421	577	0
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	622	553	0	1549	1549	0
Arrive On Green	0.34	0.34	0.00	0.43	0.86	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	490	521	0	1421	577	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	13.4	17.3	0.0	20.4	1.8	0.0
Cycle Q Clear(g_c), s	13.4	17.3	0.0	20.4	1.8	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	622	553	0	1549	1549	0
V/C Ratio(X)	0.79	0.94	0.00	0.92	0.37	0.00
Avail Cap(c_a), veh/h	622	553	0	1549	1549	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	2.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.76	0.00
Uniform Delay (d), s/veh	16.2	17.5	0.0	14.8	2.4	0.0
Incr Delay (d2), s/veh	6.7	24.6	0.0	10.1	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.5	8.7	0.0	8.2	0.5	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	23.0	42.1	0.0	24.9	2.9	0.0
LnGrp LOS	C	D	A	C	A	A
Approach Vol, veh/h	1011			1421	577	
Approach Delay, s/veh	32.8			24.9	2.9	
Approach LOS	C			C	A	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		30.0		25.0		30.0
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		23.6		18.9		23.6
Max Q Clear Time (g_c+I1), s		22.4		19.3		3.8
Green Ext Time (p_c), s		1.0		0.0		3.4

Intersection Summary		
HCM 6th Ctrl Delay	23.4	
HCM 6th LOS	C	



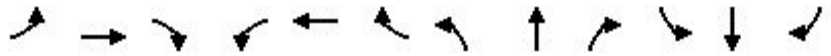
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	232	1463	146	592	561	383
Future Volume (veh/h)	0	0	0	0	0	0	232	1463	146	592	561	383
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.97	1.00		0.97
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							237	1493	149	604	572	391
Peak Hour Factor							0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							1377	2057	622	1346	786	537
Arrive On Green							0.78	0.79	0.79	0.38	0.39	0.39
Sat Flow, veh/h							3510	5187	1569	3510	2027	1385
Grp Volume(v), veh/h							237	1493	149	604	509	454
Grp Sat Flow(s),veh/h/ln							1755	1729	1569	1755	1805	1607
Q Serve(g_s), s							0.9	7.7	1.3	7.0	13.2	13.2
Cycle Q Clear(g_c), s							0.9	7.7	1.3	7.0	13.2	13.2
Prop In Lane							1.00		1.00	1.00		0.86
Lane Grp Cap(c), veh/h							1377	2057	622	1346	700	623
V/C Ratio(X)							0.17	0.73	0.24	0.45	0.73	0.73
Avail Cap(c_a), veh/h							1377	3169	958	1346	1103	982
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.38	0.38	0.38	1.00	1.00	1.00
Uniform Delay (d), s/veh							3.7	4.2	3.6	12.6	14.4	14.4
Incr Delay (d2), s/veh							0.0	0.9	0.3	0.1	6.5	7.3
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							0.2	1.2	0.4	2.2	5.4	4.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							3.7	5.1	3.9	12.7	20.9	21.7
LnGrp LOS							A	A	A	B	C	C
Approach Vol, veh/h								1879			1567	
Approach Delay, s/veh								4.8			18.0	
Approach LOS								A			B	

Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	26.8	28.2		27.3	27.7
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	9.3	* 34		9.3	* 34
Max Q Clear Time (g_c+I1), s	9.0	9.7		2.9	15.2
Green Ext Time (p_c), s	0.0	11.8		0.2	5.7

Intersection Summary	
HCM 6th Ctrl Delay	10.8
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	218	659	325	551	564	157	199	801	433	154	624	139
Future Volume (veh/h)	218	659	325	551	564	157	199	801	433	154	624	139
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	229	694	342	580	594	165	209	843	456	162	657	146
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	289	849	494	627	921	255	269	1321	866	223	1274	559
Arrive On Green	0.08	0.24	0.24	0.18	0.33	0.33	0.08	0.37	0.37	0.06	0.35	0.35
Sat Flow, veh/h	3510	3610	1575	3510	2780	770	3510	3610	1581	3510	3610	1583
Grp Volume(v), veh/h	229	694	342	580	385	374	209	843	456	162	657	146
Grp Sat Flow(s),veh/h/ln	1755	1805	1575	1755	1805	1745	1755	1805	1581	1755	1805	1583
Q Serve(g_s), s	7.4	20.9	21.9	18.7	20.8	20.9	6.7	22.2	21.2	5.2	16.5	7.5
Cycle Q Clear(g_c), s	7.4	20.9	21.9	18.7	20.8	20.9	6.7	22.2	21.2	5.2	16.5	7.5
Prop In Lane	1.00		1.00	1.00		0.44	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	289	849	494	627	598	578	269	1321	866	223	1274	559
V/C Ratio(X)	0.79	0.82	0.69	0.93	0.64	0.65	0.78	0.64	0.53	0.73	0.52	0.26
Avail Cap(c_a), veh/h	321	959	542	627	637	616	321	1321	866	321	1274	559
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	51.7	41.6	34.7	46.4	32.6	32.6	52.0	30.1	16.7	52.8	29.4	26.5
Incr Delay (d2), s/veh	11.7	5.1	3.4	19.8	2.0	2.2	9.5	2.4	2.3	4.6	1.5	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.6	9.6	8.6	9.7	9.1	8.9	3.2	9.6	7.7	2.4	7.1	3.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	63.5	46.7	38.1	66.1	34.7	34.8	61.6	32.5	19.0	57.4	30.9	27.6
LnGrp LOS	E	D	D	E	C	C	E	C	B	E	C	C
Approach Vol, veh/h		1265			1339			1508			965	
Approach Delay, s/veh		47.4			48.3			32.4			34.8	
Approach LOS		D			D			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.8	46.5	25.0	31.5	13.3	45.0	13.9	42.5
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	40.5	20.5	30.5	10.5	40.5	10.5	40.5
Max Q Clear Time (g_c+I1), s	7.2	24.2	20.7	23.9	8.7	18.5	9.4	22.9
Green Ext Time (p_c), s	0.1	6.5	0.0	3.1	0.1	4.6	0.1	4.2

Intersection Summary	
HCM 6th Ctrl Delay	40.8
HCM 6th LOS	D

Intersection	
Intersection Delay, s/veh	45
Intersection LOS	E

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	165	0	0	4	370	14	285	7	0	0	30	538
Future Vol, veh/h	165	0	0	4	370	14	285	7	0	0	30	538
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	176	0	0	4	394	15	303	7	0	0	32	572
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	19	17.6	24.5	81.9
HCM LOS	C	C	C	F

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	98%	100%	0%	2%	0%	0%
Vol Thru, %	2%	0%	100%	98%	93%	5%
Vol Right, %	0%	0%	0%	0%	7%	95%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	292	165	0	189	199	568
LT Vol	285	165	0	4	0	0
Through Vol	7	0	0	185	185	30
RT Vol	0	0	0	0	14	538
Lane Flow Rate	311	176	0	201	212	604
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.655	0.433	0	0.445	0.465	1.067
Departure Headway (Hd)	7.851	9.321	8.798	8.251	8.189	6.356
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	463	390	0	440	442	574
Service Time	5.851	7.021	6.498	5.951	5.889	4.39
HCM Lane V/C Ratio	0.672	0.451	0	0.457	0.48	1.052
HCM Control Delay	24.5	19	11.5	17.4	17.8	81.9
HCM Lane LOS	C	C	N	C	C	F
HCM 95th-tile Q	4.6	2.1	0	2.2	2.4	17.6

Intersection	
Int Delay, s/veh	3.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	18	141	467	3	17	136
Future Vol, veh/h	18	141	467	3	17	136
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	21	168	556	4	20	162

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	560	0	-	0	766	556
Stage 1	-	-	-	-	556	-
Stage 2	-	-	-	-	210	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1021	-	-	-	374	534
Stage 1	-	-	-	-	578	-
Stage 2	-	-	-	-	830	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1021	-	-	-	366	534
Mov Cap-2 Maneuver	-	-	-	-	366	-
Stage 1	-	-	-	-	566	-
Stage 2	-	-	-	-	830	-

Approach	EB	WB	SB
HCM Control Delay, s	1	0	16
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1021	-	-	-	508
HCM Lane V/C Ratio	0.021	-	-	-	0.359
HCM Control Delay (s)	8.6	-	-	-	16
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	1.6

Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	26	140	401	20	46	59
Future Vol, veh/h	26	140	401	20	46	59
Conflicting Peds, #/hr	2	0	0	2	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	30	161	461	23	53	68

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	486	0	-	0	684	463
Stage 1	-	-	-	-	463	-
Stage 2	-	-	-	-	221	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1087	-	-	-	417	603
Stage 1	-	-	-	-	638	-
Stage 2	-	-	-	-	821	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1085	-	-	-	404	602
Mov Cap-2 Maneuver	-	-	-	-	404	-
Stage 1	-	-	-	-	619	-
Stage 2	-	-	-	-	819	-

Approach	EB	WB	SB
HCM Control Delay, s	1.3	0	14.6
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1085	-	-	-	496
HCM Lane V/C Ratio	0.028	-	-	-	0.243
HCM Control Delay (s)	8.4	-	-	-	14.6
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0.9

Intersection	
Int Delay, s/veh	2.8

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	26	161	327	5	18	98
Future Vol, veh/h	26	161	327	5	18	98
Conflicting Peds, #/hr	1	0	0	1	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	33	206	419	6	23	126

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	426	0	-	0	695	423
Stage 1	-	-	-	-	423	-
Stage 2	-	-	-	-	272	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1144	-	-	-	411	635
Stage 1	-	-	-	-	665	-
Stage 2	-	-	-	-	778	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1143	-	-	-	397	634
Mov Cap-2 Maneuver	-	-	-	-	397	-
Stage 1	-	-	-	-	642	-
Stage 2	-	-	-	-	777	-

Approach	EB	WB	SB
HCM Control Delay, s	1.1	0	13.3
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1143	-	-	-	580
HCM Lane V/C Ratio	0.029	-	-	-	0.256
HCM Control Delay (s)	8.2	0	-	-	13.3
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	1

Appendix F
Cumulative Projects Information

		Southwest Signal Building				Lantern Crest Ridge II				Habitat for Humanity Townhomes				Santee Auto Center				Popeyes				Super Star Car Wash				Extra Space Storage				Hillside Meadows/Parkside				Total	
		% Distributed		AM	PM	% Distributed		AM	PM	% Distributed		AM	PM	% Distributed		AM	PM	% Distributed		AM	PM	% Distributed		AM	PM	% Distributed		AM	PM	% Distributed		AM	PM	AM	PM
	Movement	In	Out			In	Out			In	Out			In	Out			In	Out			In	Out			In	Out			In	Out				
Magnolia Avenue/SR-52 eastbound off-ramp	NBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	NBT			0	0		40%	1	2			0	0			0	0	10%		7	3	20%		4	8	5%		0	0	5%		3	5	15	18
	NBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBT			0	0	20%		1	1			0	0			0	0		10%	4	3		20%	4	8		5%	0	0		5%	4	3	13	15
	SBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	EBL	40%		4	2			0	0	50%		1	5	10%		14	11			0	0			0	0	25%		2	2	10%		5	11	26	31
	EBT			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	EBR			0	0	20%		1	1			0	0			0	0			0	0			0	0			0	0			0	0	1	1
	WBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBT			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
Magnolia Avenue/SR-52 WB on-ramp - SR-67 SB on-ramp	NBL			0	0		20%	0	1			0	0			0	0			0	0			0	0			0	0			0	0	0	1
	NBT	40%		4	2		20%	0	1	50%		1	5	10%		14	11	10%		7	3	20%		4	8	30%		2	2	15%		8	16	40	48
	NBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBT			0	0	20%		1	1			0	0			0	0		10%	4	3		20%	4	8		5%	0	0		5%	4	3	13	15
	SBR		40%	2	4			0	0		50%	5	2		10%	6	14			0	0			0	0		25%	1	2		10%	9	6	23	28
	EBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	EBT			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	EBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBT			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
Magnolia Avenue-Mission Gorge Road/Woodside Avenue	NBL			0	0		10%	0	1	50%		1	5	10%		14	11	10%		7	3		30%	5	12			0	0			0	0	27	32
	NBT		50%	2	5		10%	0	1			0	0			0	0			0	0		50%	9	20			0	0	15%		8	16	19	42
	NBR		10%	0	1			0	0			0	0			0	0			0	0			0	0	30%		2	2			0	0	2	3
	SBL			0	0			0	0			0	0			0	0			0	0			0	0	25%		2	2		3%	3	2	5	4
	SBT	50%		5	3	10%		0	1			0	0			0	0			0	0	50%		9	21			0	0		15%	13	8	27	33
	SBR			0	0			0	0	10%		0	1	10%		14	11	10%		7	3			0	0			0	0		12%	10	7	31	22
	EBL			0	0			0	0		10%	1	0		10%	6	14		10%	4	3			0	0			0	0	12%		6	13	17	30
	EBT			0	0			0	0		10%	1	0		10%	6	14		10%	4	3			0	0	25%		2	2			0	0	13	19
	EBR			0	0	10%		0	1		50%	5	2		10%	6	14		10%	4	3	30%		5	12			0	0			0	0	20	32
	WBL	10%		1	1			0	0			0	0			0	0			0	0			0	0		30%	2	2			0	0	3	3
	WBT			0	0			0	0	10%		0	1	10%		14	11	10%		7	3			0	0		25%	1	2			0	0	22	17
	WBR			0	0			0	0			0	0			0	0			0	0			0	0		25%	1	2	3%		2	3	3	5
N. Woodside Ave/Woodside Ave – SR 67 SB off-ramp	NBL			0	0			0	0			0	0			0	0			0	0			0	0	10%		1	1			0	0	1	1
	NBT			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	NBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBT			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBR	10%		1	1			0	0	10%		0	1	10%		14	11	10%		7	3			0	0	10%		1	1		1%	1	1	24	18
	EBL		10%	0	1			0	0		10%	1	0		10%	6	14		10%	4	3			0	0		10%	1	1	1%		1	1	13	20
	EBT			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	EBR			0	0			0	0			0	0			0	0			0	0			0	0		10%	1	1			0	0	1	1
	WBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBT			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
Hartley Road/N. Woodside Avenue	NBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	NBT			0	0			0	0			0	0			0	0			0	0			0	0		10%	1	1			0	0	1	1
	NBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBT			0	0			0	0			0	0			0	0			0	0			0	0	10%		1	1			0	0	1	1
	SBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	EBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	EBT		10%	0	1			0	0		10%	1	0		10%	6	14		10%	4	3			0	0			0	0	3%		2	3	13	21
	EBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBT	10%		1	1			0	0	10%		0	1	10%		14	11	10%		7	3			0	0			0	0		3%	3	2	25	18
	WBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
Wheatlands Avenue/N. Woodside Avenue	NBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	NBT			0	0			0	0			0	0			0	0			0	0			0	0		10%	1	1			0	0	1	1
	NBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBT			0	0			0	0			0	0			0	0			0	0			0	0	10%		1	1			0	0	1	1
	SBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	EBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	EBT		10%	0	1			0	0		10%	1	0		10%	6	14		10%	4	3			0	0			0	0	3%		2	3	13	21
	EBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBT	10%		1	1			0	0	10%		0	1	10%		14	11	10%		7	3			0	0			0	0		3%	3	2	25	18
	WBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
Project Access Roadway/N. Woodside Avenue	NBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	NBT			0	0			0	0			0	0			0	0			0	0			0	0		10%	1	1			0	0	1	1
	NBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	SBT			0	0			0	0			0	0			0	0			0	0			0	0	10%		1	1			0	0	1	1
	SBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	EBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	EBT		10%	0	1			0	0		10%	1	0		10%	6	14		10%	4	3			0	0			0	0	3%		2	3	13	21
	EBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBL			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0
	WBT	10%		1	1			0	0	10%		0	1	10%		14	11	10%		7	3			0	0			0	0		3%	3	2	25	18
	WBR			0	0			0	0			0	0			0	0			0	0			0	0			0	0			0	0	0	0

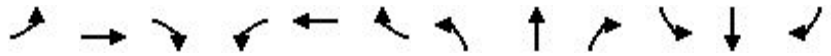
Appendix G

Intersection LOS Worksheets – Near Term Conditions

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	443	442	0	1301	519	0
Future Volume (veh/h)	443	442	0	1301	519	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	466	465	0	1369	546	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	586	522	0	1620	1620	0
Arrive On Green	0.32	0.32	0.00	0.45	0.15	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	466	465	0	1369	546	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	12.9	15.1	0.0	18.5	7.5	0.0
Cycle Q Clear(g_c), s	12.9	15.1	0.0	18.5	7.5	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	586	522	0	1620	1620	0
V/C Ratio(X)	0.79	0.89	0.00	0.84	0.34	0.00
Avail Cap(c_a), veh/h	622	553	0	1620	1620	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	0.33	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.85	0.00
Uniform Delay (d), s/veh	16.9	17.7	0.0	13.5	16.1	0.0
Incr Delay (d2), s/veh	6.7	16.0	0.0	5.6	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.3	6.7	0.0	6.6	2.8	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	23.7	33.7	0.0	19.1	16.6	0.0
LnGrp LOS	C	C	A	B	B	A
Approach Vol, veh/h	931			1369	546	
Approach Delay, s/veh	28.7			19.1	16.6	
Approach LOS	C			B	B	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		31.1		23.9		31.1
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		23.6		18.9		23.6
Max Q Clear Time (g_c+I1), s		20.5		17.1		9.5
Green Ext Time (p_c), s		2.3		0.7		2.8

Intersection Summary	
HCM 6th Ctrl Delay	21.7
HCM 6th LOS	C



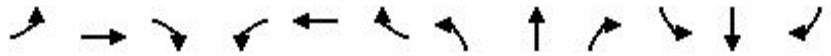
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	292	1307	139	521	523	278
Future Volume (veh/h)	0	0	0	0	0	0	292	1307	139	521	523	278
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.97	1.00		0.97
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							301	1347	143	537	539	287
Peak Hour Factor							0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							1542	1928	583	1434	768	408
Arrive On Green							0.88	0.74	0.74	0.41	0.34	0.34
Sat Flow, veh/h							3510	5187	1568	3510	2254	1197
Grp Volume(v), veh/h							301	1347	143	537	431	395
Grp Sat Flow(s),veh/h/ln							1755	1729	1568	1755	1805	1646
Q Serve(g_s), s							0.7	7.6	1.6	5.9	11.4	11.4
Cycle Q Clear(g_c), s							0.7	7.6	1.6	5.9	11.4	11.4
Prop In Lane							1.00		1.00	1.00		0.73
Lane Grp Cap(c), veh/h							1542	1928	583	1434	615	561
V/C Ratio(X)							0.20	0.70	0.25	0.37	0.70	0.70
Avail Cap(c_a), veh/h							1542	3169	958	1434	1103	1005
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.45	0.45	0.45	1.00	1.00	1.00
Uniform Delay (d), s/veh							1.9	5.4	4.6	11.4	15.7	15.7
Incr Delay (d2), s/veh							0.0	1.0	0.5	0.1	6.6	7.2
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							0.2	1.4	0.4	1.7	4.8	4.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							1.9	6.4	5.1	11.4	22.3	22.9
LnGrp LOS							A	A	A	B	C	C
Approach Vol, veh/h								1791			1363	
Approach Delay, s/veh								5.5			18.2	
Approach LOS								A			B	

Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	38.2	26.8		29.9	25.1
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	9.3	* 34		9.3	* 34
Max Q Clear Time (g_c+I1), s	17.4	9.6		2.7	13.4
Green Ext Time (p_c), s	0.2	10.4		0.3	4.9

Intersection Summary	
HCM 6th Ctrl Delay	11.0
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	108	234	177	356	596	205	239	634	405	231	816	189
Future Volume (veh/h)	108	234	177	356	596	205	239	634	405	231	816	189
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	110	239	181	363	608	209	244	647	413	236	833	193
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	173	733	462	451	740	254	313	1456	845	305	1448	636
Arrive On Green	0.05	0.20	0.20	0.13	0.28	0.28	0.09	0.40	0.40	0.09	0.40	0.40
Sat Flow, veh/h	3510	3610	1572	3510	2623	900	3510	3610	1582	3510	3610	1584
Grp Volume(v), veh/h	110	239	181	363	418	399	244	647	413	236	833	193
Grp Sat Flow(s),veh/h/ln	1755	1805	1572	1755	1805	1718	1755	1805	1582	1755	1805	1584
Q Serve(g_s), s	3.1	5.7	9.3	10.1	21.8	21.9	6.9	13.2	16.7	6.6	18.1	8.4
Cycle Q Clear(g_c), s	3.1	5.7	9.3	10.1	21.8	21.9	6.9	13.2	16.7	6.6	18.1	8.4
Prop In Lane	1.00		1.00	1.00		0.52	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	173	733	462	451	509	484	313	1456	845	305	1448	636
V/C Ratio(X)	0.63	0.33	0.39	0.80	0.82	0.82	0.78	0.44	0.49	0.77	0.58	0.30
Avail Cap(c_a), veh/h	365	1091	618	713	724	689	365	1456	845	365	1448	636
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	47.1	34.3	28.6	42.8	33.9	33.9	45.0	21.9	15.0	45.1	23.5	20.6
Incr Delay (d2), s/veh	3.8	0.3	0.5	3.6	5.2	5.5	9.0	1.0	2.0	8.3	1.7	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.4	2.5	3.4	4.5	9.9	9.4	3.3	5.4	5.9	3.1	7.5	3.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	50.9	34.6	29.1	46.4	39.0	39.4	54.0	22.9	17.0	53.4	25.2	21.8
LnGrp LOS	D	C	C	D	D	D	D	C	B	D	C	C
Approach Vol, veh/h		530			1180			1304			1262	
Approach Delay, s/veh		36.1			41.4			26.8			30.0	
Approach LOS		D			D			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.3	45.2	17.5	25.0	13.5	45.0	9.5	33.0
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	40.5	20.5	30.5	10.5	40.5	10.5	40.5
Max Q Clear Time (g_c+I1), s	8.8	18.7	12.1	11.3	8.9	20.1	5.1	23.9
Green Ext Time (p_c), s	0.1	5.6	0.8	1.9	0.1	6.0	0.1	4.6

Intersection Summary	
HCM 6th Ctrl Delay	32.9
HCM 6th LOS	C

Intersection	
Intersection Delay, s/veh	25.3
Intersection LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	305	0	0	11	585	25	287	8	0	0	16	185
Future Vol, veh/h	305	0	0	11	585	25	287	8	0	0	16	185
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	321	0	0	12	616	26	302	8	0	0	17	195
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	32.2	24.7	25.4	16.4
HCM LOS	D	C	D	C

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	97%	100%	0%	4%	0%	0%
Vol Thru, %	3%	0%	100%	96%	92%	8%
Vol Right, %	0%	0%	0%	0%	8%	92%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	295	305	0	304	318	201
LT Vol	287	305	0	11	0	0
Through Vol	8	0	0	293	293	16
RT Vol	0	0	0	0	25	185
Lane Flow Rate	311	321	0	319	334	212
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.671	0.748	0	0.666	0.69	0.441
Departure Headway (Hd)	7.779	8.386	7.869	7.507	7.432	7.504
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	466	430	0	482	485	480
Service Time	5.826	6.133	5.616	5.257	5.181	5.56
HCM Lane V/C Ratio	0.667	0.747	0	0.662	0.689	0.442
HCM Control Delay	25.4	32.2	10.6	24.1	25.2	16.4
HCM Lane LOS	D	D	N	C	D	C
HCM 95th-tile Q	4.9	6.1	0	4.8	5.2	2.2

Intersection	
Int Delay, s/veh	4.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	191	158	116	19	5	75
Future Vol, veh/h	191	158	116	19	5	75
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	81	81	81	81	81	81
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	236	195	143	23	6	93

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	166	0	-	0	810	143
Stage 1	-	-	-	-	143	-
Stage 2	-	-	-	-	667	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1424	-	-	-	352	910
Stage 1	-	-	-	-	889	-
Stage 2	-	-	-	-	514	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1424	-	-	-	294	910
Mov Cap-2 Maneuver	-	-	-	-	294	-
Stage 1	-	-	-	-	741	-
Stage 2	-	-	-	-	514	-

Approach	EB	WB	SB
HCM Control Delay, s	4.4	0	10.1
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1424	-	-	-	805
HCM Lane V/C Ratio	0.166	-	-	-	0.123
HCM Control Delay (s)	8	-	-	-	10.1
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.6	-	-	-	0.4

Intersection	
Int Delay, s/veh	2.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	60	84	114	49	9	25
Future Vol, veh/h	60	84	114	49	9	25
Conflicting Peds, #/hr	2	0	0	2	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	76	106	144	62	11	32

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	208	0	-	0	404	146
Stage 1	-	-	-	-	146	-
Stage 2	-	-	-	-	258	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1375	-	-	-	606	906
Stage 1	-	-	-	-	886	-
Stage 2	-	-	-	-	790	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1372	-	-	-	570	904
Mov Cap-2 Maneuver	-	-	-	-	570	-
Stage 1	-	-	-	-	835	-
Stage 2	-	-	-	-	788	-

Approach	EB	WB	SB
HCM Control Delay, s	3.2	0	9.9
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1372	-	-	-	783
HCM Lane V/C Ratio	0.055	-	-	-	0.055
HCM Control Delay (s)	7.8	-	-	-	9.9
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0.2	-	-	-	0.2

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	91	172	0	0	0
Future Vol, veh/h	0	91	172	0	0	0
Conflicting Peds, #/hr	1	0	0	1	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	117	221	0	0	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	222	0	-	0	339	222
Stage 1	-	-	-	-	222	-
Stage 2	-	-	-	-	117	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1359	-	-	-	661	823
Stage 1	-	-	-	-	820	-
Stage 2	-	-	-	-	913	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1358	-	-	-	660	822
Mov Cap-2 Maneuver	-	-	-	-	660	-
Stage 1	-	-	-	-	819	-
Stage 2	-	-	-	-	912	-

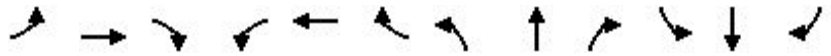
Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1358	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	0
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	-

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	489	506	0	1395	572	0
Future Volume (veh/h)	489	506	0	1395	572	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	504	522	0	1438	590	0
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	622	553	0	1549	1549	0
Arrive On Green	0.34	0.34	0.00	0.43	0.86	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	504	522	0	1438	590	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	13.9	17.3	0.0	20.8	1.9	0.0
Cycle Q Clear(g_c), s	13.9	17.3	0.0	20.8	1.9	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	622	553	0	1549	1549	0
V/C Ratio(X)	0.81	0.94	0.00	0.93	0.38	0.00
Avail Cap(c_a), veh/h	622	553	0	1549	1549	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	2.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.77	0.00
Uniform Delay (d), s/veh	16.4	17.5	0.0	14.9	2.4	0.0
Incr Delay (d2), s/veh	8.0	25.0	0.0	11.2	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.9	8.8	0.0	8.6	0.5	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	24.4	42.5	0.0	26.1	2.9	0.0
LnGrp LOS	C	D	A	C	A	A
Approach Vol, veh/h	1026			1438	590	
Approach Delay, s/veh	33.6			26.1	2.9	
Approach LOS	C			C	A	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		30.0		25.0		30.0
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		23.6		18.9		23.6
Max Q Clear Time (g_c+I1), s		22.8		19.3		3.9
Green Ext Time (p_c), s		0.7		0.0		3.5

Intersection Summary		
HCM 6th Ctrl Delay	24.1	
HCM 6th LOS	C	



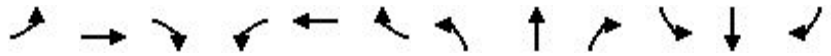
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	233	1493	146	592	573	345
Future Volume (veh/h)	0	0	0	0	0	0	233	1493	146	592	573	345
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.97	1.00		0.97
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							238	1523	149	604	585	352
Peak Hour Factor							0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							1412	2081	629	1329	810	487
Arrive On Green							0.80	0.80	0.80	0.38	0.38	0.38
Sat Flow, veh/h							3510	5187	1569	3510	2143	1289
Grp Volume(v), veh/h							238	1523	149	604	493	444
Grp Sat Flow(s),veh/h/ln							1755	1729	1569	1755	1805	1627
Q Serve(g_s), s							0.8	7.7	1.3	7.1	12.8	12.9
Cycle Q Clear(g_c), s							0.8	7.7	1.3	7.1	12.8	12.9
Prop In Lane							1.00		1.00	1.00		0.79
Lane Grp Cap(c), veh/h							1412	2081	629	1329	682	615
V/C Ratio(X)							0.17	0.73	0.24	0.45	0.72	0.72
Avail Cap(c_a), veh/h							1412	3169	958	1329	1103	994
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.35	0.35	0.35	1.00	1.00	1.00
Uniform Delay (d), s/veh							3.3	4.0	3.4	12.8	14.6	14.6
Incr Delay (d2), s/veh							0.0	0.8	0.3	0.1	6.5	7.2
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							0.2	1.2	0.3	2.2	5.3	4.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							3.3	4.8	3.7	12.9	21.2	21.8
LnGrp LOS							A	A	A	B	C	C
Approach Vol, veh/h								1910			1541	
Approach Delay, s/veh								4.6			18.1	
Approach LOS								A			B	

Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	26.5	28.5		27.8	27.2
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	9.3	* 34		9.3	* 34
Max Q Clear Time (g_c+I1), s	9.1	9.7		2.8	14.9
Green Ext Time (p_c), s	0.0	12.0		0.2	5.5

Intersection Summary	
HCM 6th Ctrl Delay	10.6
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	248	674	357	485	567	148	231	843	418	154	657	161
Future Volume (veh/h)	248	674	357	485	567	148	231	843	418	154	657	161
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	261	709	376	511	597	156	243	887	440	162	692	169
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	317	889	526	574	901	235	301	1342	851	223	1261	553
Arrive On Green	0.09	0.25	0.25	0.16	0.32	0.32	0.09	0.37	0.37	0.06	0.35	0.35
Sat Flow, veh/h	3510	3610	1575	3510	2821	735	3510	3610	1582	3510	3610	1583
Grp Volume(v), veh/h	261	709	376	511	381	372	243	887	440	162	692	169
Grp Sat Flow(s),veh/h/ln	1755	1805	1575	1755	1805	1752	1755	1805	1582	1755	1805	1583
Q Serve(g_s), s	8.5	21.4	24.3	16.5	21.1	21.2	7.9	23.7	20.8	5.3	17.9	9.0
Cycle Q Clear(g_c), s	8.5	21.4	24.3	16.5	21.1	21.2	7.9	23.7	20.8	5.3	17.9	9.0
Prop In Lane	1.00		1.00	1.00		0.42	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	317	889	526	574	576	559	301	1342	851	223	1261	553
V/C Ratio(X)	0.82	0.80	0.72	0.89	0.66	0.66	0.81	0.66	0.52	0.73	0.55	0.31
Avail Cap(c_a), veh/h	318	950	553	621	631	612	318	1342	851	318	1261	553
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	51.8	41.0	34.0	47.5	34.0	34.1	52.0	30.3	17.3	53.3	30.3	27.5
Incr Delay (d2), s/veh	15.8	4.6	4.2	14.3	2.3	2.4	13.7	2.6	2.2	4.8	1.7	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.4	9.8	9.6	8.2	9.3	9.1	3.9	10.3	7.6	2.4	7.7	3.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	67.6	45.6	38.1	61.8	36.3	36.5	65.7	32.9	19.6	58.1	32.1	28.9
LnGrp LOS	E	D	D	E	D	D	E	C	B	E	C	C
Approach Vol, veh/h		1346			1264			1570			1023	
Approach Delay, s/veh		47.8			46.7			34.3			35.7	
Approach LOS		D			D			C			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.8	47.6	23.4	33.0	14.4	45.0	15.0	41.5
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	40.5	20.5	30.5	10.5	40.5	10.5	40.5
Max Q Clear Time (g_c+I1), s	7.3	25.7	18.5	26.3	9.9	19.9	10.5	23.2
Green Ext Time (p_c), s	0.1	6.4	0.4	2.3	0.1	4.8	0.0	4.2

Intersection Summary	
HCM 6th Ctrl Delay	41.0
HCM 6th LOS	D

Intersection	
Intersection Delay, s/veh	28.6
Intersection LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	159	0	0	4	370	14	286	7	0	0	30	458
Future Vol, veh/h	159	0	0	4	370	14	286	7	0	0	30	458
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	169	0	0	4	394	15	304	7	0	0	32	487
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	18	16.9	23.4	44.6
HCM LOS	C	C	C	E

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	98%	100%	0%	2%	0%	0%
Vol Thru, %	2%	0%	100%	98%	93%	6%
Vol Right, %	0%	0%	0%	0%	7%	94%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	293	159	0	189	199	488
LT Vol	286	159	0	4	0	0
Through Vol	7	0	0	185	185	30
RT Vol	0	0	0	0	14	458
Lane Flow Rate	312	169	0	201	212	519
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.648	0.419	0	0.439	0.459	0.914
Departure Headway (Hd)	7.481	8.908	8.388	7.859	7.798	6.339
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	480	403	0	456	462	576
Service Time	5.549	6.682	6.161	5.626	5.565	4.339
HCM Lane V/C Ratio	0.65	0.419	0	0.441	0.459	0.901
HCM Control Delay	23.4	18	11.2	16.7	17.1	44.6
HCM Lane LOS	C	C	N	C	C	E
HCM 95th-tile Q	4.5	2	0	2.2	2.4	11.2

Intersection	
Int Delay, s/veh	3.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	18	136	387	3	17	136
Future Vol, veh/h	18	136	387	3	17	136
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	21	162	461	4	20	162

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	465	0	-	0	665	461
Stage 1	-	-	-	-	461	-
Stage 2	-	-	-	-	204	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1107	-	-	-	428	605
Stage 1	-	-	-	-	639	-
Stage 2	-	-	-	-	835	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1107	-	-	-	420	605
Mov Cap-2 Maneuver	-	-	-	-	420	-
Stage 1	-	-	-	-	627	-
Stage 2	-	-	-	-	835	-

Approach	EB	WB	SB
HCM Control Delay, s	1	0	14.1
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1107	-	-	-	577
HCM Lane V/C Ratio	0.019	-	-	-	0.316
HCM Control Delay (s)	8.3	-	-	-	14.1
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	1.3

Intersection	
Int Delay, s/veh	2.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	26	135	321	20	46	59
Future Vol, veh/h	26	135	321	20	46	59
Conflicting Peds, #/hr	2	0	0	2	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	30	155	369	23	53	68

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	394	0	-	0	586	371
Stage 1	-	-	-	-	371	-
Stage 2	-	-	-	-	215	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1176	-	-	-	476	679
Stage 1	-	-	-	-	702	-
Stage 2	-	-	-	-	826	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1174	-	-	-	462	678
Mov Cap-2 Maneuver	-	-	-	-	462	-
Stage 1	-	-	-	-	682	-
Stage 2	-	-	-	-	824	-

Approach	EB	WB	SB
HCM Control Delay, s	1.3	0	13.1
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1174	-	-	-	563
HCM Lane V/C Ratio	0.025	-	-	-	0.214
HCM Control Delay (s)	8.1	-	-	-	13.1
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0.8

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	182	345	1	0	0
Future Vol, veh/h	0	182	345	1	0	0
Conflicting Peds, #/hr	1	0	0	1	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	233	442	1	0	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	444	0	-	0	677	444
Stage 1	-	-	-	-	444	-
Stage 2	-	-	-	-	233	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1127	-	-	-	421	618
Stage 1	-	-	-	-	651	-
Stage 2	-	-	-	-	810	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1126	-	-	-	420	617
Mov Cap-2 Maneuver	-	-	-	-	420	-
Stage 1	-	-	-	-	650	-
Stage 2	-	-	-	-	809	-

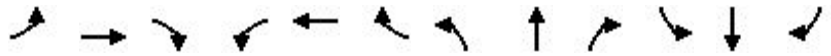
Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1126	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	0
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	-

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	513	442	0	1304	520	0
Future Volume (veh/h)	513	442	0	1304	520	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	540	465	0	1373	547	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	599	533	0	1594	1594	0
Arrive On Green	0.33	0.33	0.00	0.44	0.15	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	540	465	0	1373	547	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	15.6	14.9	0.0	18.8	7.5	0.0
Cycle Q Clear(g_c), s	15.6	14.9	0.0	18.8	7.5	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	599	533	0	1594	1594	0
V/C Ratio(X)	0.90	0.87	0.00	0.86	0.34	0.00
Avail Cap(c_a), veh/h	622	553	0	1594	1594	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	0.33	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.85	0.00
Uniform Delay (d), s/veh	17.5	17.3	0.0	13.8	16.3	0.0
Incr Delay (d2), s/veh	16.0	13.9	0.0	6.4	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.8	6.4	0.0	6.9	2.8	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	33.6	31.2	0.0	20.2	16.8	0.0
LnGrp LOS	C	C	A	C	B	A
Approach Vol, veh/h	1005			1373	547	
Approach Delay, s/veh	32.5			20.2	16.8	
Approach LOS	C			C	B	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		30.7		24.3		30.7
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		23.6		18.9		23.6
Max Q Clear Time (g_c+I1), s		20.8		17.6		9.5
Green Ext Time (p_c), s		2.0		0.6		2.8

Intersection Summary		
HCM 6th Ctrl Delay		23.8
HCM 6th LOS		C



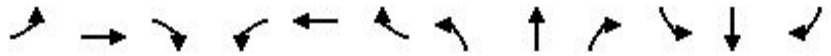
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	292	1380	139	521	524	293
Future Volume (veh/h)	0	0	0	0	0	0	292	1380	139	521	524	293
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.98	1.00		0.97
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							301	1423	143	537	540	302
Peak Hour Factor							0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							1528	1991	603	1390	762	426
Arrive On Green							0.87	0.77	0.77	0.40	0.34	0.34
Sat Flow, veh/h							3510	5187	1570	3510	2211	1234
Grp Volume(v), veh/h							301	1423	143	537	441	401
Grp Sat Flow(s),veh/h/ln							1755	1729	1570	1755	1805	1640
Q Serve(g_s), s							0.7	7.8	1.4	6.0	11.6	11.7
Cycle Q Clear(g_c), s							0.7	7.8	1.4	6.0	11.6	11.7
Prop In Lane							1.00		1.00	1.00		0.75
Lane Grp Cap(c), veh/h							1528	1991	603	1390	622	566
V/C Ratio(X)							0.20	0.71	0.24	0.39	0.71	0.71
Avail Cap(c_a), veh/h							1528	3169	959	1390	1103	1002
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.36	0.36	0.36	1.00	1.00	1.00
Uniform Delay (d), s/veh							2.1	4.8	4.1	11.8	15.6	15.6
Incr Delay (d2), s/veh							0.0	0.8	0.3	0.1	6.7	7.4
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							0.2	1.3	0.4	1.8	4.9	4.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							2.1	5.6	4.4	11.9	22.3	23.0
LnGrp LOS							A	A	A	B	C	C
Approach Vol, veh/h								1867			1379	
Approach Delay, s/veh								5.0			18.5	
Approach LOS								A			B	

Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	27.5	27.5		29.6	25.4
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	9.3	* 34		9.3	* 34
Max Q Clear Time (g_c+I1), s	9.6	9.8		2.7	13.7
Green Ext Time (p_c), s	0.2	11.1		0.3	5.0

Intersection Summary	
HCM 6th Ctrl Delay	10.7
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	108	249	177	371	600	209	239	634	478	246	816	189
Future Volume (veh/h)	108	249	177	371	600	209	239	634	478	246	816	189
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	110	254	181	379	612	213	244	647	488	251	833	193
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	173	724	459	466	742	258	312	1439	845	319	1446	634
Arrive On Green	0.05	0.20	0.20	0.13	0.28	0.28	0.09	0.40	0.40	0.09	0.40	0.40
Sat Flow, veh/h	3510	3610	1574	3510	2613	908	3510	3610	1583	3510	3610	1583
Grp Volume(v), veh/h	110	254	181	379	422	403	244	647	488	251	833	193
Grp Sat Flow(s),veh/h/ln	1755	1805	1574	1755	1805	1716	1755	1805	1583	1755	1805	1583
Q Serve(g_s), s	3.1	6.1	9.4	10.7	22.2	22.3	6.9	13.3	21.2	7.1	18.3	8.5
Cycle Q Clear(g_c), s	3.1	6.1	9.4	10.7	22.2	22.3	6.9	13.3	21.2	7.1	18.3	8.5
Prop In Lane	1.00		1.00	1.00		0.53	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	173	724	459	466	513	487	312	1439	845	319	1446	634
V/C Ratio(X)	0.64	0.35	0.39	0.81	0.82	0.83	0.78	0.45	0.58	0.79	0.58	0.30
Avail Cap(c_a), veh/h	363	1084	616	708	720	684	363	1439	845	363	1446	634
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	47.4	34.9	29.0	42.8	34.0	34.0	45.3	22.4	16.1	45.2	23.7	20.8
Incr Delay (d2), s/veh	3.8	0.3	0.6	4.3	5.4	5.8	9.2	1.0	2.9	9.8	1.7	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.4	2.7	3.5	4.8	10.1	9.7	3.3	5.5	7.6	3.4	7.6	3.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	51.2	35.2	29.5	47.1	39.4	39.8	54.5	23.4	19.0	55.0	25.4	22.0
LnGrp LOS	D	D	C	D	D	D	D	C	B	E	C	C
Approach Vol, veh/h		545			1204			1379			1277	
Approach Delay, s/veh		36.6			42.0			27.3			30.7	
Approach LOS		D			D			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.7	45.0	18.0	24.9	13.5	45.2	9.5	33.4
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	40.5	20.5	30.5	10.5	40.5	10.5	40.5
Max Q Clear Time (g_c+I1), s	9.1	23.2	12.7	11.4	8.9	20.3	5.1	24.3
Green Ext Time (p_c), s	0.1	5.5	0.8	2.0	0.1	6.0	0.1	4.6

Intersection Summary	
HCM 6th Ctrl Delay	33.5
HCM 6th LOS	C

Intersection	
Intersection Delay, s/veh	45.1
Intersection LOS	E

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	408	0	0	11	585	25	287	8	0	0	16	207
Future Vol, veh/h	408	0	0	11	585	25	287	8	0	0	16	207
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	429	0	0	12	616	26	302	8	0	0	17	218
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	89.5	30.9	32.2	20.8
HCM LOS	F	D	D	C

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	97%	100%	0%	4%	0%	0%
Vol Thru, %	3%	0%	100%	96%	92%	7%
Vol Right, %	0%	0%	0%	0%	8%	93%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	295	408	0	304	318	223
LT Vol	287	408	0	11	0	0
Through Vol	8	0	0	293	293	16
RT Vol	0	0	0	0	25	207
Lane Flow Rate	311	429	0	319	334	235
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.733	1.054	0	0.721	0.748	0.535
Departure Headway (Hd)	8.729	8.832	8.312	8.365	8.289	8.47
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	416	412	0	434	438	430
Service Time	6.729	6.532	6.012	6.065	5.989	6.47
HCM Lane V/C Ratio	0.748	1.041	0	0.735	0.763	0.547
HCM Control Delay	32.2	89.5	11	29.9	31.8	20.8
HCM Lane LOS	D	F	N	D	D	C
HCM 95th-tile Q	5.8	14.1	0	5.6	6.1	3.1

Intersection	
Int Delay, s/veh	3.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	191	261	138	19	5	75
Future Vol, veh/h	191	261	138	19	5	75
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	81	81	81	81	81	81
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	236	322	170	23	6	93

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	193	0	-	0	964	170
Stage 1	-	-	-	-	170	-
Stage 2	-	-	-	-	794	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1392	-	-	-	286	879
Stage 1	-	-	-	-	865	-
Stage 2	-	-	-	-	449	-
Platoon blocked, %			-	-	-	
Mov Cap-1 Maneuver	1392	-	-	-	237	879
Mov Cap-2 Maneuver	-	-	-	-	237	-
Stage 1	-	-	-	-	718	-
Stage 2	-	-	-	-	449	-

Approach	EB	WB	SB
HCM Control Delay, s	3.4	0	10.5
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1392	-	-	-	752
HCM Lane V/C Ratio	0.169	-	-	-	0.131
HCM Control Delay (s)	8.1	-	-	-	10.5
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.6	-	-	-	0.5

Intersection	
Int Delay, s/veh	1.8

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	60	187	136	49	9	25
Future Vol, veh/h	60	187	136	49	9	25
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	76	237	172	62	11	32

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	234	0	-	0	561	172
Stage 1	-	-	-	-	172	-
Stage 2	-	-	-	-	389	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1345	-	-	-	492	877
Stage 1	-	-	-	-	863	-
Stage 2	-	-	-	-	689	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1345	-	-	-	464	877
Mov Cap-2 Maneuver	-	-	-	-	464	-
Stage 1	-	-	-	-	814	-
Stage 2	-	-	-	-	689	-

Approach	EB	WB	SB
HCM Control Delay, s	1.9	0	10.4
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1345	-	-	-	710
HCM Lane V/C Ratio	0.056	-	-	-	0.061
HCM Control Delay (s)	7.8	-	-	-	10.4
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.2	-	-	-	0.2

Intersection	
Int Delay, s/veh	2.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	103	91	172	18	4	22
Future Vol, veh/h	103	91	172	18	4	22
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	132	117	221	23	5	28

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	244	0	-	0	614	233
Stage 1	-	-	-	-	233	-
Stage 2	-	-	-	-	381	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1334	-	-	-	459	811
Stage 1	-	-	-	-	810	-
Stage 2	-	-	-	-	695	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1334	-	-	-	410	811
Mov Cap-2 Maneuver	-	-	-	-	410	-
Stage 1	-	-	-	-	724	-
Stage 2	-	-	-	-	695	-

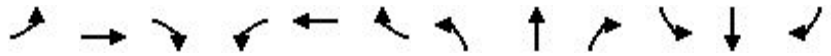
Approach	EB	WB	SB
HCM Control Delay, s	4.2	0	10.4
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1334	-	-	-	705
HCM Lane V/C Ratio	0.099	-	-	-	0.047
HCM Control Delay (s)	8	0	-	-	10.4
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.3	-	-	-	0.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	506	506	0	1396	575	0
Future Volume (veh/h)	506	506	0	1396	575	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	522	522	0	1439	593	0
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	622	553	0	1549	1549	0
Arrive On Green	0.34	0.34	0.00	0.43	0.86	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	522	522	0	1439	593	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	14.6	17.3	0.0	20.8	1.9	0.0
Cycle Q Clear(g_c), s	14.6	17.3	0.0	20.8	1.9	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	622	553	0	1549	1549	0
V/C Ratio(X)	0.84	0.94	0.00	0.93	0.38	0.00
Avail Cap(c_a), veh/h	622	553	0	1549	1549	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	2.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.75	0.00
Uniform Delay (d), s/veh	16.7	17.5	0.0	14.9	2.4	0.0
Incr Delay (d2), s/veh	10.0	25.0	0.0	11.2	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.5	8.8	0.0	8.6	0.5	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	26.6	42.5	0.0	26.1	2.9	0.0
LnGrp LOS	C	D	A	C	A	A
Approach Vol, veh/h	1044			1439	593	
Approach Delay, s/veh	34.5			26.1	2.9	
Approach LOS	C			C	A	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		30.0		25.0		30.0
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		23.6		18.9		23.6
Max Q Clear Time (g_c+I1), s		22.8		19.3		3.9
Green Ext Time (p_c), s		0.6		0.0		3.5

Intersection Summary		
HCM 6th Ctrl Delay		24.5
HCM 6th LOS		C



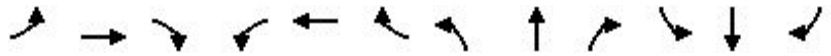
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	233	1511	146	592	576	411
Future Volume (veh/h)	0	0	0	0	0	0	233	1511	146	592	576	411
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.97	1.00		0.97
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							238	1542	149	604	588	419
Peak Hour Factor							0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							1327	2097	634	1319	800	570
Arrive On Green							0.76	0.81	0.81	0.38	0.40	0.40
Sat Flow, veh/h							3510	5187	1569	3510	1989	1417
Grp Volume(v), veh/h							238	1542	149	604	534	473
Grp Sat Flow(s),veh/h/ln							1755	1729	1569	1755	1805	1601
Q Serve(g_s), s							1.1	7.7	1.2	7.1	13.8	13.8
Cycle Q Clear(g_c), s							1.1	7.7	1.2	7.1	13.8	13.8
Prop In Lane							1.00		1.00	1.00		0.89
Lane Grp Cap(c), veh/h							1327	2097	634	1319	726	644
V/C Ratio(X)							0.18	0.74	0.23	0.46	0.74	0.74
Avail Cap(c_a), veh/h							1327	3169	958	1319	1103	978
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.33	0.33	0.33	1.00	1.00	1.00
Uniform Delay (d), s/veh							4.3	3.9	3.3	12.9	14.0	14.0
Incr Delay (d2), s/veh							0.0	0.8	0.3	0.1	6.5	7.3
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							0.3	1.2	0.3	2.2	5.5	5.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							4.3	4.7	3.5	13.0	20.5	21.3
LnGrp LOS							A	A	A	B	C	C
Approach Vol, veh/h								1929			1611	
Approach Delay, s/veh								4.5			17.9	
Approach LOS								A			B	

Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	6.4	28.6		26.5	28.5
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	9.3	* 34		9.3	* 34
Max Q Clear Time (g_c+I1), s	9.1	9.7		3.1	15.8
Green Ext Time (p_c), s	0.0	12.2		0.2	6.0

Intersection Summary	
HCM 6th Ctrl Delay	10.6
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	248	678	357	554	581	162	231	843	436	158	657	161
Future Volume (veh/h)	248	678	357	554	581	162	231	843	436	158	657	161
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	261	714	376	583	612	171	243	887	459	166	692	169
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	313	882	522	611	914	255	299	1317	857	226	1240	544
Arrive On Green	0.09	0.24	0.24	0.17	0.33	0.33	0.09	0.36	0.36	0.06	0.34	0.34
Sat Flow, veh/h	3510	3610	1575	3510	2775	774	3510	3610	1581	3510	3610	1583
Grp Volume(v), veh/h	261	714	376	583	398	385	243	887	459	166	692	169
Grp Sat Flow(s),veh/h/ln	1755	1805	1575	1755	1805	1744	1755	1805	1581	1755	1805	1583
Q Serve(g_s), s	8.6	22.0	24.8	19.4	22.3	22.4	8.0	24.4	22.2	5.5	18.3	9.2
Cycle Q Clear(g_c), s	8.6	22.0	24.8	19.4	22.3	22.4	8.0	24.4	22.2	5.5	18.3	9.2
Prop In Lane	1.00		1.00	1.00		0.44	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	313	882	522	611	594	574	299	1317	857	226	1240	544
V/C Ratio(X)	0.83	0.81	0.72	0.95	0.67	0.67	0.81	0.67	0.54	0.74	0.56	0.31
Avail Cap(c_a), veh/h	313	934	545	611	620	599	313	1317	857	313	1240	544
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	52.8	41.9	34.8	48.2	34.0	34.0	53.0	31.5	17.7	54.2	31.4	28.4
Incr Delay (d2), s/veh	17.4	5.1	4.4	25.6	2.6	2.8	14.4	2.8	2.4	5.6	1.8	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.5	10.2	9.8	10.5	9.9	9.7	4.0	10.6	8.2	2.5	8.0	3.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	70.3	47.1	39.2	73.8	36.6	36.8	67.4	34.3	20.1	59.8	33.2	29.9
LnGrp LOS	E	D	D	E	D	D	E	C	C	E	C	C
Approach Vol, veh/h		1351			1366			1589			1027	
Approach Delay, s/veh		49.4			52.6			35.2			37.0	
Approach LOS		D			D			D			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	12.1	47.5	25.0	33.3	14.6	45.0	15.0	43.3
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	40.5	20.5	30.5	10.5	40.5	10.5	40.5
Max Q Clear Time (g_c+I1), s	7.5	26.4	21.4	26.8	10.0	20.3	10.6	24.4
Green Ext Time (p_c), s	0.1	6.3	0.0	2.0	0.0	4.8	0.0	4.2

Intersection Summary	
HCM 6th Ctrl Delay	43.6
HCM 6th LOS	D

Intersection	
Intersection Delay, s/veh	53.5
Intersection LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	185	0	0	4	370	14	286	7	0	0	30	556
Future Vol, veh/h	185	0	0	4	370	14	286	7	0	0	30	556
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	197	0	0	4	394	15	304	7	0	0	32	591
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	20.9	18.2	26	101
HCM LOS	C	C	D	F

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	98%	100%	0%	2%	0%	0%
Vol Thru, %	2%	0%	100%	98%	93%	5%
Vol Right, %	0%	0%	0%	0%	7%	95%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	293	185	0	189	199	586
LT Vol	286	185	0	4	0	0
Through Vol	7	0	0	185	185	30
RT Vol	0	0	0	0	14	556
Lane Flow Rate	312	197	0	201	212	623
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.668	0.489	0	0.45	0.47	1.123
Departure Headway (Hd)	8.11	9.47	8.946	8.488	8.426	6.486
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	449	384	0	426	430	561
Service Time	6.11	7.17	6.646	6.188	6.126	4.546
HCM Lane V/C Ratio	0.695	0.513	0	0.472	0.493	1.111
HCM Control Delay	26	20.9	11.6	17.9	18.4	101
HCM Lane LOS	D	C	N	C	C	F
HCM 95th-tile Q	4.8	2.6	0	2.3	2.4	20

Intersection	
Int Delay, s/veh	3.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	18	162	485	3	17	136
Future Vol, veh/h	18	162	485	3	17	136
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	21	193	577	4	20	162

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	581	0	-	0	812	577
Stage 1	-	-	-	-	577	-
Stage 2	-	-	-	-	235	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1003	-	-	-	351	520
Stage 1	-	-	-	-	566	-
Stage 2	-	-	-	-	809	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1003	-	-	-	344	520
Mov Cap-2 Maneuver	-	-	-	-	344	-
Stage 1	-	-	-	-	554	-
Stage 2	-	-	-	-	809	-

Approach	EB	WB	SB
HCM Control Delay, s	0.9	0	16.6
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1003	-	-	-	492
HCM Lane V/C Ratio	0.021	-	-	-	0.37
HCM Control Delay (s)	8.7	-	-	-	16.6
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	1.7

Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	26	161	419	20	46	59
Future Vol, veh/h	26	161	419	20	46	59
Conflicting Peds, #/hr	2	0	0	2	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	30	185	482	23	53	68

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	507	0	-	0	729	484
Stage 1	-	-	-	-	484	-
Stage 2	-	-	-	-	245	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1068	-	-	-	393	587
Stage 1	-	-	-	-	624	-
Stage 2	-	-	-	-	800	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1066	-	-	-	380	586
Mov Cap-2 Maneuver	-	-	-	-	380	-
Stage 1	-	-	-	-	605	-
Stage 2	-	-	-	-	798	-

Approach	EB	WB	SB
HCM Control Delay, s	1.2	0	15.2
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1066	-	-	-	474
HCM Lane V/C Ratio	0.028	-	-	-	0.255
HCM Control Delay (s)	8.5	-	-	-	15.2
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	1

Intersection	
Int Delay, s/veh	2.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	26	182	345	5	18	98
Future Vol, veh/h	26	182	345	5	18	98
Conflicting Peds, #/hr	1	0	0	1	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	33	233	442	6	23	126

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	449	0	-	0	745	446
Stage 1	-	-	-	-	446	-
Stage 2	-	-	-	-	299	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1122	-	-	-	384	617
Stage 1	-	-	-	-	649	-
Stage 2	-	-	-	-	757	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1121	-	-	-	370	616
Mov Cap-2 Maneuver	-	-	-	-	370	-
Stage 1	-	-	-	-	626	-
Stage 2	-	-	-	-	756	-

Approach	EB	WB	SB
HCM Control Delay, s	1	0	13.8
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1121	-	-	-	558
HCM Lane V/C Ratio	0.03	-	-	-	0.267
HCM Control Delay (s)	8.3	0	-	-	13.8
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	1.1

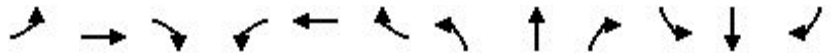
Appendix H

Intersection LOS Worksheets – Horizon Year

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	300	260	0	1638	641	0
Future Volume (veh/h)	300	260	0	1638	641	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	309	268	0	1689	661	0
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	397	354	0	1997	1997	0
Arrive On Green	0.22	0.22	0.00	0.55	1.00	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	309	268	0	1689	661	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	8.8	8.6	0.0	21.6	0.0	0.0
Cycle Q Clear(g_c), s	8.8	8.6	0.0	21.6	0.0	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	397	354	0	1997	1997	0
V/C Ratio(X)	0.78	0.76	0.00	0.85	0.33	0.00
Avail Cap(c_a), veh/h	622	553	0	1997	1997	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	2.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.86	0.00
Uniform Delay (d), s/veh	20.2	20.1	0.0	10.3	0.0	0.0
Incr Delay (d2), s/veh	3.3	3.3	0.0	4.6	0.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	3.0	0.0	6.5	0.1	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	23.5	23.4	0.0	15.0	0.4	0.0
LnGrp LOS	C	C	A	B	A	A
Approach Vol, veh/h	577			1689	661	
Approach Delay, s/veh	23.5			15.0	0.4	
Approach LOS	C			B	A	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		36.8		18.2		36.8
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		23.6		18.9		23.6
Max Q Clear Time (g_c+I1), s		23.6		10.8		2.0
Green Ext Time (p_c), s		0.0		1.2		4.1

Intersection Summary		
HCM 6th Ctrl Delay	13.3	
HCM 6th LOS	B	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	445	1268	250	643	651	370
Future Volume (veh/h)	0	0	0	0	0	0	445	1268	250	643	651	370
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.98	1.00		0.98
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							454	1294	255	656	664	378
Peak Hour Factor							0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							594	2697	817	913	1341	763
Arrive On Green							0.34	1.00	1.00	0.26	0.61	0.61
Sat Flow, veh/h							3510	5187	1571	3510	2195	1249
Grp Volume(v), veh/h							454	1294	255	656	546	496
Grp Sat Flow(s),veh/h/ln							1755	1729	1571	1755	1805	1639
Q Serve(g_s), s							6.3	0.0	0.0	9.4	9.3	9.3
Cycle Q Clear(g_c), s							6.3	0.0	0.0	9.4	9.3	9.3
Prop In Lane							1.00		1.00	1.00		0.76
Lane Grp Cap(c), veh/h							594	2697	817	913	1103	1001
V/C Ratio(X)							0.76	0.48	0.31	0.72	0.50	0.50
Avail Cap(c_a), veh/h							594	2697	817	913	1103	1001
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.37	0.37	0.37	1.00	1.00	1.00
Uniform Delay (d), s/veh							17.2	0.0	0.0	18.5	6.0	6.0
Incr Delay (d2), s/veh							2.0	0.2	0.4	2.4	1.6	1.8
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							2.0	0.1	0.1	3.4	2.4	2.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							19.3	0.2	0.4	20.9	7.6	7.7
LnGrp LOS							B	A	A	C	A	A
Approach Vol, veh/h								2003			1698	
Approach Delay, s/veh								4.6			12.8	
Approach LOS								A			B	

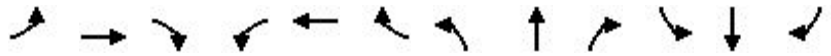
Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	20.0	35.0		15.0	40.0
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	14.3	* 29		9.3	* 34
Max Q Clear Time (g_c+I1), s	11.4	2.0		8.3	11.3
Green Ext Time (p_c), s	0.5	11.0		0.1	6.8

Intersection Summary	
HCM 6th Ctrl Delay	8.3
HCM 6th LOS	A

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	162	220	180	430	630	301	270	813	430	341	1234	313
Future Volume (veh/h)	162	220	180	430	630	301	270	813	430	341	1234	313
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	171	232	189	453	663	317	284	856	453	359	1299	329
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	246	413	348	1030	795	380	370	1038	926	394	1064	466
Arrive On Green	0.07	0.11	0.11	0.29	0.34	0.34	0.11	0.29	0.29	0.11	0.29	0.29
Sat Flow, veh/h	3510	3610	1558	3510	2353	1125	3510	3610	1579	3510	3610	1582
Grp Volume(v), veh/h	171	232	189	453	509	471	284	856	453	359	1299	329
Grp Sat Flow(s),veh/h/ln	1755	1805	1558	1755	1805	1674	1755	1805	1579	1755	1805	1582
Q Serve(g_s), s	4.5	5.7	4.4	9.8	24.3	24.3	7.4	20.7	0.0	9.5	27.6	17.3
Cycle Q Clear(g_c), s	4.5	5.7	4.4	9.8	24.3	24.3	7.4	20.7	0.0	9.5	27.6	17.3
Prop In Lane	1.00		1.00	1.00		0.67	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	246	413	348	1030	609	565	370	1038	926	394	1064	466
V/C Ratio(X)	0.70	0.56	0.54	0.44	0.83	0.83	0.77	0.82	0.49	0.91	1.22	0.71
Avail Cap(c_a), veh/h	394	1177	677	1030	781	725	582	1177	987	394	1064	466
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	42.5	39.2	12.4	26.8	28.6	28.6	40.7	31.1	11.4	41.1	33.0	29.4
Incr Delay (d2), s/veh	3.5	1.2	1.3	0.3	6.2	6.7	3.4	4.4	0.4	24.9	108.2	4.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	2.5	1.8	3.9	10.9	10.1	3.2	9.0	4.9	5.3	27.1	6.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	46.0	40.4	13.8	27.1	34.8	35.2	44.1	35.5	11.8	65.9	141.2	34.2
LnGrp LOS	D	D	B	C	C	D	D	D	B	E	F	C
Approach Vol, veh/h		592			1433			1593			1987	
Approach Delay, s/veh		33.5			32.5			30.3			109.9	
Approach LOS		C			C			C			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	15.0	31.4	31.9	15.2	14.3	32.1	11.1	36.1
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	30.5	20.5	30.5	15.5	25.5	10.5	40.5
Max Q Clear Time (g_c+I1), s	11.5	22.7	11.8	7.7	9.4	29.6	6.5	26.3
Green Ext Time (p_c), s	0.0	4.2	1.1	2.0	0.5	0.0	0.2	5.3

Intersection Summary	
HCM 6th Ctrl Delay	59.4
HCM 6th LOS	E

Intersection	
Intersection Delay, s/veh	62.9
Intersection LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	412	0	0	11	591	40	360	10	0	0	16	207
Future Vol, veh/h	412	0	0	11	591	40	360	10	0	0	16	207
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	438	0	0	12	629	43	383	11	0	0	17	220
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	118.9	41.4	61.2	24.2
HCM LOS	F	E	F	C

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	97%	100%	0%	4%	0%	0%
Vol Thru, %	3%	0%	100%	96%	88%	7%
Vol Right, %	0%	0%	0%	0%	12%	93%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	370	412	0	307	336	223
LT Vol	360	412	0	11	0	0
Through Vol	10	0	0	296	296	16
RT Vol	0	0	0	0	40	207
Lane Flow Rate	394	438	0	326	357	237
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.936	1.137	0	0.781	0.845	0.576
Departure Headway (Hd)	9.088	9.337	8.815	9.102	8.996	9.314
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	401	390	0	401	407	389
Service Time	7.088	7.119	6.596	6.802	6.696	7.314
HCM Lane V/C Ratio	0.983	1.123	0	0.813	0.877	0.609
HCM Control Delay	61.2	118.9	11.6	37.5	44.9	24.2
HCM Lane LOS	F	F	N	E	E	C
HCM 95th-tile Q	10.3	16.5	0	6.6	8	3.5

Intersection	
Int Delay, s/veh	3.8

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	191	190	139	19	5	75
Future Vol, veh/h	191	190	139	19	5	75
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	227	226	165	23	6	89

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	188	0	-	0	845	165
Stage 1	-	-	-	-	165	-
Stage 2	-	-	-	-	680	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1398	-	-	-	336	885
Stage 1	-	-	-	-	869	-
Stage 2	-	-	-	-	507	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1398	-	-	-	282	885
Mov Cap-2 Maneuver	-	-	-	-	282	-
Stage 1	-	-	-	-	728	-
Stage 2	-	-	-	-	507	-

Approach	EB	WB	SB
HCM Control Delay, s	4	0	10.2
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1398	-	-	-	781
HCM Lane V/C Ratio	0.163	-	-	-	0.122
HCM Control Delay (s)	8.1	-	-	-	10.2
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.6	-	-	-	0.4

Intersection	
Int Delay, s/veh	2.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	60	101	137	49	9	25
Future Vol, veh/h	60	101	137	49	9	25
Conflicting Peds, #/hr	2	0	0	2	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	69	116	157	56	10	29

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	215	0	-	0	413	159
Stage 1	-	-	-	-	159	-
Stage 2	-	-	-	-	254	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1367	-	-	-	599	892
Stage 1	-	-	-	-	875	-
Stage 2	-	-	-	-	793	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1364	-	-	-	566	890
Mov Cap-2 Maneuver	-	-	-	-	566	-
Stage 1	-	-	-	-	829	-
Stage 2	-	-	-	-	791	-

Approach	EB	WB	SB
HCM Control Delay, s	2.9	0	9.9
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1364	-	-	-	773
HCM Lane V/C Ratio	0.051	-	-	-	0.051
HCM Control Delay (s)	7.8	-	-	-	9.9
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0.2	-	-	-	0.2

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	109	206	0	0	0
Future Vol, veh/h	0	109	206	0	0	0
Conflicting Peds, #/hr	1	0	0	1	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	140	264	0	0	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	265	0	-	0	405	265
Stage 1	-	-	-	-	265	-
Stage 2	-	-	-	-	140	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1311	-	-	-	606	779
Stage 1	-	-	-	-	784	-
Stage 2	-	-	-	-	892	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1310	-	-	-	605	778
Mov Cap-2 Maneuver	-	-	-	-	605	-
Stage 1	-	-	-	-	783	-
Stage 2	-	-	-	-	891	-

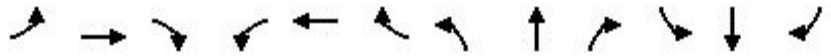
Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1310	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	0
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	-

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	560	490	0	1740	627	0
Future Volume (veh/h)	560	490	0	1740	627	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	577	505	0	1794	646	0
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	570	507	0	1721	1721	0
Arrive On Green	0.31	0.31	0.00	0.48	0.95	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	577	505	0	1794	646	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	18.9	18.8	0.0	28.6	0.8	0.0
Cycle Q Clear(g_c), s	18.9	18.8	0.0	28.6	0.8	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	570	507	0	1721	1721	0
V/C Ratio(X)	1.01	1.00	0.00	1.04	0.38	0.00
Avail Cap(c_a), veh/h	570	507	0	1721	1721	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	2.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.83	0.00
Uniform Delay (d), s/veh	20.5	20.5	0.0	15.7	0.8	0.0
Incr Delay (d2), s/veh	40.8	38.8	0.0	33.7	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	13.0	11.2	0.0	16.5	0.3	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	61.3	59.3	0.0	49.4	1.3	0.0
LnGrp LOS	F	E	A	F	A	A
Approach Vol, veh/h	1082			1794	646	
Approach Delay, s/veh	60.4			49.4	1.3	
Approach LOS	E			D	A	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		35.0		25.0		35.0
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		28.6		18.9		28.6
Max Q Clear Time (g_c+I1), s		30.6		20.9		2.8
Green Ext Time (p_c), s		0.0		0.0		4.2

Intersection Summary		
HCM 6th Ctrl Delay	44.0	
HCM 6th LOS	D	



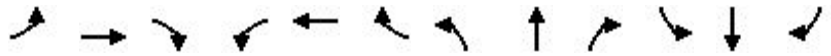
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	300	1690	240	718	657	395
Future Volume (veh/h)	0	0	0	0	0	0	300	1690	240	718	657	395
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.98	1.00		0.98
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							306	1724	245	733	670	403
Peak Hour Factor							0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							837	2905	880	837	1202	722
Arrive On Green							0.48	1.00	1.00	0.24	0.56	0.56
Sat Flow, veh/h							3510	5187	1571	3510	2146	1289
Grp Volume(v), veh/h							306	1724	245	733	563	510
Grp Sat Flow(s),veh/h/ln							1755	1729	1571	1755	1805	1630
Q Serve(g_s), s							3.3	0.0	0.0	12.1	12.0	12.0
Cycle Q Clear(g_c), s							3.3	0.0	0.0	12.1	12.0	12.0
Prop In Lane							1.00		1.00	1.00		0.79
Lane Grp Cap(c), veh/h							837	2905	880	837	1011	913
V/C Ratio(X)							0.37	0.59	0.28	0.88	0.56	0.56
Avail Cap(c_a), veh/h							837	2905	880	837	1011	913
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.09	0.09	0.09	1.00	1.00	1.00
Uniform Delay (d), s/veh							12.8	0.0	0.0	22.0	8.4	8.4
Incr Delay (d2), s/veh							0.0	0.1	0.1	10.0	2.2	2.5
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							1.0	0.0	0.0	5.4	3.7	3.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							12.8	0.1	0.1	32.0	10.7	10.9
LnGrp LOS							B	A	A	C	B	B
Approach Vol, veh/h								2275			1806	
Approach Delay, s/veh								1.8			19.4	
Approach LOS								A			B	

Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	20.0	40.0		20.0	40.0
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	14.3	* 34		14.3	* 34
Max Q Clear Time (g_c+I1), s	14.1	2.0		5.3	14.0
Green Ext Time (p_c), s	0.1	16.7		0.4	6.7

Intersection Summary	
HCM 6th Ctrl Delay	9.6
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	423	700	435	595	635	347	310	1150	495	288	670	232
Future Volume (veh/h)	423	700	435	595	635	347	310	1150	495	288	670	232
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	445	737	458	626	668	365	326	1211	521	303	705	244
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	453	797	526	658	624	341	389	1279	862	307	1194	523
Arrive On Green	0.13	0.22	0.22	0.19	0.28	0.28	0.11	0.35	0.35	0.09	0.33	0.33
Sat Flow, veh/h	3510	3610	1574	3510	2236	1221	3510	3610	1581	3510	3610	1583
Grp Volume(v), veh/h	445	737	458	626	539	494	326	1211	521	303	705	244
Grp Sat Flow(s),veh/h/ln	1755	1805	1574	1755	1805	1652	1755	1805	1581	1755	1805	1583
Q Serve(g_s), s	15.2	24.0	26.5	21.2	33.5	33.5	10.9	39.1	27.0	10.3	19.5	14.6
Cycle Q Clear(g_c), s	15.2	24.0	26.5	21.2	33.5	33.5	10.9	39.1	27.0	10.3	19.5	14.6
Prop In Lane	1.00		1.00	1.00		0.74	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	453	797	526	658	504	461	389	1279	862	307	1194	523
V/C Ratio(X)	0.98	0.92	0.87	0.95	1.07	1.07	0.84	0.95	0.60	0.99	0.59	0.47
Avail Cap(c_a), veh/h	453	797	526	658	504	461	483	1279	862	307	1194	523
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	52.1	45.8	37.8	48.2	43.3	43.3	52.3	37.7	18.8	54.7	33.4	31.8
Incr Delay (d2), s/veh	37.3	16.4	14.6	23.7	60.1	62.0	10.2	15.3	3.1	47.5	2.1	3.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.9	12.3	14.4	11.2	22.9	21.2	5.2	19.1	10.0	6.5	8.6	5.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	89.4	62.2	52.4	71.9	103.4	105.3	62.5	53.0	21.9	102.2	35.5	34.7
LnGrp LOS	F	E	D	E	F	F	E	D	C	F	D	C
Approach Vol, veh/h		1640			1659			2058			1252	
Approach Delay, s/veh		66.8			92.0			46.6			51.5	
Approach LOS		E			F			D			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	15.0	47.0	27.0	31.0	17.8	44.2	20.0	38.0
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	42.5	22.5	26.5	16.5	36.5	15.5	33.5
Max Q Clear Time (g_c+I1), s	12.3	41.1	23.2	28.5	12.9	21.5	17.2	35.5
Green Ext Time (p_c), s	0.0	1.1	0.0	0.0	0.4	4.6	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	64.0
HCM 6th LOS	E

Intersection	
Intersection Delay, s/veh	70.1
Intersection LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	190	0	0	10	557	14	285	7	0	0	35	560
Future Vol, veh/h	190	0	0	10	557	14	285	7	0	0	35	560
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	200	0	0	11	586	15	300	7	0	0	37	589
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	23.5	29.2	30.9	144.1
HCM LOS	C	D	D	F

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	98%	100%	0%	3%	0%	0%
Vol Thru, %	2%	0%	100%	97%	95%	6%
Vol Right, %	0%	0%	0%	0%	5%	94%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	292	190	0	289	293	595
LT Vol	285	190	0	10	0	0
Through Vol	7	0	0	279	279	35
RT Vol	0	0	0	0	14	560
Lane Flow Rate	307	200	0	304	308	626
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.708	0.522	0	0.691	0.696	1.232
Departure Headway (Hd)	8.936	10.175	9.648	8.836	8.784	7.08
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	409	356	0	413	416	514
Service Time	6.936	7.875	7.348	6.536	6.484	5.139
HCM Lane V/C Ratio	0.751	0.562	0	0.736	0.74	1.218
HCM Control Delay	30.9	23.5	12.3	29.1	29.3	144.1
HCM Lane LOS	D	C	N	D	D	F
HCM 95th-tile Q	5.3	2.9	0	5.1	5.2	24.2

Intersection	
Int Delay, s/veh	3.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	18	163	464	3	17	136
Future Vol, veh/h	18	163	464	3	17	136
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	21	194	552	4	20	162

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	556	0	-	0	788	552
Stage 1	-	-	-	-	552	-
Stage 2	-	-	-	-	236	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1025	-	-	-	363	537
Stage 1	-	-	-	-	581	-
Stage 2	-	-	-	-	808	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1025	-	-	-	356	537
Mov Cap-2 Maneuver	-	-	-	-	356	-
Stage 1	-	-	-	-	569	-
Stage 2	-	-	-	-	808	-

Approach	EB	WB	SB
HCM Control Delay, s	0.9	0	16
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1025	-	-	-	508
HCM Lane V/C Ratio	0.021	-	-	-	0.359
HCM Control Delay (s)	8.6	-	-	-	16
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	1.6

Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	26	162	385	20	46	59
Future Vol, veh/h	26	162	385	20	46	59
Conflicting Peds, #/hr	2	0	0	2	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	30	186	443	23	53	68

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	468	0	-	0	691	445
Stage 1	-	-	-	-	445	-
Stage 2	-	-	-	-	246	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1104	-	-	-	413	617
Stage 1	-	-	-	-	650	-
Stage 2	-	-	-	-	800	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1102	-	-	-	400	616
Mov Cap-2 Maneuver	-	-	-	-	400	-
Stage 1	-	-	-	-	631	-
Stage 2	-	-	-	-	798	-

Approach	EB	WB	SB
HCM Control Delay, s	1.2	0	14.5
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1102	-	-	-	498
HCM Lane V/C Ratio	0.027	-	-	-	0.242
HCM Control Delay (s)	8.4	-	-	-	14.5
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0.9

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	218	414	1	0	0
Future Vol, veh/h	0	218	414	1	0	0
Conflicting Peds, #/hr	1	0	0	1	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	279	531	1	0	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	533	0	-	0	812	533
Stage 1	-	-	-	-	533	-
Stage 2	-	-	-	-	279	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1045	-	-	-	351	551
Stage 1	-	-	-	-	593	-
Stage 2	-	-	-	-	773	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1044	-	-	-	350	550
Mov Cap-2 Maneuver	-	-	-	-	350	-
Stage 1	-	-	-	-	592	-
Stage 2	-	-	-	-	772	-

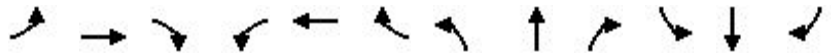
Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1044	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	0
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	-

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	319	260	0	1640	641	0
Future Volume (veh/h)	319	260	0	1640	641	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	329	268	0	1691	661	0
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	416	370	0	1959	1959	0
Arrive On Green	0.23	0.23	0.00	0.54	1.00	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	329	268	0	1691	661	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	9.4	8.5	0.0	22.2	0.0	0.0
Cycle Q Clear(g_c), s	9.4	8.5	0.0	22.2	0.0	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	416	370	0	1959	1959	0
V/C Ratio(X)	0.79	0.72	0.00	0.86	0.34	0.00
Avail Cap(c_a), veh/h	622	553	0	1959	1959	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	2.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.86	0.00
Uniform Delay (d), s/veh	19.9	19.6	0.0	10.8	0.0	0.0
Incr Delay (d2), s/veh	4.1	2.7	0.0	5.3	0.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.8	2.9	0.0	6.9	0.1	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	24.0	22.2	0.0	16.2	0.4	0.0
LnGrp LOS	C	C	A	B	A	A
Approach Vol, veh/h	597			1691	661	
Approach Delay, s/veh	23.2			16.2	0.4	
Approach LOS	C			B	A	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		36.2		18.8		36.2
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		23.6		18.9		23.6
Max Q Clear Time (g_c+I1), s		24.2		11.4		2.0
Green Ext Time (p_c), s		0.0		1.2		4.1

Intersection Summary		
HCM 6th Ctrl Delay		14.1
HCM 6th LOS		B



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	445	1288	250	643	651	374
Future Volume (veh/h)	0	0	0	0	0	0	445	1288	250	643	651	374
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.98	1.00		0.98
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							454	1314	255	656	664	382
Peak Hour Factor							0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							594	2697	817	913	1335	768
Arrive On Green							0.34	1.00	1.00	0.26	0.61	0.61
Sat Flow, veh/h							3510	5187	1571	3510	2186	1257
Grp Volume(v), veh/h							454	1314	255	656	548	498
Grp Sat Flow(s),veh/h/ln							1755	1729	1571	1755	1805	1638
Q Serve(g_s), s							6.3	0.0	0.0	9.4	9.3	9.3
Cycle Q Clear(g_c), s							6.3	0.0	0.0	9.4	9.3	9.3
Prop In Lane							1.00		1.00	1.00		0.77
Lane Grp Cap(c), veh/h							594	2697	817	913	1103	1000
V/C Ratio(X)							0.76	0.49	0.31	0.72	0.50	0.50
Avail Cap(c_a), veh/h							594	2697	817	913	1103	1000
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.34	0.34	0.34	1.00	1.00	1.00
Uniform Delay (d), s/veh							17.2	0.0	0.0	18.5	6.0	6.0
Incr Delay (d2), s/veh							1.9	0.2	0.3	2.4	1.6	1.8
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							2.0	0.1	0.1	3.4	2.4	2.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							19.1	0.2	0.3	20.9	7.6	7.7
LnGrp LOS							B	A	A	C	A	A
Approach Vol, veh/h								2023			1702	
Approach Delay, s/veh								4.5			12.8	
Approach LOS								A			B	

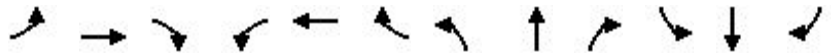
Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	20.0	35.0		15.0	40.0
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	14.3	* 29		9.3	* 34
Max Q Clear Time (g_c+I1), s	11.4	2.0		8.3	11.3
Green Ext Time (p_c), s	0.5	11.2		0.1	6.8

Intersection Summary	
HCM 6th Ctrl Delay	8.3
HCM 6th LOS	A

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	162	228	180	434	632	303	270	813	450	349	1234	313
Future Volume (veh/h)	162	228	180	434	632	303	270	813	450	349	1234	313
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	171	240	189	457	665	319	284	856	474	367	1299	329
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	246	421	351	1025	796	382	369	1039	924	393	1063	466
Arrive On Green	0.07	0.12	0.12	0.29	0.34	0.34	0.11	0.29	0.29	0.11	0.29	0.29
Sat Flow, veh/h	3510	3610	1559	3510	2351	1128	3510	3610	1579	3510	3610	1582
Grp Volume(v), veh/h	171	240	189	457	511	473	284	856	474	367	1299	329
Grp Sat Flow(s),veh/h/ln	1755	1805	1559	1755	1805	1673	1755	1805	1579	1755	1805	1582
Q Serve(g_s), s	4.5	5.9	4.4	9.9	24.5	24.5	7.4	20.8	0.0	9.7	27.6	17.4
Cycle Q Clear(g_c), s	4.5	5.9	4.4	9.9	24.5	24.5	7.4	20.8	0.0	9.7	27.6	17.4
Prop In Lane	1.00		1.00	1.00		0.67	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	246	421	351	1025	611	566	369	1039	924	393	1063	466
V/C Ratio(X)	0.70	0.57	0.54	0.45	0.84	0.84	0.77	0.82	0.51	0.93	1.22	0.71
Avail Cap(c_a), veh/h	393	1174	676	1025	779	722	580	1174	984	393	1063	466
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	42.6	39.2	12.4	27.0	28.6	28.6	40.9	31.2	11.7	41.3	33.1	29.5
Incr Delay (d2), s/veh	3.5	1.2	1.3	0.3	6.3	6.8	3.4	4.4	0.4	29.3	108.5	4.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	2.6	1.8	4.0	11.0	10.2	3.2	9.1	5.2	5.6	27.2	6.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	46.2	40.4	13.7	27.3	35.0	35.4	44.3	35.6	12.2	70.6	141.6	34.3
LnGrp LOS	D	D	B	C	C	D	D	D	B	E	F	C
Approach Vol, veh/h		600			1441			1614			1995	
Approach Delay, s/veh		33.6			32.7			30.3			110.9	
Approach LOS		C			C			C			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	15.0	31.5	31.9	15.4	14.4	32.1	11.1	36.3
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	30.5	20.5	30.5	15.5	25.5	10.5	40.5
Max Q Clear Time (g_c+I1), s	11.7	22.8	11.9	7.9	9.4	29.6	6.5	26.5
Green Ext Time (p_c), s	0.0	4.2	1.1	2.0	0.5	0.0	0.2	5.3

Intersection Summary	
HCM 6th Ctrl Delay	59.7
HCM 6th LOS	E

Intersection	
Intersection Delay, s/veh	76.4
Intersection LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	448	0	0	11	591	40	360	10	0	0	16	214
Future Vol, veh/h	448	0	0	11	591	40	360	10	0	0	16	214
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	477	0	0	12	629	43	383	11	0	0	17	228
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	161.7	42.5	63.3	25.7
HCM LOS	F	E	F	D

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	97%	100%	0%	4%	0%	0%
Vol Thru, %	3%	0%	100%	96%	88%	7%
Vol Right, %	0%	0%	0%	0%	12%	93%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	370	448	0	307	336	230
LT Vol	360	448	0	11	0	0
Through Vol	10	0	0	296	296	16
RT Vol	0	0	0	0	40	214
Lane Flow Rate	394	477	0	326	357	245
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.94	1.253	0	0.783	0.847	0.592
Departure Headway (Hd)	9.381	9.462	8.939	9.353	9.247	9.624
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	390	386	0	391	396	377
Service Time	7.381	7.162	6.639	7.053	6.947	7.624
HCM Lane V/C Ratio	1.01	1.236	0	0.834	0.902	0.65
HCM Control Delay	63.3	161.7	11.6	38.6	46.1	25.7
HCM Lane LOS	F	F	N	E	E	D
HCM 95th-tile Q	10.3	20.7	0	6.6	8	3.7

Intersection	
Int Delay, s/veh	3.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	191	293	161	19	5	75
Future Vol, veh/h	191	293	161	19	5	75
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	227	349	192	23	6	89

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	215	0	-	0	995	192
Stage 1	-	-	-	-	192	-
Stage 2	-	-	-	-	803	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1367	-	-	-	274	855
Stage 1	-	-	-	-	845	-
Stage 2	-	-	-	-	444	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1367	-	-	-	229	855
Mov Cap-2 Maneuver	-	-	-	-	229	-
Stage 1	-	-	-	-	705	-
Stage 2	-	-	-	-	444	-

Approach	EB	WB	SB
HCM Control Delay, s	3.2	0	10.7
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1367	-	-	-	730
HCM Lane V/C Ratio	0.166	-	-	-	0.13
HCM Control Delay (s)	8.2	-	-	-	10.7
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.6	-	-	-	0.4

Intersection	
Int Delay, s/veh	1.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	60	204	159	49	9	25
Future Vol, veh/h	60	204	159	49	9	25
Conflicting Peds, #/hr	2	0	0	2	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	69	234	183	56	10	29

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	241	0	-	0	557	185
Stage 1	-	-	-	-	185	-
Stage 2	-	-	-	-	372	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1337	-	-	-	495	862
Stage 1	-	-	-	-	852	-
Stage 2	-	-	-	-	702	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1334	-	-	-	467	860
Mov Cap-2 Maneuver	-	-	-	-	467	-
Stage 1	-	-	-	-	806	-
Stage 2	-	-	-	-	701	-

Approach	EB	WB	SB
HCM Control Delay, s	1.8	0	10.4
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1334	-	-	-	703
HCM Lane V/C Ratio	0.052	-	-	-	0.056
HCM Control Delay (s)	7.8	-	-	-	10.4
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.2	-	-	-	0.2

Intersection	
Int Delay, s/veh	2.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	103	109	206	18	4	22
Future Vol, veh/h	103	109	206	18	4	22
Conflicting Peds, #/hr	1	0	0	1	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	132	140	264	23	5	28

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	288	0	-	0	681	277
Stage 1	-	-	-	-	277	-
Stage 2	-	-	-	-	404	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1286	-	-	-	419	767
Stage 1	-	-	-	-	774	-
Stage 2	-	-	-	-	679	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1285	-	-	-	372	766
Mov Cap-2 Maneuver	-	-	-	-	372	-
Stage 1	-	-	-	-	687	-
Stage 2	-	-	-	-	678	-

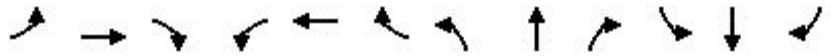
Approach	EB	WB	SB
HCM Control Delay, s	3.9	0	10.8
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1285	-	-	-	659
HCM Lane V/C Ratio	0.103	-	-	-	0.051
HCM Control Delay (s)	8.1	0	-	-	10.8
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.3	-	-	-	0.2

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	564	490	0	1740	628	0
Future Volume (veh/h)	564	490	0	1740	628	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1900	0	1900	1900	0
Adj Flow Rate, veh/h	581	505	0	1794	647	0
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	570	507	0	1721	1721	0
Arrive On Green	0.31	0.31	0.00	0.48	0.95	0.00
Sat Flow, veh/h	1810	1610	0	3800	3800	0
Grp Volume(v), veh/h	581	505	0	1794	647	0
Grp Sat Flow(s),veh/h/ln	1810	1610	0	1805	1805	0
Q Serve(g_s), s	18.9	18.8	0.0	28.6	0.8	0.0
Cycle Q Clear(g_c), s	18.9	18.8	0.0	28.6	0.8	0.0
Prop In Lane	1.00	1.00	0.00			0.00
Lane Grp Cap(c), veh/h	570	507	0	1721	1721	0
V/C Ratio(X)	1.02	1.00	0.00	1.04	0.38	0.00
Avail Cap(c_a), veh/h	570	507	0	1721	1721	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	2.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.82	0.00
Uniform Delay (d), s/veh	20.5	20.5	0.0	15.7	0.8	0.0
Incr Delay (d2), s/veh	42.6	38.8	0.0	33.7	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	13.3	11.2	0.0	16.5	0.3	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	63.2	59.3	0.0	49.4	1.3	0.0
LnGrp LOS	F	E	A	F	A	A
Approach Vol, veh/h	1086			1794	647	
Approach Delay, s/veh	61.4			49.4	1.3	
Approach LOS	E			D	A	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		35.0		25.0		35.0
Change Period (Y+Rc), s		6.4		6.1		6.4
Max Green Setting (Gmax), s		28.6		18.9		28.6
Max Q Clear Time (g_c+I1), s		30.6		20.9		2.8
Green Ext Time (p_c), s		0.0		0.0		4.2

Intersection Summary		
HCM 6th Ctrl Delay		44.3
HCM 6th LOS		D



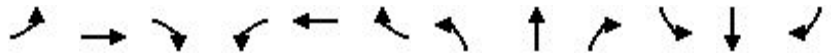
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	300	1694	240	718	658	412
Future Volume (veh/h)	0	0	0	0	0	0	300	1694	240	718	658	412
Initial Q (Qb), veh							0	0	0	0	0	0
Ped-Bike Adj(A_pbT)							1.00		0.98	1.00		0.98
Parking Bus, Adj							1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach								No			No	
Adj Sat Flow, veh/h/ln							1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h							306	1729	245	733	671	420
Peak Hour Factor							0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %							0	0	0	0	0	0
Cap, veh/h							837	2905	880	837	1182	738
Arrive On Green							0.48	1.00	1.00	0.24	0.56	0.56
Sat Flow, veh/h							3510	5187	1571	3510	2111	1319
Grp Volume(v), veh/h							306	1729	245	733	574	517
Grp Sat Flow(s),veh/h/ln							1755	1729	1571	1755	1805	1624
Q Serve(g_s), s							3.3	0.0	0.0	12.1	12.3	12.3
Cycle Q Clear(g_c), s							3.3	0.0	0.0	12.1	12.3	12.3
Prop In Lane							1.00		1.00	1.00		0.81
Lane Grp Cap(c), veh/h							837	2905	880	837	1011	910
V/C Ratio(X)							0.37	0.60	0.28	0.88	0.57	0.57
Avail Cap(c_a), veh/h							837	2905	880	837	1011	910
HCM Platoon Ratio							2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)							0.09	0.09	0.09	1.00	1.00	1.00
Uniform Delay (d), s/veh							12.8	0.0	0.0	22.0	8.5	8.5
Incr Delay (d2), s/veh							0.0	0.1	0.1	10.0	2.3	2.6
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							1.0	0.0	0.0	5.4	3.8	3.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh							12.8	0.1	0.1	32.0	10.8	11.1
LnGrp LOS							B	A	A	C	B	B
Approach Vol, veh/h								2280			1824	
Approach Delay, s/veh								1.8			19.4	
Approach LOS								A			B	

Timer - Assigned Phs	1	2		5	6
Phs Duration (G+Y+Rc), s	20.0	40.0		20.0	40.0
Change Period (Y+Rc), s	5.7	* 6.4		5.7	* 6.4
Max Green Setting (Gmax), s	14.3	* 34		14.3	* 34
Max Q Clear Time (g_c+I1), s	14.1	2.0		5.3	14.3
Green Ext Time (p_c), s	0.1	16.8		0.4	6.8

Intersection Summary	
HCM 6th Ctrl Delay	9.6
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	423	702	435	614	642	354	310	1150	499	290	670	232
Future Volume (veh/h)	423	702	435	614	642	354	310	1150	499	290	670	232
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	445	739	458	646	676	373	326	1211	525	305	705	244
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	453	797	526	658	622	343	389	1279	862	307	1194	523
Arrive On Green	0.13	0.22	0.22	0.19	0.28	0.28	0.11	0.35	0.35	0.09	0.33	0.33
Sat Flow, veh/h	3510	3610	1574	3510	2228	1228	3510	3610	1581	3510	3610	1583
Grp Volume(v), veh/h	445	739	458	646	548	501	326	1211	525	305	705	244
Grp Sat Flow(s),veh/h/ln	1755	1805	1574	1755	1805	1651	1755	1805	1581	1755	1805	1583
Q Serve(g_s), s	15.2	24.1	26.5	22.0	33.5	33.5	10.9	39.1	27.3	10.4	19.5	14.6
Cycle Q Clear(g_c), s	15.2	24.1	26.5	22.0	33.5	33.5	10.9	39.1	27.3	10.4	19.5	14.6
Prop In Lane	1.00		1.00	1.00		0.74	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	453	797	526	658	504	461	389	1279	862	307	1194	523
V/C Ratio(X)	0.98	0.93	0.87	0.98	1.09	1.09	0.84	0.95	0.61	0.99	0.59	0.47
Avail Cap(c_a), veh/h	453	797	526	658	504	461	483	1279	862	307	1194	523
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	52.1	45.8	37.8	48.5	43.3	43.3	52.3	37.7	18.9	54.7	33.4	31.8
Incr Delay (d2), s/veh	37.3	16.8	14.6	30.3	65.7	67.7	10.2	15.3	3.2	49.3	2.1	3.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.9	12.4	14.4	12.2	23.7	21.9	5.2	19.1	10.1	6.6	8.6	5.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	89.4	62.6	52.4	78.9	108.9	111.0	62.5	53.0	22.1	104.0	35.5	34.7
LnGrp LOS	F	E	D	E	F	F	E	D	C	F	D	C
Approach Vol, veh/h		1642			1695			2062			1254	
Approach Delay, s/veh		67.0			98.1			46.6			52.0	
Approach LOS		E			F			D			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	15.0	47.0	27.0	31.0	17.8	44.2	20.0	38.0
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	10.5	42.5	22.5	26.5	16.5	36.5	15.5	33.5
Max Q Clear Time (g_c+I1), s	12.4	41.1	24.0	28.5	12.9	21.5	17.2	35.5
Green Ext Time (p_c), s	0.0	1.1	0.0	0.0	0.4	4.6	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	65.8
HCM 6th LOS	E

Intersection	
Intersection Delay, s/veh	84.2
Intersection LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	198	0	0	10	557	14	285	7	0	0	35	593
Future Vol, veh/h	198	0	0	10	557	14	285	7	0	0	35	593
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	208	0	0	11	586	15	300	7	0	0	37	624
Number of Lanes	0	1	1	0	2	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	24.8	30.2	32	177.1
HCM LOS	C	D	D	F

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	98%	100%	0%	3%	0%	0%
Vol Thru, %	2%	0%	100%	97%	95%	6%
Vol Right, %	0%	0%	0%	0%	5%	94%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	292	198	0	289	293	628
LT Vol	285	198	0	10	0	0
Through Vol	7	0	0	279	279	35
RT Vol	0	0	0	0	14	593
Lane Flow Rate	307	208	0	304	308	661
Geometry Grp	2	5	5	5	5	2
Degree of Util (X)	0.714	0.546	0	0.696	0.701	1.314
Departure Headway (Hd)	9.177	10.363	9.836	9.056	9.003	7.156
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	397	350	0	401	403	509
Service Time	7.177	8.063	7.536	6.756	6.703	5.21
HCM Lane V/C Ratio	0.773	0.594	0	0.758	0.764	1.299
HCM Control Delay	32	24.8	12.5	30	30.3	177.1
HCM Lane LOS	D	C	N	D	D	F
HCM 95th-tile Q	5.4	3.1	0	5.1	5.2	28.3

Intersection	
Int Delay, s/veh	3.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	18	189	562	3	17	136
Future Vol, veh/h	18	189	562	3	17	136
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	115	-	-	115	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	21	225	669	4	20	162

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	673	0	-	0	936	669
Stage 1	-	-	-	-	669	-
Stage 2	-	-	-	-	267	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	927	-	-	-	297	461
Stage 1	-	-	-	-	513	-
Stage 2	-	-	-	-	782	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	927	-	-	-	290	461
Mov Cap-2 Maneuver	-	-	-	-	290	-
Stage 1	-	-	-	-	501	-
Stage 2	-	-	-	-	782	-

Approach	EB	WB	SB
HCM Control Delay, s	0.8	0	19.2
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	927	-	-	-	433
HCM Lane V/C Ratio	0.023	-	-	-	0.421
HCM Control Delay (s)	9	-	-	-	19.2
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	2

Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	26	188	483	20	46	59
Future Vol, veh/h	26	188	483	20	46	59
Conflicting Peds, #/hr	2	0	0	2	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	30	216	555	23	53	68

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	580	0	-	0	833	557
Stage 1	-	-	-	-	557	-
Stage 2	-	-	-	-	276	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1004	-	-	-	341	534
Stage 1	-	-	-	-	578	-
Stage 2	-	-	-	-	775	-
Platoon blocked, %			-	-	-	
Mov Cap-1 Maneuver	1002	-	-	-	329	533
Mov Cap-2 Maneuver	-	-	-	-	329	-
Stage 1	-	-	-	-	560	-
Stage 2	-	-	-	-	773	-

Approach	EB	WB	SB
HCM Control Delay, s	1.1	0	17
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1002	-	-	-	419
HCM Lane V/C Ratio	0.03	-	-	-	0.288
HCM Control Delay (s)	8.7	-	-	-	17
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	1.2

Intersection	
Int Delay, s/veh	2.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	26	218	414	5	18	98
Future Vol, veh/h	26	218	414	5	18	98
Conflicting Peds, #/hr	1	0	0	1	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	33	279	531	6	23	126

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	538	0	-	0	880	535
Stage 1	-	-	-	-	535	-
Stage 2	-	-	-	-	345	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1040	-	-	-	320	549
Stage 1	-	-	-	-	591	-
Stage 2	-	-	-	-	722	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1039	-	-	-	307	548
Mov Cap-2 Maneuver	-	-	-	-	307	-
Stage 1	-	-	-	-	568	-
Stage 2	-	-	-	-	721	-

Approach	EB	WB	SB
HCM Control Delay, s	0.9	0	15.6
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1039	-	-	-	488
HCM Lane V/C Ratio	0.032	-	-	-	0.305
HCM Control Delay (s)	8.6	0	-	-	15.6
HCM Lane LOS	A	A	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	1.3

Appendix I

Excerpt from AASHTO - Left Turn Lane Evaluation

Table 9-24. Suggested Left-Turn Lane Guidelines Based on Results from Benefit–Cost Evaluations for Unsignalized Intersections on Arterials in Urban Areas (*16*)

Left-Turn Lane Peak-Hour Volume (veh/h)	Three-Leg Intersection, Major-Road Volume (veh/h/ln) that Warrants a Left-Turn Lane	Four-Leg Intersection, Major-Road Volume (veh/h/ln) that Warrants a Left-Turn Lane
5	450	50
10	300	50
15	250	50
20	200	50
25	200	50
30	150	50
35	150	50
40	150	50
45	150	< 50
50 or More	100	< 50

Note: These guidelines apply where the major road is uncontrolled and the minor-road approaches are stop- or yield-controlled. Both the left-turn peak-hour volume and the major-road volume warrants should be met as shown in Figure 9-35.

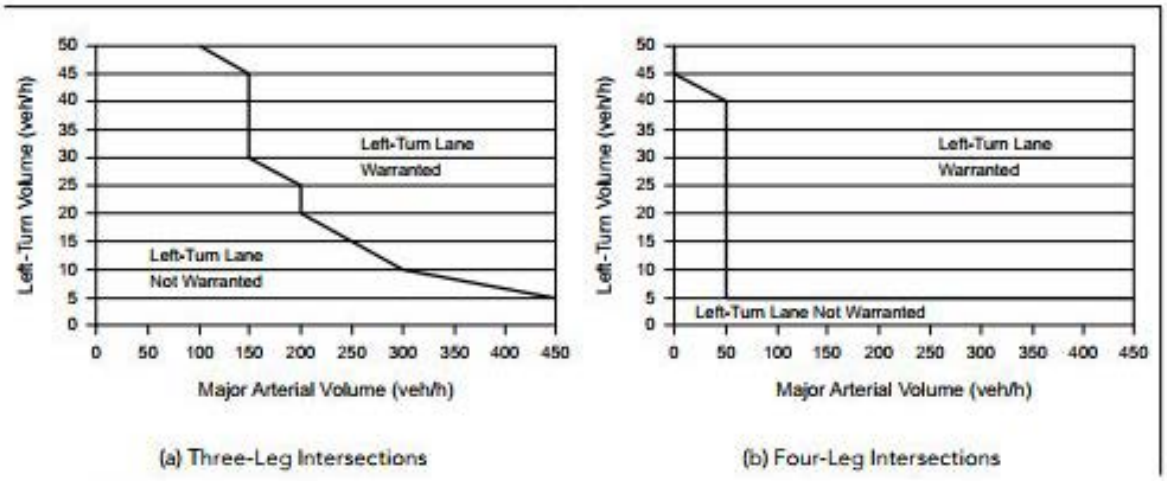


Figure 9-35. Suggested Left-Turn Lane Warrants Based on Results from Benefit–Cost Evaluations for Intersections on Arterials in Urban Areas (*16*)

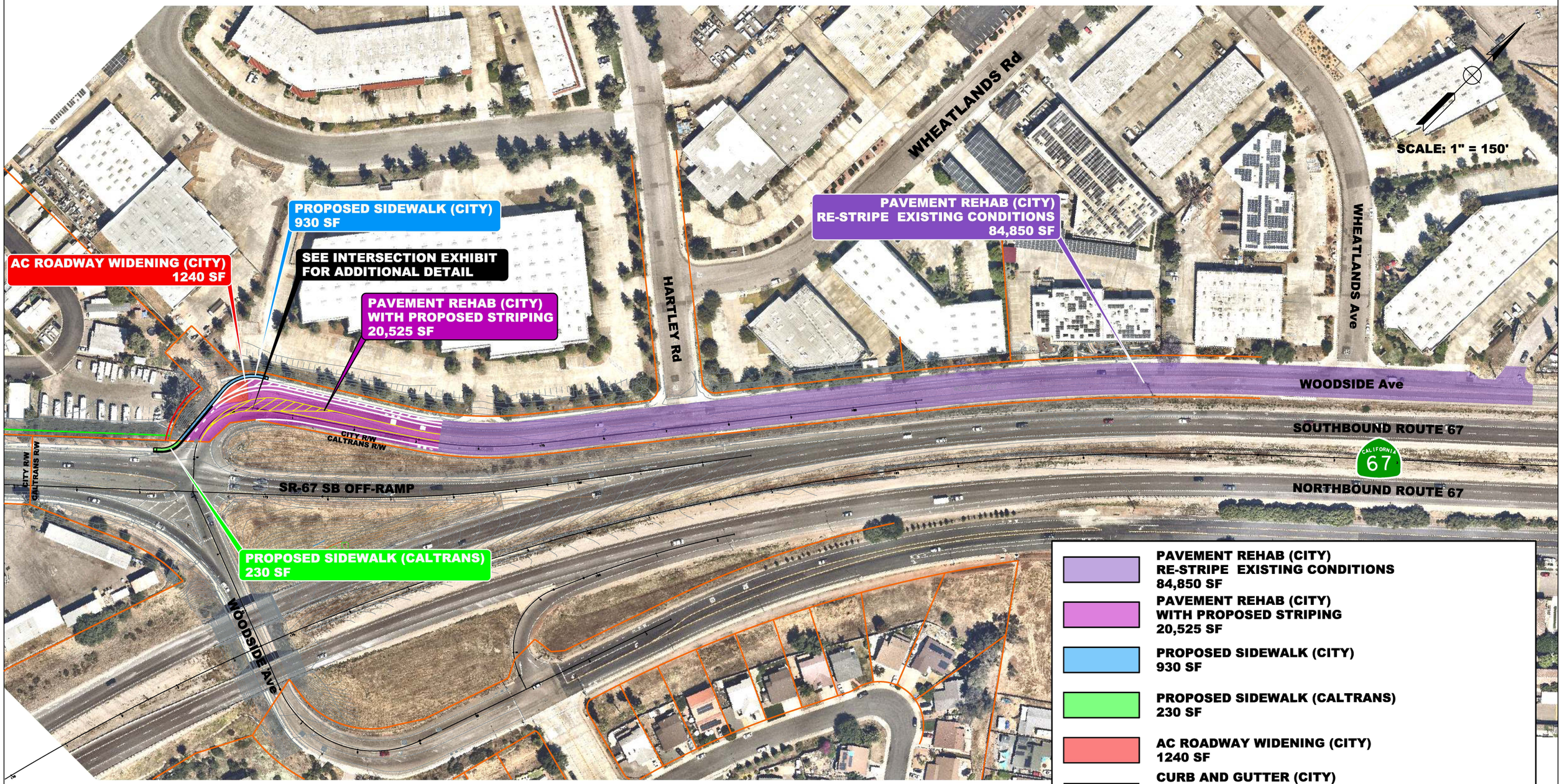
Copyright American Association of State Highway and Transportation Officials
Provided by IHS Markit under license with AASHTO
No reproduction or networking permitted without license from IHS
© 2018 by the American Association of State Highway and Transportation Officials
All rights reserved. Duplication is a violation of applicable law.

Appendix J

Conceptual Sketch - N. Woodside Avenue/
S. Woodside Avenue - SR-67 SB Off-Ramp Intersection

City of Santee

Southbound SR-67 Off-Ramp / N Woodside Ave Intersection



DOKKEN ENGINEERING

Improvement Exhibit - Option 1

Appendix K
Queuing Worksheets

Intersection: 4: Woodside Avenue & SR-67 SB Off-Ramp & N. Woodside Avenue

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	TR	LT	TR
Maximum Queue (ft)	239	97	372	253	279	93
Average Queue (ft)	113	6	167	127	123	48
95th Queue (ft)	208	49	352	245	259	83
Link Distance (ft)	1888	1888	1208		911	99
Upstream Blk Time (%)						0
Queuing Penalty (veh)						0
Storage Bay Dist (ft)				265		
Storage Blk Time (%)			4	3		
Queuing Penalty (veh)			13	8		

Intersection: 4: Woodside Avenue & SR-67 SB Off-Ramp & N. Woodside Avenue

Movement	EB	EB	WB	WB	NB	SB	B10
Directions Served	LT	R	LT	TR	LT	TR	T
Maximum Queue (ft)	560	914	138	97	209	170	314
Average Queue (ft)	119	286	66	34	81	119	62
95th Queue (ft)	410	822	108	69	159	194	271
Link Distance (ft)	1888	1888	1208		911	99	676
Upstream Blk Time (%)						27	
Queuing Penalty (veh)						171	
Storage Bay Dist (ft)				265			
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 4: Woodside Avenue & SR-67 SB Off-Ramp & N. Woodside Avenue

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	TR	LT	TR
Maximum Queue (ft)	758	604	370	274	347	115
Average Queue (ft)	434	80	192	147	180	54
95th Queue (ft)	850	474	356	278	344	98
Link Distance (ft)	1888	1888	1208		911	99
Upstream Blk Time (%)						1
Queuing Penalty (veh)						3
Storage Bay Dist (ft)				265		
Storage Blk Time (%)			8	4		
Queuing Penalty (veh)			23	13		

Intersection: 4: Woodside Avenue & SR-67 SB Off-Ramp & N. Woodside Avenue

Movement	EB	EB	WB	WB	NB	SB	B10
Directions Served	LT	R	LT	TR	LT	TR	T
Maximum Queue (ft)	389	771	160	102	187	170	367
Average Queue (ft)	89	263	73	36	78	149	81
95th Queue (ft)	257	640	124	77	154	198	266
Link Distance (ft)	1888	1888	1208		911	99	676
Upstream Blk Time (%)						49	
Queuing Penalty (veh)						308	
Storage Bay Dist (ft)				265			
Storage Blk Time (%)							
Queuing Penalty (veh)							

Appendix L

Applicant Prepared Request for Finding of Overriding Social, Economic, and Pedestrian Safety Benefit

NORTH PALISADE
PARTNERS

October 1, 2024

Mr. Michael Coyne
City of Santee
10601 Magnolia Ave.
Santee, CA 92071
(619) 258-4100 x 160
mcoyne@cityofsanteeca.gov

Via Email

Re: Request for Finding of Overriding Social, Economic, and Pedestrian Safety Benefit (Rev. 2)
10990 N. Woodside Avenue Santee, CA

Dear Mr. Coyne,

After considerable study and analysis, we are writing to respectfully make an appeal to the City of Santee (the City) to accept a Level of Service (LOS) of E at the CA-67 and N. Woodside Ave. intersection ("the intersection"). The Mobility Element of the General Plan dated October 25, 2017 requires under Policy 2.1, "the City shall encourage an automobile Level of Service "D" on street segments and at intersections throughout the circulation network while also maintaining or improving the effectiveness of the non - automotive components of the circulation system (i.e. pedestrians, bicyclists, and public transit), especially in the Town Center area."

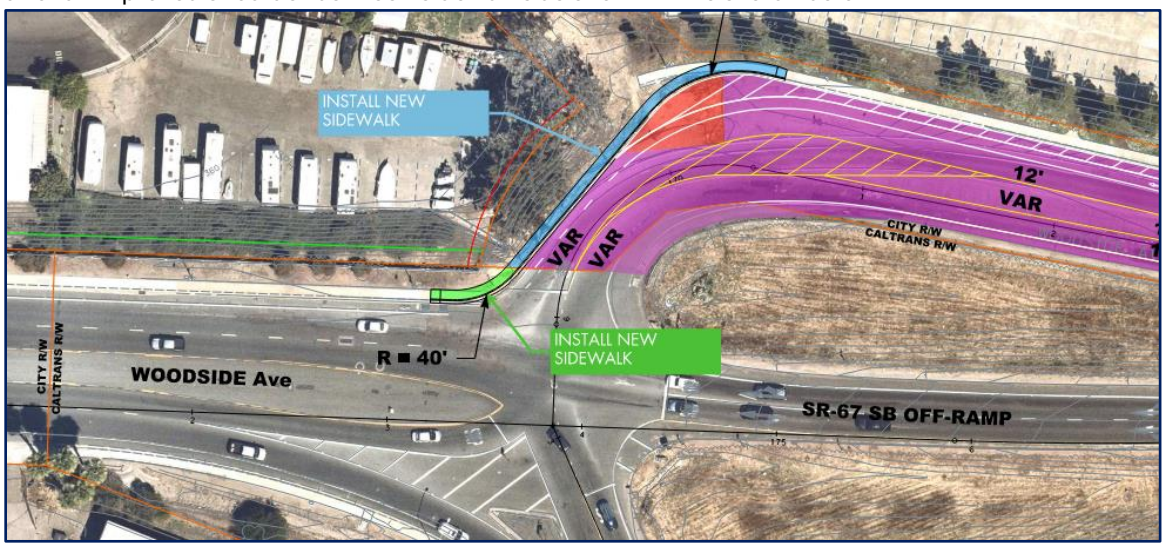
Over the past year, we have engaged in discussions with Caltrans, the City of Santee, our traffic engineer Dudek, our roadway engineer Dokken Engineering, and our Caltrans consultant The Tait Group, Inc. The conclusion to this extensive negotiation and review process is that the only improvement that Caltrans might accept at the intersection is the construction of a roundabout as documented in the Intersection Control Evaluation (ICE) dated December 1, 2017. Alternatively, a new ICE may be prepared, but would very likely yield the same result as the ICE dated December 1, 2017 and take up to a full year to complete.

We have obtained pricing for the construction of the roundabout proposed in the ICE dated December 1, 2017 and the cost of construction is in excess of $6,000,000. If conditioned to construct the roundabout, the economic burden and schedule uncertainty of Caltrans regulatory oversight would preclude development of the project.

We see no other path forward than to request that the City consider a substandard LOS at the intersection. Per the Mobility Element Policy 2.1, "the City may approve a lower automobile Level of Service if it finds that the effectiveness of non - automotive components of the circulation system would be maintained or improved as a result. In other cases, the City shall not approve any development that causes a drop in the level of service at a street segment or an intersection to LOS "E" or "F", after feasible mitigation, without overriding social, economic, or other benefits." We believe that the project meets the criteria described in Policy 2.1 and is eligible for consideration for a LOS of E at the intersection as described below:

- **The proposed improvements are feasible mitigation:** The only mitigation measure that we have identified that would be acceptable to Caltrans is the installation of the roundabout. As described above, the roundabout is economically infeasible and would preclude development of the project.

- **The effectiveness of non - automotive components of the circulation system would be maintained or improved as a result:** The project proposes to improve pedestrian circulation by installing a continuous sidewalk from N. Woodside Ave. on the east, through the street's intersection with the CA-67 offramp, and then join the existing sidewalk on Woodside Ave. on the west. Currently the sidewalk is discontinuous through this area, requiring pedestrians to traverse approximately 130'-0" of unimproved shoulder between sidewalks as shown in the sketch below:

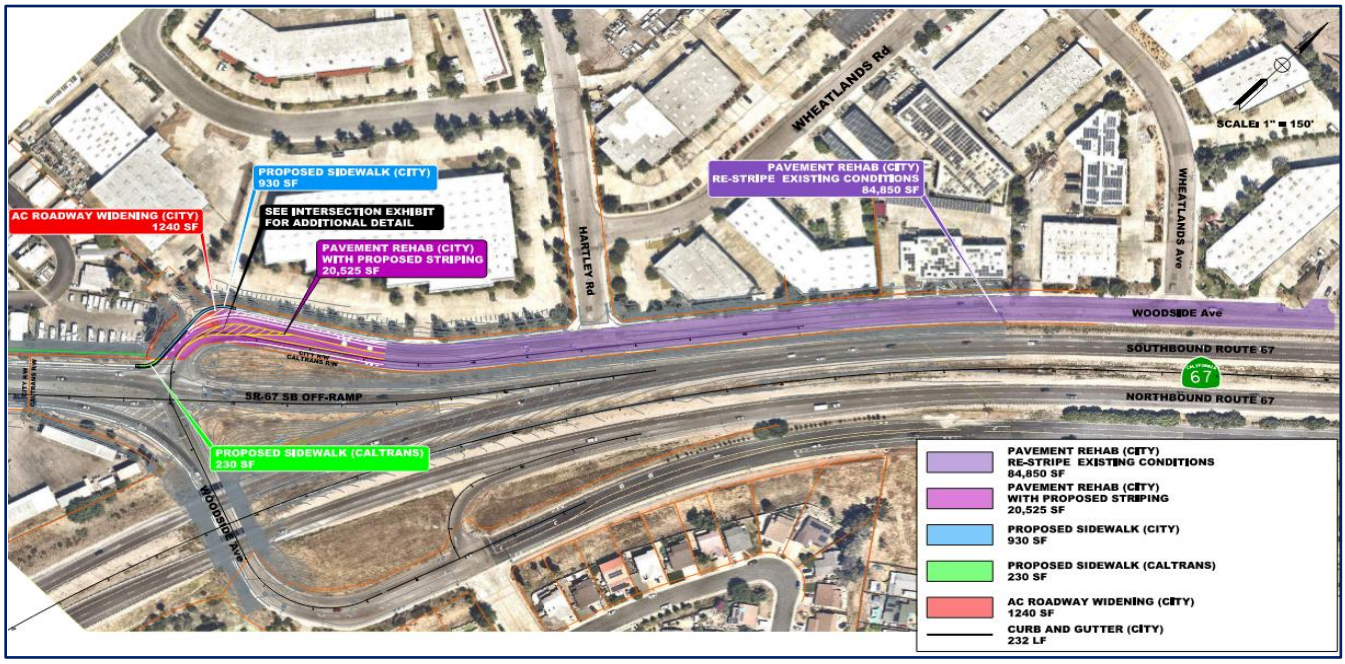


- **There are overriding economic benefits:** The project would generate substantial economic and social benefits to the City, its residents, and its businesses. In summary, the project would generate approximately $1.8M direct income to the City over a 10 year period. In addition, economically, the project would generate $23.5M in wages paid to construction workers and then upon completion $42.9M of labor income annually.

  In addition, the project proposes to repave to the satisfaction of the City Engineer N. Woodside Ave. starting from, on the west, where it meets the Caltrans right of way at the intersection of the CA-67 to, on the east, the eastern most edge of the project driveway's intersection with N. Woodside Ave. In addition, the project would install approximately 1,240 SF of new roadway to fill in an unpaved area between the edge of the existing roadway and the new proposed sidewalk.

  This section of Woodside Ave. has deteriorated over decades of use by local and through traffic, as well as from the truck traffic servicing the industrial park to the north of N. Woodside Ave. By funding and performing the repaving work, this project will create a significant public benefit, improving street conditions for both City residents and businesses in the industrial park and relieving this financial burden from the City of Santee.

  A sketch showing the conceptual scope of the work is shown below:



Please note that the section of sidewalk and section of street resurfacing shown below fall within the jurisdiction of Caltrans. The project will make commercially reasonable efforts to secure encroachment permits from Caltrans, however it may not be possible.

To further demonstrate compliance with the Mobility Element, we have described how the project complies with each Policy in the pages that follow.

Complete Streets

Objective 1.0: Ensure that the existing and future transportation system is accessible, safe, reliable, efficient, integrated, convenient, well connected and multimodal. The system will accommodate active transportation, and accommodate people of all ages and abilities, including pedestrians, disabled, bicyclists, users of mass transit, motorists, emergency responders, freight providers and adjacent land uses.

Policy 1.1: The City shall provide integrated transportation and land use decisions that enhance smart growth development served by complete streets, which facilitate multimodal transportation opportunities.

Not applicable.

Policy 1.2: The City should design streets in a manner that is sensitive to the local context and recognizes that needs vary between mixed use, urban, suburban, and rural settings.

Not applicable.

Policy 1.3: The City shall ensure that the entire right-of-way is designed to accommodate appropriate modes of transportation.

Complies; the project is providing a 6'-0" wide right of way dedication along Woodside Ave.

Policy 1.4: The City should create a vibrant town center by developing a connected system of multi-modal corridors that encourage walking, biking, and riding transit. A mobility hub should be considered at the existing Santee Trolley Square providing features such as bikeshare, bike parking, carshare, neighborhood electric vehicles, real- time traveler information, demand-based shuttle services, wayfinding signage, bicycle and pedestrian improvements, urban design enhancements, etc.

Not applicable.

Policy 1.5: The City should regularly review, update and collect adequate transportation impact fees (TIF) and ensure the efficient allocation of state and regional funding sources for the development and maintenance of local transportation (across all modes) improvements and operations.

Complies; the project will pay its required TIF prior to issuance of a building permit.

Streets and Freeway System

Objective 2.0: Develop an efficient, safe and multi-modal transportation network, consisting of local roads, collectors, arterials, freeways and transit services, in a manner that promotes the health and mobility of Santee residents and that meets future circulation needs, provides access to all sectors of the City, and supports established and planned land uses.

The project will widen and improve N. Woodside Avenue to its designated ROW width where the project site boundary abuts the N. Woodside Avenue right-of-way. The project will then install a dedicated left turn pocket to allow northbound traffic on N. Woodside Avenue to turn into the project's driveway.

In addition, the project proposes to repave to the satisfaction of the City Engineer N. Woodside Ave. starting from, on the west, where it meets the Caltrans right of way at the intersection of the CA-67 to, on the east, the eastern most edge of the project driveway's intersection with N. Woodside Ave. In addition, the project would

install approximately 1,240 SF of new roadway to fill in an unpaved area between the edge of the existing roadway and the new proposed sidewalk.

Policy 2.1: The City shall encourage an automobile Level of Service "D" on street segments and at intersections throughout the circulation network while also maintaining or improving the effectiveness of the non-automotive components of the circulation system (i.e. pedestrians, bicyclists, and public transit), especially in the Town Center area. The City may approve a lower automobile Level of Service if it finds that the effectiveness of non-automotive components of the circulation system would be maintained or improved as a result. In other cases, the City shall not approve any development that causes a drop in the level of service at a street segment or an intersection to LOS "E" or "F", after feasible mitigation, without overriding social, economic, or other benefits.

The N. Woodside Avenue and CA-67 off-ramp intersection currently functions at acceptable levels of service. With the addition of the project, this intersection falls to a level of service E as shown in the table below:

No.	Intersection	LOS Method	Without Project				Plus Project				Change in Delay		Above Allowable Change for Project Traffic Effect	
			AM Peak		PM Peak		AM Peak		PM Peak					
			Delay [1]	LOS [2]	Delay [1]	LOS [2]	Delay [1]	LOS [2]	Delay [1]	LOS [2]	AM	PM	AM	PM
Existing Conditions														
4	Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp	AWSC	22.7	C	23.3	C	**39.3**	**E**	**45.0**	**E**	**16.6**	**21.7**	**Yes**	**Yes**
Near Term Conditions														
4	Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp	AWSC	25.3	D	28.6	D	**45.1**	**E**	**53.5**	**F**	**19.8**	**24.9**	**Yes**	**Yes**
Horizon Year Conditions														
4	Woodside Avenue/S. Woodside Avenue - SR-67 SB Off-Ramp	AWSC	**62.9**	**F**	**70.1**	**F**	**76.4**	**F**	**84.2**	**F**	**13.5**	**14.1**	**Yes**	**Yes**

Notes: HCM = Highway Capacity Manual; **X** – Unsatisfactory operating conditions/LOS; AWSC – All-Way Stop Control
[1] Delay in seconds per vehicle
[2] Level of Service (LOS)

The project proposes off-set these impacts by first improving pedestrian circulation by installing a continuous sidewalk from N. Woodside Ave. on the east, through the street's intersection with the CA-67 offramp, and then join the existing sidewalk on Woodside Ave. on the west. Currently the sidewalk is discontinuous through this area, requiring pedestrians to traverse approximately 130'-0" of unimproved shoulder between sidewalks. Second, the project proposes to repave to the satisfaction of the City Engineer N. Woodside Ave. starting from, on the west, where it meets the Caltrans right of way at the intersection of the CA-67 to, on the east, the eastern most edge of the project driveway's intersection with N. Woodside Ave. In addition, the project would install approximately 1,240 SF of new roadway to fill in an unpaved area between the edge of the existing roadway and the new proposed sidewalk.

The project's fiscal and economic benefits are summarized in the excerpt from the study prepared by London Moeder Advisors below:

Total Fiscal Impact

- *The gross annual property tax will increase from approximately $32,548 to approximately $780,809, creating a net increase in property tax revenue of $748,262.*
- *The operation of the building is projected to generate gross annual sales tax revenue of $51,850.*

Fiscal Impact to City Upon project Completion

- *The gross annual sales tax to the City of Santee is projected to increase to $4,683.*
- *The gross annual property tax revenue to the City of Santee will increase from approximately $6,392 to $153,351.*
- *Over a 10-year period, the City is expected to receive $1,640,342 in combined sales and property tax revenue. (Based on property taxes paid, of which the City receives 19.64%.)*
- *After deducting projected City expenses, total annual net surplus for the City of approximately $164,034 annually ($1,640,342 over a ten-year period).*
- *The project will pay to the City approximately $634,206 in project development impact fees.*
- *In total, over a 10-year period, the net benefit to the City is $1,640,342 (sales & property tax) + $634,203 (development fees) - $452,407 (city expenses) = $1,822,141 (net benefit).*

Construction Economic Impact

- *On-site construction is expected to generate 312 direct full-time equivalent jobs during an approximately 12-month construction period.*
- *These 312 full-time equivalent jobs will generate $23,560,802 million in wages paid to local and regional workers. This equates to an annual labor income of $75,515 per employee.*
- *Spending by construction workers and local construction material procurement is projected to generate $16,108 in sales tax revenue to the City of Santee.*

Permanent Economic Impact

- *Employment at the completed building is expected to generate 185 direct new jobs.*
- *The business activity at the completed building is expected to generate 297 indirect and induced permanent jobs.*
- *In total, the business activity at the completed building is expected to generate 482 direct, indirect and induced permanent jobs.*
- *Total direct, indirect and induced labor income of $42.9 million annually.*
- *Business activity at the completed building is expected to generate $4,683 in sales tax revenue to the City of Santee.*
- *Total annual economic output of $132.8 million, which is defined as the total annual production value of each industry or commodity. This is important to the City of Santee because it details the sum of value added and intermediate inputs. Value added is essentially a company's GDP. Intermediate inputs are commodities that require further processing or distribution before they are ready for sale to the final user.*

Policy 2.2: The City should ensure adequate accessibility for all modes to the northern undeveloped area of the City by designating a functional network of public streets for future dedication either prior to, or concurrent with anticipated need.
Not applicable.

Policy 2.3: The City shall establish minimum design standards for streets, which include grade, widths, alignment and public improvement requirements in a City design manual.
Where applicable, the design of the off-site improvements proposed by the project will comply with the standards of the City design manual.
Policy 2.4: The City shall manage the existing truck route network for use by City serving heavy commercial and industrial traffic to provide for a safe circulation system for all drivers.
Confirmed, the project is located along a designated truck route.
Policy 2.5: The City should not allow city streets to be used for through-City truck traffic.
Confirmed, the project is located along a designated truck route.
Policy 2.6: The City should encourage traffic circulation improvements such as, but not limited to, enhanced roadway markings, synchronized traffic signals, and Intelligent Transportation System (ITS) network management.
The design of the proposed off-site improvements will incorporate the latest roadway marking standards.
Policy 2.7: The City should coordinate with Caltrans, SANDAG, MTS, and other responsible agencies to identify, plan, and implement needed transportation improvements.
One segment of sidewalk and one area of repaving fall within the jurisdiction of Caltrans and the project will make commercial reasonable efforts to obtain approval from Caltrans prior to starting any work.
Policy 2.8: The City shall actively pursue local, state and federal funding for circulation and safety related public improvement projects.
Not applicable.
Policy 2.9: The City should work with the region to develop traffic and congestion management programs to improve commute times and improve air quality.
Not applicable.
Objective 3.0: Upgrade and maintain Santee transportation corridors to meet the safety needs of all roadway users – including youth and elderly and travelers of varying physical abilities – and to provide a well-connected system throughout the City.
The project proposes to improve pedestrian circulation by installing a continuous sidewalk from N. Woodside Ave. on the east, through the street's intersection with the CA-67 offramp, and then join the existing sidewalk on Woodside Ave. on the west. Currently the sidewalk is discontinuous through this area, requiring pedestrians to traverse approximately 130'-0" of unimproved shoulder between sidewalks.
Policy 3.1: The City shall encourage the development of improved signalization and intersection design while taking into consideration the safety of all modes.
Caltrans has indicated that the installation of a signal at intersection of N. Woodside Ave. and CA-67 would not be acceptable.

Policy 3.2: The City should encourage the utilization of traffic control devices, such as center medians and/or left-turn pockets where appropriate and that do not conflict with safety, and discourage the installation of median cuts where traffic safety cannot be assured.

The project will then install a dedicated left turn pocket to allow northbound traffic on N. Woodside Avenue to turn into the project's driveway.

Policy 3.3: The City shall ensure that newly constructed roadways are designed to permit rapid access for emergency vehicles.

Not applicable.

Policy 3.4: The City shall provide adequate traffic control devices throughout the City to ensure safe and efficient mobility.

The design of the proposed off-site improvements will incorporate the traffic control devices where required.

Policy 3.5: The City shall encourage the use of innovative methods for traffic control (such as roundabouts, curb extensions, and traffic circles) where appropriate that add character, slow vehicle speeds, and create opportunity for improved aesthetics while effectively managing traffic.

Due to the complexities and cost associated with installing a roundabout at the intersection of N. Woodside Ave. and CA-67, the project cannot feasibly or economically construct this improvement.

Policy 3.6: Based on available funding, the City shall assure all City streets are maintained in a safe condition through implementation of the Pavement Management System. Policy 3.7: The City should review high crash locations, injuries and fatalities by mode on an annual basis and seek feasible solutions.

Not applicable.

Objective 4.0: Maximize the utilization of site planning techniques to improve traffic safety.

The project will widen and improve N. Woodside Avenue to its designated ROW width where the project site boundary abuts the N. Woodside Avenue right-of-way. The project will then install a dedicated left turn pocket to allow northbound traffic on N. Woodside Avenue to turn into the project's driveway.

Policy 4.1: The City shall encourage new subdivision development be designed in a manner where driveways do not take direct access from prime arterials, major roads or collector streets.

Not applicable.

Policy 4.2: The City should encourage the use of Neighborhood Traffic Management controls to lower residential speeds and discourage cut-through traffic. The City should prepare a traffic calming policy manual to guide City efforts in managing these neighborhood traffic safety concerns.

Not applicable.

Policy 4.3: The City shall promote design standards that allow for safe and efficient transport, delivery, loading and unloading of goods from service vehicles within commercial and industrial areas.

Complies, all loading and unloading activities on occurs on the project site and out of the public right-of-way.

Policy 4.4: The City should pursue minimization of the number of entrances and exits to strategic locations along major thoroughfares by requiring the establishment of shared driveways and reciprocal access between adjoining properties.

Not applicable.

Policy 4.5: The City should establish and implement appropriate setback and off-street parking requirements.

Complies, the project complies with the set-back and off-street parking requirements for the Light Industrial zone.

Parking Objective 5.0: Allow parking reductions around transit and affordable housing.

Not applicable.

Policy 5.1: The City should consider reducing parking requirements in the town center area and at transit stations as transit ridership increases over time due to increased development intensities and a broader mix of land uses.

Not applicable.

Policy 5.2: The City should maximize shared parking opportunities for uses with varied peak parking periods.

Not applicable.

Policy 5.3: The City should exercise flexibility in the application of parking standards to support transit-oriented development.

Not applicable.

Public Transit Objective 6.0: Increase the use of public transit systems.

Policy 6.1: The City should coordinate with SANDAG and MTS to maintain and enhance transit services in the City so that they are efficient, cost-effective, and responsive to growth and redevelopment.

Not applicable.

Policy 6.2: The City should coordinate with SANDAG and MTS to improve bus stop and shelter facilities to increase the comfort of users.

Not applicable.

Policy 6.3: The City should coordinate with SANDAG and MTS to provide multi-modal support facilities and adequate access near and to/from transit stops for bicyclists and pedestrians, including children and youth, seniors, and persons with disabilities.

Not applicable.

Policy 6.4: The City should coordinate with SANDAG and MTS to post route maps and pick-up/drop-off times at each stop.

Not applicable.

Policy 6.5: The City should coordinate with MTS to encourage establishing transit stops in areas of concentrated activity such as near senior housing projects, medical facilities, major employment centers, and mixed use areas.

Not applicable.

Policy 6.6: The City should coordinate with MTS to accommodate transit centers and major stops with adequate bicycle and pedestrian access and secure bicycle storage where appropriate. Include facilities that are well designed, provide appropriate lighting and are safe, comfortable, and attractive.

Not applicable.

Policy 6.7: The City should provide incentives for transit-oriented development, such as a parking reduction consistent with regional standards, for more intense development and higher density residential uses along major transportation corridors or in areas accessible to transit use.

Not applicable.

Bicycling Objective 7.0: Develop, maintain, and support a safe, comprehensive and integrated bikeway system that encourages bicycling, as documented in the City's Bicycle Master Plan (BMP).

The current level of bicycle access and lanes would be maintained. On-site, the project would provide bicycle parking to encourage the use of bicycles by commuters.

Policy 7.1: The City shall continue to implement and maintain a comprehensive bicycle route system, and to designate appropriate bikeways through the regular update of the City's Bicycle Master Plan.

Not applicable.

Policy 7.2: The City should strive to achieve objectives and policies identified in the Bicycle Master Plan including those related to bicycle safety awareness, bicycle promotion, maintenance and monitoring. Educational awareness programs shall include an environmental component that teaches bicycle users the importance of staying on designated trails to minimize impacts to wildlife resources.

Not applicable.

Policy 7.3: The City should promote the development of hiking and bicycle trails along the San Diego River in conjunction with the San Diego River Plan. Any plans for trails along the San Diego River shall be accompanied by a site-specific analysis, as required under CEQA, to confirm that such trails are consistent with the Subarea Plan (SAP) and located in the least environmentally sensitive areas.

Not applicable.

Policy 7.4: The City should require new development and redevelopment to provide connections to existing and proposed bicycle routes, where appropriate.

Confirmed, the project driveway will connect with the existing bicycle lane along N. Woodside Ave.

Policy 7.5: The City should keep abreast of bicycle facility innovations in other cities and regions, and seek to incorporate these into the bicycle network.

Not applicable.

Pedestrian Environment Objective 8.0: Develop and maintain an accessible, safe, complete and convenient pedestrian system that encourages walking.

The project proposes to improve pedestrian circulation by installing a continuous sidewalk from N. Woodside Ave. on the east, through the street's intersection with the CA-67 offramp, and then join the existing sidewalk on Woodside Ave. on the west. Currently the sidewalk is discontinuous through this area, requiring pedestrians to traverse approximately 130'-0" of unimproved shoulder between sidewalks.

Policy 8.1: The City should require the incorporation of pedestrian-friendly design concepts where feasible including separated sidewalks and bikeways, landscaped parkways, traffic calming measures, safe intersection designs and access to transit facilities and services into both public and private developments.

The project proposes to improve pedestrian circulation by installing a continuous sidewalk from N. Woodside Ave. on the east, through the street's intersection with the CA-67 offramp, and then join the existing sidewalk

on Woodside Ave. on the west. Currently the sidewalk is discontinuous through this area, requiring pedestrians to traverse approximately 130'-0" of unimproved shoulder between sidewalks.

Policy 8.2: The City should provide for the connectivity of wide, well-lit sidewalks and environments with safety buffers between pedestrians and vehicular traffic, where feasible.

The installation of a safety buffer between the sidewalk and N. Woodside Ave. is not feasible due to the right-of-way width constraint.

Policy 8.3: The City should pursue the elimination of physical barriers around public facilities and commercial centers to improve access and mobility of the elderly and disabled in a manner consistent with the Title 24 of the California Code of Regulations and the federal Americans with Disabilities Act (ADA).

Not applicable.

Policy 8.4: The City shall require non-contiguous sidewalks on all streets with a residential collector classification or higher, as appropriate.

The project proposes to improve pedestrian circulation by installing a continuous sidewalk from N. Woodside Ave. through its intersection with the CA-67 offramp. Currently the sidewalk is discontinuous through the intersection, leaving pedestrians to traverse approximately 130'-0" of unimproved shoulder between sidewalks. The project also proposes to install a crosswalk from the north side of the intersection to the south side, with two pedestrian areas of refuge.

Policy 8.5: The City should identify and implement pedestrian improvements with special emphasis on providing safe access to schools, parks, community and recreation centers, and shopping districts.

Not applicable.

Policy 8.6: The City should promote walking and improve the pedestrian experience by requiring pedestrian facilities along all classified streets designated on the Circulation Plan; by implementing streetscape improvements along pedestrian routes that incorporate such elements as shade trees, street furniture, and lighting; by orienting development toward the street; by employing traffic calming measures; and by enforcing vehicle speeds on both residential and arterial streets.

Not applicable.

Policy 8.7: The City should promote walking as the primary travel mode for the school trip through implementing the citywide Safe Route to School Plan. Policy 8.8: The City should improve pedestrian safety at intersections and mid-block crossings, where appropriate.

Not applicable.

Policy 8.9: On all primary pedestrian corridors, the City shall ensure adequate green time, based on established standards, at all crosswalks that allow the elderly and disabled to cross City streets on a single green light.

Not applicable.

Policy 8.10: The City should provide connected network of safe pedestrian crossings throughout the City.

Not applicable.

Policy 8.11: The City should enhance pedestrian visibility by enforcing parking restrictions at intersection approaches, improving street lighting, and minimizing obstructions.

Not applicable.

Transportation Demand Management

Objective 9.0: Increased use of alternative modes of travel to reduce peak hour vehicular trips, save energy, and improve air quality.

The project is proposing a variety of mitigation measures that address transportation demand management:

- *Implement Commute Trip Reduction Marketing: The project's tenant will provide information to its employees about local bus routes, bicycle routes, ride sharing services, on-demand transportation services, and on-site bicycle facilities.*
- *Provide Ridesharing Program: The project tenant will promote ride-sharing programs through a multi-faceted approach, such as designating a certain percentage of parking spaces for ride-sharing vehicles, designating adequate passenger loading and unloading and waiting areas for ride-sharing vehicles, and/or providing a website or message board for coordinating rides.*
- *Implement Subsidized or Discounted Transit Program: The project tenant would provide or reimburse the cost of monthly transit passes (such as Pronto card or mobile app) to the employees who use bus or rail transit to work to create incentive programs that reward employees for utilizing non-single occupancy vehicles to commute.*
- *Provide End of Trip Bicycle Facilities: The project will provide at least 15 bicycle parking spaces per City's parking code requirement.*

Policy 9.1: The City shall encourage and provide for Ride Sharing, Park 'n Ride, and other similar commuter programs that eliminate vehicles from freeways and arterials.

The project is proposing a variety of mitigation measures that address transportation demand management as described above.

Policy 9.2: The City should encourage businesses to provide flexible work schedules for employees.

Noted, however the project's tenant will be responsible for determining the final employee schedules.

Policy 9.3: The City should encourage employers to offer shared commute programs and/or incentives for employees to use transit.

The project is proposing a variety of mitigation measures that address transportation demand management as described above.

Policy 9.4: The City should encourage the use of alternative transportation modes, such as walking, cycling and public transit. The City should maintain and implement the policies and recommendations of the Bicycle Master Plan and Safe Routes to School Plan to improve safe bicycle and pedestrian access to major destinations.

The project is proposing a variety of mitigation measures that address transportation demand management as described above.

Policy 9.5: The City should improve safety of walking and biking environment around schools to reduce school-related vehicle trips.

Not applicable.

Regional Transportation Coordination Objective 10.0: The City shall remain actively involved in regional issues.

Not applicable.

Policy 10.1: The City should promote and support the continued expansion of the San Diego Trolley system which benefits residents of Santee, especially in higher density areas.

Not applicable.

Policy 10.2: The City supports necessary improvements to regional airport facilities, excluding any proposal to site a new regional airport at the Marine Corps Air Station Miramar.

Not applicable.

Policy 10.3: Any future extension of SR-125 north of SR-52 shall utilize the existing SR-52 bridge over the San Diego River and no such alignment shall occur within the City's limits.

Not applicable.

Policy 10.4: The City supports the widening of SR-52 and SR-67.

Not applicable.

Policy 10.5: The City shall oppose the installation of freeway on-ramp meters unless appropriate mitigation is provided by Caltrans for impacts to City streets caused by such metering.

Not applicable.

Policy 10.6: The City supports the connection of Caltrans traffic signals on City streets to the City's interconnected traffic signal system to maintain traffic flow.

Not applicable. The CA-67 exit at N. Woodside Ave. is not signalized.

Thank you for considering this request. Please kindly let us know if we can provide any additional information.

Respectfully submitted,

William Jacobs
Senior Development Manager
North Palisade Partners

Appendix M
Water Study

Technical Memoradum

Date:	Tuesday, April 11, 2023
Project:	Water Study for Development at 10990 North Woodside Drive
To:	Vincent De Anda, Lewis Clapp, Padre Dam Municipal Water District
From:	Joel Engleson, HDR
Subject:	**Water Study for Development at 10990 North Woodside Drive**

1 Introduction

A development is planned near 10990 North Woodside Drive in Santee, California (Development) located within the Padre Dam Municipal Water District (District) service area. The Development is proposed to be connected to the District's potable water distribution system for services including fire flow.

This study uses the District's current potable distribution system hydraulic model to estimate the available fire flow at the development location and investigates potential connection points and system improvement alternatives for supplying required fire flow while satisfying the District's distribution system evaluation criteria.

2 Hydraulic Analysis

The hydraulic analysis was performed using the District's distribution system hydraulic model which was last updated as part of the District's 2022 Master Plan Update (Master Plan). The analysis was performed using the hydraulic modeling software package InfoWater Pro® 3.0 by Innovyze®, an Autodesk® company.

2.1 Criteria

The hydraulic analysis was based on existing District criteria as defined in the Master Plan as well as specific fire flow criteria for the Development. Specifically, this analysis focuses on fire flow criteria, including:

Development Specific Criteria:

- Fire flow required: 4,000 gallons per minute (gpm)
- Fire flow duration: 4 hours
    - Model run as extended period simulation (EPS) to represent fire flow duration
    - Fire flow modeled during high demand hours between 6 and 10 am

Mater Plan Criteria:

- Minimum Pressure Criteria:
    - Maximum day demand (MDD) + fire flow (FF) conditions: 20 pounds per square inch (psi)

- Maximum Velocity Criteria:
  - MDD + FF conditions: 10 feet per second (fps) for existing pipes
  - MDD + FF conditions: 15 feet per second (fps) for new pipes
- Pump Station Operation:
  - Largest capacity pump in each pump station offline

2.2 Modeled Available Fire Flow

For this analysis, the existing maximum day demand plus fire flow (2019_MDD_FF) scenario in the District's hydraulic model was used to estimate available fire flow at the Development location with various connection points to the existing distribution system. Three alternatives were considered for connection points to the Development, including:

1. Connection to the looped 12-inch pipe in Woodside Avenue
2. Connection to both the 8-inch and the 12-inch pipes in Woodside Avenue
3. Upsizing a dead-end 12-inch pipe in Woodside Avenue to 16-inch and connecting

These three scenarios were added to the District's hydraulic model and analyzed per the Master Plan evaluation criteria. This section discusses the model results.

2.2.1 Alternative 1: Connection to the Looped 12-inch pipe in Woodside Avenue

Fire flow for the Development was modeled off an existing 12-inch pipe in Woodside Avenue, as shown in Figure 1. This 12-inch pipe is part of a loop that also includes 8-inch diameter pipe which loops into an additional 8-inch pipe in Wheatlands Avenue. Model results indicate approximately 4,100 gpm available fire flow at the location.

Pipeline velocities are the limiting factor to the available fire flow for this alternative with the highest velocities of approximately 10 fps in the connecting 12-inch pipe. Model results indicate system residual pressures remain well above the 20 psi minimum per the criteria. Model results indicate a residual pressure of 94 psi at the connection point under MDD plus the 4,100 gpm fire flow conditions.

2.2.2 Alternative 2: Connection to both the 8- and 12-inch pipes in Woodside Avenue

Fire flow for the Development was modeled off the existing 8-inch and 12-inch pipes in Woodside Avenue, as shown in Figure 2. Model results indicate approximately 6,600 gpm available fire flow combined with these two connection points with 4,100 gpm available off the 12-inch pipe and 2,500 gpm available off the 8-inch pipe. The model was run with both fire flow demands pulling water off the system at the same time.

Pipeline velocities in the 8- and 12-inch pipes in Woodside Avenue are the limiting factor to the available fire flow for this alternative with the highest velocities of approximately 10 fps in both pipelines. Model results indicate system residual pressures remain well above the 20 psi minimum per the criteria. Model results indicate residual pressures of 74 psi and 70 psi at the 12-inch and 8-inch connection points, respectively, under MDD plus the 6,600 gpm fire flow conditions.

2.2.3 Alternative 3: Upsize Dead-End 12-inch in Woodside Avenue to 16-inch

Fire flow for the Development was modeled with an existing dead-end pipe off the 12-inch pipe in Woodside Avenue upsized to 16-inch and a single connection at the end of the upsized pipe, as shown in Figure 3. Model results indicate approximately 4,100 gpm available fire flow at the connection location.

Pipeline velocities are the limiting factor to the available fire flow for this alternative with the highest velocities of approximately 10 fps in the connecting 12-inch pipe. Model results indicate system residual pressures remain well above the 20 psi minimum per the criteria. Model results indicate a residual pressure of 94 psi at the connection point under MDD plus the 4,100 gpm fire flow conditions.

Figure 1. Alternative 1: Connection to the 12-inch pipes in Woodside Avenue

Figure 2. Alternative 2: Connection to both the 8- and 12-inch pipes in Woodside Avenue

Figure 3. Alternative 3: Upsize Dead-End 12-inch in Woodside Avenue to 16-inch with Connection

3 Conclusions and Recommendations

Model results indicate that any of the three alternatives tested in the molded are projected to supply the required 4,000 gpm fire flow over a four hour period under MDD conditions while satisfying the system evaluation criteria from the Master Plan.

The modeled available Development fire flow for the three alternatives is:

- Alternative 1: Connection to the 12-inch pipe in Woodside Avenue
    - Total Available Fire Flow: 4,100 gpm with 94 psi Residual Pressure at Connection
- Alter native 2: Connection to both the 8-inch and the 12-inch pipes in Woodside Avenue
    - Total Available Fire Flow: 6,600 gpm combined
        - 8-inch pipe connection: 2,500 gpm with 70 psi Residual Pressure
        - 12-inch pipe connection: 4,100 gpm with 74 psi Residual Pressure
- Alternative 3: Upsizing the 12-inch pipe in Woodside Avenue to 16-inch and connecting
    - Available Fire Flow: 4,100 gpm with 94 psi Residual Pressure at Connection

This page intentionally left blank

Appendix N
Fire Protection Plan

YOUNGHUSBAND CONSULTING, INC.
318 AVENUE I STE 466
REDONDO BEACH CA 90277
(310) 844-0825
www.ycicode.com

Preliminary Fire Protection Technical Report

Palisade Santee Commerce Center
10990 Woodside Ave., Santee, CA 92071

November 4, 2024
October 4, 2024
September 18, 2023
YCI Project ID 22128-00

Prepared for:

North Palisade Partners
1330 Factory Place, Suite 105
Los Angeles, CA 90013

Table of Contents

1 Project Introduction 1
1.1 Description of the Warehouse/Distribution Facility 1
1.2 Report Purpose and Objectives 1
2 Applicable Codes and Standards 1
3 Site Analysis 1
3.1 Location and Address 1
3.2 Description of the Surrounding Area 2
3.3 Access for Fire Department Services 2
4 Building Description 5
4.1 Building Occupancy 5
4.2 Building Height, Number of Stories and Building Area 5
4.3 Type of Construction 5
5 Fire Protection Systems 5
5.1 Fire Detection and Alarm System 5
5.2 Fire Suppression Systems 5
5.3 Standpipe System 7
5.4 Fire Department Connection(s) 7
5.5 Fire Pump Design 7
5.6 Smoke and Heat Removal 7
5.7 Fire Flow and Hydrant Locations 7
6 Life Safety Measures 8
6.1 Fire Department Access Doors 8
6.2 Maximum Common Path of Egress Travel Distance 8
6.3 Number of Exits and Exit Access Travel Distance 9
6.4 Minimum Aisle Widths 9
6.5 Emergency Means of Egress Illumination 9
6.6 Exit Signs 9
7 Hazards Analysis and Mitigation 9
8 Conclusion 11

1 Project Introduction

1.1 Description of the Warehouse/Distribution Facility

The project will be a new one-story plus mezzanine warehouse/distribution facility construction of Type IIIB construction, protected by an automatic sprinkler system throughout, and an automatic addressable fire alarm system. The building will not be used for hazardous materials storage. The building will contain primarily moderate-hazard storage uses (Group S-1) and accessory business/office uses (Group B).

1.2 Report Purpose and Objectives

The purpose of this comprehensive report is to conduct a thorough Building Code Analysis and Preliminary Fire Protection Assessment for the proposed development of a new one-story plus mezzanine concrete tilt-up warehouse/distribution facility situated at 10990 Woodside Ave., Santee, CA 92071. This report aims to document the facility's adherence to applicable building codes, regulations, and fire protection standards, ensuring its compliance with relevant safety requirements.

This report will provide stakeholders, including the project developer, design team, authorities having jurisdiction, and emergency responders, with a comprehensive overview of the facility's compliance status, facilitating informed decision-making throughout the project's development.

2 Applicable Codes and Standards

The following codes and standards referenced in this report are applicable to this project:

- 2022 California Building Code (CBC)
- 2022 California Fire Code (CFC)
- NFPA 10-2018 Standard for Portable Fire Extinguishers
- NFPA 13-2022 Standard for Installation of Sprinkler Systems as amended by the CBC and CFC
- NFPA 14-2019 Standard for the Installation of Standpipe and Hose System, as amended by the CBC and CFC
- NFPA 20-2019 Standard for the Installation of Stationary Pumps for Fire Protection
- NFPA 24-2019 Standard for Installation of Private Fire Service Mains and Their Appurtenances, as amended by the CBC and CFC
- NFPA 72-2022 National Fire Alarm and Signaling Code, as amended by the CBC and CFC

3 Site Analysis

3.1 Location and Address

The project will be located at 10990 Woodside Ave., Santee, CA 92071. The site was previously the home of the Santee Drive-in Theatre (Figure 1).

Figure 1 - Aerial View of Existing Santee Drive-in Theatre Site

3.2 Description of the Surrounding Area

The site is surrounded on the West, South and East sides by existing commercial businesses and pond/wetlands on the north side of the site. There is one vehicular access point to the site via a street connection from the southeast corner of the site to N. Woodside Avenue.

3.3 Access for Fire Department Services

Fire apparatus access to the site will be provided from N. Woodside Avenue via an improved driveway, 60-feet in width, which terminates at a cul-de-sac at the southeast corner of the site. From the cul-de-sac, a 40-feet wide fire apparatus roadway will extend along the east side of the building and continue approximately 1/3 the length of the north side of the building where it will transition to a minimum 30-feet wide fire apparatus roadway for the remainder of the north building perimeter, the west side of the building and approximately ½ the length of the south side of the building where it will transition back to a minimum 40-feet wide fire apparatus roadway to rejoin the cul-de-sac. The entire building perimeter will be surrounded by a fire apparatus roadway, with the closest edge of the fire apparatus roadway located not less than 15-feet and not more than 30-feet from the building exterior walls, except at the north and south loading courts which are exclusively designated for tractor trailer loading and unloading (Figure 2).

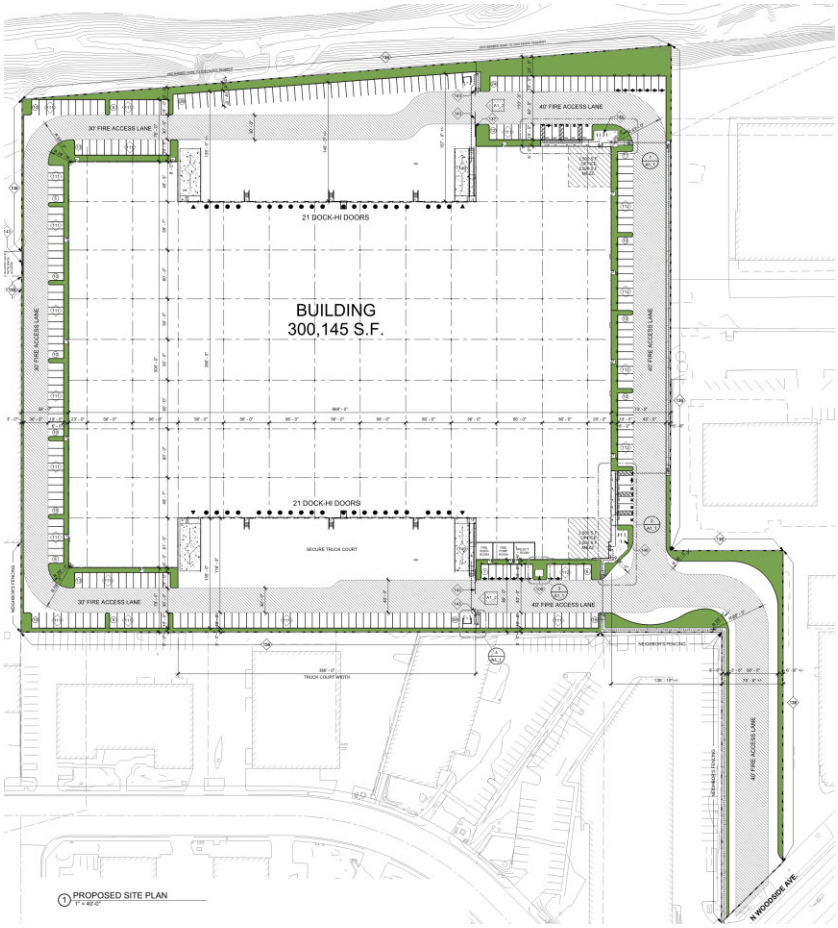


Figure 2 - Fire Apparatus Access Roadway

3.3.1 Single Fire Apparatus Access Roadway in Lieu of Two Separate Fire Apparatus Access Roadways

In accordance with CFC D104.2 buildings or facilities having a gross building area of more than 62,000 square feet shall be provided with two separate and approved fire apparatus access roads. Based on the existing site access constraints and infeasibility of obtaining a right-of-way easement through an adjoining property, providing two separated fire apparatus access roads is not feasible or practical for this project.

Through collaboration with the Santee Fire Department, the single fire apparatus access road to the project site will be mitigated by the following site and building design features:

- **Enhanced Fire Access Roads:** Fire apparatus access from Woodside Avenue is proposed to be via an approximately 60'-0" wide, two-way, privately maintained driveway that will enhance the reliability of fire access to the building. The drive width is made as wide as possible and terminates in a cul-de-sac. The driveway access points to the site from the cul-de-sac are 30'-40' wide, which are both wider than the 26' aerial access road minimum requirement. The driveway terminates in a cul-de-sac with a radius of 50' allowing ample maneuvering and turn-around for fire apparatus and emergency responder vehicles. The

fire access roadway that extends onsite would be provided on all sides of the building giving fire personnel full access to the structure. In addition, exit doors would be installed at 125' on center around the perimeter of the building.

- **Additional Fire Hydrants:** Eight (8) on-site private fire hydrants will be provided in lieu of a minimum of two (2) fire hydrants required by the CFC (refer to ***Section 5.7*** of this report).
- **Additional FDC:** An additional FDC will be installed on the opposite side of the building to provide additional firefighting capability and a redundancy for the first FDC at the main entrance to the building.
- **Two Fire Water Supply Connections:** The on-site looped fire main will be provided with two points of connection to the public water source.
- **Enhanced Fire Flow:** A minimum fire flow requirement of 4,000 gallons per minute at 20 psi for a 4-hour duration will be provide as calculated in accordance with the CFC and required by the City of Santee Fire Department (refer to ***Section 5.7*** of this report).
- **ESFR Fire Sprinklers:** An Early Suppression Fast Response (ESFR) fire sprinkler system will be installed in the building. The base code requirement is a fire sprinkler system meeting the requirements of NFPA 13. The ESFR system is a more robust fire sprinkler system that will enhance the fire and life safety of the building by extinguishing fires faster, allowing occupants more time to exit, and slowing fire and smoke spread in the building and further mitigating the lack of a second point of access.
- **Diesel Fire Pump:** We will voluntarily upgrade the fire pump from an electric pump relying on electricity from the grid to a diesel engine-based system. The diesel pump adds resiliency to the firefighting efforts by not relying on power from the grid, which may be compromised in an emergency.

3.3.2 Fire Access Gates

The site includes three vehicular access gates. Two gates are located on the east side of the Secure Truck (Loading) Courts, positioned on the north and south sides of the building. The third gate is in the west chain-link fence, which separates the project site from the adjacent property to the west.

Each vehicular access gate will be equipped with Knox Key Switches (#3500 series with dust covers) for gate override, ensuring swift access for emergency responders. These electronically locked gates are also designed with battery backup systems to ensure continuous operation in the event of a power outage. In addition, each gate includes a manual release device or other mechanical means to allow manual opening should there be a power failure.

To further enhance emergency access, strobe sensors will be installed on all electronically locked gates, allowing automatic gate opening upon the approach of emergency vehicles. These sensors meet the requirement for all electric gates serving commercial buildings. The strobe sensors' installation and functionality will be verified and approved by the Fire Code Official at the time of installation.

All Knox Box and Key Switch installations will comply with Santee Fire Department standards, with Knox Boxes required on exterior riser/fire alarm room doors and at all key locations specified by the Fire Department for building and site access. Key tags will be weather-resistant, and alert decals will be mounted on doors nearest to each Knox Box.

4 Building Description

4.1 Building Occupancy

The primary occupancy of this building will be moderate-hazard storage, Group S-1, and will contain accessory business, Group B uses.

4.2 Building Height, Number of Stories and Building Area

The building will have an interior minimum clear height of 36-feet and a maximum parapet height of less than 50-feet. The building will be one-story plus mezzanine, and 300,145 square feet in area.

4.3 Type of Construction

In accordance with CBC Section 507.4, the area of this Group B and S building no more than one story above grade plane is permitted to be of any construction type, and not be limited since the building will be provided with an automatic sprinkler system throughout in accordance with Section 903.3.1.1 and will be surrounded and adjoined by public ways or yards not less than 60 feet in width.

5 Fire Protection Systems

5.1 Fire Detection and Alarm System

CFC Table 3206.2 does not require a fire detection system for buildings containing high-piled storage areas of 12,001-500,000 square feet and containing Class I-IV commodities, or high-piled storage areas 2,501-300,000 square feet and containing high hazard commodities.

An approved audible device, located on the exterior of the building in an approved location, will be connected to the automatic sprinkler system. Such sprinkler waterflow alarm devices will be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Where a fire alarm system is installed, actuation of the automatic sprinkler system will actuate the building fire alarm system.

5.2 Fire Suppression Systems

5.2.1 Type of Fire Suppression Systems

Warehouse Areas: To provide more flexibility in warehouse operations, an early suppression fast response (EFSR) sprinkler system will be installed throughout the warehouse areas. ESFR were developed as an alternative to in-rack systems and can be used in warehouses with storage that do not exceed 40-feet in overall height, and with a ceiling height of less than 45 feet. The clear height of this warehouse will be 36 feet. The ESFR sprinkler system will be designed and installed in accordance with NFPA 13, 2022 Edition.

Office Areas: The office areas of the warehouse building will be protected by a conventional wet pipe sprinkler system designed and installed in accordance with NFPA 13, 2022 Edition.

5.2.2 Occupancy and Commodity Classification

Warehouse Areas: When it comes to occupancy classifications, the warehouse areas primarily used for storage are subject to specific requirements outlined in NFPA 13. These requirements depend largely on the type of commodities they house and how these commodities are stored.

Office Areas: In the context of sprinkler design for office areas within the warehouse, these spaces will be categorized as Light Hazard occupancy, following the guidelines set forth in NFPA 13.

5.2.3 ESFR Design Criteria

Storage Limitations:

- ESFR sprinklers are not permitted for the protection of storage on solid shelf racks unless these racks are equipped with in-rack sprinklers.
- ESFR sprinklers are not permitted for the protection of storage with open-top containers.

Hydraulic Design Criteria:

- All design areas should comprise the twelve most hydraulically demanding sprinklers, with four sprinklers on each of three branch lines, unless otherwise specified in NFPA 13, 2022 Edition.
- The ESFR sprinkler system safeguarding warehouse areas that store palletized, solid-piled, or rack storage of Class I through Class IV and Group A commodities will be designed following Table 23.3.1 of NFPA 13. This table outlines ESFR sprinkler ceiling-only options for protecting different types of stored commodities at maximum ceiling heights. For a warehouse with a 36-foot ceiling/roof height, ESFR sprinklers with a K-factor of K-25.2 and a minimum operating pressure of 60 psi will enable the storage of the following commodities:
  - Class I through IV and cartooned non-expanded Group A plastics.
  - Cartoned expanded Group A plastics.
  - Exposed non-expanded Group A plastics.
  - Exposed expanded Group A plastics.

5.2.4 Light Hazard Occupancy (Offices) Design Criteria

The water demand for sprinklers protecting Light Hazard areas within the warehouse, such as office spaces, shall be determined using a Occupancy Hazard Fire Control Approach of Light Hazard using the density/area method of 0.10 gpm/square feet over a minimum design area of 1,500 square feet. The minimum water supply and durations for this hydraulically calculated system must include a combined inside and outside hose stream of 100 gpm with a minimum duration of 30 minutes.

5.3 Standpipe System

The building will be provided with a Class I manual wet standpipe system. Class I standpipe hose connections will be provided such that all portions of the floor area of the warehouse are located not more than 200 feet from a Class I standpipe hose connection. The distances from a hose connection shall be measured along the path of travel.

5.4 Fire Department Connection(s)

Although this building requires a single fire department connection (FDC), to mitigate the fire apparatus points of access to the site, two (2) FDCs are proposed for the project. One FDC is proposed in the vicinity of the southeast corner of the building and the second FDC is proposed in the vicinity of the northeast corner of the building. Each FDC will be located within 50 feet of an on-site fire hydrant. Providing two remotely located FDCs will provide redundancy should an FDC become compromised by parked vehicles, damaged hose threads, debris in the intake piping, and other conditions such as falling debris from a fire above.

5.5 Fire Pump Design

A diesel fire pump will serve the automatic sprinkler system protecting this building. The fire pump for this project will be sized according to the computed flow rate necessary for the ESFR sprinkler system. This calculation takes into account factors such as density requirements, coverage area, and hazard classification.

5.6 Smoke and Heat Removal

In accordance with CFC Table 3206.2, footnote h, smoke and heat removal vents are not required in this building since the storage areas within the building will be protected by an ESFR sprinkler system.

5.7 Fire Flow and Hydrant Locations

Fire Flow Requirements: In accordance with CFC Section B105.2, The minimum fire-flow and flow duration for this building shall be as specified in Tables B105.2 and B105.1(2). In accordance with Table B105.1(1), the baseline fire flow for a 300,145 square feet Type IIIB building is 8,000 gpm for a minimum 4-hour duration.

In accordance with Table B105.2, since the building is protected by an NFPA 13 automatic sprinkler system, the fire flow has the potential for a substantial 75% reduction, which would bring the requirement down to 2,000 GPM.

Referring to Appendix B, Section B103.2, it is important to note that the fire code official possesses the authority to increase the fire-flow requisites, albeit not exceeding double the necessity for the specific building. In our case, this would translate to a requirement of 4000 GPM.

Additionally, it's essential to consider that the demand from the fire sprinkler system might negatively affect the availability of fire flow. Recent fire incidents in warehouses have demonstrated a propensity for significant fire flow demands, crucial for the control and extinguishing of fires.

Furthermore, it's worth mentioning that the lack of two separate access roads to the site is an additional factor to consider.

To summarize, the project's mandated fire flow stands at 4000 GPM, with a pressure requirement of 20 PSI for a duration of 4 hours.

Fire Hydrant Locations: Based on the City of Santee Fire Department requirements, the number and location of fire hydrants will be based on the baseline fire flow value of 4,000 gpm. In accordance with CFC Table C102.1, a building with a minimum fire flow requirement of 3,251-4,000 GPM requires a minimum of 4 fire hydrants, spaced an average of 350-feet, with a maximum distance from any point on a street or road frontage to a hydrant of 210-feet.

A minimum of eight (8) fire hydrants will be provided on-site in order to comply with these requirements.

6 Life Safety Measures

6.1 Fire Department Access Doors

The exterior walls of the warehouse buildings will be provided with fire department access doors. These fire department access doors will be able to be accessed without the use of a ladder.

Fire department access doors shall be labeled on the exterior side with the following sign or other approved sign:

FIRE DEPARTMENT ACCESS DOOR
DO NOT BLOCK

The lettering shall be in a contrasting color to the background. Letters shall have a minimum height of 2 inches with a minimum stroke of $^{3}/_{8}$ inch.

The required fire department access doors will be distributed such that the lineal distance between adjacent fire department access doors does not exceed 125 feet measured center to center.

Fire department access doors shall be not less than 3 feet in width and 6 feet 8 inches in height. Roll-up doors shall not be considered fire department access doors unless approved. Locking devices on fire department access doors shall be approved.

A Knox box will be installed at the main entry lobby to the building and will contain keys to allow for entry through the fire department access doors.

6.2 Maximum Common Path of Egress Travel Distance

The maximum common path of egress travel distance within the warehouse storage areas and business/office areas will be 100 feet.

6.3 Number of Exits and Exit Access Travel Distance

The occupant load of the building will be more than 1,000 occupants and will be provided with a minimum of 4 exits such that all portions of the floor area will be located within a minimum of 250 feet of at least one exit.

6.4 Minimum Aisle Widths

In accordance with CBC 1018.5, the minimum clear aisle width will be not less than that required for corridors. As such, the minimum aisle width within the warehouse storage areas will be 44-inches.

6.5 Emergency Means of Egress Illumination

In the event of power supply failure, an emergency electrical system will automatically illuminate the following areas:

- Aisles
- Corridors
- Exit access stairways and ramps
- Exterior landings for exit doorways that lead directly to the exit discharge
- Electrical equipment rooms.
- Fire pump room.
- Generator room (if provided).
- Public restrooms with an area greater than 300 square feet.

6.6 Exit Signs

Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel. The path of egress travel to exits and within exits shall be marked by readily visible exit signs to clearly indicate the direction of egress travel in cases where the exit or the path of egress travel is not immediately visible to the occupants. Intervening means of egress doors within exits shall be marked by exit signs. Exit sign placement shall be such that any point in an exit access corridor or exit passageway is within 100 feet (30 480 mm) or the listed viewing distance of the sign, whichever is less, from the nearest visible exit sign.

7 Hazards Analysis and Mitigation

Potential fire hazards in this warehouse/distribution building where hazardous materials are not anticipated to be used or stored have been assessed, and recommendations provided to mitigate these risks.

1. **Electrical Issues:**
   Risk: Faulty wiring, inadequate circuitry, or outdated electrical systems can lead to electrical fires.
   Mitigation: The building's electrical systems will be designed and installed by qualified professionals following current electrical codes. After the building is occupied, regularly inspect and maintain the electrical infrastructure. Implement ground fault circuit interrupters (GFCIs)

and arc-fault circuit interrupters (AFCIs) to prevent overloads and short circuits where required by code.

2. **Combustible Materials:**
   Risk: Flammable materials like cardboard, packaging, and pallets can accelerate fires.
   Mitigation: Storage areas will be designed with sufficient space between racks and stacks to minimize the risk of fire spreading. Consider using non-combustible pallets and shelving. A racking plan, if required by the user, will be submitted to the City of Santee and approved under a separate permit.

3. **Heating Equipment:**
   Risk: Malfunctioning or poorly maintained heating equipment can cause fires.
   Mitigation: Installed heating systems will comply with current safety standards. Implement regular maintenance and inspections for heating equipment. Use automatic shut-off devices that activate in case of overheating where required by code.

4. **Flammable Liquids:**
   Risk: Even if not anticipated, flammable liquids might be used for cleaning or maintenance.
   Mitigation: Store any potential flammable liquids in designated areas with proper ventilation and fire-resistant storage cabinets. Implement strict control over the presence and use of flammable liquids.

5. **Smoking and Open Flames:**
   Risk: Smoking or open flames could lead to accidental fires.
   Mitigation: Establish a strict no-smoking policy inside the building. If welding or open flames are necessary, create designated areas with proper ventilation and fire-resistant barriers.

6. **Lighting Equipment:**
   Risk: Overheating light fixtures could ignite nearby combustibles.
   Mitigation: Install LED or other energy-efficient lighting that generates less heat. Keep lighting fixtures clean and free from debris. Maintain adequate clearance between lighting and stored materials.

7. **Blocked Exits and Aisles:**
   Risk: Cluttered aisles and blocked exits impede evacuation.
   Mitigation: The layout and clear widths of access to exits aisles throughout the building will be designed in accordance with the applicable requirements of the CBC. After building occupancy, regularly inspect and enforce the clearing of aisles and exits.

8. **Inadequate Fire Suppression Systems:**
   Risk: Insufficient fire suppression systems can hinder fire control.
   Mitigation: An automatic fire sprinkler system will be provided throughout the building. Fire extinguishers and standpipe hose connections will be placed throughout the facility in accordance with the CBC and CFC. Ensure proper maintenance and regular testing.

9. **Faulty Machinery:**
   Risk: Industrial equipment can malfunction and cause fires.

Mitigation: Implement a rigorous maintenance schedule for all machinery. Regularly inspect equipment for signs of wear, overheating, or other potential fire triggers.

10. **Arson and Vandalism:**
    Risk: Unauthorized individuals may intentionally start fires.
    Mitigation: Implement robust security measures, including surveillance cameras, access control systems, and security personnel. Secure entrances and exits to prevent unauthorized entry.

11. **Lack of Fire Safety Training:**
    Risk: Untrained employees might not respond effectively during a fire.
    Mitigation: Provide comprehensive fire safety training to all employees. Conduct regular fire drills to ensure familiarity with evacuation procedures and assembly points.

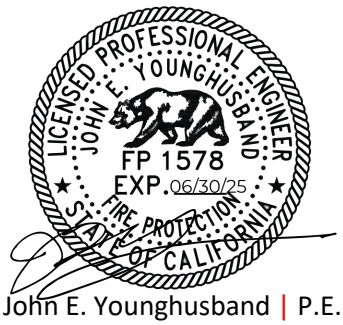
By addressing these fire risks through careful design, proper construction, and ongoing maintenance, you can significantly reduce the chances of fires in this warehouse/distribution building can be significantly reduced.

8 Conclusion

In conclusion, the design of this new warehouse and distribution facility prioritizes stringent code compliance by incorporating a comprehensive array of fire protection and life safety features. These features include an encircling fire apparatus roadway, secure Knox box access, dual fire department connections, reliable water supply arrangements, strategically placed fire department access points, ample on-site fire hydrants, an advanced ESFR sprinkler system, a diesel fire pump, a Class I manual wet standpipe system, well-placed exits with illumination and signage, readily accessible fire extinguishers, and the implementation of recommended fire hazard mitigation strategies. Together, these measures not only meet but exceed the necessary codes and standards, ensuring the utmost safety and protection for the building occupants, firefighters and assets within the facility.

Prepared By:

Younghusband Consulting, Inc.



John E. Younghusband | P.E.
President

Appendix O

AB 52 Letters and Receipts

Mayor
John W. Minto
City Council
Ronn Hall
Laura Koval
Rob McNelis
Dustin Trotter

September 15, 2023

Mr. Art Bunce
Tribal Attorney
Barona Band of Mission Indians
P.O. Box 2516
Escondido, CA 92033-2516

Subject: Palisade Santee Commerce Center (Conditional Use Permit CUP-2023-0001; Environmental Impact Report ENV-2023-0003; Development Review Permit DR-2023-0002) – AB52 Formal Notice (APN 381-070-52)

Dear Mr. Bunce:

This letter is in response to your request for formal notification of projects for which the City of Santee is the lead agency under California Public Resources Code section 21080.3.1, subdivision (b) of the California Environmental Quality Act. Pursuant to Public Resources Code section 21080.3.1, subdivision (d), the City of Santee Planning & Building Department (City) has received an application for the Palisade Santee Commerce Center Conditional Use Permit ("Project") located at 10990 N. Woodside Avenue (APN 381-070-52).

The 13.5-acre project site is currently developed with a two-screen, drive-in theatre and a building containing restrooms, concession facilities, and a projection house, which collectively are in the process of ceasing operations. The project consists of redevelopment of the project site as a commerce center with an approximately 300,145 square foot (gross area, inclusive of mezzanines and 10,000 sf of office space) one-story industrial building. The building would be up to 50 feet in height and would accommodate warehousing and distribution, manufacturing, assembly, and/or research and development operations, and related office uses. In addition to the industrial building, the project would include up to 42 dock-high doors, four grade-level doors, two truck courts, and up to 301 passenger-vehicle parking spaces, 30- and 40-foot-wide fire access lanes along the building perimeter, landscaping, and fencing along portions of the developed perimeter with automated gates at certain driveway locations. The project would also include associated utility, stormwater treatment, and roadway improvements. The project is consistent with the site's existing land use designation (IL-Light Industrial) and zoning (Light Industrial-IL).

As a condition of project approval, the applicant will have a Native American monitor(s) and an archaeological monitor present during the initial grubbing, site grading, excavation, or disturbance of the ground surface. Additional mitigation will be proposed if a situation arises in which resources are discovered.

In accordance with Public Resources Code section 21080.3.1, subdivisions (b) and (d), the Barona Band of Mission Indians has 30 days from receipt of this formal notification to request in writing consultation regarding the Project. Such request should be directed to:

Michael Coyne, Principal Planner
City of Santee Planning & Building Department
10601 Magnolia Avenue
Santee, CA 92071
Phone: (619) 258-4100, Extension 160
Email: mcoyne@cityofsanteeca.gov

If you have any comments or questions, please contact me at the email address above.

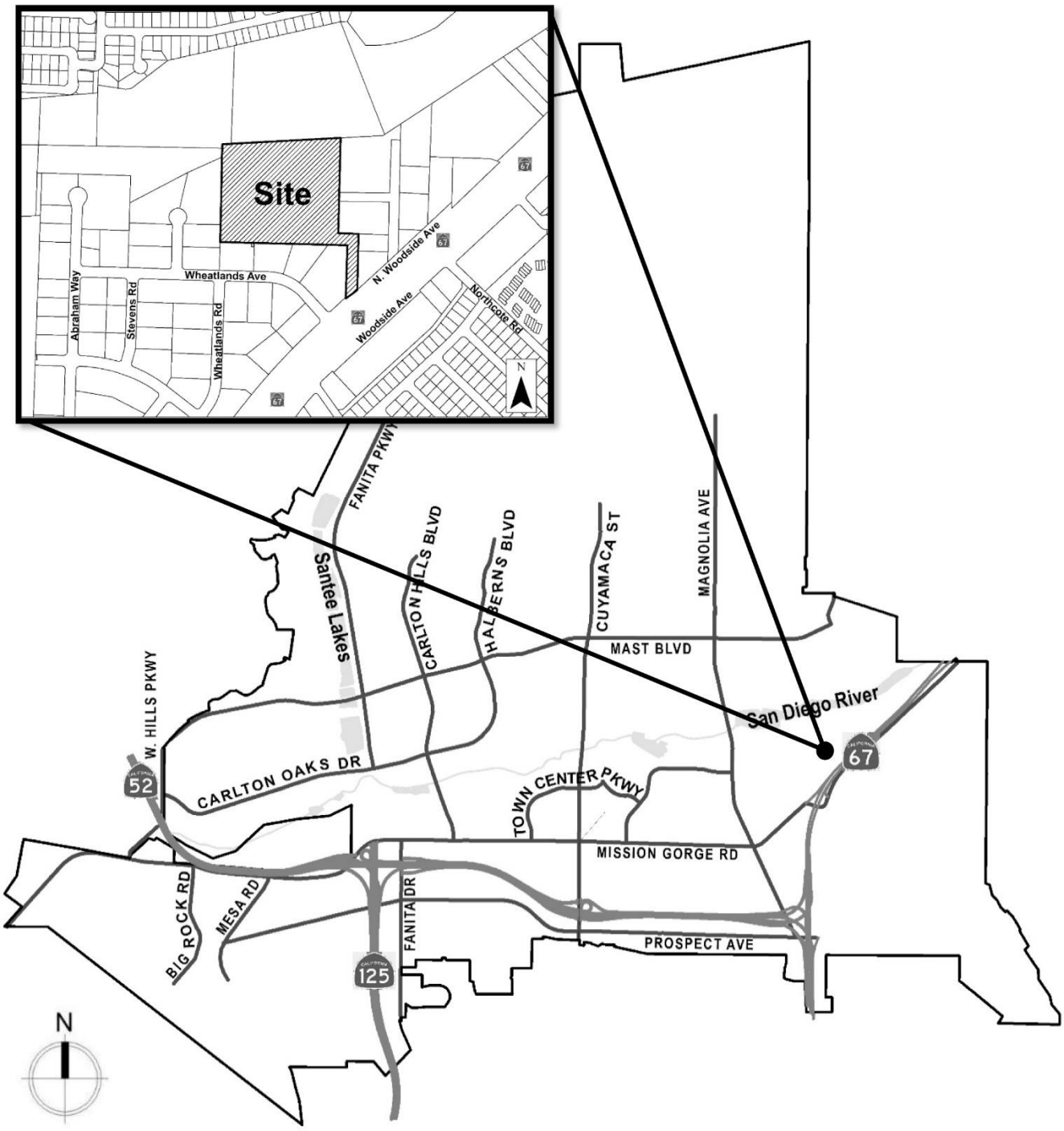
Respectfully,

Michael Coyne
Principal Planner

Attachments:
Site Location Map

cc. File

Site Location Map



Mayor
John W. Minto
City Council
Ronn Hall
Laura Koval
Rob McNelis
Dustin Trotter

September 15, 2023

Ms. Lisa Cumper
Secretary/Treasurer
Jamul Indian Village
14191 Highway 94
Jamul, CA 91935

Subject: Palisade Santee Commerce Center (Conditional Use Permit CUP-2023-0001; Environmental Impact Report ENV-2023-0003; Development Review Permit DR-2023-0002) – AB52 Formal Notice (APN 381-070-52)

Dear Ms. Cumper:

This letter is in response to your request for formal notification of projects for which the City of Santee is the lead agency under California Public Resources Code section 21080.3.1, subdivision (b) of the California Environmental Quality Act. Pursuant to Public Resources Code section 21080.3.1, subdivision (d), the City of Santee Planning & Building Department (City) has received an application for the Palisade Santee Commerce Center Conditional Use Permit ("Project") located at 10990 N. Woodside Avenue (APN 381-070-52).

The 13.5-acre project site is currently developed with a two-screen, drive-in theatre and a building containing restrooms, concession facilities, and a projection house, which collectively are in the process of ceasing operations. The project consists of redevelopment of the project site as a commerce center with an approximately 300,145 square foot (gross area, inclusive of mezzanines and 10,000 sf of office space) one-story industrial building. The building would be up to 50 feet in height and would accommodate warehousing and distribution, manufacturing, assembly, and/or research and development operations, and related office uses. In addition to the industrial building, the project would include up to 42 dock-high doors, four grade-level doors, two truck courts, and up to 301 passenger-vehicle parking spaces, 30- and 40-foot-wide fire access lanes along the building perimeter, landscaping, and fencing along portions of the developed perimeter with automated gates at certain driveway locations. The project would also include associated utility, stormwater treatment, and roadway improvements. The project is consistent with the site's existing land use designation (IL-Light Industrial) and zoning (Light Industrial-IL).

As a condition of project approval, the applicant will have a Native American monitor(s) and an archaeological monitor present during the initial grubbing, site grading, excavation, or disturbance of the ground surface. Additional mitigation will be proposed if a situation arises in which resources are discovered.

In accordance with Public Resources Code section 21080.3.1, subdivisions (b) and (d), the Jamul Indian Village has 30 days from receipt of this formal notification to request in writing consultation regarding the Project. Such request should be directed to:

Michael Coyne, Principal Planner
City of Santee Planning & Building Department
10601 Magnolia Avenue
Santee, CA 92071
Phone: (619) 258-4100, Extension 160
Email: mcoyne@cityofsanteeca.gov

If you have any comments or questions, please contact me at the email address above.

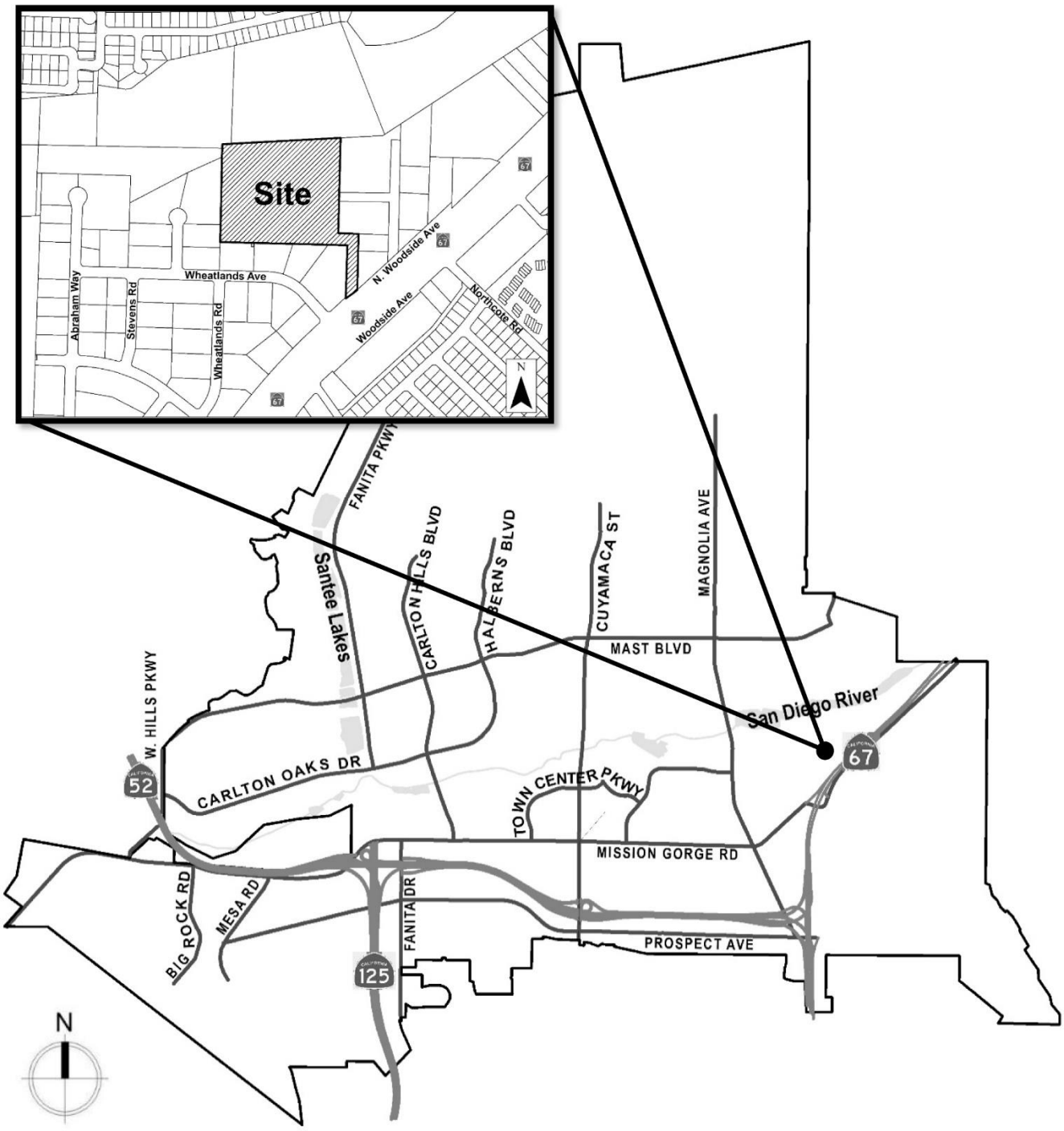
Respectfully,

Michael Coyne
Principal Planner

Attachment:
Site Location Map

cc. File

Site Location Map



Mayor
John W. Minto
City Council
Ronn Hall
Laura Koval
Rob McNelis
Dustin Trotter

September 15, 2023

Ms. Theresa Hernandez
Mesa Grande Band of Mission Indians
PMB 366
35008 Pala Temecula Road
Pala, CA 92059

Subject: **Palisade Santee Commerce Center (Conditional Use Permit CUP-2023-0001; Environmental Impact Report ENV-2023-0003; Development Review Permit DR-2023-0002) – AB52 Formal Notice (APN 381-070-52)**

Dear Ms. Hernandez:

This letter is in response to your request for formal notification of projects for which the City of Santee is the lead agency under California Public Resources Code section 21080.3.1, subdivision (b) of the California Environmental Quality Act. Pursuant to Public Resources Code section 21080.3.1, subdivision (d), the City of Santee Planning & Building Department (City) has received an application for the Palisade Santee Commerce Center Conditional Use Permit ("Project") located at 10990 N. Woodside Avenue (APN 381-070-52).

The 13.5-acre project site is currently developed with a two-screen, drive-in theatre and a building containing restrooms, concession facilities, and a projection house, which collectively are in the process of ceasing operations. The project consists of redevelopment of the project site as a commerce center with an approximately 300,145 square foot (gross area, inclusive of mezzanines and 10,000 sf of office space) one-story industrial building. The building would be up to 50 feet in height and would accommodate warehousing and distribution, manufacturing, assembly, and/or research and development operations, and related office uses. In addition to the industrial building, the project would include up to 42 dock-high doors, four grade-level doors, two truck courts, and up to 301 passenger-vehicle parking spaces, 30- and 40-foot-wide fire access lanes along the building perimeter, landscaping, and fencing along portions of the developed perimeter with automated gates at certain driveway locations. The project would also include associated utility, stormwater treatment, and roadway improvements. The project is consistent with the site's existing land use designation (IL-Light Industrial) and zoning (Light Industrial-IL).

As a condition of project approval, the applicant will have a Native American monitor(s) and an archaeological monitor present during the initial grubbing, site grading, excavation, or disturbance of the ground surface. Additional mitigation will be proposed if a situation arises in which resources are discovered.

In accordance with Public Resources Code section 21080.3.1, subdivisions (b) and (d), the Mesa Grande Band of Mission Indians has 30 days from receipt of this formal notification to request in writing consultation regarding the Project. Such request should be directed to:

Michael Coyne
City of Santee
10601 Magnolia Avenue
Santee, CA 92071
Phone: (619) 258-4100, Extension 160
Email: mcoyne@cityofsanteeca.gov

If you have any comments or questions, please contact me at the email address above.

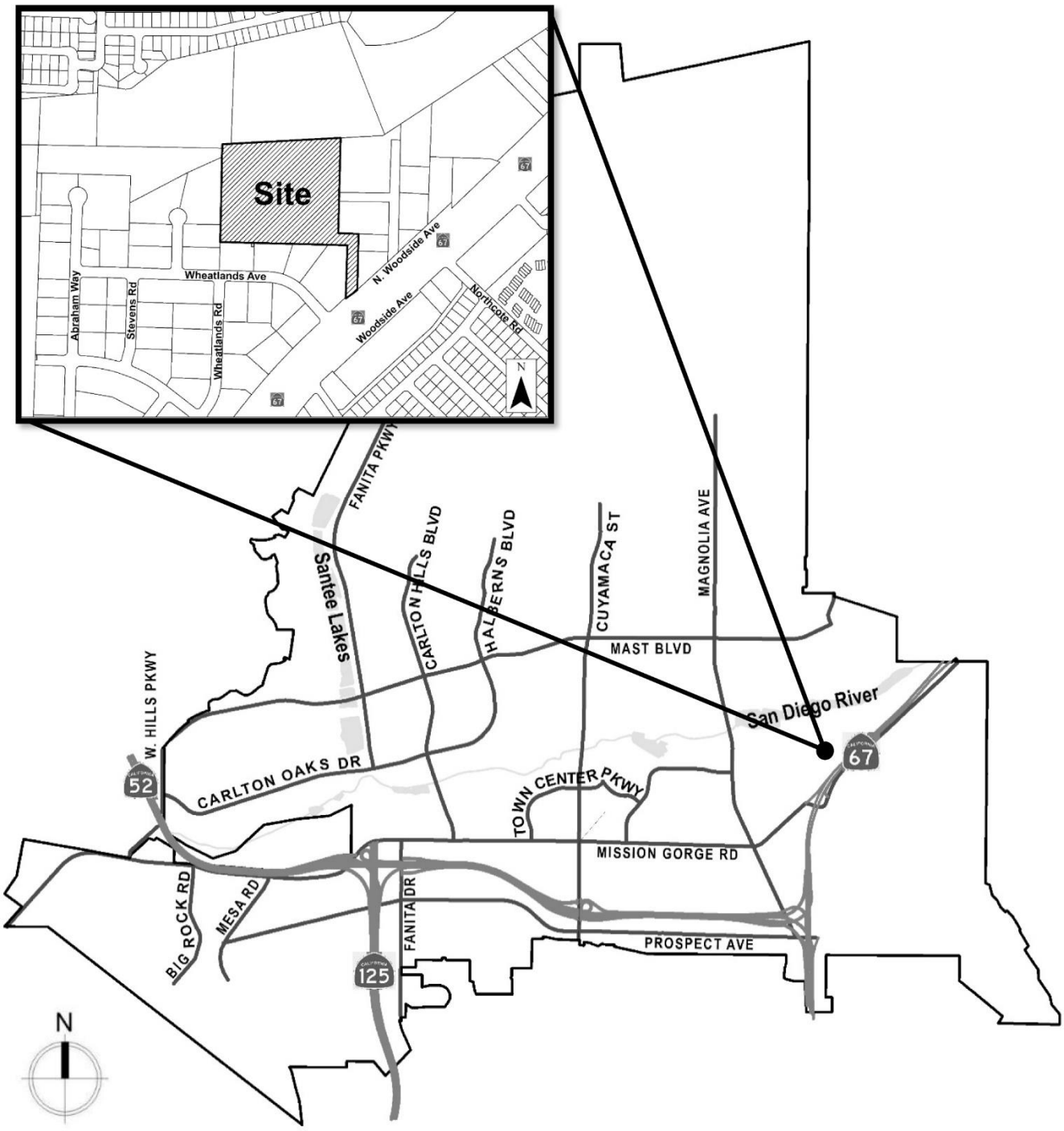
Respectfully,

Michael Coyne
Principal Planner

Attachments:
Site Location Map

cc. File

Site Location Map



9589 0710 5270 0842 0134 32

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
$

Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$
Total Po
$
Sent To
Street ar
City, Sta

Postmark Here

Ms. Lisa Cumper
Secretary/Treasurer
Jamul Indian Village
14191 Highway 94
Jamul, CA 91935

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 0842 0134 49

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
$

Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$
Total P
$
Sent To
Street
City, St

Postmark Here

Ms. Theresa Hernandez
Mesa Grande Band of Mission Indians
PMB 366
35008 Pala Temecula Road
Pala, CA 92059

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 0842 0134 25

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
$

Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$
Total Po
$
Sent To
Street ar
City, Sta

Postmark Here

Mr. Art Bunce
Tribal Attorney
Barona Band of Mission Indians
P.O. Box 2516
Escondido, CA 92033-2516

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions